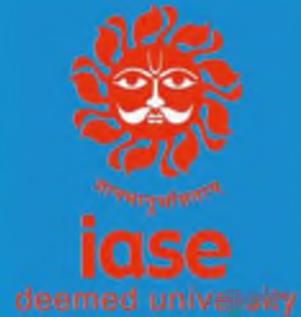


GLOBAL HARMONY ASSOCIATION (GHA)
IASE DEEMED UNIVERSITY,
GANDHI VIDYA MANDIR, INDIA
GLOBAL PEACE FOUNDATION, INDIA
HARMONIOUS CIVILIZATION SPIRITUAL CULTURE

Gandhi: *Truth is one, paths are many.*

GHA: *Peace & Truth is one. Peace is Truth & Truth is Peace*

GPS essence: *Peace truth is one – SPHERONS' Harmony, paths are many to it via four spheres.*



Global Peace Science or Peaceloveology, Peacescience:

First Common Good and Human Right,
Revolution of Social Sciences,
Creating Peace from SPHERONS' Harmony
and Nonviolent Victory of Peace over War in XXI century

World textbook for schools, colleges, universities and academies
GHA 48th Project; Start on March 12, 2013

by

Dr. Leo Semashko,

GHA President, Project Manager, Editor in Chief
and 173 coauthors from 34 countries

*Dedicated to the GHA 10th anniversary, February 15, 2005,
70th anniversary of victory over fascism, May 9, 1945,
80th anniversary of signing of the Roerich Pact, April 15, 1935,
UN International Day of Peace, September 21,
UN Interfaith Harmony Week on February 1–7,
UN International Day of Yoga, June 21*

New Delhi
2017

Global Peace Science Great Coauthors and Contributors

Presented on the GHA website personally: <http://peacefromharmony.org>

Andrey Semashko
Russia



Global Peace
Maecenas;
\$3500

Apostolos Paschos
Greece



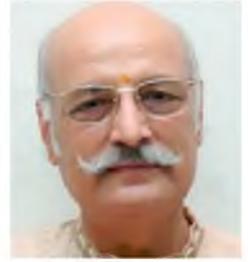
Global Peace
Maecenas;
€3000

John Avery
Denmark



Nobel Peace Prize
Laureate; World
Harmony Creator

Kanak Dugar
India



IASE University
Chancellor; W. Harmony
Creator; \$2000

Subhash Chandra
India



GHA President

Rudolf Siebert
USA



W. Harmony Creator

Susana Roberts
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GHA Vice-President

Surendra Pathak
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GHA V-President

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Ghana



GHA-Africa President

Ernesto Kahan
Israel



W. Harmony Creator

Bernard Scott
England



Honorary member

Takis Ioannides
Greece



GHA VP

Timi Ecmovic
Slovenia



Peace Ambassador

Reimon Bachika
Japan



Honorary member

Georg Krasnov
USA/Russia



Peace Ambassador

Ammar Banni
Algeria



Honorary member

Guy Crequie
France



GHA VP

Michael Ellis
Australia



Peace Ambassador

Insert-1

Global Peace Science Agenda 2017 for the G20, UN, UNESCO and EU TO: Leaders of the UN member states

GHA 56th project. Approved on June 5, 2017
Publication. In English: http://peacefromharmony.org/?cat=en_c&key=757
+8 languages: Spanish, French, Portuguese, Arabic, Greek, Russian, Esperanto, Urdu
Appeals to the G20-2017 leaders are here: http://peacefromharmony.org/?cat=en_c&key=762

"The internal harmony of the world is the only true objective reality."

Poincare

"Harmony should become the key value of global humankind, the main subject of science and public consciousness in the 21st century in order to survive and prosper in planetary peace".

GHA

Dear Ladies and Gentlemen!

The UNESCO Constitution says: *"That since wars begin in the minds of men, it is in the minds of men that the defences of peace must be constructed; ... that the peace must therefore be founded, if it is not to fail, upon the intellectual and moral solidarity of mankind."* Unfortunately, the scientific theoretical *defences of global peace* were not *constructed or founded in the minds of men* until now, while military science has been developing rapidly for more than two centuries. Therefore, in reality, the opposite happens: defense of war instead of peace defence. The nations plan the architecture of various wars and aggressions; constantly increase military budgets and armaments, limiting their discussions only to issues of war and security from it, practically removing the questions of peace for the brackets of their meetings and summits. The best way *"to construct peace defences"* *"upon the intellectual and moral solidarity"* is global peace science acceptable and compulsory for all nations.

For this purpose, we are pleased to propose for your consideration the unprecedented peace initiative of the development of *Global Peace Science* (GPS), the first version of which was created during 11 years by the GHA 174 coauthors from 34 countries, including the President of India Dr. Abdul Kalam, three Nobel Peace Laureates and dozens of outstanding scientists and peacemakers: <http://peacefromharmony.org/docs/global-peace-science-2016.pdf>

We realise that the initial version of GPS is far from perfection and requires its further improvement at the state level of each country and within the framework of the UN, designed to provide global peace with the most effective means, the first of which is PEACE SCIENCE. Only it is able to *construct the defences of peace* by the best way.

In this connection, we invite every leader of the UN member states to show your social responsibility for peace by your unique initiation of the *Global Peace Agenda* at the UN that will raise your peacemaking prestige highly. We invite you to include in the Agenda and put to the vote of the UN General Assembly in autumn 2017 the following 12 initiative proposals of this Agenda, or some of them at your discretion:

1. The necessity to develop *Global Peace Science* (GPS) based on the idea of world harmony, which includes all human values and is intuitively shared by all civilizations in the history.
2. Holding the International Scientific Contest for the best version of GPS under the auspices of the United Nations.
3. Establishment of a Special Committee in the UN: *"Global Peace Science against International Terrorism"* as a tool for reconciliation of religions, antiterrorist immunity and overcoming the fundamentalist ideology of terrorism.
4. Establishment of the *"Global Peace Academy"* under the UN for research and education in the field of global peace and its branches in the world's largest and nuclear-armed nations.
5. Establishment of the *"UN Week of Global Peace Science from Harmony"* on January 24 to 31 or January 17 to 24 (following the example of the *"UN Interfaith Harmony Week"* on February 1 to 7, initiated by the King of Jordan at the UN General Assembly Session in 2010).
6. The reissue of the book *"Global Peace Science"*, possibly by 2018 under the auspices of the UN and with the participation of world political leaders, primarily from nuclear powers.

7. Conduct international statistical research into dynamics of a deep societal structure of spherical classes within the population in each country and worldwide since 1950 to 2015.
8. Establish a permanent UN Project "*Monitoring of War and Peace in the World Public Consciousness and the Media*".
9. Establishing a "*Peace Department*" in the governmental structures of the nuclear countries.
10. Work out the UN Model of global governance by general and complete disarmament, with the priority of nuclear disarmament within 10 years based on the GPS.
11. Explore the Global Peace Thermodynamics as the UN Model of global governance for environmental, climate and other world challenges and risks of the 21st century.
12. Consider developing "*Global Peace Earth Constitution*" based on the GPS.

All proposed initiatives are presented in a first approximation in the relevant articles in the GPS book or in the subsequent ones developing them.

The world leaders should be encouraged to plan similar initiatives at all summits of G20, G7 as well as in UNESCO and the EU, the European Parliament and its structures. These initiatives will offset the dangerous deficit of peace and harmony in all intern. institutions.

Similar peacemaking initiatives should prompt a highest level and example of social responsibility of the world leaders and international institutions for the fate of global peace and preservation of life on the Earth from global military and man-made threats.

The Global Harmony Association and its associated international peacemaking organizations will be happy to provide each of you with considerable intellectual potential that we have accumulated over many years of developing the original version of GPS.

Yours sincerely, Global Harmony Association (GHA) leaders:

Dr. Subhash Chandra, GHA President, India schandra101@gmail.com,

Mr. Ramesh Kumar, GHA Executive Director, India ngocosro@gmail.com,

Dr. Leo Semashko, GHA Founder and Honorary President, Russia leo.semashko@gmail.com,

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Prof. Dr. Dr. h c Timi Ecimovic, Slovenia, independent Nature, Environment and Climate Change System researcher, timi.ecimovic@bocosoft.com and www.institut-climatechange.si,

Dr. Julia Budnikova, GHA-Russia President, Russia

Dr. Ayo Ayoola-Amale, GHA-Africa President, Ghana

Dr. Uraz Baimuratov, GHA-Kazakhstan President, Kazakhstan

Ms. Delasnive Daspert, GHA Vice-President, Brazil

Dr. Takis Ioannides, GHA Vice-President, Greece

Dr. Ernesto Kahan, GHA Vice-President, Israel

Dr. Guy Crequie, GHA Vice-President, France

Dr. Susana Roberts, GHA Vice-President, Argentina

Nobel Prize Laureates support:

John S. Avery, Denmark, Nobel Peace Prize, 1995, shared (http://peacefromharmony.org/?cat=en_c&key=672)

Mairead Maguire, North Ireland, Nobel Peace Prize, 1976 (http://peacefromharmony.org/?cat=en_c&key=678)

Frank Wilczek, USA, Nobel Prize in Physics, 2004, shared

Other peacemakers support:

Dr. Vladislav Krasnov, USA/Russia

Dr. Edward Lozansky, USA/Russia

Prof. Rudolf Siebert, USA

Dr. Laj Utrega, USA

Dr. Roger Kotila, USA

Dr. Sanjay Tewari, India

Ms. Sanjana Tewari, India

Dr. Francois Houtart, Belgium

Prof. Reimon Bachika, Japan

Mr. Heli Habyarimana, Rwanda

Dr. Noor Larik, Pakistan

Prof. Bernard Scott, United Kingdom

Dr. Waheed Ahmad, Pakistan

Dr. W. Julian Korab-Karpowicz, Poland

Mr. Light Wilson Aganwa, South Sudan

Dr. Michael Ellis, Australia

And others, the list is open

Insert-2

G20-2017. Global Peace Agenda Appeal for Russia and USA jointly

Dear Mr. Vladimir Putin, President of Russian Federation

Cc: **Mr. Donald Trump**, President of the United States

We would like to ask every from you to initiate jointly at the G20 summit, or at the UN Session, the "*Global Peace Science Agenda*", which was developed, made public and proposed in eight languages to the leaders of 193 UN member states by the peacemaking organizations and Nobel Prize Laureates. It can be found at: http://peacefromharmony.org/?cat=en_c&key=757.

Your initiative with global peace science would make your country a leader in the 21st Century of a scientific peacemaking revolution, or better still pro-evolution, which will "*shift the arms race into a peace race*" (M. King) through the peace science and will give your country a priority in the unique digital technologies that ensure sustainable economic growth.

Do you want this? Would you like to do this? Would you, as one of the world leaders, willing to take seriously your social and moral responsibility for global peace, and thus for the destiny of humankind and our planet?

Your initiative will be the start of a new international discourse/dialogue on a scientific as well as humanistic vision of global peace. It will help to overcome the obvious deficit in global peace research in contrast to the global military research, which appears to be suicidal for humankind and our planet, in the face of the possibility of a second cold war bordering with a thermonuclear war.

Your initiative would indeed be a historic event to rescue humanity and the planet from the deadly militaristic threat. Your initiative would remain in the memory of a grateful humanity forever.

It would be a great, unprecedented initiative of peace through science and humanism. It would certainly be necessary for the people of your country and all humanity. We think that this proposal is acceptable to you.

Since you are a peacemaker, not militarist, therefore you shall recognize that this peace initiative is necessary, particularly in the present global crisis. Or do you think it is untimely and ready to give away the palm of its primacy to another country?

If you want to learn more about *Global Peace Science* (GPS) and its Agenda for dialogue, please write to these three addresses:

Prof. John Avery, Nobel Peace Laureate: avery.john.s@gmail.com

Mrs. Mairead Maguire, Nobel Peace Laureate: mairread@peacepeople.com

Dr. Leo Semashko, GHA founder and the GPS first version editor by 174 co-authors from 34 countries: leo.semashko@gmail.com

You could read the GPS first version book here:

<http://peacefromharmony.org/docs/global-peace-science-2016.pdf>

Please, make this great peace deal jointly for the benefit of our great peoples and survival of humankind and the planet! **Global peace is the right to life of everyone**, including you. Do not kill it with your disagreements - it is immeasurably higher than they.

Yours sincerely,

Dr. Leo Semashko and the GHA peacemakers and world citizens, on July 4, 2017

http://peacefromharmony.org/?cat=en_c&key=762

http://peacefromharmony.org/?cat=en_c&key=253

G20-2017 leaders and GHA senders to them the Global Peace Agenda Appeals

Country	Leader's name and post	Website/s, Email/s	GHA Senders
Argentina	Mauricio Macri, President	http://www.casarosada.gov.ar/	Susana Roberts Leo Semashko
Australia	Malcolm Turnbull, Prime Minister	https://malcolmturnbull.com.au/contact	Vladislav Krasnov Michael Ellis, etc.
Brazil	Michel Temer, President	http://micheltemer.com.br/ gabineteagenda@presidencia.gov.br	Delasnieve Daspert Vladislav Krasnov
Canada	Justin Trudeau, Prime Minister	https://pm.gc.ca/	Leo Semashko Vladislav Krasnov
China	Xi Jinping, President	http://www.gov.cn/ http://english.gov.cn/	John Avery Bernard Scott, etc.
France	Emmanuel Macron, President	https://en-marche.fr/emmanuel-macron	Guy Crequie Rudolf Siebert, etc.
Germany	Angela Merkel, Chancellor	https://www.bundeskanzlerin.de/Webs/BKIn/ EN/Service/Contact/kontaktform_node.html https://www.edu.de/kontakt-merkel	Leo Semashko Rudolf Siebert, etc.
India	Narendra Modi, Prime Minister	http://www.narendramodi.in/ narendramodi1234@gmail.com	Subhash Chandra Sanjay Tewari
Indonesia	Joko Widodo, President	http://jokowi.co.id/ http://presidenri.go.id/	John Avery Bernard Scott, etc.
Italy	Paolo Gentiloni, Prime Minister	http://www.paolgentiloni.it/	John Avery Bernard Scott, etc.
Japan	Shinzō Abe, Prime Minister	http://www.s-abe.or.jp/ http://japan.kantei.go.jp/	Leo Semashko Vladislav Krasnov
Mexico	Enrique Peña Nieto, President	http://www.enriquepenanieto.com/ http://www.gob.mx/presidencia/	John Avery Bernard Scott, etc.
Russia	Vladimir Putin, President	http://en.kremlin.ru/contacts http://en.letters.kremlin.ru/	Leo Semashko Vladislav Krasnov
Saudi Arabia	Salman, King	http://houseofsaud.com/ https://www.saudi.gov.sa/wps/portal/espp	Leo Semashko Vladislav Krasnov
South Africa	Jacob Zuma, President	http://www.gov.za/ president@po.gov.za,	Ayo Ayoola-Amale Leo Semashko, etc.
Republic of Korea	Moon Jae-in, President	http://www.korea.net/index.jsp http://moonjaein.com/	Leo Semashko Takis Ioannides, etc.
Turkey	Recep Tayyip Erdoğan, President	http://www.tayyip Erdogan.com/ https://www.tccb.gov.tr/en/communication/	Subhash Chandra Vladislav Krasnov
United Kingdom	Theresa May, Prime Minister	http://www.tmay.co.uk/contact	John Avery Bernard Scott, etc.
United States	Donald Trump, President	Email: http://www.whitehouse.gov/contact https://mobile.twitter.com/POTUS	Roger Kotila Rudolf Siebert, etc.
European Union	Donald Tusk, President, European Council. Jean-Claude Juncker, President, European Commission	https://www.consilium.europa.eu/en/con tact/general-enquiries/send-message/ Jean-Claude Juncker: <a href="https://ec.europa.eu/commission/commi
ssioners/2014-2019/president_en">https://ec.europa.eu/commission/commi ssioners/2014-2019/president_en	Bernard Scott Subhash Chandra Rudolf Siebert Takis Ioannides, etc.

The GHA invites responsible peacemakers and world citizens of all countries to send similar appeals to the global peace agenda to as many of the leaders of the UN member states as possible. Only in this way, the world civil society can induce them to a new peace dialogue in order to *"shift the arms race into a peace race"* (M. King) **that ensures the right to life for everyone and saves humankind and the planet.**

More than 117 different peace appeals/messages to the G20-2017 leaders and other countries from the GHA 18 senders were published here: http://peacefromharmony.org/?cat=en_c&key=762



**HARMONIOUS CIVILIZATION
PEACE FROM SPHERONS' HARMONY**

Albert Einstein, Nobel Prize in Physics:

1. Peace cannot be achieved through violence, it can only be attained through understanding [SCIENCE]. [BUT]
2. The significant problems we face cannot be solved at the same level of thinking we were at when we created them. [THEREFORE]
3. We shall require a substantially new manner of thinking if mankind is to survive. [NEW THINKING IS GLOBAL PEACE SCIENCE, GPS. IT PROVIDES]
4. Mankind's desire for peace [WHICH] can be realized only by the creation of a world government.

Global Harmony Association:

1. World government maybe only Global Peace Government of global SPHERONS instead global corporations.
2. Global Peace Government can arise and work only on the GPS basis as SPHERONS' nonviolent ideology and scientific worldview.
3. Hence, if mankind is to survive, it must require from the national governments to recognize, to develop and to put in practice the SPHERONS' GPS as a substantially new manner of social thinking to create world government, to constitute global peace and "*shift the arms race into a peace race*" (Martin Luther King Jr.)

Vladimir Putin, President of Russia:

1. The right choice... is the choice in favour of peace. [FOR WHICH]
2. We need is an essentially different approach [ENSURING] harmonization... harmony. [THIS ESSENTIALLY DIFFERENT APPROACH IS GPS]
3. Russia's strength lies in...the harmony of cultures, languages and...all faiths
4. "*Washington is the Enemy of all Humanity*" and "*Putin saves the world from nuclear war by not being provocative.*" Paul C. Roberts

What will say other national leaders?

John Scales Avery. Nobel Peace Prize:

We need system change, not climate change! We need a new economic system, a new society, a new social contract, a new way of life. Here are the great tasks that history has given to our generation: We must achieve a steady-state economic system. We must restore democracy. We must decrease economic inequality. We must break the power of corporate greed. We must leave fossil fuels in the ground. We must stabilize and ultimately reduce the global population. **We must eliminate the institution of war.** And finally, we must develop a more mature ethical system to match our new technology.

World Intellectuals Endorse the Importance of Global Peace Science:



Sixty years ago, Bertrand Russell and Albert Einstein issued a grim warning to the people of the world. They wrote that we face a choice that is “stark and dreadful and inescapable: Shall we put an end to the human race; or shall mankind renounce war?” Looking over the record of these years, it is a miracle that we have survived, and the threats are very real today. A Global Peace Science devoted to “renouncing war” can make a critical contribution to removing at last this sword of Damocles poised over our heads.

Noam Chomsky, Prof. (r), Dept. of Linguistics and Philosophy, MIT, Cambridge, USA, World Harmony Creator

The United States and the United Kingdom committed genocide against the Iraqi people when, between 1990 and 2012, they killed 3.3 million people – including 750,000 children – through sanctions and wars... I believe NATO should be abolished and that steps be taken towards disarmament through non-violent action and civil resistance. The means of resistance are very important. Our message that armed groups, militarism and war do not solve our problems but aggravate them challenges us to use new ways and that is why we need to teach the science of peace at every level of society.

Mairead Maguire, Nobel Peace Laureate, Ireland



The West is now preparing a Crusade II against Islam; as individuals and as a state; better a Crusade against the Western addiction to war, state terrorism and militarism. For this we need more truly global peace science and research than ever, developing theory and concepts like harmony, testing them in concrete practice to solve underlying conflicts.

Johan Galtung, Dr., HC, Mult, Prof. of Peace Studies; Founder, Transcend: www.transcend.org, World Harmony Creator

The plague of global militarism and terrorism is hellish grave and horrendous chaos from war. Humanity should slip out of it by the strides of Global Peace Science from harmony to a new Renaissance. This Science fearlessly calls for international as well as personal disarmament to survive and get rid of the nightmare of dreadful abysmal crisis when its irrepressible powers push us toward turmoil. Peace Science is light at the end of lethal tunnel of armed violence.

Ayo Ayoola-Amale, Teacher, Muse of Poetic Harmony, GHA–Africa President, Ghana



Three interconnected Great Revolutions of humanity are: Globalization, Informatization and **Peacescientization**: Global Peace Science (GPS) as revolutionary shift to Indian Vedic tradition: World is One Family on way of building bridges of global Peace. GPS inspires transition from dying culture of militant materialism (anger, greed & violence) fomenting nuclear wars to culture of Peace from Harmony and Love. Military science divides the humanity and **Peacescience** unites it in peace and harmony of “One World - one Family.” Therefore GPS is Victory of Peace over War, vaccine and immunity from the plague of global militarism and terrorism and alternative to nuclear war saving the Earth planet & Humanity.

Dr., Prof. Subhash Chandra, GHA Secretary General, India

Humanity lives at a moment when in many countries politics has become an extension of war. The violence, especially in Europe and the United States has become normalized. The relentless mobilization of fear and insecurity by governments mark a failure of collective conscience, flirtations with irrationality, and the triumph of extremism. State terrorism is on the rise and the plague of authoritarianism has cast an ominous shadow over the liberal democracies. A Global Peace Science devoted to creating the formative cultures, institutions, and movements elevating peace over war, justice over injustice, and democracy over militarism is crucial for “renouncing war.”

Henry A. Giroux, McMaster University Chair Professor of Scholarship in the Public Interest, Faculty of Humanities, Hamilton, Canada





It is gratifying and symbolic that Global Peace Science includes in life under the Peace Banner proposed 80 years ago by Nicholas Roerich, expressing continuity of the peace source in culture, an integral part of which is science. Global Harmony Association has already demonstrated its previous publications (among them the main thing is *The ABC of Harmony*) that it aspires to unite people on the basis of scientific worldview with full respect to different religions and cultural diversity. Global Peace Science is the Earth people new step to make conscious choice of peace today in the exacerbating struggle between light and darkness.

Yulia Budnikova, researcher of the Roerich creativity, President, GHA-Russia

Condemning war and militarism is an important first step toward saving the world from a nuclear catastrophe. We must also recognize that hegemonic provocations by US/NATO could lead to a world war. The United Nations, due to its fatally flawed Charter, is unable to prevent the perpetual wars that constantly threaten humanity's very existence. Hope lies in replacing the UN Charter with the visionary Earth Constitution together with fundamental Global Peace Science geopolitics -- gifts to the world awaiting discovery for a peaceful Era.

Roger Kotila, Ph.D., Editor, Earth Federation News & Views, USA



Save the world from a global war may turn of the current human evolution to conscious harmony, creating global peace through science, spirituality and morality. Knowledge of the laws of deep structure of social harmony, including the paradigm of "D + 3D", performs by Global Peace Science, acquirement of which becomes urgent task of all states in the 21st century in transition from destructive geopolitics of war to saving geopolitics of peace. "Harmony will save peace through science!"

Uraz Baimuratov, Academician, Director, Institute of Economics, Academy of Sciences, Kazakhstan

Human beings are rushing headlong to the precipice of extinction. Why is this? Because we are engaged in an orgy of violence against life: our fellow humans, our fellow species, the Earth itself. To survive, we must do many things ranging from nonviolently resisting those insane western elites that threaten us with nuclear obliteration to learning to nurture our children so that they lead lives of fearless, compassionate power in the struggle for peace, justice and sustainability. Global peace science has a vital role to play in this endeavor.

Robert J. Burrowes, author of 'Why Violence?', Australia



The soul of humanity requires immediately the "Global Peace Science" which is capable to stop the atrocities of the Western world dominators, lay the foundation of Peace, Harmony, Democracy, Freedom, Justice, Love and Dignity of mankind and clear the terrible darkness of human soul. Because, deeply within the humanity consciousness remains ignorant and helpless in regard to peace, immersed in history in continuous wars. Unfortunately, for thousands of years, no religion, no art, no law and policy were not able to go out it of the militarist slavery, due to lack of paideia (education of beautiful and good) and Peacescience. Only paideia plus the powerful tool of Peacescience are able to do it that determines its historical role.

Dr. Panagiotis (Takis) Dimos Ioannides, Athens, Greece

Invincible soft force of global peace consists in absolute power of social harmony of the world's population, in its four SPHERONS, harmonious classes. Their harmonious power, scientifically organized in Spherical Democracy (SPHERONS' democracy) at all levels from local to global is able to put an end to militarism and endless wars of the irremovable ruling elite under the pall of its militarist "democracy". In 2015, Global Peace Science became first property of humanity staying earlier in the full power of military science, militarism and continuous wars of elite. The historical significance and intellectual power of peace science consists in discovery of an alternative, soft power of peace from SPHERONS' harmony, winning military force agony, plague of militarism/terrorism and violence orgy.

Dr. Leo Semashko, Initiator and Editor in Chief, Global Peace Science, GHA President, Russia



Other estimates of Global Peace Science look at the book end.

GHA Message TO BRICS and other Peaceful States Leaders:

President of Russia - Mr. Vladimir Putin

Prime Minister of India - Mr. Narendra Modi

President of the People's Republic of China - Mr. Xi Jinping

President of Brazil - Ms. Dilma Rousseff

President of South Africa - Mr. Jacob Zuma

President of Kazakhstan - Mr. Nursultan Nazarbayev

Prime Minister of Malaysia - Mr. Najib Razak

And other.

The Global Harmony Association (GHA), which comprises more than 600 members from 65 countries and has created for 10 years the first in history version of "*Global Peace Science*" (GPS) in same name book on the Russian (2015) and English (2016) languages by more than 130 coauthors including the former President of India, Abdul Kalam, Nobel Peace Laureate Mairead Maguire, pioneer of peace studies Johan Galtung and many other distinguished scholars and peacemakers,

CALLS YOU TO ESTABLISH

INTERNATIONAL ACADEMY OF GLOBAL PEACE (IAGP)

as joint bridge of peace through science and culture for the beginning of 20-25 scholars, for example in Russia, Simferopol that will make Crimea by BRICS scientific center.

The IAGP Purposes are *development* of Global Peace Science (GPS) as innovative transformation of peace thinking, *training* Bachelors, Masters and Doctors of Peacemaking Science and *diffusion* of GPS.

The Method of GPS development is **democratic consolidation** in IAGP the scientific groups from different countries with different scientific approaches to peace. The GPS option created in the GHA is the initial. The GPS final version should be created in the IAGP.

IAGP Vision: Creating a multipolar and harmonious/balanced world order excluding the war to ensure peace and prosperity to all nations.

IAGP Implementation: Joint projecting and investment (both: state and business) in construction of the IAGP building in Crimea and joint governance of the IAGP.

Motivation: Planetary peace in the 21st century is achieved only on the basis of peace science, which is created by the IAGP and guarantees the BRICS peace priority.

Peace in our time is as fragile as it was 100 years ago. Humanity is once again on the verge of world war but now nuclear, unprecedented in its victims. War constantly wins peace because it has **one absolute advantage - military science**, science of killing by the most sophisticated weapons of mass destruction. This science was established more than two centuries ago and since then all governments cherish it with the fattest military budgets.

But in contrast to war, peace is still deprived of own science that does not allow to strengthen it with stable social consciousness. Creation of this science **is the historical mission of the BRICS, which only you are able to decide.** Another way to global peace does not exist. (The Message full text see chap. 10).

Sincerely, **Global Peace Science coauthors**, 24 from more than 130:

Dr. Leo Semashko, Julia Budnikova and Yuri Ztimalist, Russia; Dr. Subhash Chandra, Dr. Surendra Pathak and Dr. Narayanam N. Murthy, India; Delasnive Daspert, Brazil; Mairead Maguire and Dr. Stephen Menzell, Ireland; Dr. Johan Galtung, Germany; Dr. Uraz Baimuratov, Kazakhstan; Dr. Roger Kotila, Dr. Rudolf J. Siebert and Dr. Kurt Johnson, USA;

Dr. Francois Houtart, Belgium; Ayo Ayoola-Amale, Ghana; Heli Habyarimana, Rwanda; Dr. Gopala Krishnan, Malaysia; Dr. Bishnu Pathak, Nepal; Dr. Ernesto Kahan, Israel; Dr. Takis Ioannides, Greece; Guy Crequie, France; Dr. Robert J. Burrowes, Australia; and other. 27/09/15

Global Peace Science or Peaceloveology, Peacescience: First Common Good and Human Right, Revolution of Social Sciences, Creating Peace from SPHERONS' Harmony and Nonviolent Victory of Peace over War in XXI Century

World textbook for schools, colleges, universities and academies

Dedicated to the GHA 10th anniversary, February 15, 2005,
70th anniversary of victory over fascism, May 9, 1945,
80th anniversary of signing of the Roerich Pact, April 15, 1935,
UN International Day of Peace, September 21,
UN Interfaith Harmony Week on February 1–7,
UN International Day of Yoga, June 21

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Global Harmony Association (GHA): Key Definitions

GHA, created on February 15, 2005, is an international NGO that unites more than 600 members from 65 countries and more than one million participants from the GHA collective members in 80 countries.

GHA Founder and President is **Dr. Leo Semashko**.

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The GHA 50 Projects List: http://peacefromharmony.org/?cat=en_c&key=472

GHA Mission is to bring global peace from harmony and to pave a conscious way for harmonious civilization on scientifically based '*ABC of Harmony*' and '*Global Peace Science*' (GPS) through harmonious education and cross-cultural dialogue at all levels: world, regional, national and local.

GHA Pluralistic Four-dimensional Worldview is *Tetraphilosophy* and science of social harmony and harmonious civilization, known as *Tetrasociology*. Both constitute *Tetrisism* or *Harmonism*. It has been evolving since 1976 and is represented in more than 400 scientific publications including 16 books and brochures on 16 languages, and more than 230 projects, 50 of which were created within GHA since 2005.

GHA Paradigm of Global Thinking (Tetranet thinking) is four-dimensional (tetra-) net harmonious holistic and peaceful thinking, which is an alternative to one-dimensional, industrial, disharmonious, partial and military thinking, which is responsible for all global problems and pathologies of modernity.

GHA Social Ideal is global peace of harmonious civilization, features, definition, inevitability and thinking of which are outlined in the *GHA Harmonious Civilization Universal Declaration* (2009).

Culture of Global Harmonious Peace is based on the principle: "*If you want peace, create harmony*," which essentially distinguishes this culture from industrial, militaristic (non-peace) culture based on the principle: "*If you want peace, prepare for war*" (*Si vis pacem, para bellum*).

Deep Structure of Social Harmony is: 16 fundamental elements of social harmony expressed by social genome – SOCIONOME, whose center consist the four SPHERONS – global harmonious spherical classes of the population. SPHERONS are the creator of these 16 elements and, hence, global peace through balance/harmony of these elements. The conscious balance of SPHERONS is provided by the GPS and harmonious education in this science.

Conscious Actors of Harmonious Civilization and global peace are the four spherical classes of the population – SPHERONS, which differ not in regard to property but in regard to their employment into the spheres of production and which possess scientific knowledge of social harmony.

Modern Age of Harmony Globalization is the replacement of violent industrial revolutions, wars and spontaneous crises by scientific achievement of global harmony and global peace. The beginning of this epoch has occurred in 1990 with the crash of the USSR, which marked the fall of industrial civilization and the rise of harmonious civilization.

The GHA 8 Books for 10 years are: *Global Peace Science* (2015 in Russian and 2016 in English); *The ABC of Harmony* (2012); *Russia, Forward, towards Harmonious Civilization* (2010); *Kazakhstan – Harmonism Strategy for the 21st century* (2010); *Harmonious Civilization* (2009); *Harmony Academy* (2008); *Magna Carta of Harmony* (2007); and *Harmonious Era Calendar* (2006).

The GHA total grade:

On the threshold of the new millennium, when the prevalent ideologies have come into contradiction with reality, Global Harmony Association makes its appearance offering humanity the necessary philosophical vision of peace from world harmony.

Prof. Ernesto Kahan, former Vice-president of the International Association of Physicians. It was awarded Nobel Peace Prize in 1986. (*The ABC of Harmony*, p. 84)

Dedicated to

the loving memory of the greatest thinkers and peacemakers of humanity: Egyptian Priests, Buddha, Pompilius, Confucius, Pythagoras, Heraclites, Laozi, Empedocles, Plato, Aristotle, Euclid, Ashoka, Erasmus, Kepler, Montesquieu, Leibnitz, Shaftesbury, Russo, Kant, Comte, Smith, Marx, Dostoevsky, Tolstoy, Danilevsky, Weber, Jung, Gandhi, Montessori, P. Ouspensky, Sorokin, Toynbee, Parsons, Einstein, King, Roerich, Braudel, Freire, Marcuse, Fromm, Bourdieu and others, who made an invaluable contribution to comprehension of prerequisites of harmonious civilization and world peace, through the integration of brilliant ideas of which were created *The ABC of Harmony* and *Global Peace Science (GPS)*.

Dedicated to

the loving memory of gone but not forgotten friends of harmony and Tetrasociology: Valery Isaev, Michael Lebedinsky, Alexander Yushchenko, Vladimir Strelkov, Vadim Trifanov, Bladimir Kavtorin, Abram Yusfin, Igor Shadhan and Abdul Kalam, who have made the great contributions to preparation of the projects of harmonious civilization and global peace including *The ABC of Harmony* and *Global Peace Science (GPS)*.

Dedicated to

the loving memory of my heroic mother, Augusta Rumyantseva, born in 1920, which saved me a newborn in hell of Nazi bombing and shelling in late June 1941 (my father was killed in the first days of the war) on the USSR western border in Grodno. Before her death in 2003, she told me with tears about the horrors of these days, asserting that not only she saved me but and I saved her because she did not want to live in this fiery hell and the only child gave her the courage to survive. The tears of suffering and self-sacrificing love of my mom, who I adored all life, made me the hard peacemaker to find a way to end all wars.
And I, together with the GHA, found it, saved by God of military hell and inspired and blessed my mother.

June 21 – Global Harmony Day

As the symbol of eternal human aspiration to an ideal of harmonious civilization on the GHA
Harmonious Era Calendar

November 3, 2009 –

Birthday of Harmonious Civilization in the day of publication of the GHA book
Harmonious Civilization

February 11, 2012 – Opening of the Age of Harmonious Enlightenment and the beginning of Global Peace Science;

First presentation of the GHA book *The ABC of Harmony* in Delhi, in the IASE University

January 24, 2015 – Birthday of Global Peace Science (GPS).

Publication of the GHA book *Global Peace Science* in Russian language

Dr. Leo Semashko and 173 coauthors from 34 countries

Global Peace Science or Peaceloveology, Peacescience: First Common Good and Human Right, Revolution of Social Sciences, Creating Peace from SPHERONS' Harmony and Nonviolent Victory of Peace over War in XXI Century. World textbook. The GHA 48th project. First publication in Russian language, St-Petersburg, 2015. – 432 p. First publication in English: JD Group of Publication, New Delhi. 2016. – 616 p. ISBN 978-81-929087-8-6

Abstract

Global Peace Science (GPS) is the first in history the science of world peace, after more than two centuries of the birth of military science in the Adam Bülow's book in 1799. The GPS cognitive result is the first scientific extremely laconic formula of peace: “**peace from harmony of SPHERONS through science**”, which determines a source, social actors and main way of global peace. The objective grounds and numerous details of this formula are disclosed in the book 13 chapters in different dimensions: social, philosophical, historical, structural, functional, political, economic, personal, educational, psychological, legal and others.

The GPS practical and political resume is: Invincible soft force of global peace consists in absolute power of social harmony of the world's population, in its four SPHERONS, harmonious classes. Their harmonious power, scientifically organized in Spherical Democracy (SPHERONS' democracy) at all levels from local to global is able to put an end to militarism and endless wars of the irremovable ruling elite under the pall of its militarist "democracy". In 2015, Global Peace Science became the first worthy and non-violent intellectual weapon against the absolute power of military science, militarism and continuous wars of elite. The historical significance and intellectual power of peace science consists in discovery of an alternative, soft power of peace from SPHERONS' harmony, winning military force agony, plague of militarism/terrorism and violence orgy.

Global Peace Science (GPS) is defined in its key qualities in the book title. Its main achievement and sociological foundation is the discovery of four objective harmonious spherical classes of the population employed in the respective spheres of social production and because titled by SPHERONS, which by their nature provide social harmony as a constant source of peace. If Marx discovered in society the antagonistic groups as eternal sources of class struggle and wars, GPS discovered the eternal harmonious classes as sources of peace, in which the Marx's classes is only partial, disharmonious and temporary cases.

GPS is a theoretical knowledge of global peace of SPHERONS confirmed by historical and statistical facts. Discovery of SPHERONS as the deep and constant global social structure is discovery a new social energy and soft force of harmony, able to harmonize all spheres of society and the individual. It is a scientific breakthrough to a new, harmonious civilization and revolution of all social sciences overcoming its two centuries of lagging behind the military science.

The GPS creation began almost 40 years ago, but strongly during 10 years in the GHA since 2005. The philosophical and sociological basis of GPS and SPHERONS discovery is Tetrism (four-dimensional pluralism) as unity of Tetrphilosophy and Tetrasociology – the science of social harmony, global peace and harmonious civilization. The most complete it is presented in "*The ABC of Harmony*" (GHA, 2012).

The book chapters is united in two parts: peaceful (future) and military (past) history of mankind, and three sections of the first part, which respectively unfold the architecture of GPS, global peace, and finally its evolution in the present time. The GPS unprecedented theoretical and practical qualities create a fundamentally new space of innovative technologies: social, informational, political and economic. This science is necessary for all conscious builders of global peace, especially leaders.

Leo Semashko, Ph.D. (Philosophy), Founding President, Global Harmony Association (GHA) since 2005; State Councilor of St. Petersburg; Philosopher, Sociologist and Peacemaker from Harmony; Author of more than 400 scientific publications, including 18 books in 1-12 languages; Author of *Tetrism* as the unity of *Tetrphilosophy* and *Tetrasociology* – science of social harmony, global peace and harmonious civilization; Director: Tetrasociology Public Institute, Russia; Director, GHA Website “Peace from Harmony”: <http://peacefromharmony.org>; Initiator and Editor in Chief of the book "*Global Peace Science*". **Address:** St. Petersburg, Russia, Phone: 7 (812) 597-65-71, **E-mail:** leo.semashko@gmail.com

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*God created human beings in HIS own image
And gave people reason that they were
Powerful in harmony and harmonious
in power, as HE; that they were free from
the military pathology of mutual kills
and will become capable to solve all problems on the Earth
without wars and murders in perpetual peace.*
GHA

*Global Peace Science is created by God's will,
to disarm the warlords, put
an end to wars, and, as Martin Luther King spoke,
"shift the arms race into a peace race."*
GHA

Here the fear should not give a council.
Dante

*We did as we could.
If you can, please, do better.*
GHA

*If someone feels this book is insufficient as a
Status of a new science (GPS), each, probably, will agree
It is the most profound staging for the question
Of such a science. In any case, it stimulates
its development.*
GHA

*War possesses with science for over 200 years.
Why does science remain superfluous and unnecessary
so far for peace?
Who could say?*
GHA

PRELIMINARIES. *Leo Semashko*

Foreword. Global Peace Science: Development and Conclusion of *the ABC of harmony*

Terminology and Abbreviations: Global Peace Science (GPS)

Preface. Need, Intent and Conditions of GPS Creation

Introduction. Global Peace Science (GPS): Methodology of Description and Expression

PARTS

PART 1. Opening a Peaceful Era of Human History from Harmony: Global Peace Science, SOCIONOME and SPHERONS of Harmony

PART 2: Completion of an Era of Military Human History: End of Military Science and Peace from War

1. Foreword. Global Peace Science: Development and Conclusion of *The ABC of Harmony*.

Global Peace Science (GPS) is the application, continuation and development of *the ABC of Harmony* (2012) [1]. It discovered the science of social harmony. It is the beginning and source of global peace science from harmony as revolutionary social and peace thinking. Its key philosophical conclusion as theoretical platform of GPS is in the following.

Harmony is the best state and condition for life of nature, society and the human. Harmony (measure and consent) is the goal of any whole and its all parts at all levels. NOTHING IS BETTER THAN HARMONY IN GOD'S PERFECT CREATION. NOTHING BETTER HARMONY DO NOT EXIST IN NATURE. All blessings and spiritual values are aspects of harmony. Similar ideas have been expressed by the greatest thinkers of humanity for more than five thousand years: Egyptian Priests, Buddha, Pompilius, Confucius, Pythagoras, Heraclites, Laozi, Empedocles, Plato, Aristotle, Euclid, Ashoka, Erasmus, Kepler, Montesquieu, Leibnitz, Shaftesbury, Russo, Kant, Comte, Smith, Marx, Dostoevsky, Tolstoy, Danilevsky, Weber, Jung, Gandhi, Montessori, Ouspensky, Sorokin, Toynbee, Parsons, Einstein, King, Roerich, Braudel, Freire, Marcuse, Fromm, Bourdieu, and many others.

Social harmony provides the most favorable conditions of all possible and the most fruitful opportunities of all imaginable for life and development of each part of humanity, every nation and every human, as well as humanity in a whole. Therefore, all parts spontaneously seek harmony, and where it ends – there ends the existence and life itself. What could be better for the life of a society and person than harmony? We have not found the answer to this question. We assume that the answer to this question does not exist. Therefore GPS defines the ultimate source of global peace in social harmony.

All values and benefits of humanity are derived from harmony and impossible without it and beyond it. Life, love, peace, faith, justice, freedom, equality, brotherhood, happiness, humanism, human rights, sustainable development, survival and prosperity of mankind, of all its parts, nations and persons, – are consequences and attributes of social harmony. Their measure is determined by their degree of social harmony and they live only in the framework of this measure.

This measure is presented for the whole of humanity and for all levels in the social genome of harmony – SOCIONOME, which defines its fundamental actors – harmonious spherical classes – SPHERONS. Social harmony becomes conscious and most effective when they will transform from spontaneous to conscious actors that begin with the creation of scientific knowledge of social harmony, its SOCIONOME and SPHERONS in *the ABC of Harmony*.

Thinking spheres and SPHERONS within SOCIONOME create a qualitatively new way of thought that determines the revolution of social thinking and breakthrough in social science. Along with this new knowledge arises global peace science (GPS). It expresses the scientific revolution of social thinking and a breakthrough in social knowledge, which retains and consolidates all previous peacemaking achievements, raising them to the level of innovative science of the 21st century.

The principal value of *the ABC of Harmony* is the beginning of global peace science and source of its revolutionary thinking. But this was anticipated by Confucius, Buddha, Jesus Christ and many other prophets and thinkers of humanity. What Abdul Kalam wrote on the first of them, can be said about each of them:

**The wise sage Confucius said,
"When there is beauty in the character,
There is harmony in the home"
The enlightened one, the Buddha added,**

**"When there is harmony in the home,
There is order in the nation,
When there is order in the nation
There is peace in the world".**

– Abdul Kalam [2]

This is the most accurate definition and most brief formula of global peace from harmony at all levels from the individual to the whole world:

- beauty (measure)
- harmony (consent)
- order (coherence)
- peace (prosperity).

The source of global peace is measure and harmony in all spheres of humanity and the relevant order into its social, spiritual, political and economic life.

GPS spiritualizes this formula of global peace from harmony through 2500 years by discovering and unfolding the essence of its universal and eternal actors – harmonious spherical classes, SPHERONS. This is its innovation and scientific revolution, to which this book is dedicated.

Leo Semashko, Ph.D. (Philosophy),

Founding President, Global Harmony Association (GHA) since 2005; State Councilor of St. Petersburg; Philosopher, Sociologist and Peacemaker from Harmony; Author of more than 400 scientific publications, including 16 books in 1-12 languages; Author of *Tetrisism* as the unity of *Tetraphilosophy* and *Tetrasociology* – science of social harmony, global peace and harmonious civilization; Director: Tetrasociology Public Institute, Russia; Director, GHA Website “Peace from Harmony”: <http://peacefromharmony.org>; Initiator and Editor in Chief of the book "*Global Peace Science*". **Address:** St. Petersburg, Russia, Phone: 7 (812) 597-65-71, **E-mail:** leo.semashko@gmail.com

2. Terminology and Abbreviations: Global Peace Science (GPS)

This book contains many new concepts. Thus is natural for a new science: none of them is impossible without new terminology. Any of them need it to express distinctive qualities. Therefore, each new science creates its own terminology and its new conceptual apparatus. Such is Global Peace Science, the basic concepts which, together with their modifications and reductions – abbreviations for their use are given below.

- Global Peace Science – GPS;

- Peaceloveology – is a brief emotional synonym for GPS as its rational name. GHA recognized this term for GPS as the most preferred synonym over some others: peaceharmonology, tetrapeaceology, irenology and others. The main advantage of term "peaceloveology" is that it aims this science at peacefulness, the lack of which (at all levels from the individual to global) is the source of all wars and any violence. GPS is the science which first defines how this deficit of peace love can be made up from scientific theory of harmony through reason. They complement each other well. However, this choice leaves open the search path for better names for GPS.

- Global Harmony Association – GHA, the GPS first conscious creator.

The different abbreviations for the book title – "*The ABC of Harmony for World Peace, Harmonious Civilization and Tetranet Thinking*":

- *The ABC of Harmony for Global Peace,*

- *The ABCs of Harmony,*

- *ABC;*

- SOCIONOME – social genome of society, global harmony and global peace. It brings together 16 fundamental spherical elements of society, ensuring its constant production, life and development as a whole. SOCIONOME is *The ABCs of Harmony* quintessence as a science of global harmony. Therefore: SOCIONOME of global harmony is the SOCIONOME of global peace and vice versa.

Peace Structures/Spheres:

- Social Sphere – Sociosphere, S;

- Information Sphere – Infosphere, I;

- Organizational Sphere – Orgsphere, O;
- Technical (material, economic and environmental) sphere – Technoecosphere or Technosphere, T;
- SIOT Structures/Spheres. They produce PIOT resources. These spheres but in another terminology were defined by Karl Marx in "German Ideology" in 1845 [3];

Peace Resources:

- Human resource – People, P;
- Information resource – Information, I;
- Organizational (managerial, financial, political, legal) resource – Organizations, O;
- Technical (material, economic and environmental/natural) resource – Things, T;
- PIOT Resources. These resources were first identified Alvin Toffler in 1980 but in a slightly different version [4];

Peace Actors:

- Social Class – Socioclass, (Humanitarian Class), S-class;
- Informational (Creative) Class – Infoclass, I-class ;
- Organizational (managerial, administrative, political, ruling) class – Orgclass, O- class;
- Technical (material) class – Technoclass, T- class;
- SIOT-classes;
- **Spheral Classes of the Population*** – SCP or SIOT-classes or SFEROCLASSES or **SPHERONS** employed in SIOT structures (spheres) by production of PIOT resources;
- SOCIOSPHERON – Socioclass, INFOSPHERON – Infoclass, ORGSPHERON – Orgclass, TECHNO(ECO)SPHERON – Technoclass;
- Spheral or SPHERON’s belonging – it is belonging, participation of the human to SPHERON, to spheral class, employed in one of the spheres;

(* The term "class" is associated with antagonism, enmity and war of the traditional classes. The spheral classes are deprived of these qualities and are only the actors of harmony, consent and peace. Therefore, to get rid of inadequate past associations, this new science – GPS – uses new terms, clean and free from distorting associations termed SPHERONS to express harmonious spheral classes of the population, ensuring global peace. This term is most often used in this book compared to other synonyms. SPHERONS in general are the world actors employed in harmony. They basically cannot be engaged in war they have never been and cannot be actors of war but their historical parts – separate groups, nations or partial classes are frequently encountered in wars and armed conflicts. This is explained in the book. SPHERONS of GPS not confuse with spherons in physics).

- PARTONS* – are the private groups and classes of people employed in various sectors of public activity and constituting the certain branch parts of SPHERONS.

(* PARTON is from the English word – part. PARTONS of GPS not confuse with the partons in physics).

- **The concept of "dual peace" or "two peaces."** It expresses the coexistence in human history a reality of "two peaces." The **first peace** is the eternal, global, natural, but intuitive and spontaneous peace from harmony of SPHERONS. This peace was discovered for the first time in GPS together with the opening of SPHERONS. The **second peace** is a temporary, local, but military peace from war, deliberately provided by the principle: "If you want peace – prepare for war", which acts throughout history until now. The **second peace** limits, complements and illustrates the insufficiency of spontaneous state of the first peace, expressing the need for its transition from spontaneous to conscious state on the basis of relevant scientific knowledge – GPS. Only in this case will be solved the historic contradiction between the "two peaces" in favor of the first, which eliminates, prevents and makes the second, militaristic and bloody peace from war unnecessary. In fact, the GPS entire book is devoted to this concept and solving contradictions of "two peaces."

Synonyms of the "first peace" from harmony are: world-wide, universal, eternal, perpetual, continuous, harmonious, non-violent, sustainable, stable, durable, lasting, real, planetary, true, and etc.

Synonyms of the "second peace" from war are: local, partial, temporary, discontinuous, disharmonious, militaristic, violent, unsustainable, shaky, wavering, brief, illusory, false, traditional, and etc.

The simultaneous growth of both opposite trends with the perspective of either winning the first through GPS or military destruction of human and Earth is characteristic for modern humanity.

Peace Processes:

- Production of PIOT Resources, – Production, P;

- Distribution of PIOT Resources, – Distribution, D;
- Exchange (Market) of PIOT Resources, – Exchange, E;
- Consumption (Use) of PIOT Resources, – Consumption, C;
- PDEC Processes. These processes for the material production were first identified by Adam Smith in 1776 [5];

- Self-production or autopoiesis is one of the key terms of the theory of social harmony and GPS expressing life time employment of every human by production of himself in all aspects from birth to death in such processes as sleep, rest, food, communication, training, etc. Any other, – labor (industrial and economic) employment is part of self-production as life employment. The term autopoiesis was first introduced by Humberto Maturana and Francisco Varela (1973) [6] for theoretical biology to describe the self-reproduction of living cells. The human, as a cell of the social organism, also possesses a fundamental quality of similar social self-production. This concept was later borrowed by Niklas Luhmann in sociology in 1990 [7] as autopoiesis of human communication as a key element of the social system. The term of self-production or autopoiesis was borrowed from these theories but has in GPS and the theory of harmony its own meaning: it expresses production (upbringing) of the human himself in a peaceful or military spirit in harmony or disharmony, etc. It also differs from the corresponding narrow economic concept as individual production.

Other terms:

- Tetranet thinking, – four-dimensional holistic harmonious network thinking.
- Military-Industrial Complex, – MIC. Together with armed forces and infrastructure, MIC creates Military Arsenal and Potential, – MAP. It is the system of 16 fundamental elements of war and its preparation. They are the SOCIONOME elements, the parts of which are used for military purposes to conduct and prepare wars. Now they are about 11% of world GDP: [8]. But this represents costs only to the armed forces. Expenditure on MIC amounts to 2–3 times more; however they are a state secret and are not reflected in budgets disguising themselves in its other articles. To these must be added the costs of production of handguns (personal weapons). The governments understate military spending as they all are provided by taxpayers, i.e. almost the entire population. Therefore, the true costs for MAP are largely unknown, but they are several times higher than official military spending and account for approximately 30–40% of the world's gross domestic product. This is not the 11%. MAP characterizes as the extent and degree of military disharmony prevalent is military pathology of human society in a whole today. (See more on military expenditures in more detail the special article below.) Military elements are labeled: MIC or MAP, or "war" and etc. War as any pathology of the social organism cannot be included in its constitution.

3. Preface. Need, Intent and Conditions of GPS Creation

Industrial civilization of the fragmented nation-states with hegemony of the strongest world military power led in the late 20th century to its self-denial in the globalization [9]. This civilization is unable to solve their generated and constantly escalating global problems of humanity in all spheres within a unified framework of global harmony and national interests of 250 countries including the UN 193 states-members [9.a.]. Globalization has put the question of change of industrial civilization in continuous global economic, financial, political, ideological and socio-demographic (ethnic) crises, which are insoluble in the wars as a traditional industrial method to overcome the problems. Replacement of industrial civilization in globalization coincides with the renunciation of war and hegemony of a militaristic strongest power and from one polarity. Along with this trend is a growing simultaneously spontaneous harmonization of all the spheres, which focuses in the search for a harmonious common denominator of national and global interests. Harmonization allows freeing primarily from wars and ensuring global peace for all nations, instead of military hegemony of one state, as happened recently in the Crimean crisis without a shot. But it is a spontaneous process, which requires scientific awareness in GPS.

Real social need for global peace without war occurs together with the beginning of globalization era in the late 20th century and increases with its development, expansion and deepening. However, we must not forget the dream of world peace has always lived since ancient

monuments of literature in all local civilizations. But it remained a dream until humanity remained fragmented along national borders of society. "The policy of national interests" in the era of globalization, does not work or is too bad and this demonstrates that growing global challenges, crises and diseases cannot be resolved within narrow national interests. This era requires from 200 nation states the world politics of global interests, which cannot be other than the politics of global harmony and global peace without war. Alternatives for it do not exist. The representatives and actors of global interests are SPHERONS, spherical classes of the population, covering the whole of humanity and every country. They constitute the main subject of GPS disclosed in this book.

National interests are natural within the boundaries of the nation state but their priority is beyond these boundaries is fraught with conflicts and wars. Therefore, the only natural priority of global interests beyond national borders is to determine which requires a special scientific instrument – SOCIONOME (social genome of global peace). Only within this is it possible to understand the discovery and role of SPHERONS as actors of global peace and agents of global interests. SOCIONOME and SPHERONS form the core of this book (see details below), and provide a common scientific platform or theoretical paradigm for a coordinated policy of global interests for all nations. This policy defines the best measure of the national interests for each country.

But this policy remains terra incognita, because humanity is still unknown to two sciences: global harmony and global peace, and this can only be a reasonable common ground for all people and states of the world in their new policy of global interests. These sciences have been made possible thanks to two fundamental discoveries in social science – SOCIONOME, social genome of global harmony and SPHERONS, harmonious spherical classes of the population. The first versions of these sciences through these discoveries was created in GHA in *the ABC* [1, 35–46] and in this book, which opens broad prospects for further development of this knowledge for the governments and peoples as a common basis for policy of global interests. The first versions of these sciences are the first response to these corresponding global social needs and challenges and allow us to understand them clearly. The named scientific discoveries provide an opportunity to create a harmonious common denominator of national and global interests, excluding any military global hegemony [10], [11] and any war.

The idea of creating GPS originated in the GHA in its inception in 2005. It has gone through many stages of approximation and implementation, expressed in seven previous books and 50 projects for almost 10 years (see bibliography).

The resources for GPS creation were virtually nil, so the conditions of its creation were extremely unfavorable. But GHA for nearly 10 years created independently two main resources for it:

1. Scientific theory of social harmony, which is a theoretical and information platform for GPS (it is most fully expressed in *the ABC of Harmony* [1]).
2. A small international group of enthusiasts-peacemakers (about 200–300 people) devoting ideas for peace. Of this group, an international team of the GPS authors (up to 100 people) was formed. Two other resources remained essentially zero:
3. Financial resources, except the meager donations of GHA members (see list of donors and their donations), and
4. Material resources, except for limited technical support of the GHA members.

Despite these adverse conditions, the GHA is pleased to present to the court of world community, international organizations and national governments a new, vital concept necessary for all people – the science of global peace in this book.

4. Introduction. Global Peace Science (GPS): Methodology of Description and Expression

The human history on the Earth, from the foggy beginning to the foggy end, is divided into two very unequal parts. The first, in a few tens of thousands of years is a historical era of the growing wars within number, replacing each other, local and temporary disharmonious civilizations. It concludes with self-negation in the industrial militaristic civilization that brought wars and generated social disharmonies to their logical end. The second, in the future in a few billion years, as there is the planet Earth – is a historical epoch of peaceful global harmonious civilization of united family of nations, the collective mind which found a conscious harmonious scientific way, devoid of wars, for endless social development in harmony, for harmony and from harmony. The passionate turning point from the first to the second era would have been Global Peace Science (GPS) in the early 21st century, in 2014. GPS will initiate the permanent system development of peace mind and peace thinking. This science had tens of thousands of steps preceding its historical approach and search in the first epoch and it will have millions of climbing steps and improvement in the second period of history.

However, GPS itself has been compressed into two years, contradictory history of its creation within the GHA. Previously the GHA's 8 years were a time of its search and training in the published 7 collective books and 50 projects of global peace from global harmony. The ten-year history of the GHA, which now brings together more than 500 individual members from more than 60 countries, is a collective passionate rise and unprecedented spiritual breakthrough of humanity to science of global peace. The beginning of this breakthrough relates to 1976, nearly forty years ago [1, 118–119]. Conscious global peace was impossible without GPS in the past. It will be possible in the future thanks to this science, which will be a motor of human spiritual renewal. GPS like Janus is facing both sides of the time: it is the result and end of the military past and at the same time – the opening and beginning of a peaceful future. But where to begin presentation and expression of GPS in the world textbook designed for the new generations and a new, harmonious civilization? Since is its historical past, or since logical inference of this long, difficult and contradictory history?

Since 2013, a year after the publication of *the ABC of harmony* as a theoretical source of GPS, when GHA began discussing the idea of new book on GPS, there emerged a strategy of description and expression from the past to the future, from war to peace, from military science to peace science, from military mind to peace mind, from peace from war to peace from harmony. This strategy was approved GHA in March and November 2013 in two different versions, which was reflected in the sequence of two parts of this book:

PART 1: Past Military History. Military Mind and Peace from War. The End for Era of Military History.

PART 2: Future Peace History. Peace Mind and Peace from Harmony. Opening Peace Era of Human History.

But a year later, after intensive discussions of various aspects of articles and book chapters, author team of the GHA came to the conclusion that **the inverse logic of GPS expression is required**. It should go from the future to the past, from peace to war, starting with the theory of natural spherical classes of the population, SPHERONS within the GPS system Center – SOCIAL GENOME (SOCIONOME) of global peace from harmony.

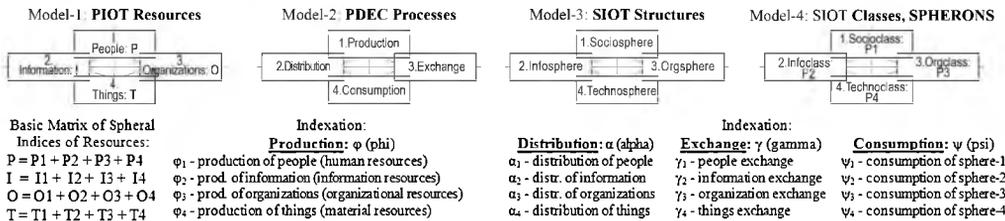
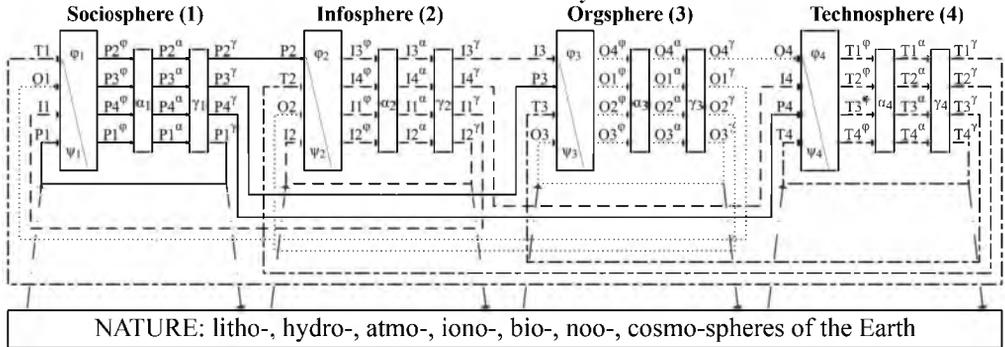
The discovery of harmonious spherical classes began in 1976 and the discovery of SOCIONOME as a one harmonious system of necessary and sufficient conditions for these classes relates to 1980. But its system substantiation was presented in 2012, in the fundamental book *the ABC of harmony* [1, 40–41] by 76 coauthors of GHA. *The ABC of harmony* is the science of global social harmony, the theoretical center and consolidating core which is

SOCIONOME. It is a methodological cognitive axis of GPS, consolidating into one indivisible whole 16 fundamental elements of global harmony disclosed in *ABC* [1, 22–81]. Among these 16 elements a key role is played by spherical classes, SPHERONS as **the deepest cause of global peace – harmony of the social whole.**

Through SOCIONOME in GPS discloses and explains also **the deepest source of wars – disharmony of private groups of people, PARTONS:** separate nations, classes, estates, castes, etc. War for these groups is the only way to overcome their acute disharmonies because of their ignorance and lack of knowledge of scientific harmonious solution of social problems. SOCIONOME explains the most profound causes of war and peace and its SPHERONS determine their central and key position in GPS. Its expression starting with SOCIONOME and its SPHERONS defines a revolution of peace thinking not only in its content but also in its modus. Most succinctly SOCIONOME is presented in the following scheme:

SOCIONOME Scheme:

SOCIONOME: Social Genome of Global Harmony and Global Peace of SPHERONS.



More details on SOCIONOME see [1, 38–43] and Video: <http://youtu.be/hbxY5IREOeA>

Note. One of the important applications of SOCIONOME is its use as an information, statistical/economic and mathematical simulation model at all levels of society from family and school to the country, continent and the world at large. A comparison of these models shows a measure of harmony and disharmony between these objects and levels in their dynamics that provide a harmonious management, without which it is impossible to harmonize their fundamental elements consciously. Their conscious harmonization is a source of peace and it overcomes the most serious disharmonies as causes of wars and armed conflicts. See the special paragraph in the book about it below.

SOCIONOME is explained in detail and is used to resolve the social problems and issues of conscious, practical-building global peace throughout our book and at each article and paragraph in some measure and in some of its aspects. It integrates the contributions of co-authors in a coherent collective monograph.

The integral essence and central theoretical place of SOCIONOME and SPHERONS in GPS defines the logic of deployment of this science in a spiral of all its parts, sections, chapters and paragraphs in the book. This logic begins with the GPS at its center and goes from unknown to the known, from the understanding of peace to the understanding of war, from the future to the past.

War and the military past of mankind constitute a fact well known to all people from the history of their nations and of world history textbooks. It is known that "for the 5500 years, there

were more than 15,000 wars, in which up to 3.5 billion people were killed. We can say that humanity has always fought in its history. For past 5500 years, people could live in peace only a paltry 300 years, that is, it turns out that in every century a human civilization lived in peace just a week"[12]. Military science has developed in the last 200 years; it has reached the astounding achievements that can destroy humanity in a few minutes just in the last 50 years. Nevertheless, the human mind is still working mostly on war and more intensively. War takes the first place in the world, in human minds, as shown by our monitoring (see below). Peace will never be established until it has become a priority of consciousness. Therefore in GPS it is put in the first place. Still, it remains inaccessible to science and Cinderella in society. Its causes and actors diffuse in the dim and foggy consciousness. People are constantly dreaming about peace but feeling it from different sides. Like blind men, they create thousands of scrappy private images which are poorly interconnected and do not answer the main question: what are the ultimate causes, sources, guarantees and actors of global peace?

The answers to these questions are designed to give place to GPS and its theoretical core – SOCIONOME, which is a key discovery of social science and yet totally unknown to most people. So the answer to the question: where to start GPS expression – with a description of the long-known history of wars or from the core of global peace, to be created – is obvious. The most social and educational value today is future global peace, building of which is impossible without its uniform scientific knowledge for all mankind – GPS. Therefore, GPS and its theoretical center – SOCIONOME – is a historical precedent in modern scientific knowledge. Therefore the expression of GPS should not begin with a description of wars, and with the center of global peace, with its social genome, the driving force and energy of which constitute SPHERONS and only they.

Analogically, the expression of modern chemistry does not begin with writings of the alchemical quests and with Mendeleev's Periodic Table of Elements as the center of chemistry. Similarly, expression of human biology does not begin with the description of its different bodies, and with its biological/genetic code and the human genome as a center of this science. SOCIONOME is a holistic theoretical center of social science in general and GPS in particular, similar to the respective centers of chemistry and human biology.

Therefore, the methodology of expression elected for in the GPS book was from peace, from its theoretical center – SOCIONOME and SPHERONS (spherical classes) – to the periphery, from the logical conclusion to the practical beginning, from the theoretical output to empirical justification, from the whole to the parts, from the knowledge of holistic harmony of global peace to the knowledge of harmony of its parts. Based on this, we have identified the following parts of GPS:

PART 1. Opening Peaceful Era of Human History from Harmony: Global Peace Science, SOCIONOME and SPHERONS of Harmony

PART 2. Completion of Era of Military Human History: End of Military Science and Peace from War

This book's structure examines GPS and its expression by looking to the unknown future and not to the known past and thereby avoiding truisms and presenting the truly innovative and revolutionary character of GPS. Global peace is unknown unlike war as the known, which is passing and completely unnecessary in the future.

It is interesting and important primarily as the result of science and its practical value, not a research process that led to it, which is important and interesting only to a small group of experts and professionals. GPS is needed, first of all, by the broad masses of the population in terms of practical results. Therefore, GPS must begin with SPHERONS as abstract, logical inferences and go to their historical and empirical justification of practical theory for peace and contra war.

GPS in any form, as true, or as an intermediate knowledge directed to the truth (as is the most appropriate option) will be socially useful, stimulating social scientists who share its origins and purpose to develop it further, and scientists who reject its foundations to create new conceptions and alternative it and to be able to compete with it in theory.

Opening SOCIONOME in social science is equivalent to the discovery of the Periodic Table in chemistry and human genome in biology. Therefore it is the greatest scientific and practical interest for humanity representing a revolution in peace thinking from the social harmony of SPHERONS and this is an logical grain and adequate start for GPS. This approach from the future to the past in life is called "take the bull for the horns", which is the most appropriate for GPS as a revolution of peace thinking.

SPHERONS, as a fruit of prior history of social cognition, crystallizes and constitutes a new, integrated, social science – the science of global peace that combines almost all of the social sciences in a new quality with the definition of "global": sociology, statistics, demography, economics, politics, finance, computer science, history, cultural, humanistic, education and so on. They are integrated into a unified framework of holistic science of global social harmony, formed in *the ABC of Harmony* [1, 22–81]. In this book, these sciences are integrated in the creation of the most important social science – the science of global peace (GPS) or peaceloveology. This science provides conscious global peace as the first common good of humanity, which is essential to survival, development and prosperity in the new historical era. GPS gives new universal quality to global social science in general – peacekeeping or peace-loving – to all named its organic parts, raising them to a new historical level of human knowledge. GPS received life from SPHERONS, outlining theory and objective logic which it opens. In this textbook, we deliberately repeat in different terms some of the GPS key ideas, remembering that "repetition is the mother of learning."

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PART 1. Opening Peaceful Era of Human History from Harmony: Global Peace Science, SOCIONOME and SPHERONS of Harmony

SECTION 1. GPS Architecture, Revolution of Thinking and Scientific Breakthrough

CHAPTER 1. GPS Theory: Logic of SPHERONS. Global Sociology and Global Demography. *Leo Semashko*

Harmonious SPHERONS discovered in GPS are objective soft force of global peace from harmony, overcoming all wars and any weapon.
GHA

As Pythagoras recognized an eternal cosmic harmony of the planetary spheres also GPS recognizes social harmony of SPHERONS by eternal source of global peace in society and spontaneously (intuitively), and consciously together with the GPS discovery.
GHA

1. Logical-Philosophical Hypotheses of Conscious Global Peace

Conscious (scientific) global peace is the ultimate aim of global peace science (GPS). It is based on the summarized logical-philosophical and sociological hypotheses presented below. Their justification and proof was taken in the past and this book of GHA [see references, especially 1] and will be continued in subsequent works.

1. Society includes an infinite **diversity** of resources, processes, structures and conditions, including a variety of peace and war. Diversity is the original ground for harmony, peace and life exists for them but it can be used for war and death. Any harmony is harmony of diversity, without which there is no harmony.

2. Diversity can be **combined** into groups either spontaneously or deliberately for an infinite number of life goals of a human and society in general, including peace and war. If diversity is not harmonized in its unity and wholeness it becomes a source of disharmony in the form of various clashes, strife, hatred and wars.

3. Quality of **purposes** determines the quality of association, organization and order of diversity. On the other hand, quality of purposes is determined by the quality of social **values**. The measure of the values is defined by a measure of social harmony, different aspects of which are the values.

4. War requires rigid, unambiguous, monolithic and monistic associations with one military leader with the hierarchy of control subordinated to him. This is disharmonious, **one-dimensional type of organization** and order, defined by disharmonious one-dimensional war aim as destruction and annihilation of the enemy. By definition, any military operation depends on a central commander.

5. Peace is a multidimensional, full-life order, which requires not monistic, one-dimensional but **pluralistic, multidimensional paradigms and methods** of associations and organizations.

6. By the best of multidimensional methods of peace uniting we recognize the pluralistic **four-dimensional (tetrad) order**, which has found justification and development in

Tetrasociology as global philosophy and sociology of harmonious civilization in the GHA for almost 10 years and earlier in many previous works.

7. Four-dimensionality or tetrad is **the best way** to understand, explain, express, provide and practically build global peace in its objective essence and cause, which is social harmony. Diversity flourishes only in harmony of peace and not in disharmony of war. So harmony provides flourishing peace, its wholeness and completeness of life.

8. Four-dimensionality (tetrad) and diversity of harmony **coincide in order of global peace**: harmony is tetrad and tetrad is harmonious. They are identical to global peace as a whole and determine any of its historical wholeness. Tetra-philosophy of harmony pervades GPS and the corresponding peace thinking, providing them with innovative, revolutionary character relatively to the traditional way of thinking. **This philosophy of GPS and order of global peace are compactly expressed in SOCIONOME (see below).**

9. Social life, i.e. life of society – is always and everywhere a **joint** activity of people that determines their social nature: "Human is a social being," wrote Aristotle [13]. People live together for peace and not for war. Therefore, joint life is a peace life and the **social nature of human is a peace human nature**, not military. The key importance in joint peace living of people/population has their communities and their order. They are tetrad and harmonious in deep structure, which gives them peace and survival.

10. The order and way of joint, social life is **peace** interaction of four permanent and eternal harmonious groups of society at all levels – SPHERONS, spherical classes of the population. Their harmony is a natural norm and the best condition of society life. Deviation from it as **disharmony is a social pathology and the source of wars**. Harmony serves people for peace and not for war. Peace is harmony and vice versa; and war is disharmony. Kant, more than 200 years ago, identified harmony of people as the source of eternal peace [14] (see special paragraph in the book below).

11. **SPHERONS are actors of global peace, its ultimate cause, source and guarantee**. They constitute a **global social structure**, providing harmony and peace of people living together. It makes global peace by a norm of society and war – a private and temporary exception from this natural law. History did not know total (global) wars with the participation of all nations without exception precisely because of harmony and peacefulness of spherical classes. SPHERONS are an instrument of global spontaneous (natural) peace excluding total wars but some of their smaller disharmonious parts were and can be a source of local wars.

12. In the past history, the **spontaneous character** of SPHERONS defined natural **spontaneous global peace** of humanity.

13. GPS recognizes a paradigm of global peace from harmony of SPHERONS, for war remains place only in the two historical senses.

a. **As a private event in the life of separate nations** because of partial and temporary social disharmony/pathology to be overcome in the wars at the expense of mutual destruction because of misunderstanding the deep structure of global peace and the inability to follow its path.

b. **As temporary initial stage of human history** up to the scientific knowledge of deep social structure of SPHERONS as actors of global peace from social harmony.

14. Their discovery coincides with the era of globalization, bringing nations together to overcome various borders: national, state, cultural, religious, economic, etc. These boundaries are more often sources of disharmony, discord and war than peace and harmony. Thus, the **war is a private exception (disharmony)** in spontaneous global peace. The war as this exception is overcome only in a **conscious** global peace.

15. **Conscious global peace** for humanity is possible only on the basis of appropriate science – the science of global peace (GPS), acceptable and accessible through global education

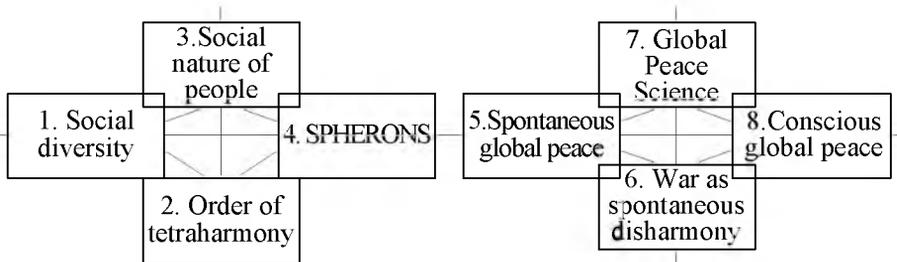
and global media to all people and nations of the Earth as **one peace planetary consciousness and thinking of SPHERONS**. Conscious global peace is a natural consequence of this unified peace consciousness, which excludes any embryo and cause of war in the bud, consciously and nonviolently resolving all arising contradictions through the GPS knowledge.

We summarize the hypothesis of conscious global peace and its science in the tetra-model of the following key items. They lay the beginning for tetrad harmonious network thinking of GPS – Tetranet thinking in the following chain of concepts:

1. Social diversity.
2. Order of tetra-harmony.
3. Social (joint and peace) nature of people.
4. SPHERONS (harmonious classes of people).
5. Spontaneous global peace.
6. War as spontaneous private disharmony.
7. Global Peace Science.
8. Conscious global peace.

Tetranet thinking of GPS continues and develops Tetranet thinking in *the ABC of harmony* where it was presented for the first time systematically [1]. The start of Tetranet thinking in GPS is expressed by the following tetra-model:

Model-1. The main hypothesis of conscious (scientific) global peace



The center of this model is SPHERONS that define spontaneous and conscious global peace in a different state of their collective mind: in the absence of scientific knowledge of global peace and in possession of this scientific knowledge. This is possible only when this knowledge is created in the GPS, only **after** its formation, the first historical attempt of which is made in this book.

The entire book is devoted to discovery and proof of the hypotheses presented as preconditions of GPS, primarily historical transformation of spontaneous SPHERONS in conscious actors of global peace in the 21st century. Since this starts a conscious scientific way of harmonious civilization excluding war and any armed conflict in the root and germ.

2. SPHERONS of Global Peace:

Their Discovery and Central Place in Society

SPHERONS of social harmony and global peace are integrated by global social structure. They occupy a central place in global peace science (GPS), in its philosophy and sociology, as they accumulate and crystallize all the fundamental elements of social harmony. Therefore, GPS is the theory and empirical stuff of spherical classes, SPHERONS with which it begins and the consequences of which it is completed.

Discovery and understanding SPHERONS became possible about 40 years ago in the system of 16 necessary, sufficient and coherent elements of social harmony, united in SOCIONOME (social genome, see below), based on the axiom of social harmony, expressing the fundamental resources for life of society.

Axiom of social harmony: The harmonious existence of a society in any place and at any time is defined by the measure in proportion of four necessary and sufficient social resources: People (P), Information (I), Organizations (O) and Things (T). (Things are any material benefits and services). These resources are expressed in the chain: People (P) – Information (I) – Organization (O) – Things (T). In the acronym: P-I-O-T, or: PIOT [1, 28; 15]. This Axiom of social harmony is the source for science of social harmony, which is the fundament for Global Peace Science (GPS).

The most important law of PIOT resources is that they do not exist in nature as a finished product ready for society's consumption. Therefore society in its full population, to live, must divide into eternal classes, SPHERONS, which constantly produce the social PIOT resources from natural resources. This is the fundamental reason and eternal law of objective division of the population in every society on SPHERONS employed by the production of PIOT resources (see more details below). The Necessity and sufficiency of the PIOT resources define their social eternity and also the eternity of their processes, spheres and the classes that produce them – SPHERONS.

Another law of PIOT resources is continuity, mutual inclusion "each in each" and the inability to produce one without the others. In their system of mutual inclusion the priority resource determines the quality of their integrity [1, 29; 15, 41–43]. The sum of all PIOT resources expresses the society in statics, $S = P + I + O + T$, where S – society.

PIOT resources logically require the relevant processes, structures (spheres) and classes (spherical classes of the population, SPHERONS) for their production, without which it is impossible to have a scientific understanding of global peace in society as a social system under GPS.

SPHERONS, spherical classes of people, are the extremely large groups of populations, covering it in a whole, employed in four spheres of social production of PIOT resources and differing in primary (on-time) employment in one of the spheres. They are the actors of social harmony, i.e. harmonious in nature classes, because without harmony between them they are unable to produce the PIOT resources. Therefore they are the ultimate cause of global peace, its natural source, eternal guarantee and creators revealed in this book. For reference to the historical conditions of discovery of these classes and their features, see below.

The four spheres of their production correspond to the four PIOT resources. These spheres differ in subjects and products of their production, which are appropriate PIOT resources but in the past. These spheres combined four necessary processes: production, distribution, exchange (market) and consumption (PDEC) with the necessary parts of PIOT resources, including four SPHERONS employed in these spheres. The four spheres of production are:

1. *Social sphere, or Sociosphere (S)*, the subject and the product of which are people (P);
2. *Information sphere, or Infosphere (I)*, the subject and the product of which is information (I);
3. *Organizational sphere, or Orgsphere (O)*, the subject and the product of which are organization/s (O);
4. *Technical (economic/ecological) sphere, or Technoecosphere (T)*, the subject and the product of which are things (T). Four spheres of production: SIOT.

These four basic, constant structures of the social world and every society are societal spheres of SIOT. They are termed Societal because they are extremely large, fundamental, necessary and sufficient macrostructures, with an indissoluble unity which forms the social universe. Spheres as the macrostructures cover all levels of the social world from macro (humanity) to micro (individual) and penetrate them.

The four SPHERONS, spherical classes, employed in this SIOT spheres are:

1. SOCIOCLAS, people who are employed in the Sociosphere = P1;
2. INFOCLASS, people who are employed in the Infosphere = P2;

3. ORGCLASS, people who are employed in the Orgosphere = P3;

4. Technoclass, people who are employed in the Technoecosphere = P4.

Abbreviation of these classes is the same as the spheres, so they will differ by adding the word "class": SIOT-classes. SPHERONS are very large groups of people and macrostructures of the population, covering it as a whole and in all its levels, from macro (humanity) to micro (individual).

The population number at any level is the sum of four SPHERONS:

$$P = P1 + P2 + P3 + P4.$$

The products into three other spheres are divided in a similar manner, resulting matrixes corresponding to the basic sphere of statistical indices, which analyzed in detail here [1, 51–54; 16, 48–50].

$$P = P1 + P2 + P3 + P4$$

$$I = I1 + I2 + I3 + I4$$

$$O = O1 + O2 + O3 + O4$$

$$T = T1 + T2 + T3 + T4$$

The general logic of discovery and definition of SPHERONS in the system of 16 fundamental elements of social harmony in SOCIONOME is presented in this paragraph. Other specifics of SPHERONS, their number and position in society as key actors of global peace, are disclosed below in the appropriate chapters.

A central place of SPHERONS in society and its knowledge is as follows.

1. They are the main productive force and creators of all goods and qualities of society. This is the sole resource of society that creates all other resources, including itself. Therefore, the resources quality and properties of society, including peace and war, are determined by the quality of SPHERONS or quality of people, their constituents. **This is law of SPHERONS.**

2. The fundamental elements of social harmony, except SPHERONS have been known for a long time in social science. But only discovery of SPHERONS allows us to understand and create a scientific picture of social harmony in wholeness and to express it in SOCIONOME as a key social scientific knowledge of society.

3. SPHERONS define a deep global social structure of society in a whole, at all levels and forever, as the source, priority and actors of social harmony in the holistic system of its values.

4. Scientific understanding of social harmony through SPHERONS provides scientific understanding of the entire system of social values. The discovery of SPHERONS paved the way for scientific knowledge of this system, starting with global peace value with all the abundance of intuitive approaches to it, some of which are discussed below. Other social values: unity, oneness, freedom, equality, fraternity, love, justice, happiness, and so on also get a single scientific explanation through SPHERONS of harmony, which are their integral center and their creators. Therefore, the measure of these values is a measure of social harmony of SPHERONS. Scientific knowledge of these values through SPHERONS complements and develops their past philosophical and religious knowledge.

3. SPHERONS: Necessity, Sufficiency and Coherence. Logical Proof

SPHERONS have many attributes, the most important of which are: necessity, sufficiency and coherence.

Four SPHERONS are necessary to ensure the existence of society, its life as a whole and each individual.

Proof. SPHERONS, jointly constituting resource PEOPLE, are **necessary** because their absence means zero of all PIOT resources, which do not arise without people. Only people in society create them. In GPS each SPHERON is necessary as necessary and is constituted of each of the PIOT resources, absence of at least one of which makes the existence of society impossible, i.e. social life and every person. SPHERONS are the only manufacturers of PIOT

resources that are not in nature as a finished product with very few exceptions. Therefore SPHERONS constantly produce them. Therefore, zero of any SPHERON is zero for any society, the person and their life. Therefore SPHERONS are a necessary condition for the life of society and every individual. Only humans/people can produce all the resources, including itself. Other resources are not able to produce anything. Therefore SPHERONS are not only an essential resource of any society but they are objectively a priority resource over all others. This was proved by Adam Smith still [5].

Four SPHERONS are sufficient to ensure the existence of society, its life as a whole and each individual.

Proof. Four SPHERONS are also sufficient as are PIOT's four resources, which are continually and permanently produced by them. SPHERONS are sufficient as there is no single social needed resources, they did not produce. For the production of resources, PIOT accesses these four spherical classes; SPHERONS are sufficient. As it is logically impossible to add to PIOT resources another resource or to remove any of them, as you cannot increase or decrease the number of SPHERONS. They may not be insufficient or superfluous. Therefore, four SPHERONS are sufficient to ensure the existence of society, its life as a whole and each individual. Necessity and sufficiency of SPHERONS define their social eternity.

Four SPHERONS are coherent (mutually consensual/coordinated, harmonious) to ensure the existence of society, its life as a whole and each individual.

Proof. SPHERONS are inextricably linked, mutually included through the changes people make in them (see below) and are interdependent, both among themselves and with all other fundamental elements of society in certain measure, which determines their social harmony or coherence. SPHERONS cannot exist outside of harmony as the PIOT resources. Harmony or coherence is a mode of social being of SPHERONS, PIOT resources and society in general. Anything out of harmony or coherence of their existence is impossible. SPHERONS are coherent (harmonic), as they may exist and operate (be actors) only within certain limits and permissible boundaries/proportions, both among themselves and with all other social elements. Outside these boundaries and proportions they fall within disharmony, where they begin to break down and die on the measure of intensity of their disharmony. Coherence, harmony is the best, most optimal for all elements, including SPHERONS the state of their wholeness and unity, to which they aspire constantly as the first condition of their existence. This aspiration is natural, i.e. spontaneous law of society as a whole. Therefore, four SPHERONS are coherent or harmonious, to ensure the existence of society, its life as a whole and each individual.

Harmony has many synonyms: commensurability, proportionality, equivalency, consistency, consensus, proportion, balance, coherence, concord, consent and others. Among them, the terms of proportionality, consistency and coherence are preferable. The most preferable scientific term is coherence, which is predominantly used in this book.

Necessity, sufficiency and coherence of SPHERONS determine all their other attributes: natural character, objectivity (independence from mind and will of the people), eternity, universality, integrity, spontaneity, consciousness and others that will unfold gradually below.

May be more visible and therefore more convincing will be a similar proof of necessity, sufficiency and coherence of the four elements – earth, water, air and fire (sun, primarily). The traces of this analogy are scattered in a variety of evidence of ancient philosophers in the first millennium of BC, starting with Thales, Anaximenes, Anaximander, Heraclitus, Pythagoras, Empedocles, Plato, Aristotle, etc. [17]. The human, like all living things, they said, cannot exist without the four elements – earth, water, air and fire (sun). Missing/zero of any of these elements, or suppression of one element eliminates the others, i.e. their disharmony makes life impossible. Indeed, try to imagine life on earth without any of the elements: no sun, no air, no water or no land and you will realize that life is impossible without either of them. Only together and in the

certain measure are they necessary, sufficient and coherent (harmonious) conditions of human life. SPHERONS and the elements are similar. Absence of at least one of the elements (earth, water, air, fire – Sun) makes any organic life impossible; we also cannot imagine a person's life, and thus society, without any of the SPHERONS, only which constantly produce the PIOT resources. Only by working together and in a certain proportion (harmony, coherence), these resources and their generating classes – are necessary and sufficient for social life of a human. People's life is impossible without these resources and the SPHERONS producing them.

4. SPHERONS: Global Social Structure as Start for Global Sociology and Global Social Science

SPHERONS, as the necessary and sufficient classes of any society, constitute its eternal and universal and therefore global, spherical social structure at all levels and in all social formations. The statistical facts illustrating global social structure at the school level and some countries are presented below in a special chapter. This structure, and its constituent SPHERONS, is necessary, sufficient, coherent (harmonious) as the eternal structure of humanity. Its knowledge provides humanity with a fundamentally new perspective of development in its new civilization common to all peoples – a harmonious civilization, excluding war and other social pathologies of industrial civilization that are disclosed in detail below.

Knowledge of global social structure means the emergence of global social science in all its branches and their unity in the holistic cognitive complex. But first and foremost, this structure gives rise to a global sociology, and then the global statistics, demography, economics, history (the first example of a global, spherical approach to history from position of its four spheres/sectors belongs to Fernand Braudel [18]) etc.) This may be equivalent to a scientific revolution and the scientific breakthrough in social cognition, which has lagged from natural scientific knowledge for more than a century due to the dominance of Marxist and similar private scientific approaches to society (see below). A new social science based on SPHERONS harmony can ensure global peace. Traditional social science, as we have seen over the past centuries, was unable to provide it. It could provide only war in the appropriate military science, which arose more than two centuries ago and which is now growing in all countries in military institutes and academies. But many pieces of traditional social science are useful for global peace so they should be preserved and retained in GPS, as illustrated in this book.

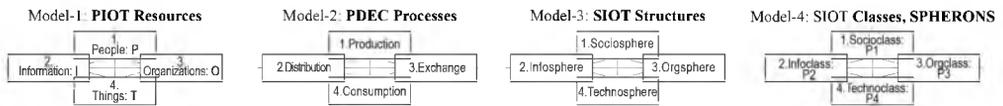
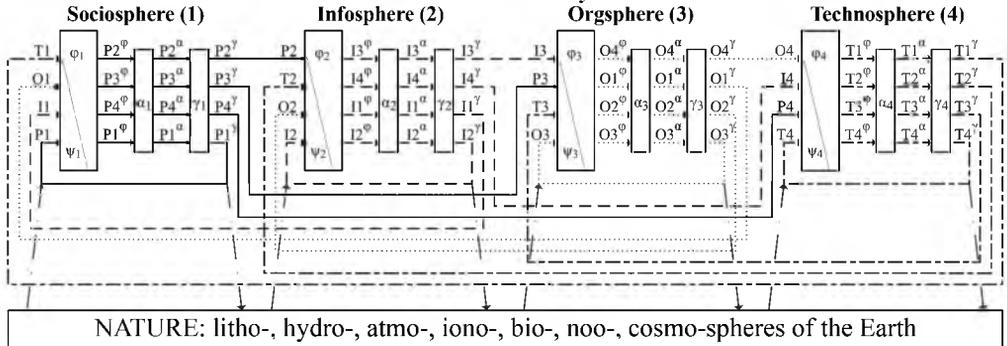
5. SOCIONOME: Synthesis of 16 Elements of Harmony around SPHERONS as their Center

The functions of SPHERONS as actors of social life, harmony and global peace are inseparable: by creating social harmony they create a global peace and vice versa, providing a social life as a whole in any of its functions. SPHERONS as the sole creative resource for all other social resources occupy an active constructive center of all 16 fundamental elements of social harmony. Creating other elements of harmony, they create themselves, and they create themselves in that measure and quality, to whatever they produce for other elements. It is their universal dialectics within the wholeness of SOCIONOME. So SPHERONS are determined and disclosed in it together with other 12 elements of harmony: PIOT resources, PDEC processes and SIOT spheres, which are more detailed in *the ABC of Harmony* with their tetramodels [1, 25–33]. These 16 basic social elements constitute a single and eternal social genome – SOCIONOME. It expresses the constant, unchanging relationship and dialectic of these elements in any society as a whole. SPHERONS as the center of SOCONOME, occupy the first, key place in it in Sphere-1 (Sociosphere). They are presented as the products of this main, priority sphere of society, producing SPHERONS for all spheres of society. The quality of SPHERONS, including peacefulness of their particular groups,

are determined by the quality of the Sociosphere and its resources, including peace science and peace education. When peace science is absent then peace education are minimized or equal to zero and peacefulness of people remains at an intuitive level.

SOCIONOME Scheme:

SOCIONOME: Social Genome of Global Harmony and Global Peace of SPHERONS.



Basic Matrix of Spherical Indices of Resources:

$P = P1 + P2 + P3 + P4$
 $I = I1 + I2 + I3 + I4$
 $O = O1 + O2 + O3 + O4$
 $T = T1 + T2 + T3 + T4$

Indexation:

Production: ϕ (phi)

- ϕ_1 - production of people (human resources)
- ϕ_2 - prod. of information (information resources)
- ϕ_3 - prod. of organizations (organizational resources)
- ϕ_4 - production of things (material resources)

Distribution: α (alpha)

- α_1 - distribution of people
- α_2 - distr. of information
- α_3 - distr. of organizations
- α_4 - distribution of things

Indexation:

Exchange: γ (gamma)

- γ_1 - people exchange
- γ_2 - in formaton exchange
- γ_3 - organization exchange
- γ_4 - things exchange

Consumption: ψ (psi)

- ψ_1 - consumption of sphere-1
- ψ_2 - consumption of sphere-2
- ψ_3 - consumption of sphere-3
- ψ_4 - consumption of sphere-4

More details on SOCIONOME see [1, 38–43] and Video: <http://youtu.be/hbxY5IREOeA>

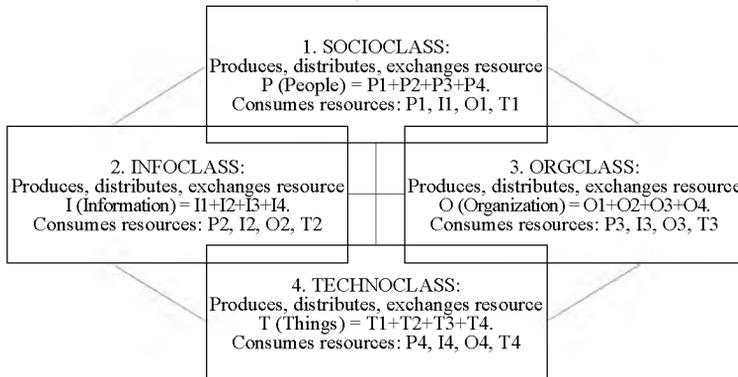
Note. One of the important applications of SOCIONOME is its use as an information, statistical/economic and mathematical simulation model at all levels of society from family and school to the country, continent and the world at large. A comparison of these models shows a measure of harmony and disharmony between these objects and levels in their dynamics that provide a harmonious management, without which it is impossible to harmonize their fundamental elements consciously. Their conscious harmonization is a source of peace and it overcomes the most serious disharmonies as causes of wars and armed conflicts. See below special paragraph in the book about it.

SOCIONOME in another embodiment with the SPHERONS' center is expressed as the next tetra-model:

NATURAL CREATORS OF GLOBAL PEACE ARE

SPHERONS:

SOCIOCLASS, INFOCLASS, ORGCLASS, TECHNOCLASS



SOCIONOME reflects the indissoluble unity of 16 fundamental elements of social harmony, which form a constant (eternal) system of natural conditions of global peace at all levels from the family to the planetary community, the deep system center of which constitute SPHERONS.

The general law of SOCIONOME and every element is its **eternity** (constancy, immutability) as the foundation of any society and at the same time but in other respect its permanent historical and infinite local variability of the specific content in a different social space and time. This is similar to how the human genome is one for all people but it is infinitely different for particular groups of people. This law is named in GPS as the **law of immutability/variability** of its fundamental elements, primarily SPHERONS.

6. Criterion for Differentiation of SPHERONS:

Life Employment and its Topology

SPHERONS as a whole and individuals, which make up them, differ by a criterion of main (on-time) employment in one of the four spheres of society. Employment of people on-time – this is their universal life characteristic from birth to death. All other properties of the people, on which they differ, – labor, property, income, power, education and the like – are its partial manifestations and products.

Life employment as the central philosophical category of Tetrasociology was detailed in many previous works [1; 15; 16; 20] Here we only summarize their conclusions on employment to understand the scientific definition of SPHERONS.

Employment of people is the defining substance of social being in all its parameters. All that existed, exists and will exist in the society is a product and form of employment. It is the source of all social resources, processes, structures, classes and states. (Still A. Smith unfolded in detail the source of the wealth of society is people, their employment and labor [5]).

Employment defines a holistic way of life of people which is qualitatively different from ways of being of other social resources. It expresses the highest productive priority of people as their employment creates, converts and constructs the social world in all its parameters. By volume, it is identical to the category of "life", "life time". But life is inherent in other resources, and employment applies to only humans covering their life from the first to the last moment.

All the life-time of people is employment of production of various social resources, including and above all themselves. It is identical to plurality of human life practices, including individual (production of itself as a resource) and social (production of other resources) employment. Employment is a wider activity as it includes the inactivity – sleep, illness, inactivity and other passivity. It is much broader than labor as to assessing whether the human aspect is inherent and non-labor, consumer, leisure, transport, etc. employment. Employment connects all the components of social diversity in a multi-dimensional wholeness.

Employment as the time of life for people coincides with the social time and defines it. It defines the social and individual time, in which is created, expanded and transformed the social space. Employment is identical to the human resource P (people), which is structured and integrated by SPHERONS. Therefore, employment is identical to SPHERONS and vice versa. Social time (employment time of SPHERONS) creates social space in all its diversity. Therefore SPHERONS are the creators of social space and global peace in it as well as their historical spontaneity (lack of self-awareness, own harmony) which leads some of their parts – separate nations and groups to private wars and armed conflicts in the local social space.

Employment is the same multi-dimensional concept as is the social world, which is created in it. It is identical to it because it is produced from it. Therefore employment can be defined as a continuous social space-time, which has its own topology and requires study in the corresponding topology. Multidimensionality of employment is expressed and studied in its

multidimensional topology, which includes its statics, dynamics, structuratics and occupatics considered in *ABC* [1, 28–33]. GPS is only limited by statics and dynamics.

Within the multidimensional topology of life, employment among its parameters varies its sectors, clusters, types, forms and characteristics in two dimensions: statics and dynamics.

Sectors of employment differ in two levels of employment: 1. Social sector and 2. Individual sector, including family and individual.

Clusters of employment differ in two major subjects of people: 1. "I" as the subject and the product of life employment from birth to death in such processes as eating, sleeping, recreation, diseases, communications, learning, etc., forms a cluster of employment – **self-production or autopoiesis**; 2. Any other, manufacturing (economic) employment usually formally established by the norms of labor activity of society or informally associated with the production of any resource PIOT except "I" – is **labor employment or labor**. (Detailed analysis of labor employment was made by John Maynard Keynes [19]). It is a part of self-production as "seniority (work experience)" or "experience of labor activity" of person. Autopoiesis is defining employment, from the quality of which depends the quality of labor employment. Autopoiesis belongs in the Sociosphere together with the necessary branches of production of people as the main productive force in society that makes this sphere a priority and a first consideration. Sociosphere, for this constant reason, is the main and defining sphere in society, rather than the economic sphere, Technosphere.

Types and spheres of employment differ in subject and product of PIOT resources in the labor cluster, forming a myriad of industry employment, which are grouped into the **spheres of employment** and are expressed below in the tables of spheres and SPHERONS employed in them. This is the main line of construction and development of GPS. Labor employment has a number of well-known classifications: secondary, permanent, part-time, irregular, shadow, conditional and partial employment, which are not considered here.

Forms of employment differ in their value for the individual and society: **useful and harmful**. Under this employment is divided into socially and individually useful, as well as individually and socially harmful. The useful (positive, creative, constructive) is employment creating or preserving PIOT resources and their harmony. The harmful (negative and destructive) employment is breaking PIOT resources and their harmony, or using them without benefit to the individual and society. This includes employment in wars, violence, crime, drugs, terrorism, sabotage, pollution and destruction of the environment, etc., as well as employment in preparation for the war and other destructive activity.

Distinction of useful and harmful employment, to a certain degree, is conditional and relative: the useful for society and the individual may be useful at one time and harmful in other conditions. The useful for society can be harmful to the individual, and vice versa. The useful for one group may be detrimental to others. Here employment conflicts arise. Any employment encompasses the inherent aspects of benefits and harms: all depends on their measure, proportion and priority. To maintain their socially acceptable proportions, to limit or prevent harmful employment stands a **third form of employment** – prophylactic or security employment. It is aimed at prevention (prophylaxis and limitation) of destructive and harmful employment, to ensure the safety of the individual and society. The dangers of destruction and harm exist as much as types of employment. There are many types of security and employment of security. They are divided by spheres and sectors/branches for social and the individual.

Characteristics of employment differ for a variety of properties of its kinds and forms. Among the main characteristics of employment are distinguished primarily: productivity – unproductivity (P/U), efficiency – inefficiency (E/I) and spontaneity/consciousness (S/C). The Multidimensional topology of employment of people and SPHERONS is represented by a corresponding table.

Table. Multidimensional topology of employment of people and SPHERONS

Sectors, Clusters, Types and Forms of Employment	Statics Characteristics: P/U, E/I, S/C	Dynamics Characteristics: P/U, E/I, S/C
Sectors of employment: 1. Social 2. Individual		
Clusters of employment: 1. AUTOPOIESIS 2. LABOUR		
Types of labor employment on branches and spheres		
Forms of employment by value		
Socially-value		
Individually-value		
Socially-harmful		
Individually- harmful		
Socially-preventive		
Individually-preventive		

This table without pretending to be complete, only defines in GPS the basic parameters of SPHERONS and their multidimensional topology of employment, their groups and individuals, as well as linked with these parameters the causes of global peace and sources of private wars. This table prepares definition and tables of spheres and SPHERONS below. The definition of employment of human and its basic on-time spherical type allows us to establish belonging of the human in every period of his life to one of four SPHERONS. This is the appropriate SPHERON'S (class') belonging.

7. Definition of SPHERONS

SPHERONS consist of people employed in different spheres. This is the natural human diversity of SPHERONS and SPHERONS' diversity of people as a spontaneous inner law of society. The person simultaneously belongs to all SPHERONS, as each day he/she is employed in every sphere at least the minimum time passing, usually unconsciously and spontaneously, from one sphere to another, and therefore, from one SPHERON to another. His/her time is divided into two main parts: employment of himself (self-production, autopoiesis) in Sociosphere and labor social employment in all or some spheres. The most part of the person's life is employed in autopoiesis – this is time from birth to labor activity, a daily time to restore one's own strength and skills – sleeping, eating, consumption of other goods, hygiene, recreation, communication, learning, etc., and time after labor activity to death. It is employment in Sociosphere.

At each stage of the labor employment the priority and basic on-time is employment in one of the four spheres of social production, in which he/she is busy the most time and usually trained professionally thereto. His class, **spherical** belonging to one of SPHERONS at each stage, is determined by this criterion. Therefore SPHERONS (spherical classes) are "soft", without the tough economic, juristic and other boundaries that do not prevent them to be the deepest in society and the most important and eternal for its structure. It also does not prevent the individuals simultaneously belong to a few other social groups, differing in property, income, education and many other private stratification criteria. These groups are historically transient and limited, partial in relation to the population and on surface of eternal SPHERONS. Therefore, **SPHERONS (harmonious spherical classes) are the permanent, eternal, extremely large groups of the population, including all people without exception, differing in the main on-**

time employment in one of the four spheres of society. This is the SPHERONS scientific definition from *the ABC of Harmony*, which is reproduced in GPS.

8. Tables of SPHERONS in Statics

The detailed content and concrete social filling of SPHERONS can only be understood in conjunction with structure of the spheres in which these spherical classes are employed. In accordance with the law of immutability/variability, each sphere and every SPHERON has infinitely varied historical expression and spatial content in different countries and centuries. GPS limits this diversity for the time since the 20th century and only four very different countries to start: India, Kazakhstan, Russia and the USA (see below for the Program of statistical study of SPHERONS dynamics in these countries for decades: 1950 - 2010).

This endless variety requires a **common denominator** to ensure comparability of SPHERONS and spheres of different countries as well as in one country but in different historical times. Only this will provide them with a single scientific knowledge and understanding. The common cognitive denominator, providing compatibility of SPHERONS and spheres in different dimensions is seen in the **tables** of the branches' structure of spheres and employed in these branches the groups of people according to statistical indicators/indices. The first such tables were compiled back in 1981–1992 [1] and then revised and published in 2002 in the book *"Tetrasociology: Responses to Challenges"* in more detail [16]. This is a most complex and laborious classification and technical work. We reproduce these tables here to reveal in the basic details with reductions and refinements.

The structure of SPHERONS Tables (spherical tables) in statics is simple as the following.

First, in the tables two main levels of the spheres are expressed: 1. Level of labor employment of people in the branches – "Social Sector", and 2. Individual employment level of people in the family and self-production – "Individual sector."

Second, in the tables are two columns, which express such parameters of spheres and SPHERONS as: 1. Subjects/Products, 2. SPHERONS Resources.

The subjects and products of spheres, which are both subjects and products of SPHERONS' employment, serve criterion of belonging of any branch to the relevant sphere and the employed in it – to the corresponding SPHERON. Insofar as the spheres produce their products on principle as "similar from similar" (this principle was formulated by ancient thinkers), as their subjects and products are the same and coincide. They differ only in quantity and quality. For example, the subjects and the products of Technosphere are things, but things – products – differ from things-subjects (raw materials) by quantity and quality.

The resources express necessary toolkits of each of the SPHERONS to produce spherical products from subjects through them. Continuity of SIOT spheres and the SPHERONS employed in them is that product "outputs" of them are the resource "inputs" of others, without which spheres and SPHERONS cannot exist: it is clearly expressed in the SOCIONOME Scheme.

TABLE-1. Statics of SPHERON-1, Socioclass or P I

SOCIOSPHERE / SOCIAL SECTOR, Branches	Subjects / Products: P = P1 + P2 + P3 + P4	SPHERON-1, P1, Socioclass, Employed in Sociosphere	Resources 11, O1, T1 for SPHERON-1
Education	People (P)	Teachers, etc.	
Health	People (P)	Doctors, etc.	
Sport, Tourism	People (P)	Coaches, etc.	
Social Care	People (P)	Social workers	

Other (Church, Philanthropy, Trade Unions, etc.)	People (P)	Priests, Philanthropists, Trade unionists, Rescuers, etc.	
INDIVIDUAL SECTOR			
Family, family employment	Family (P)	Non-laboring parents, children, family members	
Individual, individual employment = autopoiesis	Individual (P)	Non-laboring individuals	

Notes to the table.

1. People/population (P) is the product of Sociosphere. People/population is produced for four spheres, therefore $P = P1 + P2 + P3 + P4$, where:

P1 – is employed in Sociosphere; P1 constitutes SFERON-1 or SOCIOCLASS,

P2 – is employed in Infosphere; P2 constitutes SFERON-2 or INFOCLASS;

P3 – is employed in Orgosphere; P3 constitutes SFERON-3 or ORGCLASS;

P4 – is employed in Technosphere; P4 constitutes SFERON-4 or TECHNOCLASS.

2. The employed in Sociosphere (P1), i.e. SFERON-1 consists of two parts: the professionals working in social sector of this sphere (P1w) and all non-working (P1n) employed in the individual sector with self-production (pre-school children, students, housewives, non-working pensioners, disabled unemployed, etc.) and in the households. Therefore, the number of SPHERON-1 is the sum of employed in all sectors of this sphere: $P1 = P1w + P1n$.

3. To every SPHERONS a socially useful labor corresponds: P1w are employed by humanitarian labor, P2 – information labor, P3 – organizational labor, P4 – material labor.

TABLE-2. Statics of SPHERON-2. Infoclass or P2

INFOSPHERE / SOCIAL SECTOR, Branches	Subjects / Products: $I = I1 + I2 + I3 + I4$	SPHERON-2, P2, Infoclass, Employed in Infosphere	Resources I2, O2, T2 for SPHERON-2
Culture	Information (I)	Cultural workers, etc.	
Science	Information (I)	Scientists, etc.	
Art	Information (I)	Artists, etc.	
Media, publishing and advertising	Information (I)	Journalists, Publishers, Advertisers, etc.	
Designing	Information (I)	Designers, etc.	
Communication	Information (I)	Communicators, etc.	
Information service	Information (I)	Programmers, etc.	
INDIVIDUAL SECTOR	Information (I)		
Family, informational employment	Information (I)	Non-laboring parents, children, family members	
Individual, informational employment	Information (I)	Non-laboring individuals	

Notes to the table.

1. Information (I) is the product of Infosphere. Information is produced for four spheres, therefore: $I = I1 + I2 + I3 + I4$, where

- I1 – Humanitarian information of SPHERON-1. I1 is required for it to produce people;
 I2 – informational of SPHERON-2. I2 is required for it to produce information;
 I3 – organizational information of SPHERONS-3. I3 is required for it to produce organizations;
 I4 – technical information of SPHERONS-4. I4 is needed for it to produce things, material wealth.
 These clusters of information constitute the spheres of information or informational spheres of each SPHERON.
 2. The number of SPHERON-2 is the sum of employed in all sectors of this sphere.

TABLE-3. Statics of SPHERON-3. Orgclass or P3

ORGSPIHERE / SOCIAL SECTOR, Branches	Subjects / Products: O = O1 + O2 + O3 + O4	SPHERON-3, P3, Orgclass, Employed in Orgsphere	Resources I3, O3, T3 for SPHERON-3
Policy	Organization (O)	Political figures, etc.	
Right	Organization (O)	Lawyers, etc.	
Army and security	Organization (O)	Military, policemen, etc.	
Tax Inspectorate	Organization (O)	Tax officials	
Governance	Organization (O)	Managers, etc.	
Banking and Finance	Organization (O)	Bankers, Financiers, etc.	
Non-governmental organizations	Organization (O)	Relevant workers	
INDIVIDUAL SECTOR	Organization (O)		
Family, organizational employment	Organization (O)	Non-laboring parents, children, family members	
Individual, organizational employment	Organization (O)	Non-laboring individuals	

Notes to the table.

1. Organization (institutes, order, norms) (O) is the product of Orgsphere. Organization is produced for four spheres, therefore: $O = O1 + O2 + O3 + O4$, where:

O1 – humanitarian organizations (schools, hospitals, etc.) of SPHERON-1. O1 is necessary for it to produce people;

O2 – informational organizations of SPHERON-2. O2 is required for it to produce information;

O3 – administrative organizations of SPHERON-3. O3 is required for it to produce organizations;

O4 – technical (economic) organizations of SPHERON-4. O4 is needed for it to produce things.

These clusters of organizations constitute the spheres of organizations or organizational spheres of each SPHERON. Each cluster organizations combine 4 types of organizations: political, legal, financial, management. To every sphere of society and each SPHERON corresponds its own organizational area of politics, law, finance, and management. Each SPHERON has his own money as an organizational tool of its sphere: social, informational, administrative and economic money, which was unfolded in details by Juri Vasilchuk [21].

2. The number of SPHERON-3 is the sum of employed in all sectors of this sphere.

TABLE-4. Statics of SPHERON-4, Technoclass or P4

TECHNOSPHERE / SOCIAL SECTOR, Branches	Subjects / Products: T = T1 + T2 + T3 + T4	SPHERON-4, P4, Technoclass, Employed in Technosphere	Resources I4, O4, T4 for SPHERON-4
Industry	Things (T)	Workers	
Agriculture and forestry	Things (T)	Farmers, foresters	
Construction	Things (T)	Builders	
Transportation	Things (T)	Transporters	
Trade, marketing	Things (T)	Traders, etc.	
Housing and household services	Things (T)	Workers, repairmen, etc.	
Fish industry	Things (T)	Fishermen	
Conservation of nature	Things (T)	Environmentalists etc.	
INDIVIDUAL SECTOR	Things (T)		
Family, material employment	Things (T)	Non-laboring parents, children, family members	
Individual, material employment	Things (T)	Non-laboring individuals	

Notes to the table.

1. Things (T) are the product of Technosphere. Things are produced for four spheres, therefore: $T = T1 + T2 + T3 + T4$, where:

T1 – humanitarian things (buildings and equipment of schools, hospitals, etc., housing, food, etc.) for SPHERON-1. T1 is required for it to produce people;

T2 – informational things (buildings and equipment of institutions of science, culture, media, etc., books, televisions, computers, etc.) for SPHERON-2. T2 is required for it to produce information;

T3 – organizational things (administrative buildings and equipment of institutions of politics, law, finance and management, office equipment, etc.) for SPHERON-3. T3 is required for it to produce organizations;

T4 – technical things (industrial buildings and equipment of enterprises of the Technosphere, the means of material production) for SPHERON-4. T4 is required for it to produce things. These clusters make things realm of things, the economy or economic spheres (physical environment) each SPHERONS.

2. The number of SPHERON-4 is the sum of employed in all sectors of this sphere.

The SPHERONS compiled static tables, their employment and their spherical resources together with their statistical proof below well illustrate the absolute, indubitable reality and eligibility of SPHERONS. These tables allow you to determine, at their development, many other qualities of SPHERONS which are extremely important to ensure conscious global peace and prevent wars and armed conflicts between some private (national, religious, etc.) elements of their groups. These qualities include the standard of living of SPHERONS, level of their ownership, education, scientific level, level of accessibility and participation in the distribution of power and financial resources, etc. They will be partially unfolded in chapters below.

Modern social science, still not knowing the spherical division of the population (i.e. SPHERONS) naturally is unable to equip people with such information to provide conscious global peace. The science of global peace (GPS) disclosed in this textbook is intended to overcome these scientific gaps. The empirical, statistical evidence of SPHERONS and their key social attributes is presented in the book’s special chapter below. Naturally, the scientific picture

of SPHERONS in each country and the world can and will be supplemented in the future by a picture of their dynamics, for example as for 60 years (since 1950) or 110 years (since 1900) and a comparison of these paintings. But this requires colossal labor input for the scientific task of further development of GPS in special scientific institutions proposed below.

9. Knowledge of Spheres and SPHERONS: Scientific Revolution of Thinking

The tables presented a new level of social knowledge, consciousness and thinking. This is associated with a new quality and scale of subjects of social thinking and consciousness. Traditional, industrial and predominantly militaristic thinking operates with the concepts of branches, which are the parts of spheres, as well as the concepts of private groups and classes of people employed in these branches, which are the parts of SPHERONS. In GPS these private branch groups received the name of PARTONS (see below). The numerous branches of activity and (employed in them) the diverse professional groups, with rare exceptions, which are temporary, historically transient and geographically limited. A comparison of the key characteristics of spheres and SPHERONS employed in them with branches and PARTONS employed in them is documented in the following table:

Table. Comparison of Spheres / SPHERONS and Branches / PARTONS

CHARACTERISTICS	Branches / PARTONS	Spheres / SPHERONS
1. Definitions	Branches are any social activities with any social or natural subjects. Branches are parts of spheres. PARTON is any particular group of people employed in any branch. PARTONS are parts of SPHERONS.	Spheres are extremely large, eternal, necessary and sufficient areas of social activities, varying in subject PIOT. Spheres consist of branches. SPHERON is very large part of the population employed in one of spheres of society producing one of PIOT resources. SPHERONS are consisting of PARTONS.
2. Time	They are temporary, historically transient, with a few exceptions	They are eternal as society itself, enduring, historically constant, no exceptions
3. Space	They are limited in localized closed favorable space, with rare exceptions	They are globally ubiquitous, inherent to all habitats of social resettlement
4. By number	By number they are numerous almost endless on diversity in space and time	They are quantitatively limited: four spheres and four SPHERONS but capable include multiple, almost endless branches and PARTONS
5. Necessity	They are deprived the status of social need; society can exist without any of them with a few exceptions	They are social needed as the absence of at least one of them makes impossible the existence of society

6. Sufficiency	They are deprived the status of social sufficiency for rare exception	They are sufficient that do not require any additions or exceptions
7. Coherence (harmony)	Dependence of society harmony from harmony of branches and PARTONS is weak, insignificant and indirect	Dependence of society harmony from harmony of spheres and SPHERONS is strong, direct and immediate at any level
8. As subjects of thinking and consciousness	Consciousness and thinking by branches and Partons are traditional, industrial, disharmonious and militaristic mostly unable to rise and know global peace and society as a whole	Consciousness and thinking by spheres and SPHERONS are an innovative, scientifically revolutionary, harmonious and peaceful by nature and definition, able to know global peace and society as a whole from harmony of spheres and SPHERONS

Knowledge, consciousness and thinking of the spheres and SPHERONS employed in them received in *the ABC of Harmony* name: **four-dimensional, harmonious network thinking** which is abbreviated **Tetranet thinking** [1]. Thinking of the branches and PARTONS employed in them has been called the branch or industrial thinking. The analyzed qualities of each and compared between them show that global peace is attainable at the universal thinking level of spheres and SPHERONS instead of the private level of branches and their groups. Global peace demands a new level of thinking. It is unreachable at the private, branch level. A table comparing these two types of thinking proves the old idea of Albert Einstein: "*The problems are unsolvable at the level of thinking at which they arose.*" The problem of **conscious** global peace arose in industrial civilization. This problem is unsolvable within the level of industrial thinking, even peacemaking, which is powerless to solve which became evident over more than a century of its history, which is briefly analyzed below.

Another essential element of the scientific revolution of peace thinking is the inclusion of harmony in it that is very important to understand peace causes and sources from harmony. Harmonious aspect of the scientific revolution opened and defined the Prince of Wales in his book *Harmony* (2010) [22]. Joining in thinking, consciousness and knowledge spheres and harmony, and thinking of the spheres of harmony, constitute an innovative, scientific revolution of social thinking as a whole, a scientific breakthrough in the social sciences in general, including knowledge and thinking of global peace in GPS. Only from the standpoint of Tetranet (spherical and harmonious) thinking can the human open the causes, sources, guarantees and actors of global peace, as well as its other properties and conditions. The scale things are visible from the tops of knowledge and thinking.

10. SPHERONS: Cause, Source, Guarantee and Actors of Global Peace

Theoretical deployment of SPHERONS, their qualities and their key role in society inevitably leads to the scientific conclusion that SPHERONS are the ultimate cause, natural source, eternal guarantee and absolute actors of global peace in the world scale of human natural history on the Earth. SPHERONS are logical beginning and practical end of GPS, the entire content of which is a proof of this conclusion through the details of universal creativity of SPHERONS, creating all social PIOT resources in all SIOT spheres in peace and for peace. SPHERONS covering all people without exception, express the life of society and every person

not in part but in a whole, in which war, armed conflicts and other disharmonies are only temporary and local deviations of some PARTONS from harmonious norm.

The universal harmonious nature of SPHERONS provides a powerful deep potential of natural global peace, which cannot overcome any one militaristic group, nation, empire or civilization in human history. The indestructible potential of global peace of SPHERONS was manifested in history in two ways.

First, all militaristic groups, nations, empires and civilizations, without exception as powerful and warlike they were not, ultimately, perished ingloriously in their war with peace, proving the utter meaninglessness of war in human society. **This is the first law of global peace of SPHERONS: any militaristic group, nation, empire or civilization is inevitably doomed on death in its opposition to peace.**

Second, the disparate superiority of natural global peace of SPHERONS absolutely excludes any possibility from human history a truly global "war all against all": they never existed in the history of mankind, and never will. **This is the second law of global peace of SPHERONS: a possibility of total "war all against all" in human society on Earth and elsewhere is absolutely excluded by peace nature of SPHERONS and their disparate potential of global peace.** The guarantors of this law are SPHERONS, which constitute the peace social nature of human and exclude its militaristic interpretation that was defined by Thomas Hobbes as "*war of all against all*" (this question is specifically analyzed in a separate chapter below). SPHERONS make a person in principle a peaceful social creature with unconscious but firm intuitive advantage and priority given to peaceful relations with other people. The military and aggressive attitude to which is estimated into individual and social consciousness, i.e. in all of human culture as a killing pathology unlike the peaceful norm. It is written down by commandment "not kill" in all religions.

The resolute margin of strength for global peace is ensured by universal qualities of SPHERONS: eternity, necessity, sufficiency and coherence. Neither wars of the past were unable to shake this margin of strength. Any fantastic weapon and no militarist forces which hold them, if they care about their own lives and they do not tend to suicide, are unable to destroy it. If there are fantastic weapon capable of destroying the Earth and humanity in a few minutes. There is a theoretical possibility of similar scenario along with the self-destruction of similar groups. But it will not be a global war of SPHERONS, for this is excluded in principle. It will be conscious and pathological self-destruction of the Earth and humanity by crazed suicide group, who have seized upon in any way to create this fantastic lethal weapon. But this is an infinitesimal possibility (theoretically not equal to zero) in comparison with an endless margin of strength of SPHERONS' global peace.

11. SPHERONS: Spontaneity and Consciousness of Global Peace

SPHERONS exist as spontaneous, natural and intuitive social power and energy as long as they do not possess the scientific knowledge of their structure, characteristics and laws, and until they learn to consciously use their dignities and advantages. It is known well that the conscious, scientific use of the laws of nature raised human from animal to homo sapiens, from savagery and barbarism to civilization. There is no doubt that the conscious, scientific use of the laws of social nature of SPHERONS has raised humanity from fragmented and warring military local civilizations, religions, cultures and nation-states to a single global harmonious civilization without war. This civilization of SPHERONS, knowing deep laws of social harmony, consciously builds, keeps and develops global peace excluding war in the bud.

Like any new civilization of mankind, the harmonious peace civilization of SPHERONS occurs in connection with the discovery, distribution and general use of new knowledge, in this case in connection with the Global Peace Science (GPS), which was first presented in this book.

This scientific knowledge is a turning point in the history of SPHERONS from their spontaneous/natural position and quality to their conscious state and quality. In this scientific knowledge SPHERONS first self-identify themselves and recognize themselves in the fullness of objective attributes and advantages, transforming humanity in an entirely new, peaceful historical community of people, which opens a fundamentally new era without wars and armed conflicts.

These characteristics of SPHERONS define two main forms of global peace: a conscious and spontaneous. All previous human history until 2014 – is the history of spontaneous global peace with an almost continuous row of local wars of all sizes from small armed conflicts to the so-called world wars, covering a dozen countries. All subsequent history, starting 2014, since the creation of GPS, is the history of conscious global peace with many and many of its steps and stages. The first of them, as the initial steps of humanity on the construction of global peace will be discussed in general form below in a special section dedicated to global peace architecture.

The scientific awareness of SPHERONS not weakens but greatly enhances their natural, spontaneous social harmony and global peacemaking energy, lifting them of the darkness of ignorance to the light of clear understanding and rational systematic use. This immeasurably strengthens and raises the value of conscious global peace over its spontaneous and intuitive being, transforming it into a reliable general method of peace coexistence of all nations on the planet forever.

SPHERONS' consciousness began with the Age of Harmonious Enlightenment, which started with the establishment on February 15, 2005 of the Global Harmony Association (GHA), together with the opening of its website "Peace from Harmony" (<http://peacefromharmony.org>), which began to publish the books, articles and projects of GHA dedicated to global harmony, peace from harmony, spherical classes (SPHERONS) as its actors, etc. The number of visits to this website has reached 5 million, on the order of 3–5 thousand visits every day now. The official opening of the Age of Harmonious Enlightenment is connected with the publication in Russian and English of the GHA's two program books: 1. In 2009 *Harmonious Civilization* by 119 coauthors from 34 countries [23]; and especially 2. In 2012 *The ABCs of Harmony for World Peace* by 76 coauthors from 26 countries [1], presentation of which was organized on the International Conference of Teachers in New Delhi on February 11, 2012 (http://peacefromharmony.org/?cat=ru_c&key=540) in Gandhi IASE University. The evolution of Harmonious Enlightenment is presented in more detail below in the review of the site, its 7 books and 50 projects of harmony which were created in GHA for its 10 years of its life.

Of course, the activity of one small international organization during 10 years with the mission of conscious scientific development of vision for harmonious civilization of SPHERONS is only the prelude for a new large historical path of evolution of consciousness of a new era with a new social science and new institutes and academies of its development, the first outline of which is presented below.

12. SPHERONS, PARTONS and Historical Types of Classes

For over four thousand years the different practitioners and theorists were allocated different classes, estates, and castes as **the private groups of people, which we unite in one concept – PARTON. PARTONS are the private and variable parts of the universal and permanent SPHERONS.** History is replete with examples of classification or stratification of people, i.e. their division into classes, PARTONS on different particular grounds and indications. We can distinguish at least five major grounds/indications of separation of people on PARTONS: spiritual order, property (wealth), soul qualities, power and employment. The major historical types of classes are logically summarized in the following chronological table (a refinement and development of similar table in 2003 [24]).

Table Private Classes, PARTONS in History and SPHERONS

AUTHOR or THEORY	TIME	PLACE	CLASSES, PARTONS	GROUNDS
Hinduism Religion	Since the 17 th century. BC	India	Four castes/varnas: Brahmins (priests), Kshatriyas (warriors), Vaishyas (merchants, ranchers and farmers) and Shudras (servants and laborers) + Harijans (untouchables) outside the castes	Spiritual order
Numa Pompilius – the second Roman king	8. BC	Rome	Three classes: artisans, farmers and tradesmen	Employment in the branches
Theseus, king, Athenian state beginning	8. BC	Athens	Three classes: Eupatridae – aristocracy, Geomori – farmers and Demiurgi – craftsmen	Employment in the branches
Solon, elected the first archon in 594 BC	6. BC	Athens	Four classes-categories by the number of produced medimns of grains	Property (wealth)
Servius Tullius, penultimate king	6. BC	Rome	Six classes-categories on cost of ownership	Property (wealth)
Plato	427–347 BC	Athens	Three estates: philosophers, warriors, workers + slaves, outside the estates	Soul qualities
Aristotle	384–322 BC	Athens	Three classes: rich, middle, poor	Property (wealth)
Marx	1818–1883	Germany	Two main classes: exploiters and exploited	Property (wealth)
Pareto	1848–1923	Italy	Two main classes: upper and lower	Soul qualities
Mosca	1858–1941	Italy	Two main classes: controlled (majority) and political, ruling class, elite	Power
Theory of stratification (M. Weber, P. Sorokin, L. Uorner and others)	Since end of XIX century	Europe, USA	Three main classes: upper, middle, lower (working)	Property and income (+ sometimes prestige, power, etc.)
Tetrasociology and GHA	1976, 2005	Russia, West and East	Four spherical classes, SPHERONS: Socioclass, Infoclass, Orgclass, Technoecoclass. They differ on employment in spheres rather than in branches, so they are fundamentally different nature than PARTONS, employment in branches.	Employment in the spheres

This table shows the variety of classes in history and the variety of theories and bases of their allocation. Each historical epoch distinguishes their classes, castes, and estates as PARTONS, which are historical forms of spheral classes, or SPHERONS constituting their deep and abiding structure. Historical forms of classes, due to the limited and one-sidedness of their bases (branches, soul, property, power, etc.) distort the harmonious essence of SPHERONS and often became actors of disharmony, inequality, antagonism, war and violence. All classes presented in the table, except for classes of allocated by Numa Pompilius, were active participants and initiators of wars. Numa Pompilius only was able to provide Roman classes (the Roman people) peace during 43 years (see separate article about Numa Pompilius below).

SPHERONS, which combine particular types of employment in universal employment, become the need of a new, harmonious society and a new era of globalization. These classes, as well as a new society, are more dynamic and open, even, in some sense, a "virtual". But basic necessity of modernity in SPHERONS, more precisely, is in their discovery, dictated by the need to harmonize the development of spheres on all continents and in all countries to jointly solve growing global problems and challenges. They can be solved only on the path of social harmony which consciously can go only SPHERONS.

SPHERONS are not new in the real social world and its history except for our limited sociological knowledge about them. The social world is not fully known to people for a much greater extent than the natural world because the first is immeasurably more difficult than second. In addition, social science lagged behind the natural and engineering sciences for more than a century because of the dominance of Marxist ideology in the last century with its primitive notion of classes. This primitivism inherited liberalism as an ideological heir of economic Marxism at all its aspects, unlike its ancestor. The social world requires accelerated development and qualitative renewal of the social sciences, as well as much more complex and subtle theoretical methods of scientific knowledge of bringing people together. Humanity is only now coming to the level of social science, with positions of which become visible and distinguishable SPHERONS as the deepest foundation of social world.

Until now, they exist as the spontaneous forces unknown to the social sciences and hidden away in the dark depths of the social. On the visible, accessible traditional sociology, surface of social world they act in the form of either stratification or branch's classes of industrial society. They are the classes of inequality differing in inherently unequal and private grounds of wealth or property. Therefore, these classes are today the actors of disharmony, uneven development, social selfishness, mutual alienation, branch's restrictions, antagonism, war, violence, etc. SPHERONS, by contrast, are classes of equality, distinguishing people not by the private base of wealth and universal criterion of employment. Therefore, they are actors of social harmony, equitable development, social partnership, spheral universality, oneness of all nations, their solidarity, peace, non-violence, etc. The branch's classes, PARTONS are seen as some private and distorted case of SPHERONS retaining their undiscovered secret.

Why do SPHERONS still remain spontaneous and unknown? Because, first, in an undeveloped, branch and one-dimensional industrial society, there is too little attention given social need in knowledge and use of universal and harmonious actors. It can live without them and knowledge about them. Secondly, there was no appropriate social theory and thought capable of seeing and knowing their deep and holistic harmony. As a wild man is not needed, and therefore an unknown car, so humanity at its stage of branch's development is not needed, and therefore unknown as SPHERONS. Due to the uneven and one-sided development of mankind, in it is always dominated one or another private class of a mainly economic sphere. Social necessity of these classes was to keep its economic and political domination by all means, the most effective of which is violence. Therefore, the private classes were needed only in theories

of class struggle and dictatorship, as in Marxism. The efforts of their ideologists could only create theories of class struggle and dictatorship and military violence.

The new harmonious society and era of globalization begets a new awareness of new social problems and needs. They require SPHERONS with new social needs and abilities to solve global problems. There is a social need for them as actors of a new era with the appropriate objectives, forces and means. SPHERONS are able to give theoretical and practical responses to the challenges of modernity. They know how they can be transformed from spontaneous and passive "class in itself" in the active and conscious "class for itself." They create the necessary theory and universal values focused not on the property/wealth but on social harmony that embodies peace, justice, freedom and equality. Moreover, the question they pose is not in the plane of the antagonistic alternative: "harmony or property", which led to a new round of war and violence, and in the plane of the reorientation of their priorities to ensure their complementarity, cooperation and continuity of humanist cultural tradition.

This process leads to the appearance on the historical scene of SPHERONS as new and harmonious actors. Parallel to this process is an effort to expand and deepen the process of recognition of the community of SPHERONS. This community creates "spherical harmonious identity." Awareness of spherical identity has just begun and lags behind the development of SPHERONS. Transition from awareness of branch's identity to awareness of spherical identity of the population is a necessary condition for the formation of SPHERONS as conscious actors. Without the awareness of their harmonious identity they are impossible as conscious actors who understand themselves, their mission, strategies, tools and technologies, primarily for global peace. In this harmonious direction they transform consciousness and practice of PARTONS as their organic parts, eliminating the causes of war between them, and minimizing conflicts between them.

13. SPHERONS, PARTONS and Causes of War

The conscious SPHERONS of future history define conscious global peace for very different nations and social groups (PARTONS) in all their diversity and in all situations. This opportunity for them opens universal scientific knowledge of global peace represented in GPS. SPHERONS by definition and in their objective position in society cannot be the cause of war, neither spontaneously nor especially consciously. The causes of wars between them are eliminated by their key position in the social harmony thanks to which they exist, and their fundamental attributes: necessity, sufficiency and employment equally inherent in all of them.

The spontaneous SPHERONS of past history determine spontaneous global peace as its ultimate cause but do not provide it consistently and for all peoples and groups because of ignorance regarding laws of global peace and the inability to peacefully solve social problems and conflicts. The antagonistic, conflicting among themselves private historical (temporary) classes and groups, PARTONS, exist on the surface of SPHERONS. For example, like Marxist economic classes in a state of the class struggle accompanied by numerous wars. The cause of all wars is not SPHERONS and partial contradictions of partial PARTONS, unable to peacefully resolve the rising between them disharmonies of property, income, power and other. Such disharmony dominates in all past civilizations, especially in an industrial civilization, defining its military character and neutralizing spontaneous harmony of SPHERONS in some time and in some countries and regions.

Therefore, an **objective source and cause of wars is different social disharmonies** between private historical and local PARTONS (groups, nations, ethnoes and classes) on different subjects, qualities and criteria, which distinguish them. Only some of PARTONS on employment and the middle position (the middle classes) can bring peace to a very limited social space and time of favorable conditions.

One of the best examples of modern disharmony may be *conflicts which* reached the armed clashes and led to many victims within the so-called Arab Spring or Arab revolution – a global wave of protests and hatred that began in Tunisia in 2011. The sociologists who studied this process concluded that its heart and core is "social inequality." According to them, the result of neoliberal globalization became "*adverse consequences for many people while at the same time it created vast wealth concentrated in the hands of a small minority.*" This led to a "*new international cycle of contention fighting against social and economic inequality*" [25]. In this, as in all such cases, social and economic inequality of Partons: the poor majority and rich minority as obvious social disharmony and pathology became the cause of armed conflicts and mass protests. A similar situation occurred in the Ukraine in February of 2014.

Disharmony of PARTONS is the ultimate cause of all wars, armed conflicts and mass protests, for which they are directly responsible, along with their leaders and governments, which headed one of the warring PARTONS, usually on the side of the rich ruling minority. Wars are usually needed and begun by the ruling elite governments and not the people. The **spontaneous** SPHERONS are not able to control and promote harmony of PARTONS as their parts and they are powerless to ensure their peacefulness. Therefore SPHERONS may be seen as indirectly responsible for the violence of PARTONS but only indirectly, as they cannot be causes and sources of wars, armed conflicts and mass protests.

PARTONS dominate in all disharmonious past civilizations. Consequences of their domination in every sphere are oppression and violence of other spheres and classes in the following forms:

1. Economic violence (oppression and exploitation), which is carried out by economically dominant classes/nations and apply not only to other spheres but also in nature. Economic violence is a priority in industrialism/economism. It manifests itself in continuous competition and trade wars often escalating into hot war.

2. Political and financial violence, which are inseparable and they are implemented by the financially and politically dominant classes/nations. These are manifest in continuous political and financial wars, violent revolutions and wars between states.

3. Information (cultural, linguistic, etc.) violence, which is implemented by the information dominant classes/nations and manifested in continuous information and ideological wars.

4. Social (humanitarian) violence, which is implemented by socially dominant classes/nations and which manifests itself as religious, gender, intergenerational, between nations, etc. conflicts and wars an extreme form of which is genocide – the physical destruction of a nation or another large group. These facts are evaluated as a crime against humanity.

These wars are accompanied by the use of weapons, crises and degradation which ultimately lead to the destruction of the whole – a separate state or civilization. Suppression of partial classes in other spheres and classes, i.e. society in general, violence and war in it – is the first sign of a typical social pathology and disharmony. It is also a manifestation of ignorance of social harmony (coherence) of spheres and SPHERONS. All forms of PARTONS' violence over the whole as a whole over the parts are excluded by **conscious** SPHERONS, which are able to establish scientifically acceptable for all parts the corridors of social harmony to prevent all wars and conflicts between them.

14. Cognitive Levels of SPHERONS and GPS: Philosophy, Sociology, Statistics and Mathematics

GPS, as was shown in the first approximation above, is general scientific methodology to know peace and war, more precisely, the methodology of building peace and methodology of eradicating war. The center of this methodology is SPHERONS, harmonious spherical classes of the population owning the GPS science, i.e. science of building peace and eradication of war. The capabilities and effectiveness of social mission of SPHERONS in building peace and eradicating war depend primarily upon the degree and depth of their self-knowledge in the GPS.

Simply put, from the depth and solidity of this science, the central subject which constitutes SPHERONS. Complexity, multidimensionality and multilevel profile of SPHERONS and global peace require adequate complexity of their knowledge and its methodology.

The integral character of SPHERONS and global peace as a result of their activities requires using the whole spectrum of social knowledge and the entire set of social sciences, which is located on their evolutionary ladder between the four largest and most fundamental steps:

1. Philosophy of SPHERONS and global peace,
2. Sociology of SPHERONS and global peace,
3. Statistics of SPHERONS and global peace,
4. Mathematics of SPHERONS and global peace.

Other branches of the social sciences: demography, economics, political science, law science, cultural studies, ecology, and the like, putting SPHERONS and global peace in the center of its scientific research, are located between these four stages. They are also closely interconnected as closely linked together in a single system their fundamental subjects presented in SOCIONOME.

Philosophy of SPHERONS is defined in the issues of their objective existence, their necessity, sufficiency and coherence of their peace nature, etc., which are considered in part above and further will be discussed below. These questions open two new interconnected branches of philosophical knowledge: 1. Philosophy of SPHERONS and 2. Philosophy of global peace.

The global sociology of SPHERONS is defined in the issues of their central place in society as its social structure and as social actors, including global peace. The questions of sociology of SPHERONS was discussed above and will be discussed further below. These questions open two new interconnected branches of sociological knowledge of global level: 1. Sociology of SPHERONS, which found development in Tetrasociology, and 2. Sociology of global peace.

The global statistics of SPHERONS is defines in the issues of quantitative account of these objective social subjects in national statistics and their integration into the spheral, global statistical indices which form from global statistics. The questions of this statistic was discussed above, and concrete statistical examples of SPHERONS from different countries and at different levels, as well as their statistical studies will be presented below in the second chapter. These questions open two new interconnected branches of statistical knowledge of global level: 1. Statistics of SPHERONS and 2. Statistics of global peace.

Mathematics of SPHERONS is defined in the issues of mathematical computation of optimal harmonious proportions of the various fundamental resources and elements of global peace for different levels and situations on the base of the model SOCIONOME. The elementary, arithmetic but fundamental quantitative approach to these proportions is the mathematics of harmony based on the golden section, which was developed Alexey Stakhov about 20 years ago successfully [26]. But the arithmetic of harmony requires additional algebra of harmony, called Tetramathematics of spheres and SPHERONS. The problems and questions of this mathematics are widely considered in *the ABC of Harmony* [1, 51–56], so they are not repeated in this book. These questions open two new interconnected branches of mathematical knowledge of global level: 1. Mathematics of SPHERONS and 2. Mathematics of global peace.

The formation of new branches of social science illustrates an innovative role of GPS in the development of traditional social knowledge and its transformation into a global knowledge. These cognitive levels, as well as many intermediate social sciences will be touched in the following chapters and sections of this book as they are needed for the disclosure of different qualities and functions of SPHERONS.

15. SPHERONS:

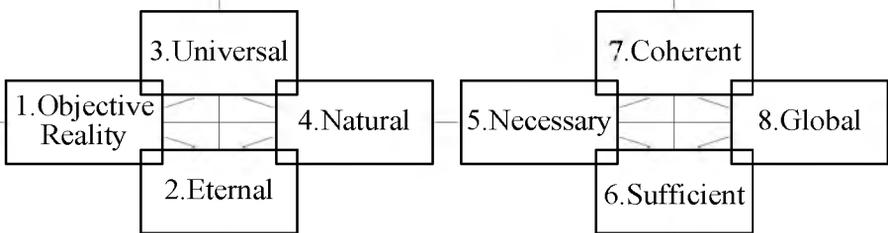
Network Tetramodel of Theoretical Definitions of Attributes

The completion of theoretical analysis of SPHERONS in the first Chapter of GPS is a generalizing tetramodel with full list of their 16 scientific definitions: they are objective, eternal, universal, natural, necessary, sufficient, harmonious (coherent), global, social structure, spheral employment, GP (global peace) cause, GP source, GP guarantee, GP actors, spontaneous and conscious. Of course, this list can be corrected in the future.

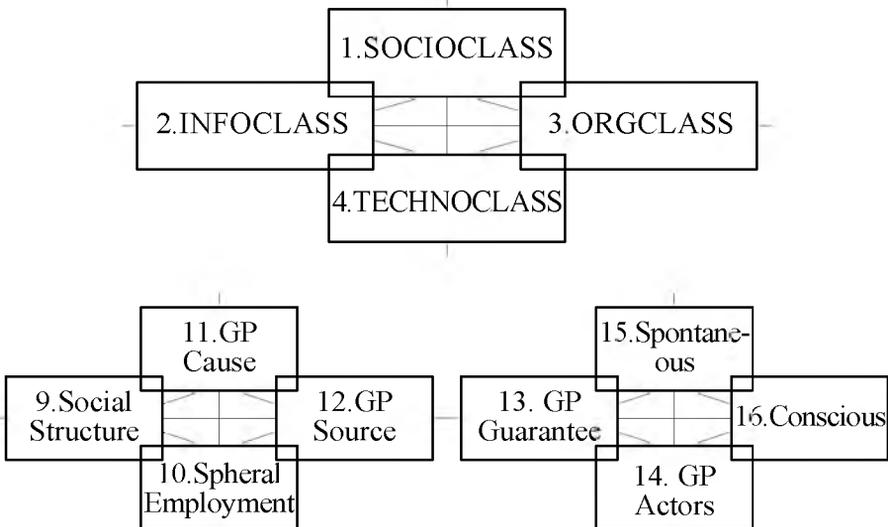
The network tetramodel of these definitions (attributes) of SPHERONS gives them a visual representation in a theoretical space of thinking. This model allows connecting and grouping them in different combinations, which greatly facilitates their knowledge, and on the other hand, enriches our process of thinking. It is very important for further scientific analyses SPHERONS, as well as for education in this knowledge in schools, colleges and universities. In the center of this complex system model is a simple model of four SPHERONS: 1. SOCIOCLASS, 2. INFOCLASS, 3. ORGCLASS, 4. TECHNOCLASS, each of which possesses the attributes listed in their definitions:

1. Objective Reality, 2. Eternal, 3. Universal, 4. Natural, 5. Necessary, 6. Sufficient, 7. Coherent, 8. Global, 9. Social Structure, 10. Spheral Employment, 11. GP Cause, 12. GP Source, 13. GP Guarantee, 14. GP Actors, 15. Spontaneous, 16. Conscious.

Model-2. SPHERONS' Attributes



SPHERONS:



The attributes of SPHERONS can be presented in a simple table, in every cell of which can enter the attribute definition.

Table. Attributes of SPHERONS

ATTRIBUTES	SOCIOCLASS	INFOCLASS	ORGCLASS	TECHNOCLASS
1.Objective Reality				
2.Eternal				
3.Universal				
4.Natural				
5.Necessary				
6.Sufficient				
7.Coherent				
8.Global				
9.Social Structure				
10.Spheral Employment				
11.GP Cause				
12.GP Source				
13. GP Guarantee				
14. GP Actors				
15.Spontaneous				
16.Conscious				

The readers studying GPS could fill this table independently using this textbook which will provide them with better understanding and mastery of this key knowledge of GPS.

In the next section will be constructed a similar tetramodel but practical attributes (consequences, manifestations, qualities and definitions) of SPHERONS. Both models are studied, developed and corrected by all the social sciences that explore SPHERONS. The finite number and quality of attributes inherent SPHERONS is determined, eventually, these sciences.

This model summarizes and illustrates two key theoretical outputs of the first Chapter of GPS:

1. The origins of global peace rooted in the deepest depths of society and the individual – in SPHERONS, which include all population and everyone, without exception, providing them with peacefulness and global peace in nature through the eternal attributes of mutual harmony. If separate individuals, groups and nations, because of their narrow-mindedness and ignorance in peace essence, are still capable of killing each other and contriving a fratricidal wars among themselves, the basis of society God and nature include the absolute and eternal causes, sources, guarantees and actors of global peace – SPHERONS, belonging to which has remained a secret for everyone and terra incognita for all.

2. The decisive transition of the human and society to global peace is linked with a new level of knowledge and thinking of homo sapiens, which is a transition from the spontaneous to conscious state of SPHERONS and everyone in them through the necessary for this universal science – GPS – and through general education and enlightenment in it. This transition is expressed on model theoretically by the blocks 15 and 16, which crown a long and arduous process of knowledge of their previous attributes. Practically this transition consciously was started in GHA ten years ago, which took it to get closer to this science and create it in the first, but far from perfection form.

The more complex and deeper essence, the more time and efforts require its knowledge from the human and society. The GHA source and GPS first idea – the idea of SPHERONS emerged almost 40 years ago, in 1976, in the student club "Demiurge" [1, 119–120]. The motto of this club was "Know yourself." Know yourself was long and difficult knowledge, in 40 years, of their social involvement from birth to death to SPHERONS as absolute, eternal, and the deepest roots of global peace. The search of global peace truth from Demiurge to GHA, within the tenth year of its life met with the SPHERONS final Tetranet model,

which reveals global peace secret to every person of good will, intuitively aspiring to it. In it two opposing aspirations merges into a harmonious dialectic: 1) the original, divine creation of man not for war but for peace, the key truths of which were hidden away from human mind for millennia, and 2) a tireless search for these keys by thousands of thinkers throughout human history to understand and use them. The efforts of GHA, the authors of this book and their results represent only a step but turning in an endless intellectual search and practical approximation of humanity to conscious global peace. This step has an exact historical time – the 21st century, 2014. By the GHA tradition, its innovative knowledge is not a mystery but belongs to everyone so there are no restrictions on its distribution and participation in it.

16. SPHERONS: Energy of Soft Harmonious Structure

The soft but universal and eternal structure of SPHERONS creates and defines **soft force, harmonious peaceful energy of society**, which can be defined as "societal" energy or "spherical" one. It provides a natural, elemental stability, survival, development and prosperity of mankind in all of its longest cycles, regardless of the knowledge of this energy. It is clear that knowledge of new energy immeasurably increases the power of humanity and its capacity for survival and evolution. SPHERONS' energy disclosed in GPS is capable, in its scientific knowledge and use, to free humanity from all its "infancy pathologies" or social epidemics of pre-harmonious era: from wars, terrorism, violence, hunger, inequality, ignorance, militaristic democracy – in essence "anti-democracy", predatory exploitation of nature and people, absolutization of the material and humiliation of human spirituality and other incurable epidemics in this epoch. Therefore, GPS is the science not only a global harmonious peace but social health of humanity as a whole, in all its four spheres.

Social health of society as a whole, which provides global peace as a "normal" temperature of a healthy social organism, is determined by the harmony of its spheres, SPHERONS employed in them and their energy. It is the economic, political, spiritual and social health, in contrast to **modern total pathologies** in these areas and dimensions. "Formula" of human health and ensuring its soft force or societal power, as well as Einstein's formula of physical energy, where it is determined by the product of the mass and the square of the speed of light – is very simple. The energy of any society at any level is equal to the energy of its four SPHERONS: $ES = SP1 + SP2 + SP3 + SP4$, where the ES – energy of society, SP (1, 2, 3, 4) – four of its SPHERONS, harmonious classes, and + – sign of the product/summation. This is generalized formula of mutual multiplication of energy (or other positive qualities) of SPHERONS. It expresses multiplication of energy of each SPHERON in connection with its harmonious connection with energy of others SPHERONS. It expresses the opposite neutralization or reduction/redemption of societal energy in disharmonious, military or any other opposition of PARTONS, i.e. SPHERONS any parts.

We do not know now, how to count and mathematically calculate the augmentation or reduction of societal energy of SPHERONS in general and at every level of society in particular, but their statistics formulated in its foundations in the next chapter and developing mathematics of social harmony will do this in the future. GPS is not Pallas Athena, who was born fully armed from the Zeus head. It requires a long development, like any science.

17. Conclusion. Social Structures and their Importance for Global Peace

Here we summarize the previous information about social structures and their importance for global peace. There are two clusters of social structures: 1. Artificial and 2. Natural.

1. Artificial. The artificial (man-made) structures are created by people and they are the private and partial structures of very different sorts. They are temporary, historically transient, unequal, and usually disharmonious, violent and militaristic, which excludes global peace as a whole and constitutes a permanent fertile ground for constant local wars and armed conflicts. Some examples of these structures are named above: the castes of ancient India, the free and slaves in ancient Greece, the feudal lords and landless peasants in Middle Ages, the capitalists and proletarians (Marx) in an industrial society, the upper and lower classes of Pareto, the ruling and managed classes at Mosca; the upper, middle and lower classes in modern stratification etc. Other examples of similar structures, primarily nation-states, will be discussed below. In traditional partial structures the conscious global peace is unattainable, as has been evident in all

prior history. Only certain partial classes (PARTONS) of employment and the middle classes are able, under favorable conditions to ensure local and temporary peace, but no more, like ghostly islands of peace in the historic ocean of wars.

2. Natural. The natural social structures are universal, constant and eternal structure inherent in the very character of society and humanity. Global peace is possible only within the framework of similar structure, but which one? The natural structures include sex/gender, race, age and employment (SPHERONS), of which the first two are constant, static, and the second two are dynamic. The gender and racial structures do not provide global peace, although it is long established empirically, historically and intuitively that women in their natural maternal nature are much more peaceful than men. Therefore, in global peace the priority role will belong, by the natural law, to women that are considered in more detail below. The age dynamic structure is one-dimensional as it is determined only by the time, so it is not able to provide a global multi-dimensional and constant in dynamics peace. The dynamic structure of spherical employment, i.e. SPHERONS are multi-dimensional, covering all necessary and sufficient social resources (PIOT), processes (PDEC), structures (SIOT) and classes – SPHERONS (SIOT-classes) of any society in the past and the future and it is presented in general in SOCIONOME, see above. Only this structure in its eternal nature is harmonious (internally balanced, coordinated and coherent), as shown above, therefore, **this structure is the key for global peace**. Therefore, global peace requires a natural, universal and eternal social structure of SPHERONS, which is discovered in Tetrasociology [20; 16, etc.]. It was studied in GPS theoretically (above) and empirically, statistically in the next chapter. The relations and superposition of the natural social structures were discussed in more detail here [16, 77–80]. The global social structure of SPHERONS is realized in partial structures, a conscious manifestation of which in the future will ensure conscious global peace locally and everywhere. This is explored in the following chapters and sections of the book.

Of course, the study of natural and artificial social structures in the framework of global peace is only just beginning, and is not enough; their scientific history is yet to come but for our, the first step is sufficient. The theoretical proof of SPHERONS is presented in the first chapter of GPS and their statistical, empirical proof – in the second chapter. These classes – SPHERONS were opened in Tetrasociology almost 40 years ago and almost 10 years their concepts were used in the GHA in its seven books and 50 projects of global harmony (see below). SPHERONS is the scientific quintessence of Tetrasociology.

The link between social structures and war and peace is direct and is proved in GPS in all chapters. The private disharmonious structures generate the particular (local and temporary) wars aspiring to absorb the neighboring parts, for example, the neighboring countries and etc. **The harmonious eternal structures of SPHERONS provide spontaneous global peace interrupted by private wars, which prevent can private harmonious structures intuitively and spontaneously in the past history, and therefore locally and temporarily, and consciously and purposefully in future history therefore everywhere and forever.** But in both cases these partial structures are manifestations and expressions of the global and eternal social structure of SPHERONS.

The transformation of private disharmonious structures into harmonious may be realized not spontaneously but only consciously as SPHERONS evolving from “classes in itself” into “classes for itself”. These are Marxist termini but in this case they are quite acceptable for GPS. The classes in itself are spontaneous SPHERONS deprived of their self-consciousness, and the classes for themselves are conscious SPHERONS awaking their purpose and role in society on the basis of scientific knowledge of social harmony. The turning step from spontaneous and intuitive harmonic structures to conscious and purposeful is scientific (Tetrasociological and Statistical primarily) GPS knowledge of SPHERONS. This knowledge through global

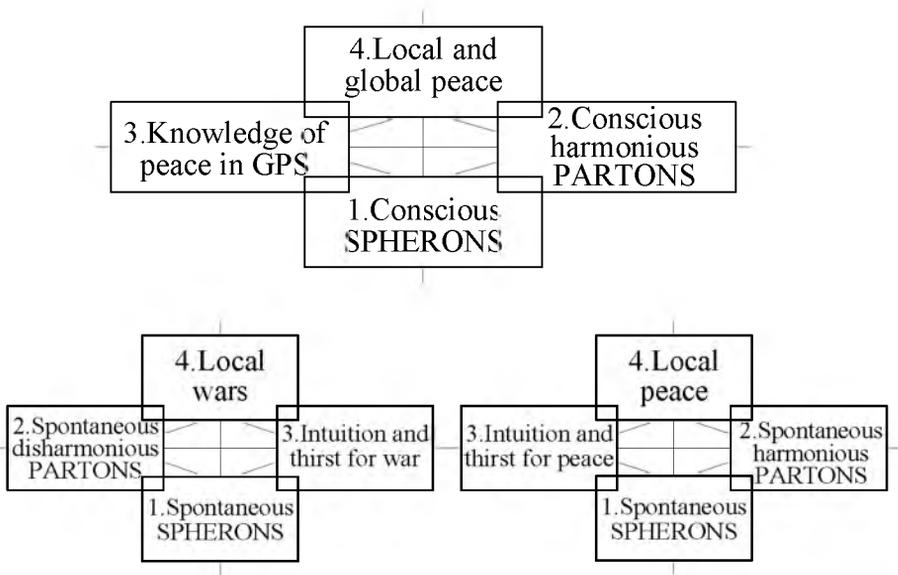
harmonious education in GPS turns SPHERONS of spontaneous groups into conscious actors. The political, economic and other private structures/mechanisms of building process of global peace in the local space and time are disclosed in the following chapters. The inextricable link between peace and harmony is revealed through the structure of SPHERONS as actors of social harmony and social peace simultaneously and together. This relationship is the subject of GPS.

The immediate impetus for targeted scientific study in this link was the concept of "harmonious peace", first introduced by the famous sociologist and peacemaker Ada Aharoni in 2004 and combined the notions of peace and harmony, which have become key for the GHA and GPS. The theories of SPHERONS and social structures in GPS are related to traditional theories of classes as well as Einstein's physics and Newton's mechanics; the second is a particular case of the first. The ways to war and peace from the social structures go through the relevant motivational and mediating matters of intuitions, emotions and knowledge.

The links of considered social structures with war and peace are presented by the following chains and tetramodels of concepts in Tetranet thinking:

- 1. Spontaneous SPHERONS – 2. Spontaneous disharmonious PARTONS – 3. Intuition and thirst for war – 4. Local wars
- 1. Spontaneous SPHERONS – 2. Spontaneous harmonious PARTONS – 3. Intuition and thirst for peace – 4. Local peace
- 1. Conscious SPHERONS – 2. Conscious harmonious PARTONS – 3. Knowledge of peace in GPS – 4. Local and global peace

Model-3. Social Structures of Peace and War



The lower two models express the deep structural logic of war and peace in the past military history and the top model express the deep structural logic of universal global and ubiquitous peace in the future peace history of humanity.

The scientific and conscious way to peace in each country begins with the definition of the fundamental social structure of SPHERONS in their statistics, which are presented in the following chapter.

Dr. Leo Semashko, Editor in Chief, "Global Peace Science" (GPS) and GPS coauthors. 14/05/14

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Chapter 2. Empiricism of SPHERONS and GPS. Global Statistics and Global Demography

1. Statistics of SPHERONS of Russia for 2010:

Methodology, Sources and Number. *Olga Kashina, Leo Semashko*

1. Tasks of Study
2. Definition of SPHERONS, Spherical Classes of the Population
3. Classification of SPHERONS: Spherical Indices
4. Sources of Statistics on Employment and Unemployment of the Population in Russia
5. Classification by Branches of Economic Activity and Categories of Personnel
6. Technique of Definition of Number of Russia SPHERONS Based on Statistics
7. Mid-year Population of the Russian Federation for 2010
8. Definition of Number of Non-working Population (P1n) in Russia for 2010
9. Number of SPHERONS in Russia for 2010
10. Number of SPHERONS in Russia for 1991 and 1996
11. Conclusion: Problems and Significance of the Study
12. References

1. Tasks of Study

The purpose of our statistical study is to define the numerical distribution of the population in Russia on the spherical classes, SPHERONS, for 2010. To achieve this purpose in our work we solved the following tasks:

- Formed the definition of SPHERONS (spherical classes of the population);
- Formed the SPHERONS classification and their spherical indices;
- Created the technique of determining the number of SPHERONS in Russia based on statistics of the population of Russia;
- Examined the sources of statistics on employment and unemployment of the population of Russia;
- Reviewed classifications by the branches of economic activity and categories of personnel used in Russia currently;
- Collected data characterizing employment by the branches of economic activity, categories of personnel and non-working population;
- Conducted grouping of the Russian population by SPHERONS for 2010, which is expressed in their final table of number.

The study signification is defined by the fact that people/population who constitute SPHERONS are the main productive force of society and are a priority social resource that produces all other resources of society, including the population itself. Therefore, statistics of the population, its employment and other qualities are particularly important, as is disclosed in the first chapter of this book.

2. Definition of SPHERONS, Spherical Classes of the Population

The first chapter, especially paragraph 1.2, is devoted to this issue. We recount only the definition of it here.

SPHERONS, which are spherical classes of the population, are the extremely large groups of people covered as a whole and employed in four spheres of social production of PIOT resources (People, Information, Organization, Things) and who differ on the main (on time) as being employed in one of the spheres. See also [5, 70].

Four spheres of production are:

1. Social sphere, or Sociosphere (S), the subject and product of which are people (P);
2. Information sphere, or Infosphere (I), the subject and product of which is information (I);
3. Organizational sphere or Orgsphere (O), the subject and product of which are organization, management, politics, law, finance, defense, etc. (O);
4. Technical (economic/environmental) sphere, or Technoecosphere (T), the subject and product of which are things, including all material goods and services (T).

Together, these are called SIOT.

Four SPHERONS, spherical classes, employed in these spheres SIOT are:

1. SOCIOCLASS, people employed in Sociosphere, subject and product of this class are P;
2. INFOCLASS, people employed in Infosphere, subject and product of this class is I;
3. ORGCLASS, people employed in Orgsphere, subject and product of this class is O;
4. TECHNOCLASS, people employed in Technoecosphere, subject and product of this class are T. See also [6, 33–43].

3. Classification of SPHERONS: Spherical Indices

SPHERONS, as a whole, and the individuals who make them differ by main (on time) employment in one of the four spheres of society. (Employment of SPHERONS was discussed in more detail in the first chapter, paragraph 1.6.). Employment defines each person's universal life characteristics from birth to death. All other qualities of people, on which they differ, such as labor, property, power, education, and the like, are its partial manifestations and/or products. All the time within people's lives is devoted to production of various social resources, including and above all, the continuation of life for themselves. Within multidimensional topology of vital employment of people vary its two principal clusters:

1. Self-production or autopoiesis is employment of each person by himself ("I") from birth to death in processes such as eating, sleeping, learning, communication, recreation, etc. The term self-production (autopoiesis) was first introduced by Umberto Maturana and Francisco Varela (1973) for theoretical biology to describe the self-reproduction of living cells. In 1990, this term was reinterpreted in sociology by Niklas Luhmann to describe characteristics of human communication as a key element of social system. Autopoiesis belongs in Sociosphere because it includes all kinds of human activity except economic/labor activity, which stands out in a separate cluster of employment.

2. Labor or economic employment of people by other resources except "I". As a rule, this is formally established within norms of labor activity of society. The labor activity is a part of self-production known as "seniority (work experience)" or "experience of labor activity." It is part of each person's life.

These two clusters of employment divide the entire population into two parts:

1. Nonworking (economically inactive) population employed in Sociosphere by self-production.
2. Working or economically active population employed in all spheres.

We express SPHERONS according to a special, spherical indices:

P. Population/people in general for any level of school and from town to country to the world;

P1. Socioclass who are employed in Sociosphere (first sphere);

P1n. Non-working population who are employed in self-production of Sociosphere and forming part of the Socioclass;

P1w. Working population who are employed in labor of industries/branches of Sociosphere and who constitute another part of the Socioclass.

Therefore, $PI = P1n + P1w$.

P2. Infoclass who are employed in branches of Infosphere (second sphere);

P3. Orgclass who are employed in branches of Orgsphere (third sphere);

P4. Technoclass who are employed in branches of Technosphere (economic, fourth sphere).

Each spherical class is a separate SPHERON covering part of the population employed in one of the four spheres of social production. In sum, the number of people in the four SPHERONS is the population as a whole. This is expressed by the simple formula:

$$P = P1 (P1n + P1w) + P2 + P3 + P4 \text{ or}$$

Population/People = Socioclass (nonworkers + workers) + Infoclass + Orgclass + Technoclass.

The purpose of this study is to determine the number of each SPHERONS within Russia in 2010, the sum of which is the population of Russia in 2010 as a whole.

4. Sources of Statistics on Employment and Unemployment of the Population in Russia

Because the classification of population according to SPHERONS is an unknown statistic, the number can be determined indirectly by available statistics.

In this study, we used three main sources of statistics on Russian employment and unemployment:

- Data of Russia Population Census 2010 round (RPC-2010), published in 11 volumes [7; 8; 9; 10; 11];
- The Distribution of Employees of Enterprises and Organizations on Economic Activity Kinds on average for 2010. [2];
- Sample Data on the Number of Organizations' Staff by the Activities Kinds and Staff Categories [2].

In 2010, the census enumerated the resident population of Russia. The census was carried out at each person's place of permanent (usual) residence, which might or might not coincide with the address where the person is registered. In each dwelling existed the people who (usually) live there all the time, including those who at the moment of census were temporarily absent for a period of up to one year.

The resident population is categorized by households:

- private households;
- collective households;
- homeless households.

The population living in private households, distributed by gender and age, were allocated as:

- Children and adolescents aged 0–14 years;
- The population aged 15–72 years; it is among the employed population in this age group that random observations about employment and professional composition of employees in the period after the census were conducted;
- Persons aged 73 years and older.

This source allows defining the number of people in the population who are employed, self-production or non-working (inactive), which is part of the Socioclass, expressed by spherical index **P1n**.

5. Classification by Branches of Economic Activity and Categories of Personnel

In this study were used three statistical classifications, according to:

1. Economic activity;
2. Industries/branches/types/kinds of economic activity (activities);
3. Personnel/staff categories.

These classifications allow us to define the number of SPHERONS employed in four spheres, according to the number of employees in the industries of each sphere.

Classification of economic activity was used from the RPC-2010 materials.

The economically active population includes persons aged 15–72 years who, for the week before the census (from 7 to 13 October 2010), were employed in economic activity or

looking for work and were ready to start. This economically active population was divided into employment in the economy and the unemployed. (Unemployed busy self-production are included in **P1n** of Socioclass as one of SPHERONS).

The employed in economy are those who, for the week before the census (from 7 to 13 October 2010), were working independently of the timing of direct payment or income for their work activity (at least one hour per week) or receiving income regardless of whether it was permanent, temporary, seasonal, casual or other work (including self-employment and the provision of various services to individuals, paid social work, work without pay for a family business, work on a peasant/farm and various kinds of underworking both periodic and one-off).

The employed were considered also the persons who performed household work on the production of goods or services, including agriculture, forestry, hunting, fishing and its processing, if the products are intended for market.

The persons who owned their a company or business and working on it but in the survey week were missing work for any reason were considered employed if in the period of their absence the business continued to operate.

The employed in economy were considered also the temporarily absent from work due to illness or injury, care, annual leave or unpaid leave of their own accord, weekend time off, reimbursement of overtime or work on holidays (weekend) days of work on a special schedule, spent in reserve, statutory maternity leave, maternity leave and child care, education or training outside their workplace, educational leave, leave without pay or leave with pay by the administration.

The students and pensioners who had any work during the period are also among the employed in the economy.

Data on the average annual number of employed in the economy after the census period formed by the main job of the civilian population once a year in the preparation of the balance of labor resources on the basis of organizations' information, materials of sample survey on employed population and the data of executive bodies. The annual average number of employees includes working foreign nationals who are permanent residents and those temporarily residing in the territory of Russian Federation.

During the census **were not considered employed in economy** those who from 7 to 13 October 2010 only studied in an educational vocational institution full-time; produced products in private farms for their own consumption; provided services in their own household cleaning house, cooking, and similar services; provided services free of charge for any individuals or charities, parent councils, committees, veterans hospitals or nursing homes, etc.; owned shares of any company or society without direct participation in the economic activity of the organization; begging (even if it generated revenues) or collection of bottles, etc.

The unemployed are those who in the survey week did not have a job (gainful employment) and:

- Were seeking work and were available for work during the survey week. Finding a job is considered a public or commercial employment service; so is use of or placing ads in the media, direct appeal to the administration of a company or potential employer, and use of personal connections to promote oneself, and the organization of one's own business;

- Found a job and proceeded to it two weeks after the survey week;

- Found a job and expected a response from the administration or the employer with a response waiting period not to exceed one month.

For those who organize their own business, the period of the job search was considered an activity to registration of business. Activity after the registration was deemed to be business on own enterprise.

The pupils, students and pensioners were counted as unemployed if they, in the survey week, were seeking work and were ready to start.

Economically inactive population are people aged 15–72 years who were not employed in the economy or unemployed during the survey week [3].

Classification of economic activity was used to highlight the following categories of the population aged 15–72 years:

- Economically active population (employed and unemployed);
- Economically inactive population (scholarship holders, pensioners, persons receiving benefits except unemployment benefits, engaged in private farming, etc.);
- Persons who have not indicated economic activity.

Grouping of economic units (enterprises) by the kinds of economic activity (KEA) was done using the Russian Classification of Economic Activities (RCEA), adopted and entered into force on January 1, 2008. RCEA is based on harmonization with the official version in Russian of Statistical Classification of Economic Activities in the European Community (NACE Rev. 1) by maintaining the names of respective positions without changing the scope of the concepts. These are the following types of activities [12]:

Table-1. Economic Activities

Section	Economic Activities
A	AGRICULTURE, HUNTING AND FORESTRY
B	FISHING
C	MINING AND QUARRYING
D	MANUFACTURING
E	ELECTRICITY, GAS AND WATER SUPPLY
F	CONSTRUCTION
G	WHOLESALE AND RETAIL TRADE; REPAIR OF MOTOR VEHICLES, MOTORCYCLES AND PERSONAL AND HOUSEHOLD GOODS
H	HOTELS AND RESTAURANTS
I	TRANSPORT, STORAGE AND COMMUNICATION
J	FINANCIAL INTERMEDIATION
K	REAL ESTATE, RENTING AND BUSINESS ACTIVITIES
L	PUBLIC ADMINISTRATION AND DEFENCE; COMPULSORY SOCIAL SECURITY
M	EDUCATION
N	HEALTH AND SOCIAL WORK
O	OTHER COMMUNITY, SOCIAL AND PERSONAL SERVICE ACTIVITIES
P	ACTIVITIES OF HOUSEHOLDS
Q	EXTRA-TERRITORIAL ORGANIZATIONS AND BODIES

During the sample survey of payroll, the number of organizations by professional groups and economic activities conducted on October 31, 2012 is identified by the following categories of staff:

- Heads of organizations and their structural units (services);
- Specialists of higher qualification;
- Specialists of mid-level qualifications;
- Employees engaged in the preparation of information, documentation, accounting and service;
- Service workers, housing and communal services, trade and related activities;
- Skilled workers in agriculture, forestry, hunting and fishery activities;
- Skilled factory workers, construction, transport, communication, geology and exploration of mineral resources;
- Operators, machinists of systems and machinery;
- Unskilled workers.

The above categories of staff were grouped into four groups to highlight four spherical classes or SPHERONS:

1. The heads of organizations and their structural units (services) – P3, Orgclass;
2. Specialists of higher and mid-level qualifications engaged learning and health care personnel – P1w, Socioclass;
3. Specialists and employees involved in preparation of information, documentation and accounting – P2, Infoclass;
4. Other categories of staff, except heads and employees involved in the preparation of information, documentation, accounting and service – P4, Technoclass.

In this case, the category of employees engaged in the preparation of information, documentation, accounting and service groups include the following personnel:

- Stenographers and typists;
- Operators using special equipment for the preparation and transmission of information (printer, telex, facsimile, cryptographic equipment and e-mail);
- Operators of computers (PCs), employed various information input;
- Operators of computers (counting machines, calculators, texture machine);
- Secretaries and clerks;
- Employees engaged in accounting transactions and accounting;
- Employees engaged in the processing of statistical and financial information;
- Employees engaged in the receipt and delivery of goods;
- Employees engaged in dispatching production.
- Employees engaged in accounting and on duty transport;
- Employees engaged in card files and libraries;
- Coders, proofreaders and related occupations;
- Other employees engaged in the preparation of information, documentation and accounting;
- Cashiers, including tickets cashiers;
- Cashiers of banks and related occupations;
- Employees to obtain payments on accounts, overdue and other cash amounts;
- Employees engaged in receiving and informing visitors (receptionists, attendants of pass office, on the issuance of certificates and others);

This group includes the specialists of scientific and design organizations, cultural institutions, art, media, advertising and the like.

Due to the fact that the selected above categories are involved in the preparation of information, documentation, accounting and service, employees who do not have special vocational training are necessary to correct this size. Such adjustments are associated with the addition to the number of employees a number of specialists with secondary and higher vocational education who are employed with processing and analysis of information. Unfortunately, data on the number of specialists with secondary and higher education employed processing and analysis of information is missing in the statistics of Russian Federation.

6. Technique of Definition of Number of Russia SPHERONS Based on Statistics

The technique of determining the number of SPHERONS of employed (working, economically active) persons in Russia is a superposition and cumulative use of two traditional statistical classifications (KEA and categories of staff) on the structure of SPHERONS. Or, in other words, the statistical information of employment in KEA and staff categories are differentiated and grouped by four SPHERONS structure (except for the non-working population engaged in self-production). This technique can be expressed by the following table.

Table-2. KEA by Personnel Categories

Economic Activities (KEA)	Personnel Categories			
	P1w	P2	P3	P4
Economic Activities, Table-1.				

Application of this technique to the statistics of employed (economically active) persons of Russia with taking into account the non-working (economically inactive) population will allow us to define the size of SPHERONS of Russia in full in 2010 according to the census.

7. Mid-year Population of the Russian Federation for 2010

Mid-year population of the Russian Federation for 2010 amounted to 142.938 million. This is calculated by the average chronological quarters of 2010. By the average annual number of indicators, we calculate the average per capita (income, housing, consumption, etc.). Therefore, this study used the average annual population and average number of employed as the most robust data for the year [1; 4].

8. Definition of Number of Non-working Population (P1n) in Russia for 2010

The 2010 population census of the age and gender composition of the population living in private households identified the following age groups and calculated the structure of the non-working population employed in self-production [3; 7; 8; 9; 10; 11]:

Table-3. Employed self-production (non-working, economic inactive), millions

P1n	P1n = Employed self-production, sum of non-working, economic inactive:	73,629	100%
	Age group 0–14 years:	21,398	29,1
	Age group 15–72 years, inactive:	33,708	45,8
	Age group 15–72 years, unemployed:	6,647	9,0
	Age group 15–72 years, the homeless:	0,064	0,1
	Age group 73 and older, inactive:	9,979	13,6
	Others:	1,833	2,5

Calculated according to the RPC – 2010, Volume 7, Table 1, Population of private households by age groups, gender and economic activity [11]: http://www.gks.ru/free_doc/new_site/perepis2010/croc/perepis_itogi1612.htm

9. Number of SPHERONS in Russia for 2010

Table-4. Number of SPHERONS of Population in RUSSIA for 2010, in million people

Spherical Indices	The Employed in Branches of Four Spheres	2010	%
P	All Population of Russia: P = P1+P2+P3+P4	142,938	100
P1	SOCIOCLASS: P1 = P1w + P1n	84,988	59,4
P1w	P1w = sum of employed (working) in the branches of Sociosphere:	11,359	7,9
	M EDUCATION	5,109	3,6
	N HEALTH AND SOCIAL WORK	4,203	2,9
	O OTHER COMMUNITY, SOCIAL AND PERSONAL SERVICE ACTIVITIES	2,046	1,4
P1n	P1n = Employed of self-production, sum of non-working, economic inactive:	73,629	51,5
	Age group 0–14 years:	21,398	15,0
	Age group 15–72 years, inactive:	33,708	23,6
	Age group 15–72 years, unemployed:	6,647	4,6
	Age group 15–72 years, the homeless:	0,064	0,0
	Age group 73 and older, inactive:	9,979	7,0
	Others:	1,833	1,3

P2	INFOCLASS = sum of employed in the branches of Infosphere:		3,997	2.8
	COMMUNICATION		0,721	0,5
	Science and scientific services		0,755	0,5
	Others		2,521	1,8
P3	ORGCLASS = sum of employed in the branches of Orgsphere:		10,775	7.5
	L	PUBLIC ADMINISTRATION AND DEFENCE; COMPULSORY SOCIAL SECURITY	1,122	0,8
	J	FINANCIAL INTERMEDIATION	3,905	2,7
	Others:		5,748	4,0
P4	TECHNOCLASS = sum of employed* in the branches of Technosphere**:		40,930	28.6
	A	AGRICULTURE, HUNTING AND FORESTRY	6,063	4,2
	B	FISHING	0,130	0,1
	C	MINING AND QUARRYING	0,930	0,7
	D	MANUFACTURING	8,926	6,2
	E	ELECTRICITY, GAS AND WATER SUPPLY	1,656	1,2
	F	CONSTRUCTION	4,751	3,3
	G	WHOLESALE AND RETAIL TRADE; REPAIR OF MOTOR VEHICLES, MOTORCYCLES AND PERSONAL AND HOUSEHOLD GOODS	9,882	6,9
	H	HOTELS AND RESTAURANTS	1,011	0,7
	I	TRANSPORT AND STORAGE	3,886	2,7
	K	REAL ESTATE, RENTING AND BUSINESS ACTIVITIES	3,695	2,6
	Statistical error		2,248	1,6

Total in Table-1 are 32 indices + statistical error.

* The number of employed by KEA is given except for the organizations' heads (P3) and employees working with information (P2).

** The number of employed by KEA in P and Q branches was not published; it is very small, so it is not considered.

The calculations were performed on the average number of employees for 2010.

Note. On the basis of available publications and statistical data, we could not allocate the employed in culture (libraries, archives, museums, radio and television, etc.) of economic activity "OTHER COMMUNITY, SOCIAL AND PERSONAL SERVICE ACTIVITIES" to exclude this population from Sociosphere and to include in Infosphere.

10. Number of SPHERONS in Russia for 1991 and 1996

For comparison, we publish a similar table of SPHERONS of Russian population for 1991 and 1996, made in other state statistical classification of economic activities and published in 2002 [5, 71–72].

Table-5. Number of SPHERONS in Russia for 1991 and 1996 in million people

Spherical Indices	The Employed in Branches of Four Spheres	1991	1996	1996/%
P	All Population of Russia: P = P1+P2+P3+P4	148,5	148	100
P1	SOCIOCLASS: P1 = P1w + P1n	81,6	89,1	60,2
P1w	P1w = sum of employed (working) in the branches of Sociosphere:	6,8	7,1	4,8

	Education	2,5	2,5	1,7
	Health, social welfare, sports	4,3	4,6	3,1
	Priests	-	-	-
P1n	P1n = Employed of self-production, sum of non-working, economic inactive:	74,8	82,0	55,4
	Pensioners, invalids	33,8	37,1	25,1
	Pupils, students (full time)	25,5	26,6	18,0
	Preschoolers and housewives	11,8	11,5	7,8
	Unemployed	3,6	6,8	4,6
P2	INFOCLASS = sum of employed in the branches of Infosphere:	8,5	7,4	5,0
	Science and scientific service	0,9	0,9	0,6
	Communication	2,8	1,6	1,1
	Culture and art	4,8	4,9	3,3
P3	ORGCLASS = sum of employed in the branches of Orgsphere:	4,0	4,6	3,1
	Number of the management staff	1,7	1,9	1,3
	Finance, credit, insurance	0,4	0,9	0,6
	Other branches (defence, policy, security, custom-house etc.)	1,9	1,8	1,2
P4	TECHNOCLASS = sum of employed in the branches of Technosphere:	54,4	46,9	31,7
	Industry	22,4	16,3	11,0
	Agriculture and wood industry	9,8	9,8	6,6
	Construction	8,5	6,3	4,3
	Transport	4,9	4,4	3,0
	Trade and public nutrition	5,6	6,8	4,6
	Housing and communal services	3,2	3,3	2,2

11. Conclusion: Problems and Significance of the Study

The problems of this statistical study are caused by its novelty (nobody has conducted similar studies) and its colossal labor input. These problems become apparent when expanding the content of research, for example, as proposed in its Program (below), including an analysis of the economic situation of SPHERONS, their income, their participation in government, their education and, similarly, their qualities in dynamics for years, in different countries and at different levels from municipal to global, starting from schools, hospitals, small businesses and settlements to large corporations, cities and countries.

The significance of this study is difficult to overestimate.

First, the statistical analysis of the number of Russian SPHERONS in 2010 opens the fundamental new possibility of creating an evolution of global (spherical) statistics as a common denominator for the bad comparable national statistics of traditional branch nature, which are now developing in this direction poorly for a very long time. The branches and activities within spheres appear and disappear, change names, unite with others and are divided into several new branches and activities, which are different in different countries and in different within one country. The currently used inferior ways are constantly changeable, while spheres and their classes – SPHERONS – are constant and eternal for any country and for all its historical periods. This will ensure stability and uniformity of the global/spherical statistics for a single global world in the future.

Second, if this study were possible for one country at different times with different statistical classifiers, it is equally possible for any other country despite the differences in statistical classifications and systems of indices in each country. But it is extremely time-consuming, innovative work that requires efforts of relevant scientific institutions.

Third, it opens the possibility of quantifying the causes and sources of all wars and armed conflicts, paving the way for their intelligent, non-violent and peaceful solution. Global/spherical statistics are an essential element of global peace science (GPS), without which it cannot exist. In place of baseless and eternal accusations by warring parties, the SPHERONS method is able to put accurate, statistical assessment of the scale of mutual contradictions and disharmony and indicate ways to eliminate or minimize them for beneficial mutual interests.

Fourth, development of other social sciences depends on the global/spherical statistics of SPHERONS; for example, forecasting, without which “the future loses certainty” and humanity is deprived of scientific wisdom. Academicians Viktor Sadovnichiy and Daisaku Ikeda present this idea. In particular, they wrote: “*Today, the mathematical theory of forecasting (which is inseparable from statistics – O.K. and L.S.) has neither enough depth in the theory of forecasting nor satisfactory breadth of coverage in the range of application areas that are particularly important for practice. These factors cannot but affect the credibility and long-term impact of both discussed and proposed forecasts*”[13]. The scientific theory of social harmony, presented in *the ABC of Harmony* and crystallized in its social genome SOCIONOME, together with the global social structure of SPHERONS and global/spherical statistics, is “deep theory of forecasting.” They provide credibility, long-term and worldwide forecasting but require the development of new mathematics of harmony and global statistics, which are suitable to express and calculate the spherical elements of social harmony, especially its source – SPHERONS. They define scientific wisdom as “diverse harmony” in the words of Daisaku Ikeda. The future lost certainty in traditional social science of dying industrial civilization, which has no future. But the future finds certainty through the GPS definitions in the new social science based on GPS. This future is a harmonious civilization of SPHERONS, conscious/scientific global peace without wars, conservation of nature, economic and political equality, justice and love.

Fifth, most importantly, this study as a statistical proof of SPHERONS in only one country – in Russia – and it is minimal. But for a start, it is enough to convince us in their universal existence and objective reality as eternal actors of global peace from harmony. The subsequent similar studies in other countries will confirm this conclusion.

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Dr. Leo Semashko, Editor in Chief, “*Global Peace Science*” (GPS)

2. Statistics of SPHERONS of St. Petersburg in 2010: Number

Olga Kashina

This study repeats the methodology, contents and sources (references) of previous study of SPHERONS of Russia (above), therefore here we will restrict only the table of SPHERONS of population in St. Petersburg in 2010.

The calculations were based on the published data of *Russian Census of Population (RCP) 2010* in St. Petersburg [1] on the mid-year number of population of St. Petersburg in 2010,

which amounted 4866.1 thousand people and mid-year number of employees in city's enterprises – 2466.3 thousand people.

On materials of RCP 2010 in St. Petersburg were used the groupings of the population by types of households, age groups and economic activity [9; 10; 11] to determine the number of unemployed (non-working) people within Socioclass.

Table-6. Number of SPHERONS of St-Petersburg for 2010, in thousand people

Spherical Indices	The Employed in Branches of Four Spheres	2010	%
P	All Population of St-Petersburg: P = P1+P2+P3+P4	4866,1	100
P1	SOCIOCLASS: P1 = P1w + P1n	2533,1	52,1
P1w	P1w = sum of employed (working) in the branches of Sociosphere: M, N, O	480.2	
P1n	P1n = Employed of self-production, sum of non-working, economic inactive:	2052.9	
P2	INFOCLASS = sum of employed in the branches of Infosphere:	349.2	7.2
P3	ORGCLASS = sum of employed in the branches of Orgosphere:	410.7	8.4
P4	TECHNOCLASS = sum of employed in the branches of Technosphere: A-K	1225.8	25.2
	Statistical error	347.3	7.1

Olga Kashina, Ph.D. (Statistics), Professor, State Educational University, St. Petersburg

3. Statistical Study of SPHERONS of Educational Institutions

Svetlana Kuskovskaya, Habyarimana Heli, Maitreyee Roy, Maria Azcona, Leela Pradhan

In the first chapter was established universality of SPHERONS as a global social structure at all levels, starting with the smallest enterprises and schools. This is confirmed by a few simple statistical studies of spherical classes in several schools and colleges of different countries: Russia, Rwanda, India, Argentina, Algeria and Nepal. We publish below the results of these studies in the form of the authors' reports represented in comparable tables. All studies presented below have one common title under which they are placed. They differ only by the authors, country and number of SPHERONS.

Sociological Statistical Study (SSS) of Dynamics of Global Social Structure (Four Harmonious Spherical Classes of the Population – SPHERONS) at Level of:

1. Municipal Educational Budget Institution:

Novoladozhskaya Secondary School number 2.

School Address: town of Novaya Ladoga, Leningrad Street, Building 2

Volkhov district, Leningrad region, Russia

Author: *Svetlana Kuskovskaya*, a primary school teacher. My work experience at this school is 28 years. Home address: Novaya Ladoga, tel. +79052868550, E-mail: svetlana-5506@bk.ru

Table-7. Dynamics of our School SPHERONS (Spherical Classes) since 2000 to 2013, persons

Spherical indices	The employed	2000	2005	2010	2013
P	All People in my School: P = P1 + P2 + P3 + P4	917	896	405	402
P1	Socioclass: P1 = P1w + P1s	871	854	383	380

P1w	P1w = sum of the employed in branches of sociosphere:	85	82	38	33
	Education – Teachers number	84	81	38	33
	Health – Medical Staff number	1	1	-	-
P1s	P1s = Students number	796	772	345	347
P2	Infoclass = sum of the employed in branches of infosphere:	7	6	5	5
	Librarians number	2	1	1	1
	Bookkeeping number	2	2	1	1
	Other information service number: Secretary, laboratorian	3	3	3	3
P3	Orgclass = sum of the employed in branches of orgsphere:	10	10	7	7
	Management staff of School at all levels	6	6	5	5
	Lawyers	-	-	-	-
	Security	4	4	2	2
P4	Technoclass = Technical staff number: supply manager, electrician, mechanic, cleaning ladies, more	29	26	10	10

Date: February 5, 2014

Notes. The number of pupils in our school for these years decreased for several reasons:

1. Demographics: falling birth rate in our region;
2. Economic: several companies closed in our town;
3. Migration: young people are leaving the city St. Petersburg.

At the same time, there was a reduction of school staff, with many staff positions eliminated: speech therapist, psychologist, and others; nurse is listed in the hospital.

Conclusion: This study shows that the school can work successfully only in harmony, i.e. in coordinated interaction of its four SPHERONS (spherical classes), every from which is interested in it and supports their harmony from which follows peace ensuring a normal work environment and life of the school. Absence of harmony is fraught with failures of the school work and its disorganization. The absence of any one of these classes and disharmony between them mean that the workings of the school are impossible. **Svetlana Kuskovskaya**

2. Institute of Agriculture, Technology and Education of Kibungo (INATEK), Kibungo-Rwanda.

Author: **Mr. Habyarimana Heli**, Director of the Office of the Rector, P.O.Box 06 Kibungo-Rwanda, haheli2001@yahoo.fr, (+250)0788686324

Table-8. Dynamics of SPHERONS (Spherical Classes) in INATEK since 2000 to 2013, persons

Spherical indices	The employed	2000	2005	2010	2013
P	All People in INATEK: P = P1 + P2 + P3 + P4	N/A	1381	3340	3958
P1	Socioclass, P1 = P1w + P1s	N/A	1343	3275	3879
P1w	P1w = sum of the employed in branches of sociosphere:	N/A	76	86	100
	Education – Teachers number	N/A	76	86	100
	Health – Medical Staff number	N/A	0	0	0
P1s	P1s = Students number	N/A	1267	3189	3779
P2	Infoclass = sum of the employed in branches of infosphere:	N/A	2	6	7

	Librarians number	N/A	2	4	4
	Bookkeeping number	N/A	0	1	1
	Other information service number	N/A	0	1	2
P3	Orgclass = sum of the employed in branches of orgsphere:	N/A	11	15	21
	Management staff of INATEK at all levels	N/A	5	8	12
	Lawyers	N/A	0	1	1
	Security	N/A	6	6	7
P4	Technoclass = Technical staff number: supply manager, electrician, mechanic, cleaning ladies, more	N/A	25	44	51

Date: April 7, 2014

N/A: Not applicable (INATEK was created in 2003).

Conclusion: This study shows, INATEK can work successfully only in harmony, i.e. in coordinated interaction of its four SPHERONS (spherical classes), every from which is interested in it and support their harmony from which follows peace ensuring a normal work environment and life of INATEK. The absence of harmony is fraught with failures of the INATEK work and its disorganization. The absence of any one of these classes and disharmony between them mean that INATEK workings are impossible. In the absence at least one of these classes and harmony between them work of INATEK is impossible.

Mr. Habyarimana Heli

3. Basanti Devi College, Kolkata, India, ESTD: 1959

Author: *Dr. Maitreyee Bardhan Roy*, Principal, Kolkata, India.

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Table-9. Dynamics of SPHERONS (Spherical Classes) in this College in individuals since 2000 to 2013

Spherical indices	The employed	2000	2005	2010	2013
P	All People in College: P = P1 + P2 + P3 + P4	761	980	1136	1206
P1	Socioclass, P1 = P1w + P1s	752	970	1121	1188
P1w	P1w = sum of the employed in branches of Sociosphere:	37	42	49	54
	Education – Teachers number	37	42	49	54
	Health – Medical Staff number	0	0	0	0
P1s	P1s = Students number	715	928	1072	1134
P2	Infoclass = sum of the employed in branches of Infosphere:	3	3	3	3
	Librarians number	0	1	1	1
	Bookkeeping number	1	2	2	2
	Other information service number (Lab Instructor)	2	0	0	0
P3	Orgclass = sum of the employed in branches of Orgsphere:	3	4	5	6
	Management staff of College at all levels	2	3	3	3
	Lawyers	hired	0	0	0
	Security	1	1	2	3

P4	Technoclass = Technical staff number: supply manager, electrician, mechanic, cleaning ladies, more	3	3	7	9
		Electrician-1	1	1	1
		Mechanic-1	1	1	1
		Cleaning	1	2	3
		Ladies=1	1	3	4

Date: March 31, 2014

The Table includes in the total 15 indices, for four years – 60 statistical data.

The SSS task of any educational institution for each country is the same. Only the identity of statistics provides their full-scale internal comparability within them and across countries and regions.

The SSS report for each educational institution in each country is limited by four years: 2000, 2005, 2010 and 2013, and is expressed as a single complex of 7 spherical indices and 10 branch indices, from which the spherical indices are made. The spherical indicators P1s and P4 are identical to the branch indices. Total is 15 indices. The report is limited by this Table that makes it available to any teacher.

Conclusion: This study shows, our College can work successfully only in harmony, i.e. in coordinated interaction of its four SPHERONS (spherical classes), every from which is interested in it and support their harmony from which follows peace ensuring a normal work environment and life of the College. Absence of harmony is fraught with failures of the College work and its disorganization. The absence of any one of these classes and disharmony between them mean that the workings of the College are impossible. **Dr. Maitreyee Bardhan Roy**

4. Bulnes Private Educational Experimental Institute, approved by the City Government to help pupils with different kind of learning disabilities, Buenos Aires, Argentine

Author: *Maria Cristina Azcona*. Educational Psychologist and familiar counselor in this Institute, Buenos Aires, Argentine. mcrisazcona@gmail.com

Table-10. SPHERONS (Spherical Classes) in Bulnes Institute for 2010

Spherical indices	The employed	2000	2005	2010
P	All People in the Institute: P = P1 + P2 + P3 + P4			154=134+13+3+4
P1	Socioclass, P1 = P1w + P1s			134
P1w	P1w = sum of the employed in branches of Sociosphere:			14
	Education – Professors number			12
	Health – educational psychologists			2
P1s	P1s = Students/pupils number			120
P2	Infoclass = sum of the employed in branches of Infosphere:			13
	Librarians number			-
	A Systems expert and accountant			2
	Secretary,			11
P3	Orgclass = sum of the employed in branches of Orgsphere:			3
	Management staff of Institute at all levels			2
	Lawyers			1
	Security			-
P4	Technoclass = Technical staff number: supply manager, electrician, mechanic, cleaning ladies, more			4

March 27, 2014

Conclusion: This study shows, Bulnes Institute can work successfully only in harmony, i.e. in coordinated interaction of its four SPHERONS (spherical classes), every from which is interested in it and support their harmony from which follows peace ensuring normal work and life. Absence of harmony is fraught with failures of the Bulnes Institute work and its disorganization. The absence of any one of these classes and disharmony between them mean that the workings of Bulnes Institute are impossible.

Maria Cristina Azcona

5. Faculty of Education, Sano Thimi Campus, University of Katmandu, Nepal

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Table-11. Dynamics of SPHERONS (Spherical Classes) on Faculty of Education in individuals since 2000 to 2013

Spherical indices	The employed	2000	2005	2010	2013
P	All People on the Faculty: P =P1 +P2 +P3 +P4	1301	718	760	841
P1	Socioclass, P1 = P1w + P1s	1270	686	726	806
P1w	P1w = sum of the employed in branches of Sociosphere:	83	96	106	121
	Education – Teachers number	82	95	105	120
	Health – Medical Staff number	1	1	1	1
P1s	P1s = Students number	1187	590	620	685
P2	Infoclass = sum of the employed in branches of Infosphere:	6	7	9	10
	Librarians number	1	1	1	1
	Bookkeeping number	2	2	4	5
	Other information service number	3	4	4	4
P3	Orgclass = sum of the employed in branches of Orgosphere:	13	13	13	13
	Management staff of BEI at all levels	4	4	4	4
	Lawyers	1	1	1	1
	Security	8	8	8	8
P4	Technoclass = Technical staff number: supply manager, electrician, mechanic, cleaning ladies, more	12	12	12	12

Date: April 11, 2014

Conclusion: This study shows, our Faculty of Education can work successfully only in harmony, i.e. in coordinated interaction of its four SPHERONS (spherical classes), every from which is interested in it and support their harmony from which follows peace ensuring normal work and life on Faculty. Absence of harmony is fraught with failures of our Faculty work and its disorganization. The absence of any one of these classes and disharmony between them mean that the workings of Faculty are impossible.

Prof. Leela Pradhan

6. The University of El Oued

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Author: *Ammar Banni*. Professor of Education in this University. ammarbanni@yahoo.fr

Table-12. Dynamics of SPHERONS in the University in persons since 2005 to 2013

Spherical	The employed	2005	2010	2013
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indices				
P	All People in University: P =P1 +P2 +P3 +P4	400	1830	2897
P1	Socioclass, P1 = P1w + P1s	344	1749	2804
P1w	P1w = sum of the employed in branches of Sociosphere:	20	69	84
	Education – Teachers number	20	69	84
	Health – Medical Staff number	00	00	00
P1s	P1s = Students number	324	1680	2720
P2	Infoclass = sum of the employed in branches of Infosphere:	03	06	07
	Librarians number	02	04	05
	Bookkeeping number			
	Other: student unions	01	02	02
P3	Orgclass = sum of the employed in branches of Orgsphere:	26	40	46
	Management staff of BEI at all levels	15	19	20
	Lawyers	01	01	01
	Security	10	20	25
P4	Technoclass = Technical staff number: supply manager, electrician, mechanic, cleaning ladies, more	27	35	40

May 15, 2014

Note. The University of El Oued, before 2005, was an adjunct university center of the University of Kasdi Merbah Ouargla. Since 2005, the University of El Oued was officially inaugurated and open from 3 faculties in 3 different places. Currently it contains 5 Faculties and one College of Human Sciences and Education: Ahmed Arbia College where I worked until the end of 2013.

Conclusion: This study shows, our University can work successfully only in harmony, i.e. in coordinated interaction of its four SPHERONS (spherical classes), every from which is interested in it and support their harmony from which follows peace ensuring its normal work and life. Absence of harmony is fraught with failures of the University work and its disorganization. In the absence at least one of these classes and harmony between them work of University is impossible. **Prof. Ammar Banni**

These and similar studies of any firms, companies, organizations, institutions, communities, cities and countries scientifically prove a reality, universality, necessity and sufficiency of the global social structure of spherical harmonious classes, SPHERONS, providing peace from their harmony at all levels from local to global as the first condition of life activity of humanity and every individual.

4. Monitoring: Dynamics of Peace and War Priorities in World Public Consciousness in 2014. *Leo Semashko, Ivan Ivanov*

Monitoring of the Internet Data at GOOGLE. Quarterly since 2014, in English and Russian Languages, in Four World's Spheres (SIOT), within the SOCIONOME (Social Genome) Paradigm of Global Peace Science (GPS)

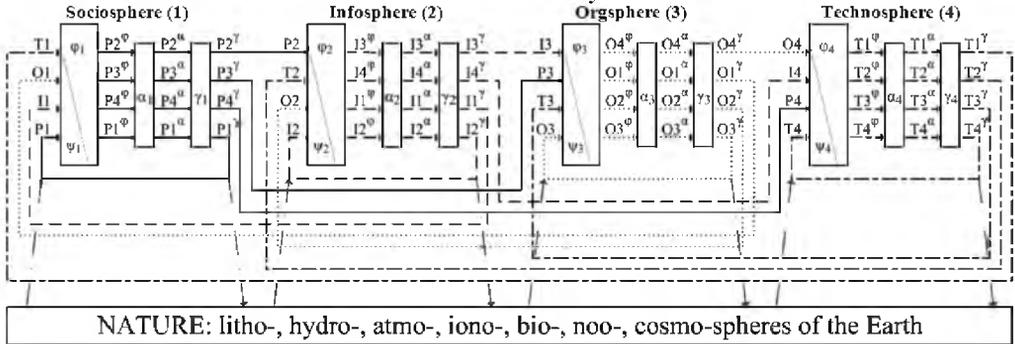
*The Feast in Time of Military Plague?**

* John Wilson (1785–1854), the famous Scottish writer, poet and philosopher wrote the play: *The city of the plague*, dedicated to the London plague of 1665. Alexander Pushkin (1799–1837), the great Russian poet created in this spirit a little tragedy "*The feast in time of the plague*" in 1830, dedicated to the cholera epidemic.

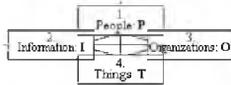
Today, we should ask about the military epidemic of humanity: *The feast in time of military plague?* Our monitoring, which focuses on the diagnosis of global military pathology, answers to this question.

SOCIONOME Scheme

SOCIONOME: Social Genome of Global Harmony and Global Peace of SPHERONS



Model-1. PIOT Resources



Basic Matrix of Spherical

Indices of Resources:

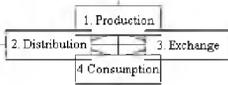
$P = P_1 + P_2 + P_3 + P_4$

$I = I_1 + I_2 + I_3 + I_4$

$O = O_1 + O_2 + O_3 + O_4$

$T = T_1 + T_2 + T_3 + T_4$

Model-2. PDEC Processes



Indexation:

Production: φ (phi)

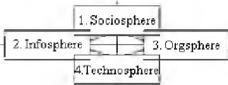
φ_1 - production of people (human resources)

φ_2 - prod. of information (information resources)

φ_3 - prod. of organizations (organizational resources)

φ_4 - production of things (material resources)

Model-3. SIOT Structures



Indexation:

Distribution: α (alpha)

α_1 - distribution of people

α_2 - distr. of information

α_3 - distr. of organizations

α_4 - distribution of things

Exchange: γ (gamma)

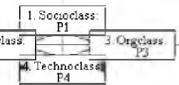
γ_1 - people exchange

γ_2 - information exchange

γ_3 - organization exchange

γ_4 - things exchange

Model-4. SIOT Classes, SPHERONS



Consumption: ψ (psi)

ψ_1 - consumption of sphere-1

ψ_2 - consumption of sphere-2

ψ_3 - consumption of sphere-3

ψ_4 - consumption of sphere-4

Details about SOCIONOME look here:

1. *The ABC of Harmony for World Peace ...* 2012: http://peacefromharmony.org/?cat=en_c&key=585
2. Video, 8 minutes: <http://youtu.be/hbxY5IREOeA>

Monitoring: Dynamics of Peace and War Priorities in World Public Consciousness in 2014

GHA 49th Project

Started: December 26, 2013

Approved by GHA: January 17, 2014

Authors: Project Manager is Dr. Leo Semashko – Russia,

Moderator is Ivan Ivanov, and coauthors are 40 GHA members:

Daurenbek Aubakir, Julia Budnikova, Savita Srivastava, Nicolae Bulz, Leela Pradhan, Raissa Kaziyeva, Madhu Krishan, Uraz Baimuratov, Marie Robert, Bishnu Pathak, Muhammad Khan, Igor Shadkhan, Ernesto Kahan, Maria Cristina Azcona, Ayo Ayoola-Amale, Alexander Semashko, Vera Popovich, Charles Mercieca, Andrew Semashko, Svetlana Vetrova, Piotr Semashko, Svetlana Kuskovskaya, Surendra Pathak, Roxana Sadykova, Susana Roberts, Hedva Bachrach, Marianna Poghosyan, Guy Creque, Adolf Shvedchikov, Maitreyee Roy, Matjaž Mulej, Apostolos Paschos, Athanassios Koumouris, Takis Ioannides, Celia Altschuler, Lida Sherafatmand, Dmitry Delyukin,

from 16 countries: Argentina, Armenia, Ghana, Greece, India, Israel, Kazakhstan, Malta, Nepal, Pakistan, Puerto Rico, Romania, Russia, Slovenia, France and the United States.

Abstract

The proposed monitoring is created by GHA in the process and within of formation of the Global Peace Science (GPS) as its organic part and one of the paragraphs of this book. But monitoring also possesses independent scientific and practical importance. Monitoring the dynamics of peace and war priorities in the world public consciousness/opinion is a unique, innovative and high-tech tool of GPS with wider social designation and application similar to other peacekeeping instruments: Global Peace Index, Happy Planet Index, and etc. The unique scientific and social importance of monitoring is defined the fact that the subject of its research on the basis of theory of global harmony in "*the ABC of Harmony*" (2012)[6] is the source of war and peace – human consciousness, from which, as defined by the UN and UNESCO documents, begins any war and peace. No one science explores the dynamics of its peaceful and military trends. Therefore, our monitoring, which measures the proportion of the war and peace

priorities in the world public opinion by quarters of 2014 is an irreplaceable barometer of objective trends of their increase and decrease depending on the state of global social atmosphere. Of course, our monitoring, making just the first step in its life has already identified a threatening growing priority of military plague in public consciousness but this monitoring is very far from perfection and has many lacks, which will be overcome with time during its wide practical application and scientific development.

Publication:

In English: http://peacefromharmony.org/?cat=en_c&key=588

In Russian: http://peacefromharmony.org/?cat=ru_c&key=610

Table-13. Monitoring of Peace and War Priorities in the GPS SOCIONOME Paradigm through determining the frequency of their terms in GOOGLE

Notes to the monitoring table as its rules:

1. For each term in the table the unit of measure is millions (m) of uses, which GOOGLE shows and which are rounded to the third decimal place, i.e. to thousands.

In the table are the following notations:

0 – is meaning that the search query is not found any pages.

0+ – means that the number of search results is less than 1,000.

0* – means that the search query was found only one page – page of monitoring site:

<http://peacefromharmony.org/>

2. The quantitative data are presented in two versions for each numbered position / line of tables: a) the broadest but least accurate, and b) the most narrow but the most accurate – these figures are expressed in quotes: ". In version a) the request is entered in GOOGLE in the usual format: the query words are separated by spaces. For example: peaceful people. In version b) the request is entered in GOOGLE in quotes. For example: "peaceful people."

3. Quarters: 01/01 – January 1; 04/01 – April 1; 07/01 – July 1; 10/01 – October 1: 2014.

№	WAR, MILITARY	01/01	04/01	07/01	10/01	PEACE, PEACEFUL	01/01	04/01	07/01	10/01
World SOCIOSPHERE (Sphere-1)										
1	War	499	541	500	310	Peace	186	198	153	116
		"498"	"541"	"500"	"309"		"187"	"182"	"184"	"150"
2	Disharmony as cause of war	3,48	3,23	3,08	3,53	Harmony as cause of peace	40,4	41,3	207	222
		"0"	"0*"	"0*"	"0*"		"0"	"0*"	"0*"	"0*"
3	Global world war	833	1020	373	73,3	Global world peace	388	358	114	9,07
		"1,7"	"1,72"	"1,22"	"1,37"		"0,29"	"2,67"	"0,283"	"0,267"
4	Inevitability of war	2,9	2,88	2,65	2,75	Inevitability of peace	1,7	1,7	1,25	1,23
		"0,275"	"0,257"	"0,244"	"0,269"		"0,03"	"0,03"	"0,055"	"0,182"
5	Military people	947	1430	168	10,6	Peaceful people	266	264	24,3	23,7
		"0,391"	"1,94"	"1,15"	"1,08"		"1,6"	"1,5"	"1,09"	"1,13"
6	Military education	782	817	165	10,9	Peaceful education	56	56,2	39,5	467
		"1,34"	"1,83"	"1,21"	"1,32"		"0,047"	"0,006"	"0,006"	"0,006"
7	Military upbringing	3,07	4,17	2,5	2	Peaceful upbringing	8,24	8,13	7,58	0,9
		"0,058"	"0,01"	"0,012"	"0,012"		"0,006"	"0,005"	"0,005"	"0,004"
8	Military medicine	136	127	32,2	2,35	Peaceful medicine	13,3	19,5	8,64	7,77
		"1,55"	"2,14"	"1,49"	"0,946"		"0,011"	"0,012"	"0,012"	"0,013"
9	Military games	252	305	151	149	Peaceful games	60,5	44,7	33,2	29,6

		"0,380"	"0,476"	"0,361"	"0,413"		"0,04"	"0,006"	"0,008"	"0,007"
10	Military mood	71,1	57,8	37,5	38,6	Peaceful mood	19,9	13,8	7,84	7,87
		"0,010"	"0,01"	"0,012"	"0,012"		"0,161"	"0,198"	"0,166"	"0,176"
	TOTAL for Sphere-1	3529,55	4308,08	1434,93	603,03		1040,04	1005,33	596,31	885,14
		"503,704"	"549,383"	"505,699"	"314,422"		"189,185"	"186,427"	"185,625"	"151,785"
World INFOSPHERE (Sphere-2)										
11	Military information	670	854	167	16,3	Peace information	727	651	629	473
		"1,3"	"0,407"	"0,908"	"0,955"		"0,095"	"0,077"	"0,05"	"0,045"
12	War philosophy	189	166	117	54	Peace Philosophy	90,8	96,3	48,5	74,9
		"0,033"	"0,034"	"0,1"	"0,051"		"0,165"	"0,165"	"0,16"	"0,155"
13	Military science	805	865	160	6,98	Peace science	859	555	384	347
		"0,782"	"0,913"	"0,741"	"0,877"		"0,099"	"0,099"	"0,099"	"0,102"
14	World war science	1650	1410	392	88	World peace science	662	520	332	382
		"1,91"	"1,79"	"1,65"	"1,45"		"0,269"	"0,224"	"0,202"	"0,082"
15	Military studies	119	157	45,6	1,62	Peace studies	91,5	103	23,8	3,13
		"0,372"	"0,407"	"0,32"	"0,355"		"0,577"	"0,677"	"0,668"	"0,759"
16	Military strategy	161	142	31,7	1,75	Peaceful strategy	24,1	35,4	15	42,2
		"0,536"	"0,524"	"0,531"	"0,678"		"0,008"	"0,007"	"0,008"	"0,008"
17	Military doctrine	9,15	13,6	5,75	0,793	Peaceful doctrine	5,53	8,03	5,17	4,98
		"0,603"	"0,762"	"0,606"	"0,679"		"0,004"	"0,003"	"0,004"	"0,003"
18	Military purposes	389	441	82,1	214	Peace purposes	307	300	52,9	132
		"0,303"	"0,284"	"0,283"	"0,494"		"0,038"	"0,028"	"0,036"	"0,032"
19	Military propaganda	115	160	83,2	88,2	Peaceful propaganda	41,6	36	19,1	16,1
		"0,122"	"0,113"	"0,109"	"0,114"		"0,008"	"0,008"	"0,009"	"0,007"
20	War media	2720	2680	1070	1010	Peaceful media	138	156	63,9	67,1
		"0,148"	"0,391"	"0,326"	"0,239"		"0,005"	"0,005"	"0,006"	"0,006"
	TOTAL for Sphere-2	6827,15	6888,6	2154,35	1481,643		2946,53	2460,73	1573,37	1542,41
		"6,109"	"5,625"	"5,574"	"5,892"		"1,268"	"1,293"	"1,242"	"1,199"
World ORGSPHERE (Sphere-3)										
21	Military organization	449	480	407	332	Peace organization	395	362	251	192
		"0,459"	"1,49"	"1,09"	"1,26"		"0,171"	"0,162"	"0,139"	"0,15"
22	Military policy	1410	1920	735	553	Peace policy	967	873	524	361
		"1,6"	"1,51"	"1,14"	"1,17"		"0,165"	"0,152"	"0,138"	"0,168"
23	Military budget	256	236	36,5	7,87	Peaceful budget	47,1	47,9	35,3	36,2
		"0,306"	"1,81"	"1,27"	"1,32"		"0,024"	"0,016"	"0,016"	"0,012"
24	War law	1430	1350	569	346	Peace law	650	543	475	424
		"0,102"	"0,131"	"0,109"	"0,119"		"0,083"	"0,117"	"0,107"	"0,098"
25	NATO about war	207	237	134	98,9	NATO about peace	121	127	59,2	42,6
		"0+"	"0+"	"0+"	"0+"		"0+"	"0+"	"0+"	"0+"
26	G8 about war	15,9	21,4	13	9,3	G8 about peace	7,45	6,95	5,56	4,69
		"0"	"0*"	"0*"	"0*"		"0"	"0*"	"0*"	"0*"

27	U.S. government about war	1320	1180	418	28	U.S. government about peace	361	425	279	40,5
		"0+"	"0+"	"0+"	"0+"		"0,001"	"0+"	"0+"	"0+"
28	Russian government about war	392	573	283	305	Russian government about peace	186	177	96,2	80,8
		"0"	"0+"	"0+"	"0+"		"0+"	"0+"	"0+"	"0+"
29	Putin about war	306	553	114	108	Putin about peace	124	151	35,2	23,5
		"0,004"	"0,002"	"0,007"	"0,005"		"0+"	"0+"	"0+"	"0+"
30	Obama about war	1410	1470	362	391	Obama about peace	510	492	142	151
		"0,044"	"0,025"	"0,018"	"0,011"		"0,005"	"0,004"	"0,004"	"0,004"
	TOTAL for Sphere-3	7195,9	8020,4	3071,5	2179,07		3368,55	3204,85	1902,46	1356,29
		"2,515"	"4,968"	"3,634"	"3,883"		"0,449"	"0,451"	"0,404"	"0,433"
World TECHNO(ECO)SPHERE (Sphere-4)										
31	Military arsenal	54,7	93,1	39,2	32,8	Peaceful arsenal	4,75	52,9	2,36	2,61
		"0,134"	"0,131"	"0,143"	"0,143"		"0,001"	"0+"	"0+"	"0+"
32	Military weapons	323	327	132	169	Peaceful weapons	34,5	32,4	13,6	12,7
		"0,515"	"0,558"	"0,536"	"0,283"		"0,011"	"0,003"	"0,012"	"0,014"
33	War technics	14,8	12,7	5,29	5,16	Peace technics	1,61	78,4	98	84,8
		"0,003"	"0,004"	"0,004"	"0,004"		"0,001"	"0+"	"0+"	"0+"
34	Military tests	432	709	198	49,4	Peaceful tests	58,7	41,5	6,49	6,03
		"0,08"	"0,085"	"0,065"	"0,064"		"0,001"	"0,001"	"0,001"	"0,001"
35	Military nuclear energetics	54,6	46,5	62,5	67,8	Peaceful nuclear energetics	0,249	0,211	0,222	0,208
		"0"	"0*"	"0*"	"0*"		"0+"	"0+"	"0+"	"0+"
36	Network war	1370	1190	633	355	Network peace	548	404	290	250
		"0,192"	"0,33"	"0,204"	"0,187"		"0,027"	"0,027"	"0,033"	"0,029"
37	War-industrial complex	117	79,3	47,4	28,7	Peace complex	204	163	66,7	55,1
		"0,267"	"0,247"	"0,271"	"0,08"		"0,016"	"0,015"	"0,017"	"0,003"
38	Competitive war	178	140	111	114	Peaceful competition	26,1	25	11,1	32,5
		"0,062"	"0,013"	"0,015"	"0,017"		"0,036"	"0,04"	"0,04"	"0,04"
39	Economic war	617	569	117	8,33	Peaceful economy	46,5	43	20,4	15,2
		"0,514"	"0,668"	"0,481"	"0,579"		"0,011"	"0,01"	"0,012"	"0,01"
40	Ecological war	20,4	13,4	14,1	14	Peaceful ecology	3,96	4,15	2,61	2,78
		"0,026"	"0,021"	"0,031"	"0,006"		"0,004"	"0,005"	"0,005"	"0,004"
	TOTAL for Sphere-4	3181,5	3180	1359,49	844,19		928,369	844,561	511,482	461,928
		"1,793"	"2,057"	"1,75"	"1,363"		"0,108"	"0,102"	"0,121"	"0,102"
TOTAL for the Four Spheres of World Society										
	TOTAL for WAR	20734,1	22397,08	8020,27	5107,933	TOTAL for PEACE	8283,489	7515,471	4583,622	4245,768
		"514,121"	"562,033"	"516,657"	"325,562"		"191,01"	"188,273"	"187,392"	"153,519"
	TOTAL for WAR in %	~71 %	~75 %	~64 %	~55 %	TOTAL for PEACE in %	~29 %	~25 %	~36 %	~45 %
		<i>First Priority</i> ~73 %	"~75 %"	"~73 %"	"~68 %"		<i>Second Priority</i> ~27 %	"~25 %"	"~27 %"	"~32 %"

Conclusion:

Monitoring peace and war priorities in the world public consciousness in GPS SOCIONOME Paradigm in English Language through GOOGLE registered:

THE PRIORITY BELONGS TO WAR EXCEEDING PEACE PRIORITY ABOUT 3–9 TIMES.

IN THE RUSSIAN LANGUAGE IT IS ABOUT ALSO 3–9 TIMES.

The first quarterly monitoring on January 1, 2014 showed that, in public consciousness, the priority of war EXCEED peace priority, at least 3–9 times, and actually still is many times greater in view of the vast array of secret military information of numerous military ministries and departments BEYOND Internet and public consciousness as shown by Snowden and Wikileaks revelations. Military information is like an iceberg, the available part of which in the Internet is only the smallest part.

This fact can be interpreted in only one way: it means that humanity today feasts, especially on unlimited consumption of the rich countries and on the arms race, in time the plague (rule) of military consciousness may dominate everything. There are no other evaluations. We think that public consciousness can be treated and released from militaristic plague with help of GPS, the transformative work of peace-makers around the world, and acceptance of the Constitution for the Federation of Earth [14].

In such dominance of military consciousness, what is surprising is not this fact but why humanity does not start out with a total war of all against all? The answer to this question and its explanation gives the GPS first chapter: total war of all against all is excluded by harmonious spherical classes – SPHERONS, which define the insurmountable social, political, economic and spiritual potential of global peace that is revealed in GPS.

Our monitoring is intended to show the trend of the military plague of consciousness, asking: does it grow and foretell war's expansion for the people of Earth and acceleration of the arms race or does humanity suppress it spontaneously with cures from this militaristic pathology, even in small steps? This trend today is unknown to anyone, any nation, institution or government, even the UN and UNESCO. Only similar monitoring organized by any government, institution and international organization is able to show what is happening with the military offshoots in world consciousness: do they grow and do we find ourselves deeper in their pathology or are these declining and humanity is released from them gradually?

The scientific answer to this question, at least approximately, in such monitoring is essential for global peace, for human survival, including everyone on the planet. This is because the prevalence and growth of the military mind as the beginning of all wars calls into question the most valuable for everyone – life and the most important human right – the right to life.

Moreover, the weapons as the main war tool, have created a military intelligence, ruining the economy not only during the fighting but also during its peace production undermining the economy from within and transforming a whopping set of useful resources in useless and harmful. The weapons production devours GDP growth, the economy drowns in endless economic and financial crises that we see now. The official (understated) 2% of GDP for military spending threatens to engulf the other 98%. Therefore, our monitoring is a barometer not only of peace and war but also the economic health of humanity.

Comments and short explanation of the Tables

Definitions of peace and war in Wikipedia are:

Peace is an occurrence of harmony characterized by the lack of violence, conflict behaviors and the freedom from fear of violence. Commonly understood as the absence of hostility and retribution, peace also suggests sincere attempts at reconciliation, the existence of healthy or newly healed interpersonal or

international relationships, prosperity in matters of social or economic welfare, the establishment of equality, and a working political order that serves the true interests of all [15].

War is an organized and often prolonged conflict that is carried out by states or non-state actors. It is generally characterised by extreme violence, social disruption, and economic destruction. War should be understood as an actual, intentional and widespread armed conflict between political communities, and therefore is defined as a form of political violence or intervention. The set of techniques used by a group to carry out war is known as warfare. An absence of war is usually called peace [16].

Glen Martin's extended editing these definitions is given in italics:

Peace is an occurrence of harmony characterized by the lack of violence, conflict behaviors and the freedom from fear of violence, *within institutions that are democratic, pluralistic, and founded on the common good of all*. Commonly understood as *not only as the absence of hostility and retribution*, peace also suggests sincere attempts at reconciliation, the existence of healthy or newly healed interpersonal or international relationships, prosperity in matters of social or economic welfare, the establishment of equality, and a working political order that serves the true interests of all.

War is an organized and often prolonged conflict that is carried out by states or non-state actors. It is generally characterised by extreme violence, social disruption, and economic destruction. War should be understood as an actual, intentional and widespread armed conflict between political communities *or other organized groups*, and therefore is defined as a form of political violence or intervention. *It includes human relationships predicated on domination, or victory, over a perceived enemy, and hence, as such, precludes reconciliation, dialogue directed toward mutual understanding, or other forms of democratic, nonviolent interpersonal or international relationships*. An absence of war is usually called peace. *However, peace, as noted above, moves far beyond the absence of war to a positive condition of interpersonal and institutional harmony*.

Comments to the Tables

1. The Monitoring Tables in Russian (RU) and English (EN) languages are a sociological observation of a quality of uses in the Internet presented in the tables terms "peace" and "war" in the numerous variants/positions through GOOGLE search engine to rate, control and forecast their. Of the many Internet search engines, GOOGLE is selected as the most powerful and universal. Our Monitoring is a constant barometer of state of world public consciousness/opinion on such important attributes and dimensions of global society as peace and war in two of the plurality of linguistic areas of the Internet – RU and EN.

2. The tables' key terms and concepts are "peace" and "war" with their adjectives: "peaceful" and "military."

3. In Russian, the word "peace" has two very different meanings: (a) **the world** as a universe and (b) **peace** as a state of society in the absence of war. In English, they are expressed in different terms: "world" and "peace", which is clearer than in RU. The problem of specification for term "peace" in Russian language is solved by the inclusion of the following clarification: "peace (war absence)" as it is used in Wikipedia RU.

4. Of the colossal polysemantic and multidimensional space of meanings "peace" and "war", we selected 40 concepts in one of the lexical expressions to form in tables the numbered horizontal position identical for columns "peace" and "war". These 40 concepts include 10 concepts corresponding to the four world spheres of global society and to the analogous spherical classes of the population [6, 34–36], employed in them. (Spherical classes are unfolded in the special chapter in the GHA's new book.) This ensures a uniform and balanced representation of these spheres and their classes in the tables.

5. These spheres in a single coherent and holistic system of global society are presented in SOCIONOME – social genome of global harmony/peace [6, 40–41]. SOCIONOME is a basic theoretical sociological paradigm for the tables and for global peace science as a whole, the instrumental part of which they are. SOCIONOME provides tables by the main – stable global social structure of positions on four fundamental spheres of the world society as a whole, which are areas of global harmony and world peace simultaneously. The greater precision of tables requires in the 2–5 times more positions to reduce the level of their errors, but because of the enormous complexity of their analysis and calculation it is not possible on the GHA's voluntary basis. This is a task for their future development in the institutional framework.

6. Considering the relativity of GOOGLE data, they are intended not for absolute quantification of different semantic features of "peace" and "war" but only to compare them both vertically (columns) and horizontally (on positions) as well as between spheres that will allow to determine the appropriate

quantitative proportions and priorities. This is the main purpose of tables, which provide monitoring priorities of war and peace in the world public consciousness/opinions in its dynamics by quarters of each year, starting since 2014. It begins with global peace science (GPS).

7. Of course, these tables have many limitations caused by many different reasons, but over time they, like any scientific tool, will be improved. Despite their limitations, the list of which we summarize at the end of 2014, these tables allow us for the first time to monitor dynamics of priorities of war and peace in world public opinion that is not done by anyone else. Therefore, scientific and practical value of these tables is difficult to overestimate. They are important for scientific research and for various international peacekeeping and political organizations, including the UN and UNESCO, concerned with the state of global peace and the dynamics of its secondary priority compared with the primary priority of the war, which is found in almost every cell of the tables.

8. On the toughest request: "Global/world peace science=book/article" GOOGLE says: "no results." This means that in the global search engine is no information about any book or article of the same title that confirms full absence of this science.

9. The monitoring tables can exist in a variety of options, among of which our version is only one of many. We enumerate their other options:

- (1). Not in two languages (RU and EN) but in six, at least, the UN official languages,
- (2). Not in the quarterly but in monthly and others time formats,
- (3). Not for 40 but for 80, 120, 160 or 200 content items,
- (4). Not only for the world as a whole but also for the continents, regions, countries and other major spatial formats,
- (5). On separate habitats of world religions and so on.

The formation of similar tables and their monitoring – is a colossal and constant job requiring special scientific international Institute in the UN or UNESCO. For this work the forces and opportunities of the GHA volunteers are clearly insufficient.

10. The GHA is currently considering the establishment of a network of similar monitoring centers in India, Africa, Europe, Russia, Kazakhstan and other countries and continents. On the basis of this project, the TV program "War and Peace" has also been established to discuss the dynamics of the priorities of peace and war in public consciousness, which is the first source of any war and any aspirations to peace as recorded in UN and UNESCO documents. It will be a strong barrier to new wars.

Brief explanation of the meaning, purpose and importance of monitoring (Its detailed explanation is GPS in a whole)

As is well known, war and peace begin with the consciousness that is written in the UN Charter [17] and UNESCO Constitution [18]. Therefore, the meaning of proposed monitoring is to constantly observe the dynamics of war and peace priorities in the public consciousness within various parameters/positions in four world spheres, presented in SOCIONOME as the quintessence of global peace science produced in the GHA.

In this monitoring the paramount importance has no figures as quantitative values of different positions but the proportions or reciprocal relationship between them as on the table columns and horizontally between positions and also among the spheres, consequently, between the spherical classes, active in these spheres.

As our tables demonstrate in RU and EN, modern people, including scientists and governments, prefer to talk and think more about war than about peace approximately 3–9 times more. The scientists prefer many times more to explore war than peace. The "military growth" concerns humanity almost in 6 (RU) and 60 (EN) times more than the "peacemaking growth," as shown in a comparison of relevant data of GOOGLE. The Internet is filled with themes of inevitability of a third world war, a war with Muslim world, Iran, North Korea, China, Russia, U.S., NATO and so on, with almost every country.

Therefore, the public consciousness of modernity has a pronounced military priority – this is militarist consciousness and thinking of dying modern industrial civilization. In modern public consciousness, about one-quarter is peaceful and three quarters – is military and

militaristic, as shown by this study. With all its limitations and possible deficiencies, it is convincing empirical evidence of the war priority and not peace in modern public consciousness. Sadly, war is considered at least three times more important and valuable and urgent than peace. The data for some items are staggering in comparison with the monstrous, in thousand times or more, prevalence of military priorities.

According to scientists-historians, in the history of mankind there have been *over 15,000 wars, in which up to 3.5 billion people were killed. Therefore, human history is recognized as "the history of self-destruction". "We could say that humanity has always fought in history. Historians estimate that for the past 5500 years, people have been able to live in peace for only a paltry 300 years, which means that civilization lived in peace in every century for only a week"*[19]. As seen from the monitoring, humanity does not intend to depart from this suicidal tradition, continuing to give priority to war instead of peace and keeping its lack of peace consciousness. At humanity, as monitored, there is no science of the global peace, capable of consolidating its peaceful mind and giving it precedence over military consciousness and military practice.

Of course, the public consciousness, as shown by its "peace/war" monitoring, is full with contradictions and paradoxes. If one speaks about self-destruction of mankind in these wars, then others, such as Steven Pinker, claim that "*we are living in the most peaceful era in human history*" after WWII [20]. Pinker ignores the arms race and perpetual increase of military spending. At the same time, according to R. Jackson [21], since 1945 the planet has experienced just 26 days of peace.

In the Global Peace Index, it claims that the United States constantly raises the level of peace and that Russia lowers it continually [22]. However, according to the independent information center "Common Dreams", the opposite is true: *The U.S. is the "Biggest Threat to World Peace"*, is measured at 24%, and the threat of Russia is measured at 2%, which is 12 times less than the threat of America [23]. Other fact says: "*The Federation of American Scientists has cataloged nearly 200 military incursions since 1945 in which the United States has been the aggressor*"[24]. Such facts of monitoring, which we use throughout this book, attest the great uncertainty of public peace consciousness. It remains devoid of the common objective, i.e. scientific foundations and landmarks for understanding and evaluation of global peace.

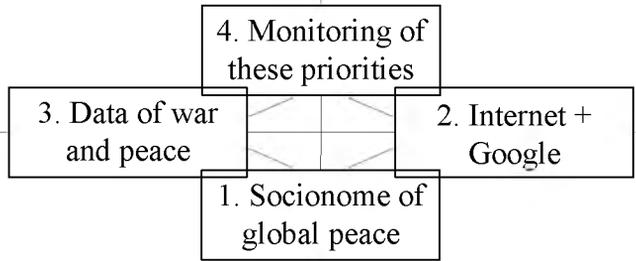
The peaceful mind has lagged behind the military mind, judging by the development of appropriate science, by more than 200 years. Military science began since 1799 [25] and global peace science (GPS) began only in 2012 with *the ABC of Harmony for World Peace...* [6], which finds its development in a special expression of the scientific theory of global peace in the GHA corresponding book only in 2015 [26].

Monitoring the dynamics of peace and war priorities in the world public opinion has no less global importance and no more deficiencies than other peacekeeping tools of similar nature such as the Global Peace Index [22], the Happy Planet Index (aspiring to reflect the real welfare of the nations [27]) and the like.

Monitoring social consciousness within the dynamics of its priorities of war and peace – this is one of the essential and high-tech innovative tools of global peace science.

The final generalizing model of Tetranet thinking* for our monitoring builds on the following chain of key concepts, expressing its harmonious whole from start to finish: 1. Socionome of global peace – 2. Internet + Google – 3. Data of war and peace – 4. Monitoring of these priorities.

Model-4. Epistemology of monitoring in global peace science



* Philosophy and methodology of the four-dimensional harmonious holistic and network thinking, abbreviated – Tetranet thinking found a detailed study, expression and application in *the ABC of Harmony* [6, 68–79, etc.] and its previous works, summarized in it.

5. Program of Statistical Study of SPHERONS of Educational Institutions

Leo Semashko

The Sociological Statistical Study (SSS) of Dynamics of Global Social Structure (Four Spherical Classes of the Population – SPHERONS) at Level of Base Educational Institutions (BEI) – School, College and University is only a little part of the GHA fundamental study: "*Dynamics of the Global Social Structure of Spherical Classes: Example of India, USA, Russia and Kazakhstan since 1950 by Decades*" (below), which is the empirical basis for GPS [28]. A similar elementary research can be carried out in any organization and not just in the BEI.

1. SSS Purpose

The SSS purpose is in statistical expression of the dynamics of global social structure as dynamics of spherical classes at the BEI level: separate schools, colleges and universities of the world since 2000.

For simplicity of SSS, we assume it only for four time points: 2000, 2005, 2010 and 2013, which are enough to scientifically determine the underlying trend in the dynamics of spherical classes in BEI. The elementary researches within SSS will be a part of the Global Peace Science empirical base of and will be published in its book along with fundamental research at the countries level: USA, Russia, India, etc.

2. SSS Hypothesis

The SSS hypothesis is the assumption about existence of universal spherical classes, expressing global social structure on all social levels starting from family and the and most simple, vivid and accessible to direct observation of schools, colleges and universities and the possibility of statistical representation of these classes in the spherical aggregated indices.

The proof of this hypothesis is the scientific meaning for SSS determining its colossal scientific significance as a revolutionary scientific discovery of spherical harmonious classes, which are not yet known for social science. Therefore, the study of these classes still nowhere and never carried out in the world, them still nobody tried to count with the sole exception in the book: *Tetrasociology: Responses to Challenges* [5].

Anyone, who will hold the similar elementary SSS, available every literate person, will be involved in this landmark scientific breakthrough in human history and will be able to understand it deeply.

3. SSS Task

The SSS task is to prove the existence of spherical classes expressing global social structure and the possibility of their statistical representation in spherical aggregated indices at the simplest level of BEI.

4. Statistics of Spherical Classes, SPHERONS at a BEI Level

Statistics of spherical classes is a fundamentally new scientific technology and instrument of Tetrasociology. The spherical classes have different content in different branches and often have disparate statistical expression in different countries and at different periods of the same country. Therefore, traditional statistics are insufficient and unsatisfactory for quantitative expression of the spherical classes' dynamics in different countries. Traditional statistics is not suitable to count them, as well as to quantify the global social structure but it is a necessary information base to form spherical aggregates.

New, spherical statistics of the aggregated spherical indices was created together with discovery of spherical classes, which are built (aggregated) from traditional statistical indices. The theory of spherical statistics has been unfolded in several books but most of all in the already mentioned *Tetrasociology* in the section "*Discovery of sociological statistics*" (p. 48–51) and in *the ABC of Harmony* in section "*Statistics of Harmony Elements*" (p. 51–54). We will not repeat here this theory but only briefly express its features necessary for our SSS.

1. Spherical Statistics is built on alphanumeric indices of the PIOT resources, called by the spherical indices, of which constitute the necessary row of matrix 4×4 to a power of "n", where "n" is a line of natural numbers.

2. For SSS concerning only one resource – People employed in BEI, it is enough to have spherical indices only of this class, which is presented in the following them line:

$$P = P1 + P2 + P3 + P4,$$

Where P – quantity/number of people of studied object: in our SSS it is any BEI,

P1 – Socioclass employed in the Sociosphere: for any BEI it is the teachers and students;

P2 – Infoclass employed in the Infosphere: for any BEI it is the librarians and the like;

P3 – Orgclass employed in the Orgsphere: for any BEI it is the managers of all levels;

P4 – Technoclass employed in the Techno(eco)sphere: for any BEI it is the technical staff.

3. Indices P, P1, P2, P3, P4 have a single standard unit of measurement in thousands of people or just people.

4. An index of P1 (Socioclass) for any BEI is the sum of two parts: the number of status employed (teachers, working in any BEI) and occupied by educations – students. Then $P1 = P1w + P1s$ and $P = P1(P1w + P1s) + P2 + P3 + P4$.

5. The number of any BEI in any given year is the sum of its four spherical classes: $P = P1(P1w + P1s) + P2 + P3 + P4$. This is a fundamental law of the spherical classes at all levels from family, BEI, city, country up to the world as a whole.

The preparation of these indicators for any BEI in the indicated periods (2000, 2005, 2010 and 2013) is the desired end result of SSS.

The indices of number of population, people and all of their social groups are key for scientific knowledge of society and for calculation of other social indices. The spherical classes are objective alternative to Marx's antagonistic economic classes and all other private groups that constitute the source of all social violence, injustice and war in any society.

5. Table of Indices for Spherical Classes of any BEI

The table below for indices of the BEI spherical classes is a methodical algorithm for their formation in SSS. It is an algorithm of aggregating (summing) the traditional statistical indices in the spherical indices. The branches' titles in the table are borrowed from the State Statistics of Russia. In other countries, they may be different.

The report on each BEI in any country is exhaust by Table-1.

SSS of the BEI: Title of School, College or University, City/Town, Country, the year from which the BEI started to work.

Author: Name, position, address, E-mail and phone

Table-14. Dynamics of SPHERONS in this BEI in thousands of people or in persons since 2000 to 2013

Spherical indices	The employed	2000	2005	2010	2013
P	All People in a BEI: $P = P1 + P2 + P3 + P4$				
PI	Socioclass. $P1 = P1w + P1s$				
P1w	$P1w =$ sum of the employed in branches of sociosphere:				
	Education – Teachers number				
	Health – Medical Staff number				
P1s	$P1s =$ Students number				
P2	$P2 =$ sum of the employed in branches of infosphere:				
	Librarians number				
	Bookkeeping number				
	Other information service number				
P3	$P3 =$ sum of the employed in branches of orgsphere:				
	Management staff of BEI at all levels				
	Lawyers				
	Security				
P4	$P4 =$ Technoclass = Technical staff number: supply manager, electrician, mechanic, cleaning ladies, more				

Date: _____, 201?

The Table-1 includes in the total 15 indices, for four years – 60 statistical data.

The SSS task of any BEI for each country is the same. Only the identity of statistics provides their full-scale internal comparability within them and across countries and regions.

The SSS report for each educational institution in each country is limited by four years: 2000, 2005, 2010 and 2013, and is expressed as a single complex of 7 spherical indices and 10 branch indices, from which the spherical indices are made. The spherical indicators P1s and P4 are identical to the branch indices. The report is limited by this Table that makes it available to any teacher.

The SSS report fulfillment is very simple, in three steps and does not require much time: maximum of 2 – 8 hours, depending from the availability of the necessary statistical information.

Step 1. The researcher in this SSS prints on the home computer printer the Table-1 on one page.

Step 2. In the BEI archives or in its Bookkeeping department the researcher records the statistical data of 10 branch indices to Table-1 for 4 years: 2000, 2005, 2010 and 2013.

Step 3. The researcher summarizes these data and receives the remaining 5 indices in Table 1. The filled Table-1 is stored in a separate electronic document, which is sent by e-mail attachment to the Editor in Chief of the GPS book: Dr. Leo Semashko: leo.semashko@gmail.com

6. Dynamics of SPHERONS in India, Russia, USA and Kazakhstan for 1950–2010 by Decades

Program of Comparative Sociological Statistical Study (CSSS) Updated and abridged edition of the CSSS Program 2013.

Full CSSS Program 2013 is published here: [28].

Authors: Dr. Leo Semashko, Project Initiator and Manager, Editor in Chief and 18 GHA coauthors: Glen Martin, Charles Mercieca, Bruce Cook, Harry Gensler, Laj Utreja, Maitreyee Roy, Surendra Pathak, Subhash Sharma, Subhash Chandra, Bishnu Pathak, Uraz Baimuratov, Raissa Kaziyeva, Ayo Ayoola-Amale, Heli Habyarimana, María Cristina Azcona, Celia Altschuler, Ammar Banni, **From 10 countries:** Algeria, Argentina, Ghana, India, Kazakhstan, Nepal, Puerto Rico, Russia, Rwanda, USA

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I. Research

1. Introduction. Global Social Structure of SPHERONS: Globalization of Sociology, Statistics and Social Science in Whole

*We, sociologists, need statistical data no less than theory
if that theory is to become useful in solving problems.*

Bernard Phillips, sociologist, USA, 2003

The theme of the proposed sociological study (CSSS) fits well into the context of the problems of modern world sociology, statistics and social science as a whole. But it is necessary to understand and express as motivation of this CSSS and its world signification.

World sociology has long been studying the processes of globalization that mark, in its definition, a special era – the Age of Globalization – in recent history. This era has put social science (sociology, statistics, demography, economics, history, political, law, cultural, psychological, and similar sciences) in the face of a global cognitive challenge – the study of a single global reality. This is an unprecedented challenge which social science has not been able to face in the past.

World sociology's first response to this challenge has emerged in the new self-determination of sociology as a "global" sociology. Its most detailed analysis is presented by Professor of Sociology Michael Burawoy, President of the International Sociological Association (ISA).

Michael Burawoy, in his 2010 report "*Facing the Challenges of Global Sociology*", analyzed the current state of global sociology. He has kindly agreed to have this report published on the GHA website [29]. He estimates global sociology as "*the most ambitious project*" for himself and for ISA, which "*requires the development of alternative theoretical framework and research.*" Our CSSS fits this requirement.

Michael Burawoy proposed: "*My program would be to erect a global sociology on three legs, three Ms – Media, Membership, and Message.*" A more advanced version of global sociology requires the fourth, fundamental leg – global social structure with global statistics expressing it. This structure defines this statistics but its knowledge is impossible without quantitative expression. Therefore, global sociology and global statistics are inseparable on the basis of a single global social structure.

This CSSS has been the first scientific empirical research to address this problem. Global social structure will help scholars to understand global sociology and global statistics, moving from a geographic level to an essential social level. This will constitute a qualitatively new, global, social science, with qualitatively new reality of global social structure in two inseparable aspects – sociological and statistical. Such a structure would be the fourth most fundamental dimension of global sociology and would also the deepest challenge for it and social science as a whole. Therefore the empirical statistical study of this structure is crucial.

One of the main missions of global sociology, in Burawoy's opinion, is integration with other social sciences "*through the building of constituencies, publics, outside the academy,*" and in this way to be "*a bastion of defense not only against the ascendant privatization and commodification of knowledge, but, more broadly, against new forms of commodifying labor, money, and nature that are generating cumulative crises of the 21st century*" and against "*the twin forces of market and state threatening the autonomy and existence of universities world-wide.*"

Global social structure provides integration of sociology and statistics and, through it, integration with other social sciences: demography, history, economics, political science, and others, perfectly illustrating this CSSS and expressed in *the ABC of Harmony* (see below). This approach can ensure globalization of the social sciences and the best performance of their global mission with building of its constituencies, publics (outside the academy), retaining its autonomy and the existence of universities world-wide.

Therefore, the proposed CSSS is extremely important for the integration and synergy of social sciences in their globalization, which will strengthen their social mission in the 21st century of global humanity. CSSS is the first pilot sociological and statistical study of global social structure, and other social sciences will be unable to ignore it. Without this research it will be difficult to attain globalization, integration and synergy of Social Sciences in the 21st century. This is their need and natural course of development in the new age.

From the point of view of Burawoy, a global sociology integrates and develops the four inseparable qualities: "*I think of sociology as having four moments – public to be sure, but no less important professional, critical and policy. Each depends upon the others...*" Only in this way can global sociology "*contest such centrifugal pressures, and, more generally, endeavor to bridge the many geopolitical divides and build a global community of sociologists...and in this way forge a more dynamic ISA...Sociology – the best sociology – matters, not just for us but for others too. The world needs sociology, a global sociology attentive to global issues.*"

Global social structure has played a key role in overcoming the centrifugal fragmenting forces, uniting diverse geopolitical sections and building not only the global community of sociologists and a dynamic ISA, but also humanity as a whole.

Global social structure, a single effort at all levels from global to local and personal, possesses different expressions in different social sciences, removing polarization of these levels and the fragmentation of their knowledge in each discipline. Global social structure has the same key meaning for globalization and the synergy of other social sciences in order to overcome their centrifugal forces and their exit to the level of providing a joint scientific solution for global problems of the 21st century.

Any attempt to study global social structure will support those scientific organizations that seek to create a global social science, especially global sociology together with global statistics. CSSS is a synergistic attempt of their simultaneous construction in a united study. The CSSS subject – global social structure of spheral classes of the population – constitutes global sociology and global statistics as a new fundamental and inalienable social science. It has great potential to yield knowledge that will prove useful to all people, nations and governments of the world, allowing them to understand their deepest social cohesion and offering them a new sociological and statistical language for joint scientific achievement, overcoming the problems of incoherence, fragmentation, mutual enmity, alienation and misunderstanding.

CSSS has great potential to provide a united global social knowledge of humanity not only for sociology and statistics, but also for all social sciences. But first of all – it places sociology and statistics in a symbiotic relationship. This is the most urgent task of our social cognition. This knowledge can lead to conscious decisions, based on comprehensive social scientific knowledge and therefore excluding any violence, in a welcome transition of humanity to a global harmonious civilization.

2. CSSS Scientific Problem and its Restrictions on Countries and Period

The CSSS Introduction, above, outlines a scientific problem that has arisen within global sociology, and more broadly – in the social sciences in the Age of Globalization. This scientific problem can be defined as: **identification (selection), statistical expression and explanation of the global social structure of spheral classes of the population (SPHERONS) in their comparative dynamics. In this study, we compare four countries.** Of course, ideally, the identification of this scientific problem should include all countries of the world, but this is possible only in a future phase of the study, and will involve resources many times greater than what is available today. This initial four-country stage helps to determine the CSSS pilot character, and stands as the first systematic attempt of empirical study for this scientific problem.

The selection of countries for this study was not random. Including India, USA, Russia and Kazakhstan, it covers a range from most numerous (India – 1.2 billion) to the less populated (Kazakhstan – 17 million), from developed countries (the U.S.) to those developing at different levels, providing a wide range of external manifestations.

Similarly, the sample of study period in these countries: 1950 – 2010 years (60 years) is not accidental also, as it covers a period of relatively balanced development after the Second World War. This is the longest period in modern history that is available to compare the dynamics of global social structure in relatively stable status, being approximately the same for all countries in the world environment.

Recommendation to statisticians: All indices calculate for each country within the same geographical boundaries of one year, the best in the last accounting year. By 2010, figures for other years should be corrected according to changes in the geographical boundaries of country in previous years. All of the statistical studies of countries **should begin to reverse the historical count, beginning since 2010**, to modify national statistics for the past years to the geographical boundaries of 2010.

The division of study period by decades and identification for the national development of seven time points: 1950, 1960, 1970, 1980, 1990, 2000 and 2010 is identified by the pilot

nature of this study and the need to compare the dynamics of global spheral classes among these countries in the first, most general and large-scale approximation. For the beginning, this scale is small enough to avoid complicating the study.

In the future, nothing prevents studying in closer approximation, for example, five years, two years, or yearly. This opens up almost unlimited prospects for the study of dynamics of global social structure in each country in any period, at endless comparative complexes, for different scientific and practical purposes.

3. Object and Subject of CSSS

The object of CSSS is the population of four countries. Population is an objective reality of any social structures and groups of people, including universal / permanent global social structure and its social actors in the face of spheral classes / groups. It is universal, but the latent structure and its universal and latent social actors (classes / groups) remain unknown to science.

The subject of CSSS is four spheral classes of the population of selected countries (India, USA, Russia and Kazakhstan) in the period 1950–2010, together with dynamics of social, spiritual, political and economic harmony and justice between these classes. Spheral classes or SPHERONS are a special theoretical division of the population of any country on the universal basis of its employment in the four main spheres of social production. Spheral classes cover the entire population, without exception, as each person at all times of their life from birth to death being busy (employed, occupied), anyway, in the spheres of production, that remain unknown to the relevant scientific knowledge. For detailed explanation of the spheral classes on the basis of their employment, see below in the appropriate sources.

4. Theoretical Substantiation of Spheral Classes of Population as Global Social Structure

This section focuses on the key theoretical clarification and interpretation of CSSS basic concepts and preliminary system analysis.

The central concept of study is "spheral classes of the population," or shorter "spheral classes." Through them "global social structure" is determined in this CSSS.

The concept of "spheral classes" was first used by Leo Semashko in 1976 [30] and since then its theoretical development has passed many stages, as reflected in the author's 12 books (see below), not counting his numerous articles. This concept earned the author a title of "dissident" in sociology of the Soviet Union because it is contrary to the Marxist economic definition of classes. In fact, Marxist economic definitions are still presenting Russian sociology, preserving the Marxist tradition in its theoretical depth, seemingly ignorant of other thoughts on social structure and pressing against any non-Marxist its understanding [31].

From multiple sources on spheral classes, perhaps the most reasonable and professional is Leo Semashko's book: *Tetrasociology: Responses to Challenges* (2002), prepared and dedicated to the 15th ISA World Congress of Sociology in Brisbane, Australia, 2002 [5], where it was presented at many sessions of the Congress. A detailed definition of these classes was first published in this book, in Russian and English, in the section "Discovery of sphere classes as actors of social harmony":

"Spheral classes represent four natural big groups of people covering the entire population of the world..., which are differentiated to spheres of their main productive employment. Equal social necessity for their employment makes them fundamentally harmonious, cooperative, fraternal and eliminating antagonism. Spheral classes are equally necessary for society, sufficient together but they are unequal within and among themselves on stratification criteria."(p. 70, with a little modern editing)

Here, for the first time, the calculation of statistical indices of spheral classes for the population of Russia in 1991 and 1996 is given, as well as the definition of each of these classes.

Four spheral classes that make up global social structure are:

1. **Socioclass** employed in Sociosphere,
2. **Infoclass** employed in the Infosphere,
3. **Orgclass** employed in Orgsphere,
4. **Technoclass** employed in Technosphere.

The sole and a fundamental criterion for distinguishing these classes is employment in one of the four spheres of social production, uniting the relevant branches. This category is central in definition of global social structure for this study.

Employment is a universal natural and living characteristic of humans from birth to death. Therefore, for this study, the terms "employment", "productive employment" and "living, natural employment" are synonymous. Employment of spheral classes in the spheres of production (societal spheres) is "spheral employment." Spheral employment consists of "branch employment" of people in one of the branches, which, in turn, consists of "individual employment", i.e. employment of individuals in this or that sphere. The human belongs to all sphere classes, as he/she is employed every day in all spheres, moving from one sphere of employment to employment in other spheres. Every day a person is employed in every sphere of at least a minimum time, and this creates a special challenge in his/her spheral identification. **It can be determined only by one criterion – the criterion of "main employment" in one sphere.** This employment is the individual's longest on-time employment among all types of spheral employment and has a number of formal criteria: status, position, education, training, etc. Main employment is "status employment" or "working population."

Non-working people (non-working population) – there are all non-working groups in Sociosphere: preschool children, students, pensioners, disabled, jobless and so on. They are different from other groups (from working population) their own "**self-production**", which is the main employment of these groups. The non-working population is the largest part of Socioclass, another part of which is the working population by status in Sociosphere. Socioclass is sum of these two parts.

At each stage of life a person have one main sphere in which he has been employed for the longest time. He/she belongs to this or that spheral class at each living stage by this criterion of main employment. Therefore, the sphere classes are "soft", with no harsh economic, legal and other formal boundaries, and therefore "invisible", natural and spontaneous, classes that are visible only for the scientific, theoretical vision. But that does not prevent them to be the universal, fundamental and eternal components of global social structure in all of human history, although they remain unexplored and spontaneous so far. At the same time, it makes them less accessible and therefore most difficult to understand. Therefore, they are still largely unknown and have not been investigated. CSSS is the first systematic attempt to study them and to overcome the epistemological obstacles on path of them knowledge.

On the surface of these soft and invisible, but universal and natural spheral classes of the population, unbound by any formal criteria except the main employment, form the historically transient classes and social structures. These are limited by various private economic, legal, social, spiritual, and similar criteria. Every era and civilization creates on the natural foundation of spheral classes the specific (temporary) social-class structures: castes, slavery, estates, economic classes (Marx), strata, etc., which are constantly replacing each other in history. They create the disharmonies as the sources of wars.

Status employment in the spheres is employment in one of the spheral branches. The Tables of branches of each sphere are presented in the book *Tetrasociology*, see section "Tables of societal spheres of society" (p. 59–69). These tables are especially important for the CSSS, as they reveal the logical mechanism of aggregation of branch statistical indices into spheral, consolidated indices (about the statistics see below).

The societal spheres are the extremely broad forms of employment. These spheres, as well as components of their branches and companies/institutions, differ, in turn, in the very broad subjects and products, which make the four necessary and sufficient resources of each society: People, Information, Organization, Things (PIOT). They were first identified in Alvin Toffler's book *The Third Wave* in 1980. These resources are a product and subject of the corresponding spheres of production:

1. **Sociosphere**, subject and product of which are People
2. **Infosphere**, subject and product of which is Information,
3. **Orgsphere**, subject and product of which are Organizations
4. **Technosphere**, subject and product of which are Things.

The definition of these resources, their necessity and sufficiency, as well as fundamental category of "employment" for understanding of spherical classes – is revealed in this book, in the section "Constants of social space-time" (p. 39–46) as well as in *the ABC of Harmony* [6, pp. 25–44]. The mentioned four spheres of production were first identified, but in other terms, by Karl Marx in *The German Ideology* in 1845.

One particular difficulty is the question of terminology. The CSSS will use the shortest terminology presented in *the ABC of Harmony*.

We will not reproduce here the theoretical content of these books, as empirical research – it is not a theory, it is only based on the theory in order to prove or disprove its hypothesis.

So, CSSS is limited by the following set of theoretical concepts that will be used in all its sections and at all stages:

- Spherical classes or SPHERONS: Socioclass, Infoclass, Orgclass, Technoclass.
- Family of employment concepts: (natural) spherical employment, individual employment, main employment, status employment (employed population) and the self-production (non-working population).
- Spheres of social production (societal spheres): Sociosphere, Infosphere, Orgsphere, Techno(eco)sphere, where (eco) is indicator: "economy and ecology".
- The resources of society, which are the spheres' subject and product: People, Information, Organization, Things (PIOT). The complete absence of even one of them makes the existence of society and humans impossible. The life of every person and any society is determined by these necessary and sufficient resources, which are produced constantly by spherical classes employed in the corresponding spheres of production.

The listed 20 concepts are minimum necessary and sufficient for the empirical CSSS, constituting its conceptual framework and providing a preliminary system analysis of its object – the population of society. Derivative concepts are based on these.

Of course, we must understand that the theory of spherical classes, like any scientific theory, is constantly being developed and improved, for it still has many unsolved problems. However, these do not interfere with the hypothesis and carrying out an appropriate empirical study. Absolute theoretical perfection does not exist, so we cannot refuse empirical study just because we lack perfection. Empirical research will help to raise the theoretical perfection to a new, relative, level.

5. CSSS Purpose

The CSSS purpose is in statistical expression of the dynamics of global social structure as dynamics of spherical classes in cases of India, USA, Russia and Kazakhstan since 1950 by decades, providing a theoretical generalization of this process and comparison of these processes in different countries and at different periods.

6. CSSS Hypothesis

The CSSS hypothesis is the assumption about existence of universal spherical classes, SPHERONS, expressing global social structure, and the possibility of their statistical

representation in aggregated spherical indices in four countries. The proof of this hypothesis is the scientific meaning and destination of CSSS. Basically, we are proving that these classes and structure exist and will withstand analysis.

7. CSSS Task

The CSSS task is to prove the existence of spherical classes expressing global social structure and the possibility of their statistical representation in spherical aggregated indices in four countries.

I.I. Statistics

8. Statistics of Spherical Classes and their Spherical Indices in CSSS

Statistics of spherical classes is a fundamentally new scientific problem of instrumental nature in CSSS, as these classes were unknown to science and nobody has calculated them in the past. Spherical classes have different content in different branches, and often have disparate statistical expression in different countries and at different periods of the same country. Therefore, traditional statistics are insufficient and unsatisfactory for quantitative expression of the spherical classes' dynamics in different countries. Traditional statistics is not suitable to count them, as well as to quantify the global social structure, but it is a necessary information base to form spherical aggregates.

New, spherical statistics of the aggregated spherical indices was built together with discovery of spherical classes. The theory of spherical statistics has been published in several books (see below), but most of all in the already mentioned *Tetrasociology* in the section "Discovery of sociological statistics" (p. 48–51) and in *the ABC of Harmony* in section "Statistics of Harmony Elements" (p. 51–54). This theory is explained in summary form below:

1. Spherical Statistics is built on alphanumeric indices of PIOT resources, called the spherical indices, which constitute the necessary matrix 4×4 to a power of "n", where "n" is a line of natural numbers.

2. For CSSS concerning only one resource – People (the population), it is enough to have spherical indices only of this class, which is presented in the following them line:

$$P = P1 + P2 + P3 + P4,$$

Where P–quantity/number of population of the studied object (world, region, country, federal unit, city, municipality, enterprise) which, in CSSS, is the population of four countries,

P1 – quantity of Socioclass employed in production of P, i.e. employed in the Sociosphere,

P2 – quantity of Infoclass employed in production of I, i.e. employed in the Infosphere,

P3 – quantity of Orgclass employed in production of O, i.e. employed in the Orgsphere,

P4 – quantity of Technoclass employed in production of T, i.e. employed in the Techno(eco)sphere.

(Technosphere is an economic and ecological sphere abbreviated expressed as Techno(eco)sphere. The concepts 'Technosphere' and 'Techno(eco)sphere' are synonymous.)

3. Indices P, P1, P2, P3, P4 have a single standard unit of measurement in millions of people.

4. Indices P1 (Socioclass), as defined above, is the sum of two parts: the number of status employed (working) in Sociosphere and the employed of self-production (non-working population). Their indices are: $P1 = P1w + P1s$. Then, $P = P1 (P1w + P1s) + P2 + P3 + P4$.

5. The population of each country in any given year is the sum of its four spherical classes: $P = P1 (P1w + P1s) + P2 + P3 + P4$. This is the fundamental law of the spherical classes.

The preparation of these indicators for the four countries in the indicated periods with some of their characteristics (below), as well as their comparison across countries and their interpretation in the various quality dimensions, is the desired end result of CSSS.

9. Table of Spherical Indices for Spherical Classes and Methods of their Formation in CSSS

The table below – spherical indices for spherical classes – is a methodical algorithm for their formation in CSSS. It is an algorithm aggregating (summing) the traditional statistical indices in the spherical indices. The branches' titles in the table are borrowed from the past State Statistics of Russia. (Variant of 2010 classification is presented above in the article of Olga Kashina and Leo Semashko for comparisons and additions). In other countries, they may be different. The report on each country must include the branches' titles (classifications) taken in the state statistics of these countries on 2010. This creates some difficulties in identification of branches in each country. To overcome them is one of the tasks of statistical experts.

Table 1. Quantity/number of spherical classes of the population (country*) in millions of people

Spherical indices	Employed	1950	1960	1970	1980	1990	2000	2010
P	All Population: $P = P1 + P2 + P3 + P4$							
PI	Socioclass. $PI = P1w + P1s$							
P1w	P1w = sum of employed in branches of sociosphere:							
	Education							
	Health							
	Physical Culture and Sport							
	Social security							
	Other (Emergency rescue workers, trade unions, churches, charities, etc.)							
P1s	P1s = sum of self-production employed (non-working population):							
	Preschoolers							
	Students (full-time)							
	Retirees							
	The Unemployed/unoccupied							
	Housewives							
	Other (list)							
P2	Infoclass = sum of employed in branches of infosphere:							
	Science and scientific services							
	Art and Culture							
	Communication service							
	Other (list)							
P3	Orgclass = sum of employed in branches of orgsphere:							
	Apparatus of government							

	Apparatus of private management							
	Finance, credit, insurance							
	Other (Defense, Ministry of Internal Affairs, State Security, Customs, etc.)							
P4	Technoclass = sum of employed in branches of technosphere:							
	Industry							
	Agriculture and forestry							
	Construction							
	Transport							
	Trade and food services							
	Housing and communal services							
	Conservation of nature (ecology)							
	Other (list)							

The total for Table-1 includes 34 indices.

* Countries: India, USA, Russia and Kazakhstan.

10. Tables of Spherical Indices for Certain Qualities of Spherical Classes in CSSS

Spherical classes have a wide variety of social qualities, each of which constitutes an appropriate direction/trends and indices for CSSS. These qualities are also different for social profiles of spherical classes.

The first pilot study of spherical classes, because of its complexity and labor intensity, should be limited to the minimum number of them in the simplest statistical terms.

This CSSS is limited to a study of spherical classes in the following four directions: economic, political, scientific, and educational. These express the appropriate qualities or profiles of the spherical classes in each sphere:

1. Economic trend in this CSSS is an analysis of the economic position of each spherical class and its participation in the economic sphere (Technosphere), expressed as a volume of their private and personal economic property, including movable and immovable property, shares, securities and money savings. The dynamics of these volumes for every spherical class for 60 years, beginning since 1950, will determine the trend of economic justice/injustice in distribution of property between spherical classes in each of four countries. This trend is expressed in the spherical indices of property/havings:

$HP = HP1 + HP2 + HP3 + HP4$, where:

HP = private and personal property/having of the Population/People (HP),

HP1 = private and personal property/having of the Socioclass,

HP2 = private and personal property/having of the Infoclass,

HP3 = private and personal property/having of the Orgclass,

HP4 = private and personal property/having of the Technoclass.

A unit of measure is millions of US dollars, which will require transfer of other national currencies into US dollars at the exchange rate for the respective years. We accept that, in some countries and in some of their periods, statistical data of this sort might not exist or might well be incomplete. In this case there are two possibilities: 1. Expert evaluation of these indices

within the allowable 5-percent statistical error, or 2. Recording: "The data and sources to them are absent." For examples of tables for the calculation of these indices see below.

2. Political direction in this CSSS is an analysis of political representation and participation of each spheral class in the political sphere (Orgsphere), including government. This participation is expressed in the number of the political elite, representing interests of each spheral class in the executive, legislative, and presidential branches of government at all levels. The political elite, which are elected and appointed officials of the executive, legislative, and presidential branches of government at all levels, is part of Orgclass (P3), which, in turn, can be divided into four parts, which is employed by management of respective spheres and/or representing the interests of respective spheral classes. A few officials, managerial competence of which go over all spheres (Heads of State and Government, etc.), are part of the political elite in Orgclass (P3). Here are inevitable and acceptable statistical errors, without which cannot successfully execute a proper statistical study.

The dynamics of political elite of each spheral class for 60 years, beginning since 1950, will determine the trend of political justice/injustice in distribution of political power and control between spheral classes in each of the four countries. This trend is expressed by the spheral indices of the number of political elites:

$EP = EP1 + EP2 + EP3 + EP4$, where:

EP = the total number of political elite in the country as part of P3,

EP1 = the number of political elite of the Socioclass,

EP2 = the number of political elite of the Infoclass,

EP3 = the number of political elite of the Orgclass,

EP4 = the number of the political elite of the Technoclass.

A relevant unit of measure is thousands of people. We accept that, in some countries and in some of their periods, the statistical data of this sort might not exist or were incomplete. In this case there are two possibilities: 1. Expert evaluation of these indices within the allowable 5-percent statistical error, or 2. Recording: "The data and sources to them are absent." Examples of tables for the calculation of these indices see below.

3. Scientific trend in this CSSS is an analysis of scientific support for each spheral class in the Infosphere. This support is expressed in the number of scientists studying each sphere and providing data on the number employed in spheral classes of scientific information. Scientists bring together representatives of different sciences: humanities, social, political, legal, economic, cultural, natural, mathematics and engineering. The scientists are part of Infoclass (P2), which, in turn, can be divided into four parts, each employed in research of every sphere and providing every spheral class in relevant scientific information for use in the relevant sphere. The few scientists who study all spheres of society in a relationship are part of scientists of Infoclass (P2). Researchers of other spheral bonds are allocated to a priority sphere, but negligible error will be introduced in attributing them to any of the spheres being studied.

The dynamics of the number of scientists for every spheral class during 60 years, beginning since 1950, will determine the trend of informational justice/injustice in distribution of scientific knowledge between spheral classes in each of four countries. This trend is expressed by the spheral indices of the number of scientists:

$SP = SP1 + SP2 + SP3 + SP4$, where:

SP = the total number of scientists in the country as part of P2

SP1 = the number of scientists for the Sociosphere,

SP2 = the number of scientists for the Infosphere,

SP3 = the number of scientists for the Orgsphere,

SP4 = the number of scientists for the Technosphere.

Again, a relevant unit of measure is thousands of people. We accept that, in some countries and in some of their periods, statistical data of this sort might not exist or might be incomplete. In this case there are two possibilities: 1. Expert evaluation of these indices within the allowable 5-percent statistical error, or 2. Recording: "The data and sources to them are absent." For examples of tables for the calculation of these indices see below.

4. Educational direction in this CSSS is an analysis of educational support of each spherical class from Sociosphere (or Socioclass). This support is expressed in the number of teachers of all kinds, preparing personnel with relevant education for each sphere. Teachers unite educators of different educational institutions: kindergartens, schools, colleges, universities, academies, and various educational centers. Teachers are part of Socioclass (PI), which, in turn, can be divided into four parts, each employed in educational training for each sphere and each spherical class providing it appropriate education to work in relevant sphere. Numerous teachers, providing common training for all spheres of society in pre-schools and secondary schools, are part of the teachers of Socioclass (PI). Here there are inevitable and acceptable statistical errors.

The dynamics of the number of teachers, for each spherical class during 60 years, beginning since 1950, will determine the trend of educational justice/injustice in distribution of educational services between spherical classes in each of four countries. This trend is expressed by the spherical indices of teachers' number: $TP = TP1 + TP2 + TP3 + TP4$, where:

- TP = total number of teachers of the country as part of PI,
- TP1 = the number of teachers training staff of Socioclass,
- TP2 = the number of teachers training staff of Infoclass,
- TP3 = the number of teachers training staff of Orgclass,
- TP4 = the number of teachers, training staff of Technoclass.

Again, a relevant unit of measure is thousands of people. We accept that, in some countries and in some of their periods, statistical data of this sort might not exist or might be incomplete. In this case there are two possibilities: 1. Expert evaluation of these indices within the allowable 5-percent statistical error, or 2. Recording: "The data and sources to them are absent." For examples of tables for the calculation of these indices see below.

11. A Single Research Complex of Statistical Indices for Each Country and Common Content of Report on them

The CSSS statistical task for each country is identical. Only the identity of statistical indices and research purposes will provide them with full-scale comparability and comparability across countries. The single statistical task of CSSS for each country is expressed in the following single complex of statistical research objectives and indices, combined in the following paragraphs of the report:

1. **Paragraph 1:** "Number of Spherical Classes of the Country Population." In this measure, the spherical indices are calculated by statistical formula: $P = P1 + P2 + P3 + P4$ in **Table 1** (above). This paragraph consists of 7 sub-paragraphs of the same name on each of the seven decades with relevant tables, lists of sources and statistical comments – a report of up to 17 pages, + summarizing sub-paragraph: "Dynamics of Spherical Classes of the Country Population for 60 years," with a table and graph of their dynamics in all 7 decades and the dynamic comment – up to 3 pages of the report. The total is up to 20 pages.

2. **Paragraph 2:** "Private and Personal Property of Spherical Classes of Country." In this measure, the spherical indices are calculated by statistical formula: $HP = HP1 + HP2 + HP3 + HP4$ in **Table 2** (below). This section consists of 7 sub-paragraphs of the same name on each of the seven decades with relevant tables, list of sources and statistical comments – a report of up to 8 pages, + summarizing sub-paragraph "Dynamics of Private and Personal Property of

Spherical Classes of Country for 60 years." with a table and graph of their dynamics by all 7 decades and the dynamic comment – up to a 2-page report. The total is up to 10 pages.

Table 2. Private and Personal Property of Spherical Classes of Country in billions of US dollars

Spherical Indices	Private and Personal Property	1950	1960	1970	1980	1990	2000	2010
HP	Private and Personal Property of the country population: $HP = HP1 + HP2 + HP3 + HP4$							
HP1	Private and Personal Property of Socioclass							
HP2	Private and Personal Property of Infoclass							
HP3	Private and Personal Property of Orgclass							
HP4	Private and Personal Property of Technoclass							

All in Table 2 are 5 indices.

3. Paragraph 3: "Political Elite of Spherical Classes of Country." In this measure, the spherical indices are calculated by statistical formula: $EP = EP1 + EP2 + EP3 + EP4$ in **Table 3** (below). This section consists of 7 sub-paragraphs of the same name on each of the seven decades with relevant tables, list of sources and statistical comments – a report of up to 8 pages. + summarizing sub-paragraph: "Dynamics of Political Elite of Spherical Classes of Country for 60 years." with a table and graph of their dynamics by all 7 decades and the dynamic comment – up to 2-pages report. The total is up to 10 pages.

Table 3. Political Elite of Spherical Classes of Country in thousands of people

Spherical Indices	Number/Quantity	1950	1960	1970	1980	1990	2000	2010
EP	Political Elite of Country: $EP = EP1 + EP2 + EP3 + EP4$							
EP1	Political Elite of Socioclass							
EP2	Political Elite of Infoclass							
EP3	Political Elite of Orgclass							
EP4	Political Elite of Technoclass							

All in Table 3 are 5 indices.

4. Paragraph 4: "Scientists Serving Spherical Classes of Country." or shorter: "Scientists for Spherical Classes of Country." In this measure, the spherical indices are calculated by statistical formula: $SP = SP1 + SP2 + SP3 + SP4$ in **Table 4** (below). This section consists of 7 sub-paragraphs of the same name on each of the seven decades with relevant tables, list of sources and statistical comments – a report of up to 8 pages. + summarizing sub-paragraph: "Dynamics of Scientists for Spherical Classes of Country for 60 years," with a table and graph of their dynamics by all 7 decades and the dynamic comment – up to a 2-page report. The total is up to 10 pages.

Table 4. Scientists for Spherical Classes of Country in thousands of people

Spherical Indices	Number/Quantity	1950	1960	1970	1980	1990	2000	2010
SP	Scientists of Country: $SP = SP1 + SP2 + SP3 + SP4$							
SP1	Scientists for Socioclass							
SP2	Scientists for Infoclass							
SP3	Scientists for Orgclass							
SP4	Scientists for Technoclass							

All in Table 4 are 5 indices.

5. Paragraph 5: "Teachers of Spherical Classes of Country." In it, its spherical indices are calculated by statistical formula: $TP = TP1 + TP2 + TP3 + TP4$ in **Table 5** (below). This section consists of 7 sub-paragraphs of the same name on each of the seven decades with relevant tables, list of sources and statistical comments – up to 8-pages report; + summarizing sub-paragraph: "Dynamics of Teachers of Spherical Classes of Country for 60 years." with a table and graph of their dynamics by all 7 decades and the dynamic comment – up to a 2-page report. The total is up to 10 pages.

Table 5. Teachers of Spherical Classes of Country in thousands of people

Spherical Indices	Number/Quantity	1950	1960	1970	1980	1990	2000	2010
TP	Teachers of Country: $TP = TP1 + TP2 + TP3 + TP4$							
TP1	Teachers of Socioclass							
TP2	Teachers of Infoclass							
TP3	Teachers of Orgclass							
TP4	Teachers of Technoclass							

All in Table 5 are 5 indices.

As a whole, the content of statistical report for each country should include the following paragraphs, including 27 spherical indices for each decade:

1. Number of Spherical Classes of the Country Population in 1950–2010 – 7 indices.
2. Private and Personal Property of Spherical Classes of Country in 1950–2010 – 5 indices.
3. Political Elite of Spherical Classes of Country in 1950–2010– 5 indices.
4. Scientists for Spherical Classes of Country in 1950–2010– 5 indices.
5. Teachers of Spherical Classes of Country in 1950–2010– 5 indices.

The total is 189 indices for 7 decades for each country.

Each of these 5 sections contains 7 sub-paragraphs for each of the seven decades and one summarizing sub-paragraph – a total 40 sub-paragraphs of the report, with a total length up to 60 pages and no less than 50 pages. These are the content and volume of research work within CSSS.

The fulfillment of this basic research on each country is assigned to each country's statisticians. Every statistician should prepare a report on the country in accordance with this specified content up to 60 pages (text requirements and page size see below). In general, the statistical part of CSSS (and related book) for four countries will be no more than 240 pages.

12. CSSS General List of 27 Spherical Indices with Decoding of their Acronyms

In the CSSS all spherical indices are expressed in alphanumeric abbreviations/acronyms that require decoding in their full title. CSSS is limited by 27 spherical indices that are defined above. The consolidated list in the abbreviations and full titles is presented in the following table.

Table 6. List of 27 Spherical Indices of CSSS

№	Acronyms	Full Title of Indices	Formulas
1.	P	All Population of any Country:	$P = P1 + P2 + P3 + P4$
2.	PI	Socioclass of any Country	$P1 = P1w + P1s$
3.	P1w	P1w = sum of employed in branches of sociosphere	
4.	P1s	P1s = sum of self-employed (non-working population) of sociosphere	
5.	P2	Infoclass of any Country = sum of employed in branches of infosphere	
6.	P3	Orgclass of any Country = sum of employed in branches of orgsphere	
7.	P4	Technoclass of any Country = sum of employed in branches of technosphere	
8.	HP	Private and Personal Property of the Country Population	$HP = HP1 + HP2 + HP3 + HP4$
9.	HP1	Private and Personal Property of Socioclass	
10.	HP2	Private and Personal Property of Infoclass	
11.	HP3	Private and Personal Property of Orgclass	
12.	HP4	Private and Personal Property of Technoclass	
13.	EP	Political Elite of any Country	$EP = EP1 + EP2 + EP3 + EP4$
14.	EP1	Political Elite of Socioclass	
15.	EP2	Political Elite of Infoclass	
16.	EP3	Political Elite of Orgclass	
17.	EP4	Political Elite of Technoclass	
18.	SP	Scientists of any Country:	$SP = SP1 + SP2 + SP3 + SP4$
19.	SP1	Scientists for Socioclass	
20.	SP2	Scientists for Infoclass	
21.	SP3	Scientists for Orgclass	
22.	SP4	Scientists for Technoclass	
23.	TP	Teachers of any Country	$TP = TP1 + TP2 + TP3 + TP4$
24.	TP1	Teachers of Socioclass	
25.	TP2	Teachers of Infoclass	
26.	TP3	Teachers of Orgclass	
27.	TP4	Teachers of Technoclass	

In the CSSS reports, abbreviations of the spherical indices use only with this table. It is possible that not all of the CSSS 27 spherical indices are expressed in the statistics of some countries or in its different periods. In this case, they can be expressed as statistical estimates of the experts or go without quantification. But the experts have to use all the statistical possibilities of any reliable sources of data to ensure formation of these 27 spherical indices.

Total into Tables 1–5 are presented 54 statistical indices, from which we derive 27 spherical indices. The task of each expert-statistician of each country is to fill five tables and comment on their statistical content, its features and problems (if they will be) and to present all of these materials in the appropriate

report within a specified time to the CSSS Editor in Chief. Statisticians will solve problems, associated with these tables and reports with him interactively through e-mail.

13. Sample of Statistical Data for Spherical Classes and their Qualities

The observed sample of statistics for indices of spherical classes and their qualities is defined on the basis of state statistical reports for seven decades: 1950, 1960, 1970, 1980, 1990, 2000, 2010 and, on the basis of the relevant additional studies in four countries, with help and through formulas and tables of spherical indices presented in this CSSS Program (see above).

I.II. Analysis

14. Analysis: Comparison and Conceptual Interpretations. List of Scientists

The CSSS analytical part includes two pieces: comparative and conceptual.

The CSSS Comparative part includes the integral/summary comparisons of dynamics of spherical classes and their qualities together with the relevant tables and graphs for the four countries in the articles of up to 5 pages with the following approximate names:

- Comparison of Dynamics of Spherical Classes of the Population in 4 countries for 1950–2010 and its Conclusions for Global Social Structure and Global Sociology.
- Comparison of Dynamics of Economic Position and Justice/Injustice of Property Distribution among Spherical Classes in four Countries during 1950–2010 and its Conclusions.
- Comparison of Dynamics of Political Elites of Spherical Classes in four Countries during 1950–2010 and its Conclusions.
- Comparison of Dynamics of Number of Teachers, Training Staff for Spherical Classes, in four Countries during 1950–2010 and its Conclusions.
- Comparison of Dynamics of Number of Scientists Serving the Spherical Classes in four Countries during 1950–2010 and its Conclusions.

The CSSS Conceptual part, its content and articles are determined after the comparative part of SSSI.

15. CSSS Conclusion

CSSS Conclusion is the outline of a wide range of consequences and outputs from this study in the following scientific and practical ways of the 21st century:

- Formation of a scientific theory of global social structure in the framework of global sociology,
- Development of global sociology as a scientific theory of global harmony and harmonious civilization,
- Laying the foundation of global spherical statistics based on a traditional (branch) statistics
- Construction of scientific theory of global harmonious and just economy,
- Dissemination of CSSS to other countries,
- Using CSSS in national governments and international organizations to solve global and national development challenges, especially for world peace,
- Extrapolation of the CSSS findings to global population,
- Significance of fundamental empirical knowledge about trends/laws of spontaneous social and economic harmony and disharmony for understanding how to transfer them into a conscious and controlled channel,
- Scientific projecting of social harmony and harmonious just economy at all levels,
- Formation of a common scientific platform for global harmonious education including interfaith harmony education at all levels,
- Formation of a common scientific platform for global harmonious political democracy together with a global constitution at all levels,
- Construction of sociocybernetic models of national social genomes (Sociomes – see the ABC of Harmony, pp 40–41) of the four countries in their dynamics during 60 years in spherical indices with the subsequent construction of a similar cybernetic model for global Sociome, etc.

16. Presentation of CSSS Results: Reports, Graphics, and etc.

The CSSS results will be presented in statistical reports and analytical articles.

The Statistical Reports will be reports of statisticians on spherical indices of each country. These reports are limited to statistical information with its comparisons and generalizations (see above).

Analytical articles covering comparative and conceptual commentaries and interpretations.

The CSSS results will be presented in different content forms, but will be similar in appearance and requirements.

1. The first, basic form will be the use of spiral indices tables. As defined above, for each country, five identical types of tables with 27 spherical indices will be formed. The form of these tables is given above. It is the same for all countries and for all statistical reports, ensuring their comparability across countries.

2. The second form will be comparative graphs of dynamics of spherical classes and their attributes within each country for period 1950–2010 in the following form:

Graph-1: Dynamics of Spherical Classes of the Population in India (or other country) for 1950–2010 in millions of people.

M. People								Trends
1200								1 – Total population
1000								
800								2 – Socioclass
600								3 – Infoclass
400								4 – Orgclass
200								5 – Technoclass
100								
YEARS:	1950	1960	1970	1980	1990	2000	2010	

Similar graphs will be built for other spherical indices, as well as graphics of dynamics of global social structure in sum of spherical classes for four countries and for qualities of these classes.

3. All of the CSSS texts are prepared for publication in the book, so they are subject to high and similar requirements in the following list: their list will be published if necessary.

17. Publication of CSSS Results in a Book

The CSSS results will be published as a separate book in two languages simultaneously: English and Russian. Therefore, the CSSS authors of reports and articles make them with this in mind as the authors of this book. Preparation of the book in the original layout is done by the editor/manager. In Russian, the book will be published in Russia, St. Petersburg. The English language book will be published in the United States or India, depending upon the optimal conditions in one or another country. The book's tentative title is:

Global Social Structure: Dynamics of Spherical Classes of the Population in India, USA, Russia and Kazakhstan in 1950–2010. Key Condition for World Peace, Social Harmony and Economic Justice.

18. CSSS List of Literature

The CSSS list of scientific literature is compiled from the statistical sources of 4 countries for 1950–2010 and other literature used in reports and scientific articles by its authors.

As example, see Dr. Leo Semashko's together with (and) the GHA coauthors' list of books below, in which is the theoretical development of concept "spherical classes of the population" (SPHERONS) and their spherical statistical indices as the key for CSSS.

2012. *The ABC of Harmony for World Peace, Harmonious Civilization and Tetranet Thinking*. Together with the GHA 75 coauthors from 26 countries. Global Textbook. GHA 34th Project. First published in English in India, New Delhi, Doosra Mat Prakashan, 2012, pages ~334. ISBN – 978-81-923108-6-2:
http://peacefromharmony.org/?cat=en_c&key=478
2010. *Russia, Forward, towards Harmonious Civilization*. Together with the GHA co-authors. St. Petersburg, LITA, 30 pages, in Russian: http://peacefromharmony.org/?cat=ru_c&key=435
2010. *Kazakhstan – Harmonism Strategy for the 21st century*. GHA project for the President and the Parliament of Kazakhstan. Together with the GHA 14 co-authors from 10 countries. St. Petersburg, LITA, 22 pages, in Russian and English: http://peacefromharmony.org/?cat=en_c&key=445
2009. *Harmonious Civilization. Global Harmony Association Innovative Projects*, with the GHA 119 coauthors from 34 countries, in 2 languages. St-Petersburg, Russia, LITA, pages 254:
http://peacefromharmony.org/?cat=en_c&key=379,
2008. *World Harmony/Peace Academy and General Harmonious Education in an Information Society*, with the GHA 64 coauthors from 20 countries, in 2 languages. St-Petersburg, Russia, "LITA", pages 104.
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Note. Some of these books have found a response in the reviews in "International Sociology" (v.22, № 2, March 2007, p. 164–168, etc.), other international journals, as well as a presentation on all ISA Congresses since 2002 and Congress of the International Institute of Sociology in Beijing in 2004. The topics of these books, especially the spherical classes, are reflected in a few articles by the author in domestic sociological journals: "Telescope" (journal of Sociology, St. Petersburg), "Sociological Studies", as well as in numerous articles on the GHA website "Peace from Harmony" since 2005: <http://peacefromharmony.org>. The CSSS organization will be determined as needed.

7. Perspectives and Significance of Global Spherical Statistics. *Leo Semashko*

This chapter proposed a methodology of statistical and empirical studies of SPHERONS and also problems of war and peace in global spherical statistics. This methodology is innovative with an unlimited range of applications and with colossal social and economic implications. Using this methodology, each peace organization in the world, including the United Nations and UNESCO, and every government can explore the dynamics of SPHERONS in any city, any institution, any country and worldwide to determine the disharmonies that are sources of potential or emerging wars and armed conflicts. These organizations and governments can then explore the dynamics of priorities of peace and war in any region. They can build simulation models of any region to investigate the level of military risks and threats in each of them and their dynamics, etc. A field of application of these scientific peace instruments is indefinite and open to all governments and leaders who want peace in reality, not in empty rhetoric. This is the main value of global statistics for peace.

Its essence lies in the fact that the global statistics can only be determined through the spherical statistics, based not on the variable, local and temporary branches but on the permanent and universal spheres and SPHERONS. The use of universal spheres and SPHERONS are key features that provide a unique advantage of an innovative global statistics, which is universal and the same for all countries and continents. In traditional statistics, the spheres of activity (life, production and society) practically do not count. This main weakness and limitation of traditional statistics can be found expression in the famous aphorism of the late 19th century attributed to British Prime Minister Benjamin Disraeli (1804–1881): "*There are three kinds of lies: lies, damned lies, and statistics.*"

The investigated social structure of SPHERONS as universal at all levels: school, city, country and the world is an immutable law. Any, even the smallest organization, has a similar universal structure even if some spherical functions are combined in one person or many persons. Of this structure, there are no exceptions. All schools, colleges, universities and companies are identical in the global social structure of SPHERONS or spherical classes, without the participation of at least one they do not exist. Their harmony within each organization provides peace within it. The people

within these organizations all work in a manner of peace from harmony, but when a private conflict or disharmony arises in any part of the organization, then its activity is temporarily stopped; a good example of this is a dispute between workers and managers that results in a work stoppage or strike.

The different enterprises and organizations might be seen as very different and maybe even as little or no comparable on traditional statistical measurements with branches, branch structure and indices. But with the social spherical structure of SPHERONS and relevant statistics, the branches are then viewed as comparable and compatible, without exception. This fact opens up colossal scientific and practical opportunities for improved management, forecasting, planning, cooperation and development of each branch, each organization and each country on the path of conscious (scientific) global peace that is most effective for all. *The ABC of Harmony* and GPS offer a single, common to all countries the spherical classification of employment by SPHERONS providing, together with other conditions, unity, harmony and peace to all nations.

Our research in this direction, as explained in the second chapter, is only the first and very modest step in this path of truth and prosperity. Our main task was to prove SPHERONS as significant and beneficial actors of global peace from harmony. This task is done. The work is in the minimum but enough to convince us and others in the objective existence of SPHERONS, the discovery of which means the beginning of a new era of social science and a more knowledgeable society.

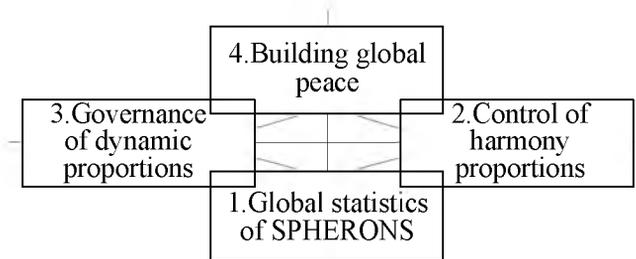
The first government, which will start and implement the first such studies, will also be the first to, in the words of Martin Luther King, Jr., “shift the arms race into a peace race.” This government will arm themselves with innovative knowledge that will provide its country – and the rest of the world – with unique economic and social preferences. This social knowledge will be more powerful than any war weapons.

In conclusion, we emphasize the following. As we know, the theory and its empirics (empirical basis of the theory) are two necessary conditions of any science. GPS answers them, so it is a full-fledged science. To refute it, two conditions are necessary: 1. Logical destruction of its theory and 2. Disproving its facts. For 40 years the idea of spherical classes, SPHERONS, which is the backbone of GPS, no any scientist has presented neither the one nor the other. This idea is clear, though, of course, SPHERONS is not the easiest thing, as well as Einstein's physics compared with Newtonian physics. New science requires new learning and new, global peace education in GPS since childhood, as will be discussed below.

Conclusion. Significance of Global Statistics of SPHERONS for Peace. The knowledge of quantitative statistical dynamics of structural proportions of social harmony of SPHERONS at all levels from local to global provides a scientific method of control, governance and building global peace at these levels that will simultaneously preventing any armed conflicts and wars. This is expressed by the following chain of concepts and tetra-model:

1.Global statistics of SPHERONS – 2.Control of harmony proportions – 3.Governance of dynamic proportions – 4.Building global peace

Model-5. Global Statistics of SPHERONS for Peace



Without a global, common to all countries statistics of SPHERONS global peace is impossible.
Dr. Leo Semashko, Editor in Chief, "*Global Peace Science*" (GPS) and GHA coauthors

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Chapter 3.

GPS Prehistory: From Intuition of Harmony to Theory of SPHERONS. Global History of Peace

1. GPS Prehistory: From Intuition of Harmony to Theory of SPHERONS

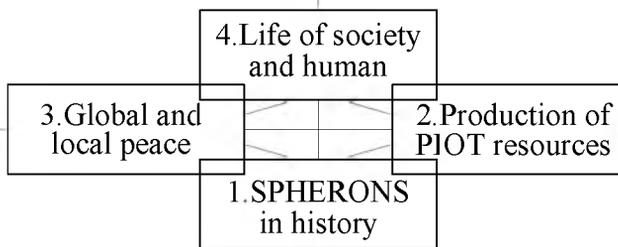
Leo Semashko

How Democritus' intuitive guess of atoms through 2500 years became a scientific theory of atomic structure of matter, so and the deep intuition of social harmony at the ancient thinkers became the theory of global harmonious structure of SPHERONS as eternal source and actor of global peace in GPS almost through 3000 years.

GHA

In the GPS first two chapters was found (theoretically in sociology and empirically in statistics) that the GPS subject are SPHERONS – harmonious spherical classes of the population, differing on employment in production of one of the four necessary and sufficient resources (PIOT) of existence of each society and ensuring peaceful conditions of their production, without which their production is impossible. This means that SPHERONS are the ultimate cause, natural source, absolute guarantor and eternal actors of global peace, without which life of human and society is impossible also. This is expressed by the corresponding chain of concepts and tetra-model of key conditions of society and human in global history: 1.SPHERONS in history – 2.Production of PIOT resources – 3.Global and local peace – 4.Life of society and human.

Model-6. Key conditions of social life in global history



To this scientific conclusion brings all of human history. It acquires, from this perspective, the meaning of GPS history as the evolution of spontaneous manifestations of harmony of SPHERONS in two levels: the historical episodes of social peace of different nations and at the level of its (peace) mental searches and intuitive insights/guesses in various forms of public (collective) consciousness: philosophy, religion, ethics, art, law and policy. Intuition of peace is expressed in all the monuments of world literature, in all religions of the world and in all the Scriptures (see below).

The common basis of two levels of the spontaneous manifestations of SPHERONS harmony is their universal intuition, as a practical so and thought inherent to the whole

population. Therefore **the people always want peace and never want war**. It cannot want, in principle, children, women, the elderly and the disabled, who, as the statistics show, are not less than 60% of the total population (see Chapter 2). It is a law of history that in the first approximation can be formulated as **a natural law of intuitive awareness of spontaneous peace from harmony of SPHERONS**.

The third chapter is attempt of historical proof of SPHERONS in addition to the sociological and statistical in the first two chapters. It is devoted to some historical examples of the real social peace from harmony of SPHERONS, as well as its philosophical quests. Other chapters and paragraphs are devoted to its quest in other mental forms.

2. Numa Pompilius: The Oldest Example of Social Peace from Harmony of Classes. *Erika Lazarova, Leo Semashko*

This article is a continuation and development of article about Numa Pompilius in *the ABC of Harmony* [1, 216–217].

The deep spontaneous potential of global peace of SPHERONS and their powerful peace intuition manifested in the ocean of military human history through incomprehensible, surprising and at the same time amazing islands of peace in various parts of the world. An early example of paradise peaceful oasis, which is known to recorded history, is 43 year reign of the second king of Rome **Numa Pompilius** (754–672 BC). The moral beauty and harmony of his character ensured to Roman people the social harmony and consent order, on the soil of which peace has prospered during all reign of Numa – 43 years.

The Ancient Greek historian **Plutarch** characterizes his personality: *"He was endued with a soul rarely tempered by nature, and disposed to virtue, which he had yet more subdued by discipline, a severe life, and the study of philosophy; means which had not only succeeded in expelling the baser passions, but also the violent and rapacious temper which barbarians are apt to think highly of: true bravery, in his judgment, was regarded as consisting in the subjugation of our passions by reason. He banished all luxury and softness from his own home"*, dismissed his personal guard [2, 100, 104], sought a modest and worthy life.

His high morale, pure religious feeling, probity and stability in the virtuous life became base for "the Senate and the Roman people" to choose his by the second king of Rome in 714 BC [2, 98, 100]. Due to the high moral and intellectual qualities, Numa created for the Roman people the social structure based on the principles of harmony and justice. The source of his deep intuition of social harmony of Roman SPHERONS and thirst of peace was the nobility of his character.

His name is associated with *the reforms* that actually made Rome civilized and harmonized it for all period of his reign, eliminating all wars and unrest. He would say that he agreed to become king, *to soften the hearts of the warlike Romans, excite noble feelings in them and teach them to live wisely*. He overcame the tribal enmity between the Latins, Sabines, and Etruscans by *"distinguishing the whole people by the several arts and trades... and the new division became a source of general harmony and intermixture"*. This division allowed Plutarch to highlight that *"The frame of government which Numa formed was democratic and popular to last extreme"* [2, 116, 123]. This means the inextricable link of democracy with the division of the people on employment and not for other reasons: the property, nobility, etc.

Numa, probably the first in the world, understood that ethnic strife and hostility can be overcome by universal dividing the population on employment, in which each group is necessary, equal and useful to all the others that ensures harmony between them and eliminates enmity and war between them. Numa is the world's first political leader who understood that harmonious social structure must be translated and provided with the appropriate form of democracy, law, politics and religion, i.e. they must be harmonious and peaceful. The deepest

and the only source of peace can only be social harmony of classes of employment, i.e. SPHERONS into their historical forms of PARTONS.

Complete peace during Numa's reign was provided social structure of the Roman population not on the property and its stratification and on employment. Numa genius as a thinker and politician is that he not only knew this structure but also practically implemented it in the political-legal and religious order of ancient Rome for nearly three thousand years ago. This unique experience of harmonious peace and democracy today was forgotten and in historical science and education but it was revived in *the ABC of Harmony* and GPS.

For Numa peace and peaceful harmonious coexistence of the tribes was the main principle of welfare and prosperity of society. Numa's peacefulness focused creative efforts of Roman citizen on handicrafts, agriculture and trade. These types of employment formed the basis of social structure of the three classes (PARTONS) of the Roma population: artisans, farmers and traders as historical forms SPHERONS of ancient Rome in Numa's time. He helped the first social group in establishing their professional board. For farmers he *introduced the worship of the god of boundaries Terminus* along with the *land surveying and sanctification of boundary stones together with the neighbors*. This prevented tensions between the neighbors and provide their peaceful coexistence. He also took care of landless peasants by *granting them land gratuitously* and mitigated slavery. **Thus, Numa has become a real legislator of social harmony.**

His religious reforms also served to peace from harmony. Among the orders of priests that he created were **Fecials** – the guardians of peace [2. 110] – contrary to the prevailing tradition of the worship of the gods of war, the most important of which was Mars, as the main figure of the Roman religious cult. *Historically this was the first public act of recognition of the value of peace*, which wasn't accepted. At the same time, the worship of God of borders **Terminus** and priestly cult of **Fecials**, which was created Numa, is the world's first religion of peace, which he consciously opposed the dominant religion of war. (Indian emperor Ashoka, who was rejecting military conflicts, is considered to be "The Father of eternal peace"; however he lived nearly three centuries later than Numa). He established the foundations of religious life, which served to harmonization of society based on secularization.

The solar calendar reform introduced by Numa was also dedicated to the creation of peace and harmony: he added two months – January and February, replacing the first month March, which was devoted to the god Mars, with January devoted to the god Janus, the patron of the peaceful occupations. The doors of that temple were opened during the war, and shut in time of peace. As Plutarch writes ecstatically: "*But, during the reign of Numa, those gates [of the Temple of Janus] were never seen open a single day, but continued constantly shut for a space of forty-three years together; such an entire and universal cessation of war existed... [The people of Rome] began to experience a change of feeling, and partook in the general longing for the sweets of peace and order, and for life employed in the quiet tillage of soil, bringing up of children,...* For during the whole reign of Numa, there was neither war, nor sedition, nor innovation in the state..." [2. 118–119].

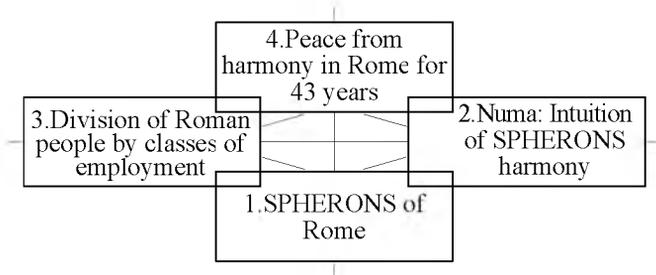
Another, Roman, historian Titus Livius (Livy), confirms: "*the greatest of his (Numa Pompilius) merit that throughout the reign he kept peace no less than the kingdom*" [3, 21 (5)], and "*as a ruler he was devoted entirely to peace*" [4, 262]. Note that evidence of Livy about Numa much poorer than of Plutarch. However, these evidences of Plutarch and Libya is sufficient for the UN to establish now **Numa Pompilius Day** as creator of peace from harmony, as the highest and the first sample of peacemaking political leader on his birthday – April 21 – it is also the day of the foundation of Rome [2. 100]. The initiator of this significant date could be the Government of Italy, primarily interested in the glorious memory of this great compatriot, example for modern politicians and governments, unjustly forgotten now even historical science. Unfortunately, one of the last books devoted to the analysis of war and peace

in the ancient world, the activity of Numa considered very narrow and limited, only in connection with the state of Janus temple "as an indicator of peace and war " [4, 257–263]. But Numa remains the greatest peacemaking figures throughout human history, because on a par with him in the political peacemaking put no one else who would 43 years of state reign dedicated peace. At the UN there are no exist such leaders now. Understand his true peace greatness can only with positions of GPS.

Numa wrote 12 books dedicated to social and religious harmony (this confirms his intensive intellectual work), which were buried with him at his request. These books were recovered in his tomb some four hundred years later, and burned by the city governor, who considered them to be inappropriate for disclosure. However, his ideas are getting revived nowadays.

The key contents of the article are expressed in the **model-7** of the harmonious Tetranet thinking in chain of concepts: 1.SPHERONS of Rome – 2.Numa: Intuition of SPHERONS harmony – 3.Division of Roman people by classes of employment – 4.Peace from harmony in Rome for 43 years.

Model-7. Numa Pompilius' intuition of SPHERONS harmony as a source of peace



Numa did not knew SPHERONS. (Incidentally, the modern society also does not know them, and only now, after almost 3000 years after Numa it is approaching to their scientific knowledge in GPS). But his deep intuition of their spontaneous harmony and peacefulness of the population, together with its powerful innovative intelligence of reformer and practical possibilities of the Roman state head allowed him to harmonize its working-age population, i.e. all employed labor PARTONS of Rome by just economic, political, legal and religious order of three classes, which he established deliberately. This is an uneclipsed historical reformist value of Numa Pompilius, who first opened, albeit intuitively, the way of global peace from social harmony of employed labor of Roman classes, expressing deep interests and attributes of SPHERONS.

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Dr. Leo Semashko, Editor in Chief, "Global Peace Science" (GPS)

3. Peace from Harmony through the Ahimsa Principle at Buddhist Indian King Asoka. Subhash Chandra

Creating peace from harmony, based on intuition of deeply hidden SPHERONS (harmonious classes of the population), has an ancient history and a long tradition in India. This intuition is based on the principle of ahimsa (non-violence), which was formulated by the Vedas over three thousand years ago. It found the most vivid manifestation in modernity at Mahatma Gandhi in his movement of nonviolent civil disobedience that led to India's independence from the British Empire without single shot in 1947. In ancient times, this principle received a strong practical embodiment at the Indian King Ashoka (304–232 BC) but it had a long prehistory before him.

In Indian religions the concept of non-violence (ahimsa) has played a pivotal role throughout their history. The word 'ahimsa' expresses an ancient Hinduism, Buddhism and Jainism precept. The ancient principle of ahimsa has had a profound impact on Indian thought and civilization over the millennia, and it continues to influence the world today.

The ancient Indian yogis gave us a very basic but powerful principle to attain peace from harmony. *This principle is called Ahimsa or non-violence, the philosophy of love.* Ahimsa is a *Sanskrit* word that is commonly translated as non-violence, non-killing, non-harming or non-injury. The Mahabharata, one of the epics of Hinduism has multiple mentions of the phrase *Ahimsa Paramo Dharma*, which literally means: non-violence is the highest moral virtue [5]. Mahabharata emphasizes the cardinal importance of Ahimsa in Hinduism in the following meanings: Ahimsa is the highest virtue, Ahimsa is the highest self-control, Ahimsa is the greatest gift, Ahimsa is the best suffering, Ahimsa is the highest sacrifice, Ahimsa is the finest strength, Ahimsa is the greatest friend, Ahimsa is the greatest happiness, Ahimsa is the highest truth & principle of creating peace from harmony and Ahimsa is the greatest teaching of creating world peace [6].

Ahimsa (non-violence from love), tolerance and peaceful existence are the essential ingredients for creating world peace & human unity in the world. Ahimsa reduces the conflicts & violence; and creates the peace & harmony in the world [7].

Buddha preached everyone to follow ahimsa. He said, "*Lead others, not by violence, but righteousness and equity.*" According to Dhammapada Buddha pointed out that one who carries on his tasks with violence is neither righteous nor religious. He said that he who has truth, virtue, non-violence, restraint, and control and is free from impurity is a wise man and can be called an elder. The entire life of Buddha is full of ahimsa and his teachings easily get imbibed among the people [8].

Ashoka (Asoka, ca. 304–232 BC), popularly known as Ashoka the Great, was an Indian emperor of the Maurya Dynasty who ruled almost all of the Indian subcontinent from ca. 269 BC to 232 BC. The precepts of Buddhism got a universal recognition and worldwide sympathy under the pious patronage of Mauryan emperor Asoka, who was highly influenced by the teachings of Buddhism.

In the early years of his rule, this emperor was cruel and despotic in his behaviour. One of India's greatest emperors, Ashoka reigned over most of present-day India after a number of military conquests. His empire stretched from present-day Pakistan, Afghanistan and southern parts of Iran in the west, to the present-day Bangladesh and the Indian state of Assam in the east, and as far south as northern Kerala and Andhra. He conquered the kingdom named Kalinga, which no one in his dynasty had conquered.

A sudden change of Asoka's imperial reign began with a series of bloody wars culminating in the Kalinga War of 260 BC. The mammoth loss of life (more than one hundred thousand of corpses), destructions and suffering witnessed on the battlefield made him turn away from war. Ashoka was imbued with a deep intuition of harmony and thirst of peace from the horrors of war and under the strong influence of Buddhism adopted its ahimsa and dharma, source of which could only be eternal peace of SPHERONS. "Dharma" is derived from the Sanskrit word for "duty" and includes the basic virtuous teachings that can be practiced by all men regardless of social origins.

Emperor Asoka's dharma is towards a world peace & new imperial unity. Ashoka's saw the dharma as a righteous path showing the utmost respect for all living things. The dharma would bring harmony and unity to India in the form of much needed compassion. Serving as a guiding light, a voice of conscious that is the dharma can transform one to be a respectful and highly responsible human being. Edward D'cruz interprets the Ashoka's dharma as a "*religion*

to be used as a symbol of a new imperial unity and a cementing force to weld the diverse and heterogeneous elements of the empire" [9].

'Dharma' is Ethical Value – represents the ethical law of universe, is a cosmic principle which holds the universe as one integral. Dharma refers to Righteous – Actions for Right duty & Right thinking. Ashoka's highest dharma "*Ahimsa* or non-violence prohibit the killing of people during the war and showing compassion towards animals & people. He prohibited the burning of forests as it may harm or injure living creatures.

Asoka abhorred war in all its form and followed the principle of non-violence in matters of international affairs too. He therefore dispatched 'peace-missions' to various lands to sort out differences. Ashoka's great contribution as a ruler was the way he put them into practice through universal values in cultures (Truth, Peace & Nonviolence) not the differences. He therefore dispatched 'peace-missions' to various lands (countries) to promote the unity in cultural diversity and Global Harmony' through the principles of Ahimsa (Nonviolence). He promoted unity in cultural diversity, mutual respect, brotherhood, harmony and cooperation with the spirit of a 'Global Harmony' (*Vasudheva Kutumbkam*). He ensured peace, justice, and good government in what was the largest unified empire in India until the arrival of the British.

In his utterances, he emphasized the spirit of religious tolerance, peace and compromise, which go along with ahimsa. Thus, Asoka extended the domain of his ahimsa principle from human beings to animals and from his own masses to foreign people.

"Hate melts in the presence of love. Hate dissolves in the presence of ahimsa. There is no power greater than ahimsa. Its practice will make you fearless. He who practices it with real faith can move the whole world, tame wild animals, win the hearts of all and subdue his enemies. He can do and undo things. Its power is ineffable, its glory is indescribable; its greatness is inscrutable" [9a].

Ahimsa principle rather claims "love all" than "not kill." Buddha said "Love all, so that you may not wish to kill any." Ahimsa is a rejection of evil in behavior, thinking and speech, which is the essence of Buddhist dharma as the universal law of harmonious existence. Ahimsa is directed against evil itself and not against the people who commit it. Ahimsa or nonviolence is the oldest Indian form of peace intuition from harmony of SPHERONS. This is its modern scientific explanation.

Ashoka is the first king of India, who understood the importance of Buddhism in strengthening the empire and contributed to its spread by his edicts and building more 84,000 stupas across his empire to house the sacred relics of the Lord Buddha. He saw in the Buddhist principle of ahimsa national value, which eliminates the violent conquest, putting in their place of love and conviction. They provide social harmony, on the basis of which peace thrives [11]. It is very important for humanity today.

At present we are living in a **Kali Yuga i.e. Age of darkness**, fear & insecurity & also known as age of conflicts, violence & wars due to erosion of human values. The nuclear age begins on a quiet stretch of desert in Alamogordo, New Mexico, USA on July 16, 1945. On that day humanity took a long step on the road to its own demise. On August 6, 1945, Hiroshima became death. Three days later, on August 9, 1945, Nagasaki became death.

The majority of people in the world lived through the culture of conflicts & violence during the twentieth century. It is unfortunate that the twenty first century too has started in an environment of hostilities and holocaust. The escalation of terrorism, culminating in the September Eleven (2001) attacks on the World Trade Centre New York, USA and Washington, and of counter-terrorism in many parts of the world, are interdependent links in a chain of growing globalization of violence and violent globalization.

Humanity today finds itself in a crisis at the new crossroad. In the current age of manmade turbulences, need for moving towards Harmony is being felt across the world. We are

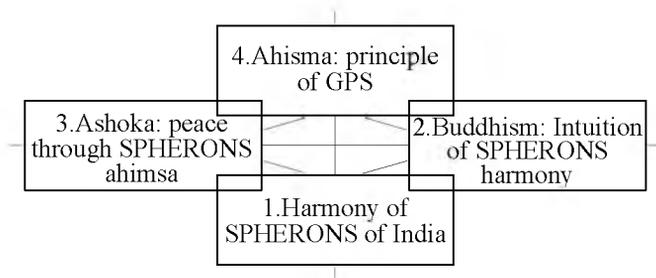
threatened by nuclear destruction and economic collapse. Nuclear armament is the major threat to world peace. **How to save the humanity from the threat of Nuclear War? How can we attain the world peace & human unity? How can we learn to live in peace from harmony?**

This is the biggest challenge of the 21st century. The present situation calls for a drastic strengthening of Global peace movement involving the entire Leaders’ of the world. It’s time to focus on ‘Thinking together for **world peace** & working together’ based on Global Peace Science (GPS) to save the Humanity through its main law – the principle of Ahimsa (Nonviolence from Love).

GPS provides for all countries to achieve World Peace & Oneness of Humanity through SPHERONS and their harmonious education in the 21st century on basis of *the ABC of Harmony* [1]. GPS advocates true definition of peace: “*If you want peace – unfold harmony of SPHERONS on the basis of their science.*” Global Peace can be reached only by conscious efforts of its world actors SPHERONS in all countries through their peace education in this science and not a global preparation to war in an endless arms race.

This modern scientific understanding of global and includes and retains itself a deep intuition of harmony of SPHERONS in the principle of ahimsa at great Buddhist King of India – Ashoka. Their fundamental connection is expressed by the model of Tetranet harmonious thinking in chain of concepts: 1.Harmony of SPHERONS of India – 2.Buddhism: Intuition of SPHERONS harmony – 3.Ashoka: peace through SPHERONS ahimsa – 4.Ahimsa: principle of GPS.

Model-8. Ashoka’s intuition



Ahimsa principle as a principle of Peaceloveology or Global Peace Science has great significance for our time.

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4. Iroquois Nations: 300 Years of Peace. *Leo Semashko*

Our brief review of this topic is made by a large and wonderful article of Neta C. Crawford: *The Long Peace Among Iroquois Nations* [1, 348–359], in which the reader will find many secondary for us but interesting historical details.

We talk about the five North American Iroquois nations: Mohawk, Oneida, Onondaga, Cayuga and Seneca, who around 1450 created a League as a peace union, which lasted about 300 years. This alliance was based on harmony of their diversity with preserving all of their cultural identity and their full autonomy within the League. Each member of the League was free to make war or peace separately with other nations. Prior to the merger, these peoples were almost constant state of war in a form of “endless exchange of forays” on each other. Their union grew out of the Great Law of Peace (or the Great Binding Law), which was adopted by these nations. *"The Great Law is a comprehensive document which includes the policies, procedures, philosophy, and mechanisms of amendment for the League. The main purposes of the League were to achieve general peace and to keep unity and order among the five nations who frequently fought each other before the League's formation. The image is of nations sitting together under a tree of peace"*[12, 352]. This law could be terminated at the request of any of its five allies.

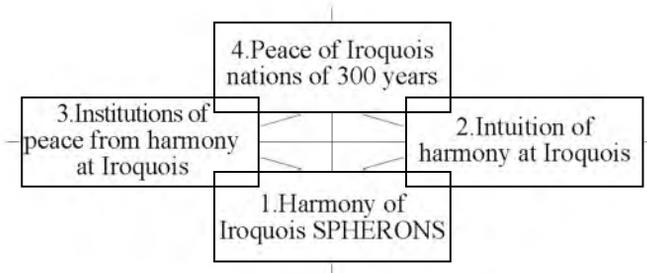
The Great Law was limited to five tribes. *"Relations with Native and later non-Native nations were regulated through a series of peace treaties, known as the Covenant Chain, but could also include war"* [12, 353]. If other people refused to take over peace with the League, it declared war on the rebellious people, captured its territory and disarm it but it was maintained a system of internal control.

The League was ruled by the Great Council of the fifty members on the 10 most worthy representatives from every nation. These representatives were called "sachems" or press secretaries, who upon taking office gave their property in common use, and become the poorest people. If sachems executed their duty bad, they were dismissed from their posts. They were supposed to be above any party to better ensure common interests. The Council met annually, usually in the autumn, on the territory of the Onondaga tribe and made decisions by consensus in the prescribed manner. *"After the League's formation, the evidence of the continuing existence of the League suggests that war among the five and later six nations significantly declined or was entirely eliminated. There is no mention by historians of war among League members after the formation of the League, although there was some fighting, "a quarrel," and etc.* [12, 355].

Without going into further interesting details of this unique peace event within almost 300 years and not finding an explanation of its reasons at historians, we, as in other cases, can assume with full basis the following. Similar cause could only be the universal social structure of SPHERONS of Iroquois nations, which, naturally, they could not know but the harmony which they could comprehend their deep intuition to provide it by the relevant institutions of peace social order in all spheres of their life.

The logic of this complex socio-cognitive process can be expressed by the following model of Tetranet harmonious thinking in the chain of concepts: 1.Harmony of Iroquois SPHERONS – 2.Intuition of harmony at Iroquois – 3.Institutions of peace from harmony at Iroquois – 4.Peace of Iroquois nations of 300 years.

Model-9. Iroquois peace



Intuition of social harmony of SPHERONS is essential for Global Peace Science, which saves, enhances, and scientifically explains this intuition anyway.

The presented above three paragraphs, on the one hand, are the historical proof of SPHERONS, and on the other hand, lay the foundation of a new science – Global History capable to explain with position of global social structure all the diversity of historical events as its infinite manifestation. A striking example is our three cases of long local peace – in Rome, India and North America. None of the historians cannot and tried to explain their social causes / sources in different parts of the world with one approach. GPS explains them from one, universal and eternal source – global harmonious social structure of SPHERONS, intuition of which by separate nations and leaders became deeper reason to establish lasting local peace on different continents. A way from SPHERONS to peace in all cases was through intuition, insight, guess and thirsty of peace in one form or another.

However, as we have seen from our analysis, in each case has its own historic and unique reason of that intuition of SPHERONS that caused each of these examples of lasting peace. At Numa Pompilius it was the nobility of character and high intelligence; at Ashoka this cause were the horrors of war, its bloodshed, destruction and suffering; at Iroquois peoples this cause was the senselessness of continuous mutual military attacks on each other. Unlike the first two cases, at the Iroquois we see the peace intuition not one leader and nations in general, which ultimately made the decision. Therefore peace at the Iroquois is not limited lifespan of leaders as in Rome and India, and lasted for three centuries, i.e. many (about 15) generations.

At the same time establishment and supporting peace ensured in each historical case the fullness of social life of the people in all its spheres, i.e. social, spiritual, political and economic measures / institutions, rather than a single measure / institution of any kind. This confirms spherical pluralism of sources / causes of peace in any case, which is provided by harmonious pluralism of SPHERONS.

Our examples of Numa Pompilius from Rome, Ashoka of India, Iroquois peoples of North America are only a little fraction of similar examples in world history. They can be much larger in the global history of the world and GPS. Ubiquitous and eternal in social time SPHERONS in their permanent structure creates a solid foundation for global history as a scientific discipline that unites all its private areas in the past and present. It is a very broad field for historical researches also in the framework of GPS in the future.

GPS is impossible not only without a history of real cases of peace but without a history of ideas and thinking peace, to which is logical to proceed in the following paragraphs.

Dr. Leo Semashko, Editor in Chief, "*Global Peace Science*" (GPS)

5. Ancient Greece: The Ideas of Peace and Justice from Harmony for GPS

Apostolos John Paschos

This article is a continuation and development of my article "*Greek Philosophy: Harmony Ideas*" published in *the ABC of Harmony* [1, 127–129].

Hellenic spiritual heritage has colossal potential of the philosophical, moral and religious ideas of peace from harmony for the modern Global Peace Science (GPS), which is created in the GHA based on scientific theory of harmony of this *ABC* [1]. In this article I am trying to develop the ideas of Greek paradigm of harmony in aspect of social peace, i.e. in a narrower scale but in the most important sense for modernity.

Among the giants of philosophical thought of ancient Greece, we see two geniuses – Plato and Aristotle, who own a very important idea for GPS.

The first key idea is accordance of the social structure of employment of people as a source of peace to necessary objective laws. The genius of Plato expressed in his ideal of the harmonious state, the social structure of eternal estates of which on employment (philosophers,

soldiers and public workers, farmers and artisans) corresponded to the tripartite structure of the eternal soul (wisdom, courage and temperance/moderation). The eternal soul qualities define and dominate in the corresponding estates. This is the first and perhaps the only one in the history of thought up to SPHERONS an attempt to find an objective and constant basis of harmonious social structure common to all nations. GPS, based on scientific theory of social harmony [1], makes the second such attempt after Plato, setting global and harmonious social structure of SPHERONS (spherical classes of the population) in accordance with the eternal spheres of social production of necessary and sufficient resources PIOT. Namely SPHERONS as fair and harmonious classes of the population, which is proved in the first chapter, are sources, guarantors and creators of global peace. But it has become possible to understand on the basis of only objective structure of the four spheres of social production, which define the structure of SPHERONS and their peace nature, without which this production is impossible, hence life of society and human.

The only difference is that Plato saw the structural basis of ideal state in structure of soul and GPS sees it in the structure of production. Another difference is that Plato allowed peace only between the Greeks but kept constant war of Greeks with the barbarians as a source of replenishment of slaves. Therefore, his understanding of peace was local and limited but it GPS – global and universal.

Another key idea for GPS is peace social nature of human in his aspiration for living together in peace with others. This idea was profound development at Aristotle. But Aristotle, unlike Plato, did not find the objective social structure that ensures peace. He believed this reason is temperance, which provides the harmony between human beings and, therefore, the peace between them.

These key ideas of peace for GPS are supplemented by many others of different character at other Greek thinkers [13, 172–225]. They are identical to deep intuition of Plato and Aristotle in understanding different qualities of Greek SPHERONS.

- Aristophanes, satirical poet (445–386 BC) said, "*peace is thousands of goods*" [14] that expresses the universal character of peace of universal SPHERONS.

- Euripides, tragic poet (485–406 BC) says, "*peace, come on respected city (state)*" [15], i.e. peace requires care and attention of the entire population and all SPHERONS.

- Philemon, writer (361–263 BC): "*Peace is goodness of everything: for marriages, celebrations, children, friends, joy, wealth and health*" [16], hence, the favor of peace is as universal, as SPHERONS – sources of peace.

- Protagoras, philosopher (490–420 BC): said about peace that "*it is fair and advantageous for all*" [17], i.e. SPHERONS establish with peace all other values – justice, favor etc.

The Greek pastors, bishops and patriarchs [18; 19; 20, 21] of the beginning of a new era emphasized that peace is a gift of one true God only to a man with a pure soul, virtue, freedom, law, equality, which includes physical, mental, spiritual, cultural and economic needs of people globally. Here universality, completeness and integrity of peace intuitively reflect the corresponding qualities of their source – SPHERONS.

In ancient philosophy, together with the idea of peace from harmony the idea of justice pursues, unbreakable bond of which is best expressed at Plato: "reasonableness is like harmony ... it adjusts its own way absolutely everything entirely ..., this harmony is reasonableness ... it is justice ... Every single person should do their own work ... and do not meddle in other people work – this is justice" [State: 431e – 433e]. Justice is a consequence of holistic harmony of the estates of Plato's ideal peace state and also one of the inner reasons of peace for this state. In such a definition of justice, Plato through his brilliant intuition anticipates the idea of spherical employment of people, i.e. SPHERONS idea.

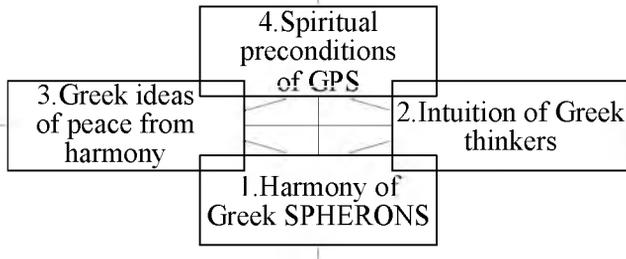
All my experience as a practitioner of medical science demonstrates and confirms that the first pillar of peace is the belief in God as the creator of universe and man. Other pillars of peace are: the family, state caring about education and treatment of citizens, politicians and citizens, their virtues, ideals and values, economic development of all nations, and their harmonious coexistence in love and solidarity. All they are examined in my books [22,23,24,25,26,27, 28].

So I, the indigenous Greek Orthodox, Apostolos John Paschos, Doctor of Medicine and Doctor Nuclear Medicine, physician, philosopher, physician- nutritionist, writer, historian, poet, a follower of the great Hellenic ancestors and all the virtues of peace, which I feel and believe that there is global harmony of people, which along with freedom, justice, democracy and peace can be expressed in GPS to educate it in the universities throughout the world.

I think it is necessary and urgent to help this new initiative GHA, which works with high morale since 2005, creating seven books and 50 projects of global harmony and harmonious peace, integrated into "*the ABC of Harmony*" by 76 co-authors [1]. GPS appears first in the world in the GHA as a way to understand and build global peace from harmony of SPHERONS. This science, as installed in all the universities of the world, will be a true gift of God to all people on Earth for their wisdom and love for neighbor, with universal health and quality of life, because peace is the universal harmony of people in security, education, health and democracy .

The article main content is expressed by model of Tetranet harmonious thinking in the chain of concepts: 1.Harmony of Greek SPHERONS – 2.Intuition of Greek thinkers – 3.Greek ideas of peace from harmony – 4.Spiritual preconditions of GPS

Model-10 Intuition of peace from harmony in ancient Greece



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6. African Philosophy of *Ubuntu*: Beyond Egoism for Global Peace from Harmony. *Heli Habyarimana*

This article is a continuation and development of my article: *African Forms of Social Harmony* in the GHA collective monograph *The ABC of Harmony ... 2012*, [1, 156–157].

People have been striving for peace in their respective homes, countries, regions and the world. However, their efforts have been often deemed to failure because of missing the scientific understanding of the real target. Global Peace Science (GPS) has put forward the

principle “peace from harmony of SPHERONS” for its comprehension in theory, intuition and practice. It is one among a limited number of alternatives to the question of human survival in peace.

The African philosophy of *Ubuntu* has revealed its capacity of building and maintaining peace and harmony. In our article, we attempt to unfold a summarized understanding of the concept and its relationships with harmony and also the interface of these two concepts in prompting global peace which is a sine qua non condition to the future human survival.

Beyond self for humanness through *Ubuntu*. Originating from South Africa, *Ubuntu* was defined by Archbishop Desmond Tutu (2008) [29] as “the essence of being human”. No man can claim to be human by him/herself in isolation, but rather in interconnectedness with others. This is expressed by the Zulu saying “*Umuntu Ngumuntu Ngabantu*”, which acknowledges that “a person is a person through other persons”. Thus, humans should participate to the creation of the humanity by feeling their interdependence and respecting particularities.

Ubuntu life skills and guidelines as stated by Broodyk [30] comprise a range of principles as sameness, brotherhood, equality, mutuality, sympathy, tolerance, respect and lack of oppression. Moreover, *Ubuntu* involves people’s shared happiness, the sense of interdependent survival and the spirit of wealth sharing among the community. All in all, they contribute to shaping the ultimate value of humanness and a valued consideration of the other as an image of self.

It is worth emphasizing that *Ubuntu* is a culture, a philosophy and a moral. In this respect, it is regarded as patterns and values of behavior between members of the community, which prompt them to live and act as prescribed by the *Ubuntu* knowledge. In addition, a community with *Ubuntu* has established it as its fundamental belief and ethics that guide their thinking and doing. As a moral quality, *Ubuntu* generates positive principles that bring about a suitable lifestyle and a certain identity to people.

***Ubuntu* and Harmony as siblings.** A tight relationship between *Ubuntu* and Harmony may be drawn down. Indeed, *Ubuntu* “favours the re-establishment of Harmony” in case of social dislocation. The room is hereby given to tolerance and empathy towards one another. Therefore, Harmony is the result of the practice of *Ubuntu* as concluded Broodyk [30, 27] that “the outcomes of applying *Ubuntu* life coping skills is propagating harmony” in the community especially when recovering from crisis.

Along the same line, *Ubuntu* is a cause of Harmony and the latter is a consequence as prescribed by classic conditionals ‘if you sow *Ubuntu*, you shall harvest Harmony’ or ‘if you want Harmony, practice *Ubuntu*’. The route towards harmony goes through *Ubuntu*, which ties the two concepts in a ‘cause-effect’ relationship on the one hand.

On the other hand, harmony may be taken as “virtue” of *Ubuntu* in the sense that a man of “*Ubuntu* personality” is characterized by his “living in harmony” with others [30, 4]. This lifestyle does not limit to human beings, but it extends to the natural environment as well as the supernatural world.

Furthermore, conditions for harmony, namely “people, their diversity, unity and consent” adhere to principles of *Ubuntu* in the course of life. Their recognition is crucial in fighting against “disharmonious forces” like war and risk of wars, consumerism, individualism, oppression, and etc. Thus, *Ubuntu* and Harmony are set as the common denominator of global peace in general.

***Ubuntu* and Harmony for Global Peace.** Global peace should be effective if the humanity were acquainted with *Ubuntu*. Chaplin [31] called upon individuals and communities to take *Ubuntu* as both “the right and the responsibilities for each citizen in promoting individual and societal well-being”. This is not only a matter of choice where everyone is free to “take it or leave it”, but also and especially it is a must that all people should endorse.

Tellingier [32] reported President Barack Obama’s speech at Nelson Mandela’s memorial where the President praised *Ubuntu* as “the social structure and a simple way of life for our communities [..and..] a beautiful life of abundance for all – on all levels of human endeavour”.

He further commended the *Ubuntu* Movement as a powerful tool to “liberate all of humanity from the devastating economic enslavement” which is the worst evil of the current century. Thus, *Ubuntu* is the freedom that people should live for so as to enjoy peace and harmony. The statement reinforces the earlier address by another U.S. Republican President Theodore Roosevelt (1903) who highlighted “the need for an *Ubuntu* philosophy” as “the economic and political principles that best serve the country” for sustainable peace in the world.

In his reflection on “*Ubuntu: a philosophy of the future*”, Tim Miner Ounl [33] contrasted it with the “Individualism Western thought” while he was discussing the possible suitable way of survival for the future humanity. The conclusion was that individualism “is subordinated to the needs of the greater human community” whereas *Ubuntu* is “the greater good of the community”. Thus, *Ubuntu* is rather higher positioned to ensure the world survival than any other philosophy, and the sustainable future for Global peace is in the effectiveness of *Ubuntu*.

The holistic aspect of *Ubuntu* makes it the most suitable way towards peace. *Ubuntu* caters for religions, spirituality, economic world, social order, individual matters, nations and business. The aim is to alleviate all barriers and thus to foster prosperous and harmonious religions, economic systems, collaboration between nations and individuals, as well as fair business. Chaplin [31] qualified this holistic aspect as “*Ubuntu* is an African word for a universal concept”. Therefore, global peace should be thought of in a holistic way, which gives an advantage to *Ubuntu* as its foremost promoter. Besides, the *Ubuntu* holism is connected with its globalism. From African roots, *Ubuntu* philosophy has got “global implications” as put forward by Miner Ounl [33]. In fact, “it ties each of us to the common good for all others in the world [...] with its potential for a lasting and just peace in the world”. Thus, the movement should not be confined to Africa, while it has the potential of a worldwide significance.

Murithi [34] explained the global implications of *Ubuntu* in terms of its lessons towards global peace. Four among the lessons are namely public participation in the peacemaking process, supporting victims and suffered in making peace, acknowledging guilt and granting forgiveness, and recognizing the essential unity and interdependence of the humanity. These lessons have been promoted by *Ubuntu* through empathy, cooperation and sharing of the common good. In that perspective, the world needs “*Ubuntu* forms of governance” and “*Ubuntu* economies” for global Peace [35; 36; 37; 38; 39].

To recap, each society develops its home strategies and techniques for peacemaking, and communities learn from one another. Thus, the African *Ubuntu* should inspire Africa and the rest of the world towards Global peace.

Conclusion. *Ubuntu* is definitely an opportunity towards Global Peace and Harmony. It is the most powerful alternative to the current world crises as well as “a *sine qua non* condition for a just and sustainable world order” in all regions. It is in this framework that the Rights and Humanity Emergency Congress of February 2009 made “*Ubuntu* Declaration for a Just and Sustainable World Economy” (http://www.gentleaction.org/library/Ubuntu_Declaration.pdf) where they called upon leaders to take action towards the integrated world peace.

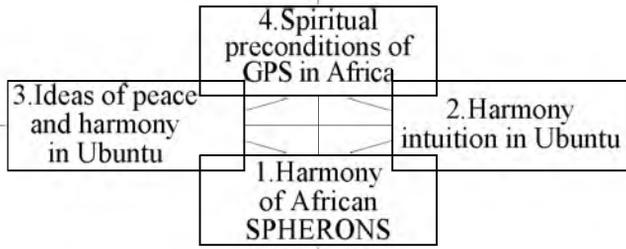
As the world has got numerous hidden opportunities to cope with too complex challenges faced by the humanity, *Ubuntu* may help more to discover their practicalities of implementation. It may further establish and sustain global codes of conduct to be adopted by all human beings for the survival of the humanity. Therefore, *Ubuntu* is both “an economic argument” and “a moral imperative” to lead the humanity from global crisis towards global opportunities for all humans. In this sense, *Ubuntu* might prompt changes and best practices to the benefit of not only individuals, but also and especially the humanity as a whole.

The philosophy of *Ubuntu* creates the fertile soil and effective way on the African continent for the recognition and dissemination of Global Peace Science (GPS), especially the ideas of its universal SPHERONS as eternal actors of global peace from harmony worldwide.

GPS explains the profound ideas of peace from harmony in the philosophy of *Ubuntu* through its intuition of SPHERONS. However, the question of the relationship and mutual supplementation of GPS and Ubuntu requires special detailed analysis.

The article main content is expressed by the model of Tetranet harmonious thinking in the chain of concepts: 1.Harmony of African SPHERONS – 2.Harmony intuition in *Ubuntu* – 3.Ideas of peace and harmony in *Ubuntu* – 4.Spiritual preconditions of GPS in Africa

Model-11. Intuition of peace from harmony in African philosophy of *Ubuntu*



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7. Erasmus, Gottfried Leibniz and Immanuel Kant: Founders of Global Peace Science from Harmony. *Leo Semashko*

The idea of peace from harmony as intuition of origin and flourishing of human peace on the basis of social harmony and consent of people has very difficult and a long world history beginning with Homer, Buddha, Confucius, Christ, etc. This idea, as intuition of past history, is the source of global peace science (GPS), which gives to start the scientific study of global history of peace from harmony for the first time in the world. Among the myriad of past intuitive ideas, conjectures, hypotheses and predictions of peace from harmony, we find three of the most profound and thorough, which, from our point of view, can be considered as a sufficient source of GPS and the authors of these conjectures can be considered as the founders of GPS. These are: Erasmus, Gottfried Leibniz and Immanuel Kant, a brief analysis of the relevant texts of which below, we believe, confirms our assumption.

Erasmus of Rotterdam or Erasmus (1466–1536), originally from the Netherlands, the greatest scientist of the Northern Renaissance, known as the "prince of humanists", published in 1517 (five centuries ago!) pamphlet entitled "*The Complaint of Peace, Banished and Defeated Everywhere,*" briefly "*The Complaint of Peace*" [40, 30–65]. Defining peace as "*the source of all prosperity of people,*" Erasmus denounces war as the main misfortune and misery of people. He writes: "*I, Peace, is celebrated by all men and gods as multiplier and defender of all the best that has ever existed in heaven and on Earth ... War, on the contrary, is nasty to all things: war is the root cause of all the ills and evils, bottomless ocean absorbs all without distinction.*" War is "*a criminal deed and ... the source of all crimes.*"

Erasmus recognizes harmony/consent of people as the cause of peace and superior quality of reasonable human nature: "*nature has endowed mind the human only ... and the desire to*

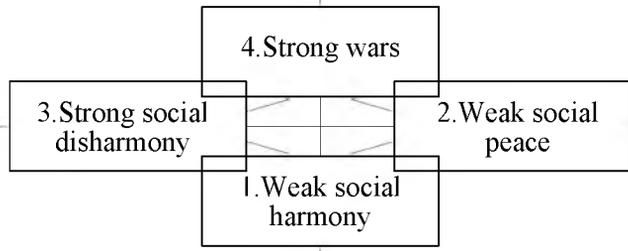
agree Nature teaches people to harmony and peace ... but nature is so strong among the wild beasts, cannot do anything with people... it is not able to reconcile" them. This means that natural harmony only, by Erasmus, is not enough to peace reigned between people. Erasmus recognizes the disagreements/disharmonies as "the sources and causes of all enmities and wars" among all segments of the population, among scholars, among of different religions, among the believers of one religion, and even within the family, and each person, but especially among the rulers. Among them, the vicars of God as the "Prince of Harmony," – "I cannot find even a shadow of the true peace and harmony!" The sovereigns, whom Erasmus called tyrants, "see and feel the own power only destroying the agreement (harmony) among the people ... to involve people in the war, to separate it ... to make it easier to plunder and torture of unhappy people."

The same role plays the bishops, cardinals and popes who participate in wars and encourage them. Therefore, the peacekeeping mission of Christianity has fallen. "That Christ praised peace as the best thing and decried war as the most pernicious thing, it is hardly able to reconcile the peoples and like little monarchs." Erasmus develops this idea further: "The Pope has supreme authority. But when nations and sovereigns randomly fierce fighting in the war in the course of many years, where is it, that papal authority? ... Pope calls for war – people obey. Pope calls for peace – why do people do not obey the same way? ... This shows that under the pretext of church's ministry the popes were served their own greed, not to say about them worse."

Erasmus is looking for a tool that will protect harmony: "If you hate in your heart war I, Peace, will give you advice on how to protect consent." He sees this tool to support everything that serves the common good rather than self-interest: "Peace and harmony among the citizens can curb the evil thoughts of bad sovereign. Let neither citizens nor sovereign not think about their private benefit." Commonweal provides consent/harmony between people and prevents war. This is the great conclusion of Erasmus: the common good is consent/harmony (and vice versa), which excludes war generated by private interests. "The war has nothing to do with the public interest." However, Erasmus recognizes just wars against the barbarian invasions as a public good. He admits only unjust and criminal the wars between Christians. He appeals to reason of Christians: "Understand, what a colossal power is in harmony (consent) of set (people), opposing the tyranny of the nobles! ... The most people hate the war and pray for peace. A few, whose vile welfare depends from national grief, want war."

Almost all the deep intuitions of peace from harmony/consent and all the riches of social imagination of this peace at Erasmus are the source of GPS. But harmony at his is subjective and surface, therefore weak, depending on the arbitrariness of people and deprived of social need and objective basis. It makes peace by weak, "banished and defeated everywhere" as he himself admits. Weak harmony allows disharmony and wars from it to be strong, long-lasting and debilitating. Erasmus intuitively realized and expressed that general historical trend, which can be called a trend of "social weakening peace" and which can be represented by the following chain of concepts 1.Weak social harmony – 2.Weak social peace – 3.Strong social disharmony – 4.Strong wars. This trend is resulting in fall of the common good and the growth of social destruction and pathology. The chain of concepts of this historical trend is expressed by the following model of Tetrant harmonious thinking:

Model-12. Weakness of peace from harmony at Erasmus



Erasmus' main merit is to establish the inseparability of, on the one hand, peace and harmony, and on the other, disharmony and war. They are practically indissoluble and identical at him that GPS accepts and develops. Erasmus therefore can be considered with sufficient ground as one of the pioneers of this science – GPS.

The attributes of social necessity and sufficiency of harmony were available to Leibniz's intuition in his, per se axiomatic, pre-established harmony, which he gave the highest – the divine, absolute sense.

Gottfried Leibniz (1646–1716), German philosopher, mathematician, historian, creating theory of the predetermined/pre-established harmony (this concept was first mentioned in 1696), which was the result of his passion since the age of twelve to look for all the "unity and harmony" under the influence of Confucianism. This Leibniz's doctrine should explain, within his philosophy of Monadology, universal inter-dependence and consistency in the world by **God's pre-established harmony, i.e. consent and conformity** between mutually independent physical and spiritual substances, i.e. between monads of soul and body, or between essence and existence in the universe, in which "*everything breathes by mutual consent.*"

This atmosphere of harmony was created by God before monads and is embedded in them as their preset nature, reflecting and incorporating "all in all" and therefore coordinated (harmonious) always and everywhere. He gave this theory crucial importance as a new proof of God's existence previously unknown. Recognizing harmony established by God before any creation, Leibniz explained that its fundamental role in all that He created. He saw no other way to understand the consistency of natural universe except through divine harmony. It defines a single world order, the unity of its diversity and common laws of its development [41, 371–373 etc.]

The famous historian of philosophy Igor Narskiy [42, 319–321, etc.] wrote, "In the system of Leibniz, main role of God consists in the integration and harmonization of monads Harmonization of monads ... forces them to restrict each other." In the epistemological sense predetermined harmony means that "*the results of cognition also compose a harmonious system.*" (This harmony demonstrates, in particular, the GPS creation, including the SPHERONS theory uniting its precursors' ideas presented in this paragraph.)

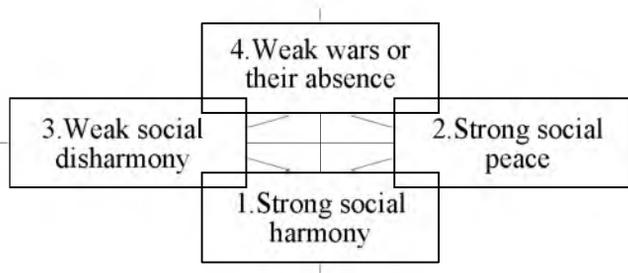
Leibniz believed that the present world was created by God as the best (harmonious) of all possible worlds, including human society, as the essential harmony of monads defines the harmony of all their manifestations, including social. Therefore, God established harmony between people provides a lasting peace in which wars – it is only local, occasional, temporary and pathological deviations from it. So Leibniz ignores a problem of war and peace, considering it clear, solved once and forever by his pre-established harmony "in our most perfect", i.e. very harmonious world. The fact that people still cannot live in it by fully harmoniously and without wars – it is a matter of time: the future history will correct this injustice, when people overcome their ignorance in harmony.

If Erasmus' peace is a pathetic island in an ocean of eternal war, "*banished and defeated everywhere*", which cannot save even the human consent because of its subjectivity,

precariousness and fragility, in the system of Leibniz's pre-established harmony peace is as strong and eternal as this harmony installed by God absolutely. Therefore, Leibniz's peace is the eternal ocean of divine harmony, in which the war is only temporary and miserable islands disappearing under the influence of pre-established harmony, eliminating any deviations from it.

Unlike Erasmus, Leibniz outlined intuitively the opposite historical trend, which can be called a trend of "social reinforcement" and which can be represented by the following chain of concepts: 1.Strong social harmony – 2.Strong social peace – 3.Weak social disharmony – 4.Weak wars or their absence. This trend is resulting in the growth of the common good and reducing social destruction and pathology. The chain of concepts of this historical trend is expressed by the following model of Tetranet thinking:

Model-13. Lasting peace from harmony of Gottfried Leibniz



Both opposite historical trends act simultaneously and are determined by the quality and scope of social harmony, which depends from the quality and scope of its 16 fundamental elements presented in SOCIONOME (see above). But Erasmus' trend is full dynamics and development and Leibniz's trend is devoid them in view of the absolute nature of pre-established harmony. The main merit of Leibniz is to find the eternal source of harmony, which he found only in God. Harmony at Leibniz, like Pythagoras and Plato, received divine sanctification that is very important for recognition of its highest social value and priority. This idea takes and develops GPS, therefore Leibniz, like Erasmus, can be considered with sufficient ground as one of the pioneers of this science – GPS.

Thus, if Erasmus found and identified a link of peace and harmony, dependence of the first from the second but cannot find eternal source of harmony/consent of people, Leibniz found it in the divine pre-established harmony of all things but cannot find its specific grounds in society, in social nature. It did Kant, who rejected the pre-established harmony of Leibniz.

Immanuel Kant (1724–1804), the great German philosopher, published in 1795 a brilliant treatise on "Perpetual Peace" [43, 150–192]. In this work, in the "FIRST SUPPLEMENT OF THE GUARANTEE FOR PERPETUAL PEACE" to the "Third Definitive Article of Perpetual Peace," he made the greatest discovery of the "*harmony among men*" as social nature and the guarantee of eternal peace ("*The guarantee of perpetual peace is nature*"). This nature "*establishes harmony between morality and politics by transcendental concept of public right*," on which Kant builds the harmonious agreement of "*perpetual peace among nations*." Just right, uniting in consent/harmony the goals of all individuals and groups in society is an adequate way of expressing eternal social nature of humans, and therefore the only tool to achieve eternal peace, "*which is not just a chimerical one*." But the right is able to achieve this goal only through eternal harmonious social nature of people, their abilities and employment. He writes: "*nature guarantees perpetual peace by the mechanism of human passions*." This means that by nature a man is peaceful and harmonious, so eternal peace is only a matter of

time. A more detailed and comprehensive analysis of Kant's philosophy of peace is represented in a remarkable and innovative article of Eugene Ivakhnenko [44].

Recognition of harmonious social nature is the main merit of Kant. He found the source of peace in harmony not only God but also in human nature itself, in the active productive employment of people, which can only be a harmonious and peaceful, i.e. of peaceful from harmony. This idea is fully perceived and developed in GPS. Therefore, Kant, like Leibniz and Erasmus, we can assume, with sufficient reason, one of the founders of this science – GPS.

Kant, like Leibniz, is a supporter of the strong historical tendency but unlike him he sees the force of this trend not only in God but in the production nature of society. GPS develops precisely this tendency in its central theory of SPHERONS with which we, in the words of Kant, associate "revolution in the way of human thinking," i.e., necessity of revolution of very straggled social thinking in general and especially the sources of eternal peace.

We do not touch here with two important aspects of Kant's theory of perpetual peace: 1. Legal, which studied in detail in many other works [45; 46; 47; 48] and 2. Philosophical contradiction with the contractual theory of society, in which the so-called "natural condition of people" is understood as "war of all against all" (Hobbes), i.e. as congenital in nature the hostility of people to each other. The second point, in our view, is a new antinomy Kant, who recognized Hobbes' theory and simultaneously asserted the possibility and inevitability of perpetual peace as a result of a harmonious human nature. The eternal peace is impossible if human nature is military, and if it is possible and even more inevitable as in Kant, the human nature is peace, not military.

This antinomy may be defined so: human nature is harmonious/peace-loving and at the same time is aggressive/warlike, shortly: peace/war nature. In this antinomy both theses can be proved equally well, if limited historical experience, which gives the myriads of examples how peace so and military aggression. Unfortunately, Kant did not formulate this antinomy; therefore, an opposite of these theses remained as logical contradiction in his philosophy of peace. This antinomy will be discussed in the next paragraph.

The conclusions from the analysis and comparison of peace doctrines of three philosophers as founders of GPS are.

1. All they recognized harmony as source and foundation of peace. It is their identity and a cause of their recognition as the GPS founders and their different and contradictory in understanding of harmony is philosophical impetus for development of GPS.
2. Erasmus unfolded the dependence of peace from harmony but found no objective basis for harmony.
3. Leibniz found this basis in the divine pre-established harmony but did not find it in society.
4. Kant defined the foundation of social harmony in active employment of people but did not find its social structure and limited the achievement of perpetual peace only right.
5. All three approaches to understanding peace from harmony epistemologically based on intuition of SPHERONS as the eternal social structure of harmony serving a source of peace but on its different sides and manifestations.
6. All three approaches are the necessary intuitive steps of approximation to scientific knowledge of social harmony of SPHERONS as an eternal structural basis and source of global peace in society.
7. SPHERONS in their structural quality as harmonious creators of necessary social resources are the common denominator of these approaches.

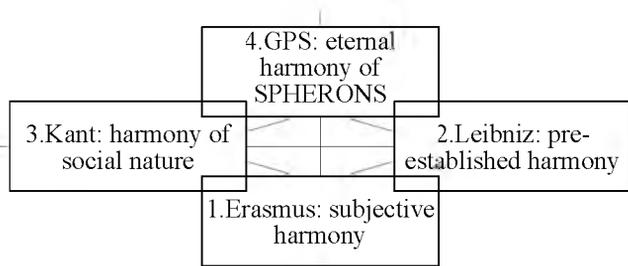
The creation of SPHERONS' theory in GPS through more than 200 years after Kant and almost 500 years after Erasmus, that expresses its complexity and difficulty for knowledge, marks the transition of past intuitive guesses and assumptions about peace from harmony on a truly scientific level. It integrates the logical theory (the first chapter), statistical empirical evidence (chapter two) and the historical evolution of SPHERONS idea as a synthesis of

positive intuitions of past approaches. SPHERONS express indissolubility of peace and harmony as at Erasmus; they are eternal as at Leibniz; they are social as at Kant and they acquire the structure and consciousness through GPS.

Only conscious SPHERONS provide a strong historical tendency of global peace in its entirety. Therefore, in harmonious unity with the theory of SPHERONS, Erasmus, Gottfried Leibniz and Immanuel Kant are the GPS founders and their ideas acquire a new historical meaning in the new spiritual dimension, composing elements of modern scientific revolution of straggler social cognition.

The main content of this article is summarizing in model of harmonious Tetranet thinking by chain of concepts expressing attributive transformation of harmony at the GPS founders: 1.Erasmus: subjective harmony – 2.Leibniz: pre-established harmony – 3.Kant: harmony of social nature – 4.GPS: eternal harmony of SPHERONS

Model-14. Attributive transformation of harmony at GPS founders



In this dynamics of harmony attributes, SPHERONS of GPS take its logical place, integrating its quality at the predecessors and opening perspectives of the new qualities and institutions of social harmony necessary for conscious SPHERONS and their scientific construction of global peace. In their philosophical knowledge a key role play different intuition of SPHERONS' social harmony among different nations at different times. As wrote the famous explorer of Leibniz's philosophy and antiquity Gennady Mayorov, "*idea is the intuition of being*" creative inspiration, knowledge start and incentive of thinking, the result of which is the concept" [49, 110–117]. Jurgen Habermas, in the ethical analysis of Kant's idea of peace, also recognizes its intuition but value character [50]. As intuition of Democritus' atoms passed history of almost 2500 years to the scientific concept of atom, also intuition of SPHERONS, since Numa Pompilius, passed in the history of almost 2,700 years up to their scientific concept in GPS. Awareness of intuition and concept of SPHERONS was only possible within their scientific theory of harmony in the ABC [1, 25–65], developed in the early chapters of GPS.

Dr. Leo Semashko, Editor in Chief, "*Global Peace Science*" (GPS)

8. What is the Human Nature: War or Peace? SPHERONS:

Logic of Peace Nature. *Leo Semashko*

The dilemma of military/peaceful nature of human is the eternal question of philosophy and knowledge in general. Its range was defined by Plato, when he placed the human between God, who knows all things, and animals that are unable to comprehend the world. The human nature is to know the unknown, it is homo sapience. However, it is purely epistemological definition, which does not answer the question of social nature of human directly, though connected with it. If we do not know the human nature, we do not know to what is intended his reason: for war to kill their own kind, or for peace to continue the life of persons and society?

The most common response to the question of human nature became a Social contract theory of Thomas Hobbes, who defined this nature as military. **Thomas Hobbes** (1588–1679), the celebrated British philosopher, known for Social contract theory as a theory of the state in which the doctrine of man is its introduction into the main work of Hobbes' Leviathan. His ideas about human nature got the most widely recognized and adopted so far, although many followers corrected it and opponents criticized it. He writes: "we find in human nature are three main causes of the war: first, competition; secondly, mistrust; third, the thirst for glory ... It is obvious that as long as men live without a common power, holding them all in fear, they are in that condition which is called war, and it is in a state of war of all against all (*bellum omnium contra omnes*) ..., when everyone is an enemy of each ... In this state there is no place for labor love, .. there is no agriculture, shipping, maritime trade, ... no knowledge of the earth's surface, calculating time, crafts, literature, no society, and, worst of all, there is a perpetual fear and constant danger of violent death, and human life is lonely, poor, hopeless, dumb and short-lived "[51, 333].

Thus, human is naturally hostile to the other person and he is more cruel beast than wolves, bears and snakes. Therefore, "Man is a wolf" (*homo homini lupus est*) and he uncontrollably tends not to peace with other people and to the power and property. All this at Hobbes characterizes most clearly "natural state" of people.

Professor Igor Narskiy wonders the legitimate question: "*when and where was indeed observed in the Earth the natural state? Hobbes does not "tie" it to the specific conditions of primitive life and do not correlate with any real historical chronology ..*"[52, 167]. Consequently, Hobbes' proposed model of human nature and its natural state has no scientific sense, as devoid any empirical grounds. Similarly, we can arbitrarily ascribe to human nature any qualities. The only reason explaining these fictions of Hobbes can only be temporary and local facts of "*revolutionary events in England in the mid XVII century, when the clashes of selfish property relations culminated... (together) with ruthless pauperization of peasants*" [ibid.]

Contrary to scientific insolvency of Hobbes' teaching about military nature of a human and its natural state as a "war of all against all" or "each with other", it has a lot of supporters, even among thinkers. We have already emphasized that among them was Kant, who in confirmation of Hobbes' understanding of human nature emphasized: "*From such a curve plank as that, from which a human is made, you cannot do anything direct,*" having in mind "*the inevitable antagonism*" and life "*through wars*" in human society [53, 14–15]. The life of this false and fantastic doctrine up to now can only be explained by one thing: it is advantageous militarists and arms manufacturers of all time and nations, so they defended and will defend it contrary to the facts, science and logic.

But science must show, on the one hand, the falsity of doctrines of military nature of human (primarily at Hobbes), and on the other, to oppose them the scientific theory of the peaceful nature of human.

The falsity of Hobbes' doctrine of human nature is as follows:

1. In this notion of Hobbes are mixed two concepts: animal and social nature of human.
2. When Hobbes speaks about human as a more brutal beast than wolves, bears and snakes, he has a view the animal nature, appreciating its erroneously and at humans and at animals. This well had noticed still Erasmus: "*Consent (harmony – L.S.) exists and among the most ferocious and wild beasts. Lion never shows vampirism to their fellows. Boar do not rips smashing tusk other boar. Among lynxes peace reigns A consensus among wolves even become proverbial Only people – and they need the most unanimity – unable to reconcile any kind and powerful nature, no education, no clear benefit from mutual consent*"[54, 41]. The animals are unable to kill their own kind and the people – are able, but not by any innate nature and by ignorance in harmony/consent and inability to organize their lives in it.

3. On social nature, a human is public being, capable only live together with others humans that already was well understood by Aristotle over two thousand years before Hobbes. Therefore, human cannot live "lonely" and kill each other, according to Hobbes. This is absurd. A man can only live in society that is only together with other people in peace and cooperating with them, rather than killing them. Outside of society and without people a man cannot exist. Therefore, the reason is given to man for peace and not for war. However, in some, militaristic conditions, such as the USA, where everyone is allowed to have guns, society is moving in the direction of the war of all against all.

4. The social nature and condition, by definition, are impossible without labor love, production, knowledge, and society. But Hobbes admits their absence for a man with complete seriousness, though this is the chimerical and unnatural condition appropriated to the frogs and other animals but not the man as a social being.

Therefore, all of Hobbes' "proofs" of military nature and natural state of man has nothing to do with science. They are only good for the warlords that similar "arguments" justify their military aggressions, such as Mussolini, who said "man is nasty animal"; or as the Prussian King Frederick II, who claimed that war is inevitable, as "the men are the most vicious creature in the world and always will kill their own kind", etc.

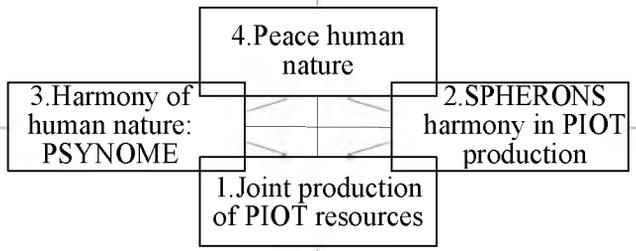
The social nature of man can be determined by science only within holistic system of universal and permanent elements of society represented in SOCIONOME whose center are SPHERONS (see the first chapter above and *the ABC of Harmony*) [1]. The history knows a myriad of facts as the lowest as and most sublime of human behavior. What is the nature of man? It cannot be deduced from this set of facts. Of them can prove both military and peace nature of man as another antinomy of knowledge. It is needs the **logical proof** of human nature, which is sole by Leibniz, which guarantees objectivity and truth of knowledge.

Such proof gives the theory of SPHERONS substantiating from harmony the peaceful nature of human. It is logically deployed in detail in the first chapter and confirmed statistically in the second chapter. Briefly recall its essence. The human nature is harmonious and peaceful thanks to a joint, all people, the SPHERONS production of spherical PIOT resources needed every society in history. Every adult is involved in all areas to the extent possible, and belongs to all SPHERONS, passing from one to another as needed. Therefore, the murder of each partner of co-production by everyone is no possible! This would stop the production and would kill society. Therefore, the joint production of all the necessary resources is harmonious and peaceful. Harmonious nature of SPHERONS and every man in his essence, expressed by psychological genome PSYNOME, similar to SOCIONOME, define peaceful social nature of man [1, 36–45]. It is a logical conclusion of GPS and at the same time its basis for the subsequent conclusions.

Social contract as a common good can be understood and is based only on the joint production of the necessary resources PIOT by relevant SPHERONS in peace from their harmony. SPHERONS establish the State and Law (see below). This is a fundamentally new explanation for the origin of a new civil society, all previous history of which a deep intuition of social peace from harmony of SPHERONS accompanied in many different ways. Analysis of its evolution within epistemological perspective of GPS is a task of the new, global history of peace from harmony.

The considered logic of peace human nature can be represented in a model of Tetranet harmonious thinking by the chain of concepts: 1. Joint production of PIOT resources – 2. SPHERONS harmony in PIOT production – 3. Harmony of human nature: PSYNOME – 4. Peace human nature.

Model-15. Logic of social peace nature of human from harmony



The military nature of man is excluded by social peace nature of society, its SPHERONS and human. The existence of war is not due to their nature and superficial, temporary and local historical (transient) causes of social disharmony, which were considered in the first chapter in general and will be analyzed in more detail below.

This paragraph is summarized in the following theses of the logic of peace animal and social nature of human.

1. The nature of animals is peaceful, as if it was a military, i.e. would be to murder their own kind, all kinds of animals long would destroy themselves for hundreds of millions of years of evolution .

2. The nature of primates, including humans, is also peaceful, as if it was a military, the primates long would destroy themselves for tens of millions of years of evolution. The assumption of the "*natural state of war of all against all*" means, ultimately, the victory of only being in a result of murder of all others, and death of this victor in solitude of the impossibility of procreation, safety from other animals and obtaining the necessary resources.

3. The nature of human, a reasonable being (homo sapiens) is also peaceful, as if it was a military, the human long would destroy themselves for tens of thousands of years of evolution.

4. Any logical assumption about existence of primates with a military nature is recognition of their kinds become extinct and disappeared from the evolution of animal kingdom as a result of military self-destruct in "*natural state of war of all against all (each with each)*" without any traces in the evolutionary history due to the high speed of self-destruction.

The theses of this logic can be represented, for clarity, in the following table.

Table-1. Peaceful and Military Nature

Being	Its nature: peaceful or military	Nature Result
Animals: one of biological kingdoms, along with the kingdom Plantae	Peaceful nature	Survival and development during hundreds (over 600) million years
Primates	Peaceful nature	Survival and development during tens (over 50) million years
Hominids	Peaceful nature	Survival and development during tens million years
People (lat. Homo) is the genus of hominids	Peaceful nature	Survival and development during about 2,5 million years

Homo sapiens (Latin: "wise man") is the human genus	Peaceful nature	Survival and development during about 40 thousand years
<u>Any Animal</u>	<u>Military nature</u>	<u>Self-destruction</u> of its kind and full extinction without traces in evolutionary history because of the high speed of self-destruction. It is logically admitted the existence of primates with military nature, which disappeared from animal kingdom evolution without the traces as a result of rapid military self- destruction.

As we can see from this table, the logic of evolutionary history of animals, including human, leaves no room for a military nature and its "natural state of war of all against all (each with each)" in any of the historical choices. "The military nature" is pure fiction and myth of abstract thinking, which transforms the private (temporary and local) wars in the rank of the eternal, universal and unchanging "human nature." In reality, the nature of animal kingdom, along with the human race is peaceful, as demonstrated by time, i.e. the whole history of animal evolution. This is the most powerful and persuasive fact of peace human nature, which is devoid an abstract hypothesis "military nature of human."

The historical proof of peaceful nature of human and society requires logical argumentation and theoretical explanation. It was first presented in tetrad paradigm of global peace from universal social harmony of SPHERONS in Global Peace Science in this book.

To eliminate the epistemological source of the ideas about "military nature of human" and its "natural state of war of all against all", people should learn to live in peace from harmony that requires not only intuition but also science of peace. Just so people can live in peace without killing each other to continue the human race and do not expose it to risks of self-destruction through growth of weapons and violence. Other way to survive, except peace, at human, like all animals, does not exist. Mankind makes this whole history but intuitively, leaving ample field for wars on the scale of its ignorance in social harmony. We can assume that humanity possesses on 70–80% intuitive global peace from harmony and by 20–30% (on the maximum number of population, which participated in the biggest World Wars) its space remains open for wars of ignorance in harmony. This social space of war will decrease on the measure of growth of GPS education and the corresponding, peaceful consciousness from harmony. Of course, we must understand that at the modern weapons for self-destruction of humanity is enough space of war and in 30, and 20 and 10 and one percent. While this space is not to be reduced to zero, until mankind will stand on the brink of self-destruction. Freedom from its danger will be achieved with the full disarmament.

God gave people an intuitive way to live in peace, above all in the family, so as not to interrupt the human race, and not to condemn it to extinction. But in large masses of people in large-scale societies, besides intuition requires scientific knowledge, consciousness and will to live together in peace from harmony. This knowledge, consciousness and will give GPS and global education in it since childhood. Only in this case, the peaceful nature of human will reach the fullness of reasonable historical development. Scientific consciousness of peace from harmony in GPS will supplement intuitive peaceful human nature, which is expressed in religion, art, family, and other basis social institutions up to necessary completeness, excluding any space war in society. But with the current level of public consciousness and traditional social thinking, ignorant in scientific, objective, harmony, eliminate the space of war from society is not possible. GPS opens this possibility really, scientifically convincing humanity in its ineradicable peaceful nature and debunking all the myths about its military nature as false and inhuman.

Dr. Leo Semashko, Editor in Chief, "Global Peace Science" (GPS)

9. Classic Peace Ideas in GPS and their GHA Interpretation

Francisco Goya: The Sleep of Reason Produces Monsters.

GHA comment: The Sleep of Peace Reason Produced War Monsters of the 20th and 21st Centuries. Only Global Peace Science will awake this reason. But this science does not yet exist. We must create this science that military monsters of military science would not engulf humanity in the sleep of peace reason.

Immanuel Kant: Natural harmony among men is the guarantee of perpetual peace, which is not just a chimerical one.

GHA comment: Kant, in the spirit of his antinomic thinking, held antinomic definition of human nature: the military posed by Hobbes, and harmonious. His philosophy of harmonious social nature of people is the original theoretical foundation and source for the Global Peace Science. Therefore Kant is the ancestor of this science as a science of social harmony, which was most fully developed in the GHA peacemaking books and projects since 2005.

Social harmony provides the best, most just, most free and most equal opportunities and rights for the development of every person, every part of society/humanity and it as a whole. Therefore harmony excludes wars between the parts and is a natural and therefore the ultimate guarantor and source of peace. Hence, peace comes from harmony.

Mahatma Gandhi: If we are ever to have real peace in this world, we shall have to begin with the children.

GHA comment: If we are ever to have real peace in this world we shall have to begin with the children, with the ABC of Harmony as peace science, and with their harmonious peace education.

Nelson Mandela: Education is the most powerful weapon, which you can use to change the World.

GHA comment: Education will always be the most powerful weapon to change the world, when it will become a planetary harmonious education in Global Peace Science.

Albert Einstein: Peace cannot be kept by force. It can only be achieved by understanding.

GHA comment: Hence, peace can be achieved and built only by reason, armed with global peace science and embodied in global consciousness through global education in it.

We should overcome the challenge of scientific disarmament and ignorance of peace reason in the face of the powerful and excellent armament of militaristic reason by highly developed for two centuries military science, to which today are served millions of military experts, scholars, teachers and students in thousands of military headquarters staff, academies and colleges of the world.

Charles, Prince of Wales: Harmony is a revolution in our outlook and thinking.

GHA comment: GHA has been developing a harmonious outlook and thinking since 2005, but only now we have come to understand its revolutionary character in Global Peace Science. This science is an intellectual revolution of peace thinking (worldview, theory, philosophy, consciousness) of humanity of the 21st century. Such a scientific revolution of peace thinking is the response to the actual collapse of traditional peace thinking, which has been expressed in the 20th century to the present day in its complete impotence before two world wars, before daily local wars, before galloping military expenditures and the arms race for the third world war, before rising terror and individual murders, etc. This revolution will allow creating Global Peace Science that cannot be created in traditional peace thinking in spite of all its merits.

The revolution of peacemaking thinking from harmony, initiated by Charles, Prince of Wales in his book *Harmony*, 2010, is a source of inspiration and enthusiasm of GHA and all peacemakers of the world, awaking peace reason through imagination of harmony in Global Peace Science.

Leo Tolstoy: In the hands of war are billions of money, millions of obedient troops and in our hands is only one, but the mightiest tool in the world – the truth.

GHA comment: Of all the arsenals of humanity: culture, science, art, medicine, education, economy, politics, etc., the most powerful and fastest growing today is the war arsenal, consolidated by military

science, which are nursing all governments around the world with rabid military budgets, which now absorbs almost all the economic growth of humanity.

The peace arsenal is infinitely weak in comparison with it, first of all, because it is deprived of scientific expression of the peace truth as its mightiest tool. This truth is clearly expressed by Global Peace Science.

Martin L. King Jr.: We must shift the arms race into a peace race.

GHA comment: Global Peace Science reveals the truth that the main source of economic growth of humanity in the 21st century is global peace, not the exploitation of natural resources in military interests. When the governments of the world understand this truth in terms of economic stimulus, then they will come to a peace race, i.e. to emulation of the earliest transformations of military arsenals and military forces to the Peace Corps using military resources and expenses for the purposes of peaceful construction of roads, airports, housing, hospitals, educational institutions, sports facilities, etc. A peace race will overcome hunger, unemployment and other social pathologies and global problems. A peace race as such supersedes the economic and financial crises, resulting from the arms race and excessive military spending. A peace race based on Global Peace Science will ensure sustainable development of humanity, which is constantly being undermined by the arms race.

Martin L. King Jr.: Peace is not merely a distant goal that we seek, but a means by which we arrive at that goal.

GHA comment: To the militarist, having a false definition of peace (“if you want peace – prepare to war”), peace becomes a slave, a condition, a break between wars and preparations for war, Global Peace Science advocates true definition of peace: “If you want peace – create harmony on the basis of its science.” Peace can be reached only by peaceful path of global peace consciousness through global peace education in this science, and not a global preparation to war in an endless arms race.

Militaristic definition and thinking of peace is limited the military means to achieve peace, which provides, at best, a temporary reconciliation, maintaining an endless war path. We see this throughout history, up to the present day. World leaders and governments are competent in military ways of achieving peace but they are ignorant in peaceful/harmonious means to achieve it.

Nicholas Roerich: Peace culture must be in priority, not war culture.

GHA comment: Only Global Peace Science reveals all the diversity of peace benefits before the war and provides insight into the true culture of peace. The lack of this science in human culture is its biggest flaw so far. This science is the foundation for the Harmonious Culture of Peace, which is opposed to the militaristic culture of peace, absorbing and retaining its private positive moments.

Abdul Kalam:

The wise sage Confucius said,
"When there is beauty in the character,
There is harmony in the home"
The enlightened one, the Buddha added,
"When there is harmony in the home,
There is order in the nation,
When there is order in the nation
There is peace in the world"

GHA comment: Confucius and Buddha expressed the architecture of global peace and its main levels: individual – family – nation – humanity/world/Earth. Confucius and Buddha identified the root source of global peace – harmony of the human as a genus. But only through 2.5 thousand years of military history after Confucius and Buddha humanity has come to Science, which allows us to understand the architecture and source of global peace from harmony – not only geniuses but also to everyone. only this Science provides global peace consciousness and global peace from conscious harmony. only this Science will allow consciously establishing harmony in character and family. only this Science will allow mankind to consciously build a harmonious order in the nations and a harmonious global peace in the world on our Earth.

Despite the wise and undoubtedly true words of Confucius, Buddha, and other humanity's geniuses, the global peace has no appeared on the Earth over more than 2,500 years of endless war on it. It will come to the Earth only when Global Peace Science will be created as a property of all nations and every person on Earth. Therefore, this Science is the first common good of humanity and for each person in the 21st century.

Global Harmony Association, inspired by Dr. APJ Abdul Kalam, President of India, 2002–2007, the great contemporary scientist and poet in harmony, *the ABC of Harmony* coauthor, the GHA Honorary Member since 2005 and the GHA World Harmony Creator since 2011, realized the need for this Science and created the first book on this topic in world history in *the ABC of Harmony for World Peace ...* (2012) and in this book.

Ernesto Kahan: Ah, if men could understand that giving love they will achieve much more than giving hate!

GHA comment: Men can understand it through Global Peace Science, which unfolds the deep mystery of love as peace from harmony in all its bloom and dignity, eliminating hate as own defiling humiliation.

Others GHA comments: GHA creates Global Peace Science on the shoulders of world giants of human thought.

Global Peace Science is the consolidation of peace consciousness of humanity in contrast to military science, which is the consolidation of hostile consciousness in humanity.

If harmony is the ultimate guarantor and natural source of peace, Global Peace Science is the Science of Social Harmony, founded by Kant and which most fully represented in *the ABC of Harmony for Global Peace* (2012).

The famous American philosopher, the ABC coauthor, **Glenn Martin**, praised it as "*our new Planetary paradigm, the fundamental revolution in science and paradigm shift in human consciousness*" (p. 296).

GHA does not know other variants of Global Peace Science and other theoretical approaches to its creation but logically GHA supposes them opportunity and is ready both to compete with them in any international scientific contest for peace science, and to cooperation with them to complement each other in a mutual harmonious enriching.

GHA understands that all powerful militaristic forces will hamper to the progress of Global Peace Science, so this task will not be easy and fast one.

10. Mir (Peace). Prayer for Peace and Culture. *Nicholas Roerich*

Mir (Peace)

It is no coincidence that the Russian word *mir* means both "Universe" and "peacefulness" at the same time. It is for a reason that these two great concepts are united by one sounding. When you bethink of Universe you imagine peaceful labour. Having set about work you will be conscious of the Universe.

Peace is particularly talked about in the fear of threat of war. But war can be of different kinds – inward and outward, visible and invisible. And it's an open question which one is more dreadful...

"It is a true misery of both ancient and present mankind that its most prominent poet and wisest teacher Homer was a bard of war, not peace. He had lost his faith in peace together with faith in gods.

'There can be no covenants between men and lions, wolves and lambs can never be of one mind, but hate each other out and out an through. Therefore there can be no understanding between you and me, nor there any covenants between us, till one or other shall fall and glut grim Mars with his hfe's blood.'

That is what "everyone will be killing each other" and "there will be no end to war" mean. "Iliad", the Trojan war mark just the beginning of endless war – the war which has been lasting till today throughout centuries of the world history", – Merezhkovsky exclaims in his "Atlantida".

There are lots of heartrending moanings. Dante had also designated scorching spots for assassins and vituperators. If we examine all symbols and scrolls, in all metaphors and hieroglyphs we will see the same aspiration, an intimate and heartfelt prayer for peace [.....].

The Truth is "thou shalt not kill". The first step appropriate for everyone everywhere is no murder – no war. "Kill and you will die, give life and you will be alive yourself. It is clear to a baby, being the greatest mystery at the same time".

Is defense of culture needed? Everywhere and everytime it is. Should we help cultural workers who are oppressed and burdened? Everywhere and everytime we should. Should we unite around the sign of culture to overcome all the efforts to disseminate disintegration? Everywhere and everytime we should.

Or maybe culture, knowledge and beauty already been protected and affirmed enough? Maybe the principles of culture already been established everywhere? Or do cultural workers have law and people's sense as their stronghold? The League of Culture as a voice of public opinion is still emergently necessary!

We have to talk about peace and non killing. Why do we still have to? Hadn't the past millennia taught people the basic things which had been given as a commandment through all scriptures? But what do we see? The far it goes the more urgent is to claim the essence of peace. Where is the evolution when the menacing gun is combat-ready and deadly poison is being madly disseminated? To what extent people became sophisticated that poison is pouring down from the sky! From that very sky which used to give people vivifying prana.

What on earth is this? There are bombs and mines under the ground. Poison comes down from the sky. Muzzles of dreadful guns are on the alert. Here it comes the "celebration of gun" when its shot makes journey around the earth and reach anything which it can destroy.

"Nations have no idea which horrifying danger they are going to face in case of a new war", – Prof. André Meyer wrote in his report for League of Nations.

"Gases of the past war were just a toy, a children's play in front of what we will have in case of new war", – adds another expert Columbia university Professor V. Cannon.

According to the recent report of Dr. Hilton Jones made in New York the brand new gas can destroy the whole army just as easy as "quench a candle".

Truth! The inventor of poisonous gas thinks he is doing right thing. The steel worker is proud of his gun which would slay somebody beyond the horizon. The knife grinder is foretasting how the blade stubs skin and flesh... Human thoughts!

Not this kind of truth is needed. "People need another truth", – Gorky says. The truth which could boost the creative energy. Needed is the truth which awakens people's trust in their own will, sense and kind deeds.

Others make bulletproof armours. Do they hope to create a defense against all malicious attacks? May it be so.

Defense of culture, defense of motherland, defense of dignity do not suppose thoughts of violent invasion. Armour of defense is not poison of destruction. Justified is defense, condemned is invasion.

Isn't that amazing that in Russian both "peacefulness" and "Universe" are expressed by the same word "Mir"? It is not due to poorness of the language. The language is rich. But these two concepts are univalent in their essence. Universe and peaceful creation are indivisible. By all their symbols and hieroglyphs were the ancient people trying to make this beneficial and salvational tie clear.

Mir is the Universe and Mir is the global peaceful labour. Planting is creation; beauty of peace is the victress.

Prayer for Peace and Culture

Culture and Peace are the most sacred goal of humanity! In the days of great unrest, both material and spiritual, the disturbed spirit yearns for these radiant strongholds. But our union in the name of these regenerating conceptions should not be an abstract one. In accordance with our abilities, each one in his own field, should infuse them into the actual surrounding life, as most necessary and undeferrable.

In our Peace Pact, in 1929, we proposed a special Banner of Peace for the protection of all cultural treasures. A special Committee for promoting this Banner has been elected in New York. An International Union for the Roerich Pact has been established with its central seat in Bruges, where a world Congress for spreading the ideals of Peace through Culture was convened last September with most significant results, indicating how close this aim is to the hearts of all affirmative people of the entire world.

From Temples, shrines of spirit, from all light-imparting centers, should ceaselessly thunder the world-wide call, eliminating the very possibilities of wars, and creating, for the generations to come, new lofty traditions of veneration for the true cultural treasures. By untiringly unfurling everywhere the Banner of Peace, we thus destroy the very physical field of war. Let us also affirm the World-Day of Culture, when simultaneously in all churches, all schools and all educational institutions, the world will be reminded of the true treasures of humanity, of creative heroic enthusiasm, of improvement and enhancement of life. For this purpose, we have not only to safeguard our cultural heritage in which are expressed the highest achievements of humanity, with all available means, but we must consciously value these treasures, remembering that each contact with them in itself will ennoble the human spirit.

As we have already witnessed, wars cannot be stopped by interdiction, any more than malice or falsehood can be prohibited. But by striving undelay ably and patiently to the highest treasures of humanity, we may make these products of darkness altogether inadmissible, as the progeny of crass ignorance. The ennobled, expanded consciousness having contacted the Realm of Light, will naturally enter the path of peaceful constructiveness, discarding as shameful refuse all the disparagement of human dignity generated by ignorance.

Already the lists of endorsers of the Banner of Peace are long and glorious. Already the Banner has been consecrated during the conference in Bruges in the Basilica of the Holy Blood. Thereby we have given our sacred oath to introduce it everywhere with all possible measures. Those from all ends of the world who trusted us and have suffused the space with their heartiest wishes, will not look in vain for the Banner above all shrines of real treasures. Each day brings new letters, new response. The election urn has been filled with precious votes "For Peace." Verily Peace and Culture are at present urgently needed.

It is not so much a new law that is needed, but an imperative wish, a united panhuman desire to safeguard the achievements of mankind, which is so badly needed. Every endeavor, even the most evident, requires an active start. For Peace and Culture one does not even need a unanimous world-wide vote. The beautiful principles of General Good can be affirmed in every scale, still retaining their vital potentiality. Let us thus greet wholeheartedly all co-workers: "Without delay, proceed victoriously in your full capacities, along this glorious Path!"

Verily, the time is short-lose neither the day nor the hour! Kindle the flame of the heart to an indomitable enthusiasm. Under the Banner of Peace let us proceed towards the One Supreme Light, in powerful union as the World League of Culture! [55]

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Chapter 4

Traditional Peacemaking: Achievements, Subjectivism and Degeneracy. Global Peacemaking Criticism

This chapter continues the global history of peace, begun in the previous chapter but at the present level, since the late 19th century, i.e. covers a period of approximately 120 years to the present day. This is the most warlike and bloody period of human history, including two world wars and hundreds of local wars with the total number of victims about 200 million people. As in the previous chapter, we do not seek here for full coverage of peace events, trends and ideas but to a very brief analysis of the most outstanding achievements of the peace and degradation trends in traditional peacemaking. Recall again the GPS strategic attitude to the historical heritage of peacemaking: include and save in GPS all useful and worthy achievements as its own parts to strengthen, to use and give them a new peacemaking life within a revolution of social thinking and knowledge of peace in GPS.

1. Johan Galtung's Conflict Transformation Theory for Peaceful World:

Top and Ceiling of Traditional Peacemaking. *Bishmu Pathak*

The principal founder of the peace and conflict studies Johan Galtung was born in Oslo on October 24, 1930 at a medical doctors' family. Someone congratulated his parents saying, "Today a new doctor is born!" Johan indeed became a new kind of doctor, but not limiting himself to individual patients alone. He invented diagnosis, prognosis, and therapy for pathological societies as a whole. While Johan's father was taken into a Nazi's concentration camp, that incident became a turning point and determination towards the works for a peaceful world. Johan's quest for peace research was further strengthened while he asked librarian of Central Library in Sweden for books about peace research, but they had none. Thus, he decided to work on such a missing discipline 'research for peace' and devoted his entire life for peace and freedom.

Some of the major ideas put forwarded by world's eminent peace philosopher Johan Galtung are: Direct, Structural and Cultural Violence; Conflict Transformation by Peaceful Means (Transcend Method), Transcend Method in Conflict Mediation Across Levels, Mahatma Gandhi as the Master of Masters, Peace Journalism, and from a 20th Century of War to a 21st Century of Peace. Democracy for Peace and Development, Peace Studies and Conflict Resolution, the Six and Fifteen Contradictions of USSR and USA respectively, and Reconciliation are some of the other key parts of Galtung's findings. Galtung frequently refers the negative vs. positive peace and peace-conflict lifecycle and their structural, institutional, individual, procedural, and political levels of relations.

This paper is particularly drawn from the findings of Dietrich Fischer (a long standing and devoted friend and colleague of Johan Galtung) edited book on *Johan Galtung: Pioneer for Peace Research* in 2013. The paper highlights how the contributions of Johan Galtung has been able to change the institutional and individual attitudes, conviction systems, psychological understandings, and lifestyle of behaviors through applying transcend technique of conflict transformation. Being an honest learner of Galtungian peace theory, author tried to analyze it through different aspects of freedom: of associations, from want and fear, for experiment, to inherit peace, from violence, from contradiction, of criticism, and of mediation (also see Galtung: September 1967). These aspects of freedom cover the peaceful world in a whole in author's understanding and Galtung's meaning.

Freedom of Association. Galtung founded the TRANSCEND non-profit and apolitical network for Peace, Development and the Environment in 1993 and world's first online TRANSCEND Peace University (TPU) in 2000. TRANSCEND has now over 500 members in

more than 70 countries around the world. TRANSCEND has already established Media Service, University Press, Peace Service, and Research Institute. The TRANSCEND has 14 regions with 26 conveners. The region includes Latin America, North America, Euro Latina, Europe Deutsch, Europe Nordic, Eastern Europe, CIS-Commonwealth Independent States including Russia, Africa, Arab World, Middle East, Southeast Asia, East Asia, Pacific Oceania and the South Asia. The Peace and Conflict Studies Center (PCS Center), Kathmandu Nepal or author himself is one of the conveners in South Asia. TRANSCEND denotes going beyond or overcoming conflicts or contradictions through mediation, education, journalism, (action) research, and publication.

Galtung has been received more than one dozen honorary doctorates and an alternative Nobel Prize: Right Livelihood Award in 1987 including many other peace awards because of his tireless and dedicated efforts. The Galtung Institute (GI) is established in Grenzach, Germany, bordering on Basel, Switzerland in 2011 for further materialize peace theory and its practice. Galtung truly advocates freedom of association as a tool of a person's own choosing to join or leave in group for the collective action to fulfill both individual and collection rights on the course of attain, maintain, study and restore peace.

Freedom from Want and Fear. In early 1969, while Galtung was working at the Center for Gandhian Studies in Varanasi, India, he observed homeless people sleeping in the street, children suffering from hunger, and sick waiting to die. The deficiency of basic needs as basic rights and fundamental freedom from fear struck their mind no less than violent crime or war. The situation was a slow death from hunger and preventable and curable diseases. It happened in the lack of freedom and liberal democracy to assist people's lives. If per capita income or state resources had been equally distributed among the people across all states in India, 14 millions lives could have been saved during famine in 1965. Galtung observed that a total of 140,000 died in international and civil wars during the same year. In this case, his understanding was that synonym of structural violence is famine and hunger which is at least one hundred times greater than direct violence. However, little humanitarian assistance from killings economy (cost) could save those children and people from hunger, and other preventable or curable diseases.

Galtung on the freedom from want said "neither in the life of the individuals nor in the life of the nations should major, primary needs remain unsatisfied or unsatisfiable. Thus, we mainly refer to such needs as hunger, thirst, shelter, sex, basic security". On Freedom from Fear, Galtung states, "a state of affairs such that individuals, and nations, predict with relatively high probability a major negative event in the future, an event with relatively high negative utility, and this expectation dominates their life and existence – whether they live in the shadow of floods, earth-quakes, hunger, war (internal or external) or other calamities" (Galtung: September 1967: 15).

Freedom from want ensures human security eradicating hunger, achieving universal primary education, promoting gender justice and equality, empowering women, reducing child mortality, improving maternal health, and other preventable and curable diseases (Pathak: September 2013: 170). Freedom from want leads second generation of human rights of economic, social and cultural rights unlike civil and political rights stated in the freedom from fear which is also known as first generation of human rights. Both are fundamental human rights instruments which are developed obligatory human rights mechanism in terms of compliance by the State. The compliance of human rights promotes and maintains international peace and security in this universe.

Freedom for Experiment. Peace experimentalist Galtung has contributed innovative research and insights to many areas of intellectual inquiry publishing 165 books and over 1600 book chapters and articles in scholarly and popular journals during 1953 to 2014. The books and papers cover direct, structural and cultural violence; theories of conflict, peace, development, and civilization; peaceful conflict transformation; mediation; peace education; reconciliation; development strategies; international relations; deep culture and deep structure; non-offensive defense; federalism; globalization; human rights; peace and religions; social science

methodology; a life-sustaining economy; macro-history and negative and positive peace. Forty of his books have been translated into 34 languages, for a total of 134 book translations. He has been so far the most quoted author in the field of peace studies. His recent publication *The Fall of the US Empire and Then What?* (US empire will decline and fall by 2020) has created a huge public and intellectual debates internationally, particularly in USA and its satellite ruling countries and territories.

While Galtung was sent to jail for six months as a conscientious objector, he first wrote a book on *Gandhi's Political Ethics* in 1955 under the mentorship of Arne Naess, a deep ecologist. He considers Mahatma Gandhi as master of masters for peace and freedom. Galtung experimented several trademark concepts such as attitude, behavior, and contradiction (ABC) triangle; the classification of peace strategies into peacekeeping, peacemaking and peacebuilding; and direct, structural and cultural violence which have been widely used as academic course in International Relations, Peace Studies, and Development Studies, and have become official UN language. Several hundred thousand students have already benefited from the short-term and long-term peace studies throughout the world in which over 500 peace programs are running at colleges and universities in the USA alone.

Galtung's peace experiment is an innovative and scientific act or procedure that demonstrates the known truth that social cohesion and harmony are maintained by law and order. Galtung examines the validity of this hypothesis to avoid organized violence through collective cooperation and integration between human beings. Now, the peace experiment is variably succeeded to apply in all family, community, institutional and national levels across the world.

Freedom to Inherit Peace. The peace treaty held between Peru and Ecuador at Rio de Janeiro in 1942 over the border of Andes Mountains. The border should run along the watershed in the upper Amazon basin, but watershed changed the original course because of rainfall and glacier shifted. Ecuador and Peru have fought three wars over 500 square km territory during 1942 to 1998. At a Peace Conference in Guatemala in 1995, Johan Galtung was invited to meet with Ecuador's chief negotiator (with Peru), a former President. Galtung patiently listened to him where negotiator claims each square meter of territory must belong to one and only one country. Galtung asked what he thought of the idea of making the disputed border territory into a jointly administered 'bi-national zone with a natural park' that attracts tourists to bring additional income to both countries. Former President agreed and said that in 30 years of negotiations, he had never heard such a good proposal. He proposed it to Peru at the next round of negotiations, and Peru surprisingly accepted it with some minor modifications. Both finally signed the Peace treaty in Brasilia on October 27th 1998. This zone has since been implemented as free trade zone where countries can exchange goods duty-free. That initiative was completed at cost only US \$125 that was including a ticket from Bogota and \$100 for one night at the hotel and a dinner. Fischer writes, "By comparison, the 1991 Gulf War to expel Iraq from Kuwait cost \$100 billion, not counting the destruction it caused. The best of all, if peaceful conflict transformation begins before violence it can save many lives" (2013: 14-15).

This is just an example of how cheap the peace agreement is. If world's authorities are ready to inherit peace across the continent, they should feel comfortable to stop manufacturing, supplying, trading, and selling arms and ammunition. Galtung's freedom to inherit peace strives for individual and institutional efficacy on the course to implement rights, duties and obligations for the benefit of human societies. According to him, there are no definite rules of implementation of the peace inheritance between societies, but they can be changed peacefully in accordance with the needs of people.

Freedom from Structural Violence. Galtung says that violence tramples the basic human needs, rights, and fundamental freedoms (Galtung: September 2007). Structural violence causes direct violence and direct violence reinforces structural violence which are interdependent of one

another (Galtung: undated: <http://them.polylog.org/5/fgj-en.htm>). The Galtung Institute states that structural violence is physical, emotional, verbal, institutional or spiritual behavior. Galtung stresses that structural violence is a cause of premature death and avoidable disability that effects people in various social structures closely linking with social injustice. There is a relation between direct, structural and cultural violence as a violence triangle (Galtung: August 1990).

Human rights violations lead the extrajudicial and arbitrary execution; custodial death; torture including rape and other cruel, inhumane or degrading treatment or punishment; arbitrary arrest and detention; enforced and involuntary disappearance and kidnapping; reduction to slavery etc. The violence terminology includes discrimination, intolerance, exploitation, oppression, suppression, and extortion with violence (Pathak: 2005: 27). Galtung connects structural violence with the political domination of one social group over others: elitism, ethnocentrism, racism, and also with class, gender, or age-related suppression and etc., where a regime restricts individuals from realizing their full potential. Besides, the violence refers to latent or manifest, intended or unintended, physical or psychological suppressions of humans' feelings. There has been a cross-cutting and interdependent relation between structural and direct violence that includes family to racial violence, crime, terrorism, genocide, and war.

Galtung mentions that the cultural violence assembles direct and structural violence with legitimized and internalized one. Galtung focuses for triangular direct-structural-cultural violence that contrasts human mind. Facilitation, mediation, and negotiation attain cultural peace and these initiatives produce structural peace with symbiotic relations among diverse partners through the acts of cooperation, friendliness, and love (Fischer: 2013:47). Galtung severely criticized structural violence led by US and Western countries. Violence lowers the people's needs and freedom of their satisfaction. It leaves deep wounds and traumas in society which is difficult to heal. Violence can start from any corner in its triangle.

The freedom from structural violence definitely assists to restore and maintain peace. It promotes positive peace to move a society toward a fair justice transforming the conflict by peaceful means. Freedom from structural violence enhances dialogue and discussion discourse for peace to oust physical to emotional violence in individual, family, societal, institutional and state-levels. Freedom from structural violence preserves peace and tranquility advocating freedom from exploitation, repression and separation (Galtung: 2013:117).

Freedom from Contradiction. Galtung states that conflict is initiated through attitudes, physical behavior, and contradictory goals of enemies. Galtung in 1980 predicted that there shall be end of the Soviet Empire within ten years beginning with the fall of the Berlin Wall. He studied the decline and fall of the Roman Empire preliminarily. Galtung developed six contradictions applied to the Soviet Empire: the working class wanting trade unions, the bourgeoisie wanting something to buy, the intellectuals wanting more freedom of expression and impression, minorities in search of autonomy, and the peasants wanting more freedom of movement (Fischer: 2013: 139). The former Soviet broke down on November 9th, 1989 almost two months before of Galtung's time limit 1990. His prediction to financial crises and recessions in 2008 was exactly happened in early 21th century.

The decline and fall prediction of US Empire was developed by Galtung based on the synergy of 15 interlinked contradictions, and the way to decline and fall was estimated at 20 years from 2000 (Fischer: 2013). The US Empire is being more complex and more sophisticated. The economic, military, political, social, and cultural dimensions cover all 15-point contradictions. Among contradictions, three belong to overproduction relative to demand; unemployment and global warming. Second, the military contradictions are based on US-NATO as led military allies. Third, political contradictions describe the role between USA and the UN and between USA and the EU. Fourth, the cultural contradictions focus between US Judeo-Christianity and Islam; between US and the oldest civilizations i.e. Chinese, Indian, Egyptian,

Mexican, etc., and between US and European elite culture: France and Germany. The last is the social contradictions that tend US-led world elites vs. the rest: World Economic Forum, World Social Forum, middle class, etc. These are contradictions between the US myth and reality.

Galtung loves the American republic, but hates the American empire, similar to the Soviet empire. It will be remarkable if the honest and conscious Americans who are outside of the state power, politics, and large property would thank him for his courageous analysis. But US government strives to suppress many countries, individuals, and institutions, branding them enemy in the name of the peace, justice and human rights.

Freedom of Criticism. Some of Galtung's statements have drawn criticism. For example, Bruce Bawer says, "Galtung is in fact a lifelong enemy of freedom" (2007). Bawer strongly refuted Galtung's judgment "structural fascism to West and killer country and neo-fascist state terrorism to America" (2007). Even though, Galtung called criminal political violence to September 11 attack at twin tower in US. Besides, America is both a republic and an empire country according to Galtung (Ergas: April 24th 2006). His thesis is that American empire will 'decline and fall' in seven years (2020) from now, Barbara Kay, a columnist in the *National Post* criticized over the opinion "structural fascism of rich, Western, Christian democracies" and "admires Fidel Castro and Mao Zedong" of Galtung. Kay also criticized Galtung's proclamation to Hungarian resistance against the soviet invasion in 1956. The *Jerusalem Post* on September 8th, 2012 stated that Swiss World Peace Academy suspended Johan Galtung because of his allegedly anti-Semitic comments. However, Galtung through TRANSCEND International's statement refuted the allegations (May 2nd 2012). Whatever the criticism Galtung received, he takes them easy and constructively and often says, it happens because of level of understanding, culture of society, attitude, behavior, and contextual factors.

Freedom of Mediation. Galtung has not only developed peace, conflict and mediation theories, but also put them into practice similar to medical doctor utilize his/her efforts of diagnosis, prognosis and therapy to patients. Rather than following traditional and unsatisfactory ways of conflict resolution of two parties handled such as A wins, B loses and vice versa; Galtung follows the method respecting realities and human basic needs such as survival, well-being, freedom, and identity.

For this, Galtung has developed the TRANSCEND Method (conflict theory and practice, violence theory and practice, peace transformation, dialogue, and negotiation) to transform the conflict by peaceful means constituting a three-step approach, generally called TRANSCEND or Galtungian method.

- **Confidence Building:** The mediator should first understand the conflicting parties' goals, fears, and concerns involving directly or indirectly on the course to win their confidence.
- **Reciprocity Relations:** The mediator should grant time to distinguish between legitimate and illegitimate goals and human needs of both parties. Self-determination of the mediator shall play a pivotal role to improve the reciprocity relations with them.
- **Identification of Gap:** The mediator should try to bridge the gap between all legitimate but seemingly contradictory goals of parties through mutually acceptable, desirable solutions for sustainable future that embodies creativity, empathy and nonviolence, building a new reality.

More important is that the TRANSCEND method shall focus not merely on identifying who is guilty and punish them unlike the traditional legal process, but to create an attractive new conducive reality and creativity acceptable to all involved in the conflict. This shall be applicable at all family, community, and institutional levels within them and beyond.

Galtung has already mediated in over 100 international conflicts, sometimes successfully in perspective of their peace transformation. Some of the important mediations are: East-West Cold

War I, Cuba, Norway-Poland, Chile-Peru-Bolivia, Cyprus, Israel-Palestine, Israel-Palestine-Middle East, Zimbabwe, Korea, Malvinas-Falklands, Pax Pacific, Gulf, Kurds, Japan-Russia-Ainu, Japan-USA-Ryukyu, Somalia, Yugoslavia 1991–1998, Kosovo, Sri-Lanka, Hawaii, Ecuador-Peru, Mayas, Argentina, Tripartite Europe, Six Chinas, Ulster, Caucasus, East-West Cold War II, Okinawa, Hostage Crises in Peru, Rwanda-Great Lakes, Albania, Lebanon, Kashmir, Colombia, Christian-Pagan Relations, Angola Civil War, the USA-West and the Rest, USA-UK vs. Iraq, Nepal, Indonesia vs. Timor Leste, European Union (Peace and Democracy), Pattani-Aceh/Bangkok-Jakarta, USA-UK/Arabia, USA-UK/Iran, Myanmar, Japan-China-Korea, Germany/Herero, West-Muslim, Turkey-Armenia and Cambodia (Galtung: 2008).

While he worked at Columbia University in 1958, he mediated his first conflict, over desegregation in the school system in the USA southern states. His Transcending technique assisted to prevent further intra-and-inter-state wars and saved many lives. Galtung shared his technique wherever and whoever is sought either by Presidents or Prime Ministers. He never thought what they like to hear, nor the opposite, but inspired them by redirecting positive approaches and proposals they do not hear elsewhere without criticizing what they did wrong.

Freedom to Construct Peace Theory. Johan Galtung identifies 35 theories of peace comprising world with interpersonal harmony, heterogeneous nation, cultural-structural dissimilar and similar nations, minimum and maximum interdependence, polarized, depolarized and mixed nations, class division, power balance and monopoly, arms control and disarmament, negative and positive non-violence, treaty and convention, negative and positive sanctions, NGO and IGO, supranational peace thinking, and superstate and state (Galtung: 1967: 67–185). Peace theory leads both associative and dissociative narrations. Johan Galtung writes, "...for any one theory there is almost no limit to how deeply one can penetrate... one can pursue conditions and consequences in all directions" (1967: 67). Both dissociative and associative pairs of peace theory usually select and start with a typology following research method, analysis, theory and its validation and factual and potential peace thinking (Galtung: 1967: 67–68). The effort to explore the use of entropy and energy overrides the approach to theories of peace.

Galtung in his recently published book on *A Theory of Peace: Building Direct, Structural and Cultural Peace* (2013) stated that there is no eternal peace and there will never be, stated under the grand peace theory (2013:16). In his theory of peace, he defines peace as a relation between two or more parties and the parties are inside or between persons, groups, states or nations and regions or civilizations. And the relation defies into negative and disharmonious, indifferent and positive and harmonious dimensions. The relation further focuses toward the negative peace which is the absence of violence, like a cease-fire, like keeping them apart, no more negative, but indifferent relations and positive peace relies on the presence of harmony, intended or not (2013: 18–19). Relation characterizes into structural peace which initiates along with equity, reciprocity and integration. Peace intends to fulfill the suffering from *sukkha* and *dukha* which uses as a generic term for negative and positive goals (2013: 21).

Johan Galtung compares the peace with human security, "human" as positive connotation and "security" as negative connotation (2013: 36). The major road to peace is conflict transformation where conflict uproots along with goals in contradiction and conflict triangle – attitude, behavior and contradiction. The conflict transformation restores peace attaining empathy, nonviolence and creativity (Galtung: 2013: 50). Transformation changes the attitude and behavior applying creativity to contradictions at all levels of conflict including global, social and inter-and-intra personal ranging from mega to macro, meso, and micro (Galtung: 2000: 3). Peace transformation also presupposes a peaceful context as provided by peace education/journalism, the continuation of the work after violence, and readiness to reopen peace agreements (Fischer; August 2013: 50). Peace dwells in social formations based on positive sanctions, violence in formations based on negative sanctions; and violence deprives people of

basic needs due to elite politics (Galtung: 2013: 69). Peace politics is about the promotion of creativity and reduction of violence (Galtung: 2013: 65).

Focusing on Gandhian nonviolence philosophy, Galtung developed three basic types of peace interrelating typology of castes and sanctions. First, Bahun-peace focuses less on obedience and fear and more on cooperation and compassion with all forms of life; second Chhetri-peace gives attention on nonviolent forms of control where the sanctions would be very soft; and third, Baisya-peace attains less on competition and more on basic needs in producing and distributing goods and services. Peace satisfies all of them. War is mainly waged on people. And peace is defense of people (Galtung: 2013: 69). Peace as a threat to the warrior, a promise to the rest (2013:96). A more pragmatic and dynamic conceptualization of peace is to transform the conflict creatively and nonviolently. Peace is a context (inner and outer) for a constructive way of handling conflict while human condition serving as a Creator and as a Destroyer. The humane becomes creator, preserver and destroyer of society due their understanding on culture of peace. Galtung often uses to say, "Tell me how you behave in conflict and I'll tell you how much peace culture you have" (2013:127).

Conclusion. Galtung beautifully presents both peace transformation and conflict transformation in theory and applies practically over 100 mediations in 60 years of his contributions in the world peace. The conflict transformation, in principle, happens at all levels of conflict: global, regional, national, social, inter- and intra-personal. The peace transformation also presumes a peaceful context as provided by peace education, peace journalism, and human security studies that achieve through the works during and after violence in different dialogues for peaceful solutions. The transformation, in general, changes attitude, behavior, and contradictions creatively. Galtung's some writings and suggestions for conflict transformation by peaceful means and peace research are not easy to understand and act them because of the depth of knowledge of peace transformation, its philosophy, multidimensionality and variability.

For Galtung very important is the Conflict Life-cycle. He divides the Conflict Life-cycle into three phases: before violence, during violence and after violence following attitude (hatred), behavior (violence) and contradiction (problem). He wants to say that there is a definite Peace Life-cycle and Conflict Life-cycle (Galtung: 2008:1).

However, Galtung did not analyze the Peace-Conflict Life-cycle together with the Conflict Life-cycle in one dimension of pyramid. Conflict occurs in the emotional human mind and reaches a violent climax after passing up through several stages: discussion, appearance of conflict, escalation, segregation, outbreak of violence, and destruction. From the violent climax, the conflict steps down towards peace through other stages: ... (see Pyramid I at Pathak: http://www.gandhipacefoundation.org/gandhi1002/pdf/Chapter-10_16.09.2013.pdf). This author absolutely agrees with Galtung what he states: "a conflict and a peace have its own life-cycle, almost something like organic" and similar to a pyramid.

Over 6 decades, he introduced peace studies as an academic domain at various universities all over the world. He has presently holds several positions in international arena including the advisory councilor post of the Committee for a Democratic United Nations. He devotes his life to peaceful freedom, which increases global interdependence and diversity in ethnic, gender, cultural, religious and other communities. Thus, Galtung is right that the constraints of peaceful freedom are challenges to peace and harmony everywhere.

Galtung's theory of peaceful conflict transformation is one of the highest and most significant achievements of traditional peacemaking, we can say – its top and ceiling. Therefore, it is a worthy part of Global Peace Science, which integrates this theory in itself and enhances its by a new theoretical foundation – a global harmonious structure of SPHERONS ensuring global peace at all levels. It turns Galtung's theory from intuitive and subjective art to objective scientific method, keeping it as a subjective art. Galtung's peace and freedom are required for

everyone; no matter who you are, where you live, what is your gender, ethnicity and profession, and whom you choose or love.

(Edited by Prof. Dietrich Fischer, August 14, 2014 and supported by Prof. Johan Galtung)

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2. Johan Galtung's Peacemaking Genius Theory: The US Empire Fall and Liberation of a Way towards Global Peace in the XXI Century. *Leo Semashko*

Dedication

To a country I love, the United States of America: You will swim so much better without that imperial albatross around your neck. Drown it before it drowns you, and let a thousand flowers blossom!*

Johan Galtung, 2009

Leo Semashko, 2014

GHA, 2014

* A dead albatross around the neck is a symbol of the doomed killer in Samuel T. Coleridge's poem – English poet and philosopher (1772–1834). Albatross is a symbol of friendship and peace has become a symbol of guilt, shame and doom of his murderer.

The sooner humanity will help to fall the American empire, the better will be to the USA people and whole of humanity, before which will be freed The path to global peace.

GHA

The eminent peacemaker of the century, Prof. Johan Galtung predicted in 1980 the fall of the USSR in 1990, was mistaken for two months [24; 26]. In 2000, he predicted the fall of the USA militarist empire on 2020 and created the corresponding theory, confirmed by the set of facts [25; 26]. The great meaning of his theoretical prediction is not only to the good of the American people that he expressed brilliantly in his dedication to the corresponding book [26], but also for the fate of global peace, which is impossible and absolutely excluded without falling global military dictator who constantly solves all the issues in own interests through violence participating in all armed conflicts throughout the world. This empire teaches humanity and all its countries and peoples only a military solution to all problems and conflicts but does not teach and do not want to teach them peace and peaceful solution. Therefore global imperialism excludes GPS (Global Peace Science) and will resist and fight with it in all ways. **Galtung is absolutely right in saying that as long as there is a militaristic empire of the United States, global peace cannot be on the Earth. This is the main obstacle to universal peace in the world today.**

Global peace is incompatible with the global militarism as a violent solution of international problems. Galtung's theory proves that peace does not need for the American empire, it needs only war. He does not find in the USA history one example of peace or peace initiative on good

will. **American empire is unlimited freedom for violence and war but the constant suppression of freedom of peace and human right on peace.** He is convinced: only the USA empire fall will opens the freedom for global peace in the 21st century and the human right to peace. Global peace cannot be in harmony with the global militarism, which is the deepest challenge of modern humanity. All other global problems of mankind can be solved peacefully only after the exclusion of global militarism. This profound social and historical significance of the USA empire fall was comprehended intuitively and expressed rationally in special theory by the great peace researcher Johan Galtung, in what manifested his unbeaten peacemaking genius of our time. This conclusion is confirmed by the analysis of his book.

The subject of his book and his theory [27] is simple but historically large: "This book explores a global phenomenon now taking place for the eyes of the world: The Fall of the US Empire" [28]. Galtung ingeniously solves the question of the relation of his theory to the United States. Galtung's genius combined the dialectic of opposites, ethics and harmony. He writes: "Hand on heart: **I love the US Republic where I have lived much of my life, as much as I hate the US Empire for its violence of all kinds in so many places around the world.** The book is as pro-American as it is anti-US Empire" [26, 3]. The author of this article, the GPS coauthors as GHA for the most part, share this wise and harmonious, i.e. scientifically balanced and adequate position, which we adhere to throughout the GPS book in whole. The unity of love and hate in this case is appropriate, ethical and harmonious.

Under the fall of the empire he understands its natural death due to aggravation of internal contradictions / disharmonies in all social spheres, as it was with the Roman and all other empires. "All empires fall" – it is his objective historical law expressing their crushing contradiction with the harmony of the eternal spheres and SPHERONS of society. He analyzes the US imperialism in five dimensions, "economic-military-political-cultural and social" [26, 7], which coincide with the four spheres of SOCIONOME in GPS (see the first chapter). But Galtung divides Orgsphere into two spheres: political and military, that justified in this scientific analysis [26, 8].

He likens the empire to octopus but not with 8 and 4 legs-tentacles or forces, through which he sucks and eats: the economic benefits – hyper-capitalism, political repressions – hegemony, military interventions – militarism and cultural exceptionalism – exceptionalism. This monster he calls 'tetrapus'. Imperialism is the sum of all four of these parasitic functions or powers, which are embodied in the relevant imperial groups: the imperialists, the ruling elite, the militarists and the programmers/ideologists of Empire [26, 8–9] or in other words: "the exploiters/killers/controllers/programmers" [26, 18]. In GPS these groups are summarized in the concept of disharmonious PARTONS (see chap. 1).

"When did the US Empire peak? Or, when did it start, for that matter? In the prologue the arrivals of the settlers in Virginia in 1607 and in Massachusetts in 1620 are hinted at, with maybe ten million indigenous, and hundred of indigenous cultures, killed..." The peak of American empire accounts for 1945 – the final year of the Second World War and the fall of the Nazi empires [26, 10].

Summarizing, Galtung gives the following definition of empire USA: "An empire is a trans-border, culturally legitimized, Center-Periphery structure of unequal exchange:

- economically**, between exploiters and exploited, causing misery;
- militarily**, between killers and killed, causing death-suffering;
- politically**, between controllers and controlled, causing repression;
- culturally**, between programmers and programmed, causing alienation;
- insulting basic human needs for wellness-survival-freedom-identity.

The US Empire ranks high on all four. Says a Pentagon planner:

*"The de facto role of the US Armed Forces will be to keep the world safe for our economy and open to our cultural assault. To those ends, **we will do a fair amount of killing**".* In other words:

Direct violence to protect economic and political structural violence, legitimized by cultural violence... The Center is continental USA, and the Periphery much of the world" [26, 18].

Galtung writes further: "The question is not whether the empire will fall, but the **what-why-how-when-where-by whom-against whom** of that process. Like:

what: the four non-sustainable, unequal exchange patterns above;

why: they cause unbearable suffering, resentment, resistance;

how: through the synergies in the synchronic maturation of numerous contradictions, followed by the demoralization of imperial elites;

when: prediction: within 20 years, counting from Year 2000;

where: depending on the maturation level of the contradictions; empires, like other organisms empires crack at their weakest points;

by whom: the demoralized imperialists, the suffering victims, the solidary, and by those who fight the US Empire to set up their own;

against whom: the exploiters/killers/controllers/programmers, and others who support the US Empire because of perceived benefits" [26, 18–19].

"Imperialism gives, as mentioned, the imperial Center a comprehensive fourfold grip on the Periphery. But there are also incomplete configurations that do not involve all four types of power, and for those other terms should be used. Thus, with only

- economic power, we have a case of international capitalism,
- military power, we have a case of international militarism,
- political power, we have a case of international hegemonism,
- cultural power, we have a case of international missionarism.

Fully fledged imperialism is a synergistic syndrome with the four aspects supporting each other" [26, 21].

"The US Empire is gone when the USA stops exploiting, killing, controlling and programming others and turns to,

economically, equitable trade with equal and mutual benefits for all;

militarily, defensive defense and peacekeeping-not killing all over;

politically, negotiation between equals-not hegemonism all over;

culturally, dialogue between equals, not assuming monopoly on truth; promoting basic human needs for wellness-survival-freedom-identity" [26, 25].

"The decline and fall prediction for the Soviet Empire was based on the synergy of six synchronizing contradictions, and the time span for the, literally speaking, crack, in the wall, was 10 years. The decline and fall prediction for the US Empire was based on the synergy of 15 synchronizing contradictions, and the time span for the contradictions to synchronize and synergize, working their way to decline and fall was estimated at 25 years in 2000. The US Empire being more complex there are more contradictions, and the US Empire being more sophisticated and solidly built the time span is longer. After the first months of President George W. Bush (twice selected) the time span was cut to 20 years because he quickly sharpened many of the contradictions posited the year before" [26, 33].

Galtung lists 15 contradictions of the USA in the year 2000 within of their allocated four dimensions with the addition of a fifth, social: "Here is the list of 15 contradictions, as posited in 2000:

I. Economic Contradictions (US led system WB/IMF/WTO NYSE Pentagon);

II. Military Contradictions (US led system NATO/TAP/USA-Japan AMPO);

III. Political Contradictions (US exceptionalism under God);

IV. Cultural Contradictions (US triumphant plebeian culture);

V. Social Contradictions (US led world elites vs the rest: World Economic Forum, Davos vs World Social Forum, Porto Alegre, Belem)" [26, 34–35]. These five fundamental dimensions of Galtung are 4 spheres of SOCIONOME in GPS, which makes it an adequate to GPS theory. He

emphasizes that all the contradictions work together and at the same time, therefore he rejects any monistic theory, defining only one cause of decline and fall of the American empire.

Galtung further illustrates in the facts and statistics exacerbation / aggravation / development of each of the 15 contradictions / disharmonies in the five clusters / dimensions or spheres of SOCIONOME in terminology of GPS. He begins with the escalation of the military contradictions.

“Grossman made a list based on Congressional Records and The Library of Congress Congressional Research Service, with 133 American military interventions during 111 years, from 1890–2001. ... The average number of interventions per year increased from 1.15 before to 1.29 after the Second World War, and after the Cold War ended late 1989 to 2.0, compatible with the hypothesis that wars increase as empires grow. ... William Blum has 300 pages of solid documentation in his *Rogue State: A Guide to the World's Only Superpower* ; maybe with 13–17 million killed in overt action. Most of this "fair amount of killing" --using overt (Pentagon) and covert (CIA) violence--with open and covert support from US allies--is in line with the pattern of using the US army "to keep the world safe for our economy". Interventions are not against dictators but against those who try to distribute: not against Jiménez in Venezuela but Chávez, not against Somoza in Nicaragua but the Sandinistas, not against Batista in Cuba but Castro, not against Pinochet in Chile but Allende, not against Guatemala dictators but Arbenz, not against the shah in Iran but Mossadegh , etc.

... Blum's list of interventions up to 2000 covers 67 cases since 1945 (Grossman has 56, the criteria differ somewhat)... There was bombing in 25 cases (for details, read the book): ... US assassination of foreign leaders, also heads of state, was attempted in 35 countries, assistance with torture in 11: US intervention in, and prevention of, elections in 23 countries:67 interventions + 25 bombings + 35 attempted assassinations + 11 countries assisted with torture + 23 interferences with elections abroad give us 161 forms of aggravated political violence since the Second World War only, up to 2001. A historical record” [26, 35–37]. Plus the growth of US state terrorism [26, 46].

The USA militaristic world leadership is supplemented by more than 800 military bases (in all other countries, their number is not more than 50), the largest military budget in excess of the military budgets of all other countries, the total surveillance for all in the world even for allies (Snowden), the largest number of military spy satellites, the most powerful fifth column, funded by the USA in almost every country of the world, the first nuclear crime against humanity – the atomic bombings of Hiroshima and Nagasaki, etc. The US empire propensity to fascism, about that Galtung writes [26, 146–149] confirms by their support of Ukrainian Nazis and their forcible seizure of power in February 2014.

The inevitable slide of the USA to fascism, to which leads the development of their contradictions, Galtung expresses as follows: “**The Case for US Fascism**. The basic element in fascism is massive killing by the state, for economic, political and cultural purposes. This means wars; violent encounters between military-uniformed forces for winning, showing prowess, and state terrorism, massive military killing of civilians, like of Germans and Japanese doing the Second world war. The USA has been engaged in this kind of killing through numerous interventions (243) from the early 1800s, with a more global range than any other actor in history... **The USA sees war as a one-way street** and becomes genuinely surprised, offended at counterattacks by nonmilitary-not uniformed actors, insurgents: guerilla against US military and-or terrorism against US civilians. The USA uses direct violence, including late participation in world wars, to build economic and political structural violence. And behind that is the third corner of the triangle, the cultural violence serving to legitimize the other two... **The fascist force, defined by Eisenhower, is MIC, the military-industrial complex**, already alluded to. He could have added to Pentagon some other parts of the bureaucracy, like the Department of Energy and its

nuclear program; and to industry the finance economy speculating in wars mobilizing capital” [26, 146–151] (emphasis added – L.S.).

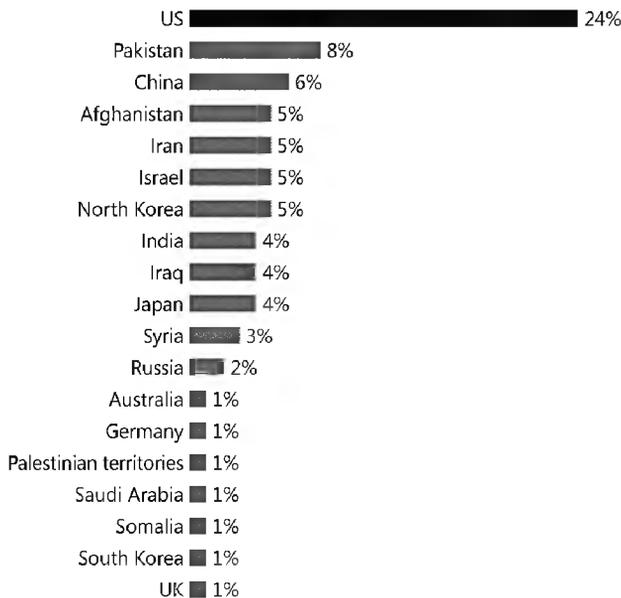
We will not consider the Galtung’s analysis of other contradictions of the American empire in his theory of its fall [26, 37–68]. All these contradictions, which we call in GPS disharmonies, grow and become aggravated in all four spheres of the USA that gives Galtung the right to make an fundamental scientific conclusion on the gradual decline of the American empire, which inevitably leads to its downfall if not in 2020 than in coming to it years. The more powerful empire becomes, the faster it intensified the contradictions, the more its internal disruption and the closer its collapse. It is the law, which was established Galtung on a comparative analysis of 10 empires, beginning with the Roman [26, 167–221, and other works of Galtung].

Galtung’s theoretical ideas of the decline and fall of the American empire, his articles, books, interviews, videos in the Internet and other media on this subject, caused wide publicity and discussion in a wide variety of audiences. They found many prominent followers and new proofs of this inescapable objective tendency at many authors: William Blum [35, 36, 37; 38], Terrence Paupp [31], Immanuel Wallerstein, whose work on this topic was analyzed by me in 2002 [29; 30], Wally Myers [27], Kirk Smith [28], Albert Stahel in his article with the characteristic title: “The United States – in a Permanent State of War” [32], Mairea Maguire [33], Amy Chua [39], Dietrich Fischer [40], and many others [41–48]. It is a modern anti-imperial "mole of history", using the Shakespeare’s expression.

Every similar work – it is a stage in the **nonviolent** ideological/cultural/spiritual decline and fall of the American empire. At the same time, it is a step in the direction towards global peace, its science (GPS), its freedom and the right of everyone to world peace, which the global empire has deprived all of us. If its military expenditures would be directed to the building global peace, then it would have triumphed on the Earth!

The logical necessary conclusion of world public opinion from the countless facts of the US escalating imperial militarism is the one that the USA now is "the greatest threat to global peace" [34]. This conclusion is based on a survey of 67,806 respondents from 65 countries at the end of 2013:

Q: Which country do you think is the greatest threat to peace in the world today?



Source: WIN/Gallup International

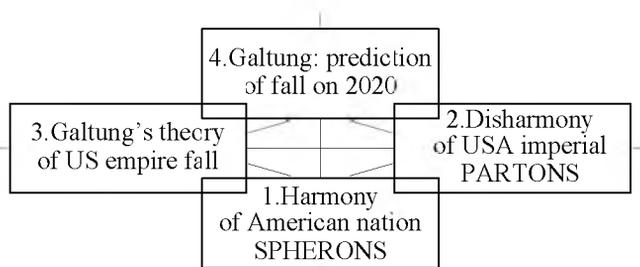
The survey showed that the United States is the most dangerous country in the world. USA is more dangerous than China 4 times, Israel – 5 times, North Korea – 5 times, Syria – 8 times, Russia – 12 times, Palestine, Germany, Britain, etc. – 24 times!!! This is another strong confirmation of the Galtung's hypothesis of the imminent decline and fall of the USA empire through sharpening of contradictions, especially the military.

The publications of Galtung, Blum, Wallerstein, Paupp, and many others, including the GHA with his GPS dedicated to scientific criticism of the USA global militarism are the fall stages of the last military empire in history and the steps of global peace in the 21st century. The peace movement on this path consciously began with Galtung's analysis of the contradictions / disharmonies of the Soviet and American empires almost 40 years ago. The theoretical analysis of these contradictions was a scientific anatomy of the US empire and its fall. The Galtung's scientific theory of the fall of the American empire as the main obstacle for global peace – is the pinnacle, ceiling and turning milestone of traditional peacemaking, as well as a necessary part of GPS, which reinforces this theory, revealing its most fundamental source – the "invisible hand" of the eternal social structure of SPHERONS as the ultimate cause of global peace from harmony, sweeping out of its way all the imperial obstacles in history.

In creation of this theory was expressed not only Galtung's scientific courage and bravery, not only his utter devotion to peace, going from his childhood, when his father was killed in the Nazi Gestapo in 1941, but its great civic responsibility. It allowed him without fear to challenge the most powerful and warlike empire in human history. All this complete a unique phenomenon of Galtung's peacemaking genius in the second half of the 20th and beginning of the 21st centuries. Galtung deserves all the honors of humanity. But he still is a maverick and 'dissident' (he defines himself as such) in the "free" American imperial order, which stands on the military machine of global structural violence. He is deprived of the Nobel Peace Prize, as its Committee prefers to reward the loyal to the empire figures, not the peace dissidents and opponents to this empire. But the international recognition of the Galtung's scientific theory will come along with global recognition of GPS.

The article main content is expressed by model of Tetranet harmonious thinking in the chain of concepts: 1.Harmony of American nation SPHERONS – 2.Disharmony of USA imperial PARTONS – 3.Galtung's theory of US empire fall – 4.Galtung: prediction of fall on 2020.

Model-16. Galtung: from intuition of SPHERONS to the theory of the USA empire fall



America, as a republic can be saved and freed from its empire only during complete global disarmament, only as a result "to shift the arms race into a peace race" about that dreamed Martin Luther King Jr., and that the USA progressive and peace-loving forces could initiate on the GPS scientific base. Unfortunately, neither Galtung, nor we do not see and do not find such a release now in the USA. But it can appear at any time, at any stage of the fall of the American empire with the advent of a new peacemaking leader in the USA within synthesis of the Galtung's theory and GPS. It will be fundamentally new step towards global peace and harmonious civilization. It will not force itself to wait long. As India found Mahatma Gandhi to shift and free non-

violently the country from the British Empire also the USA will find similar leader to shift the military empire into a peaceful republic.

One of the results of synthesis of GPS and Galtung's theory of the USA empire fall will complement of the Universal Declaration of Human Rights 28th article by the following new freedom and right, which are currently suppressed by the American empire. Article 28 states: "*Everyone is entitled to a social and international order in which the rights and freedoms set forth in this Declaration can be fully realized*" [49] This article refers to a social and international order, global peace in which it plays a key role. But the freedom and right of global peace are not protected by the Universal Declaration from any imperial suppression, therefore requires its complement.

Two additions to the Universal Declaration of Human Rights 28th article:

1. Everyone is entitled to a social and international order in which the rights and freedoms set forth in this Declaration can be fully realized.

2. Everyone has the priority right to national and global peace as fundamental quality of public order on the Earth. Peace at all levels ensures the implementation of all human rights and freedoms. Any war and preparation for it restricts and hampers the realization of human rights and freedoms, including the right to life.

3. Everyone and humanity as a whole have the freedom of global peace, freedom to live in peace throughout the world without restriction in space and time by any military empire, compelling human and mankind to war, which violate the rights and freedoms set forth in this Declaration. Freedom of global peace replaces the traditional freedom of war in the past history, and this article puts an end to military freedom. The new world history needs the freedom of global peace instead freedom of war, which must be consciously, based on science, prevented, forbidden and excluded from the life of humanity. (The last two points are additional in this article).

These additions of Article 28 will enhance the role of global peace in world order, strengthen the UN peacekeeping mission and oblige national governments and transnational associations recognize global peace by key attribute of social international order and to protect it from any imperial hegemony. Unfortunately, from the last century middle in the world order was established priority of an imperial hegemony, which intensified after the USSR empire fall in 1990. Priority of any imperial hegemony is intolerant in the global community of nations of the 21st century, which claims priority of global peace and its recognition in this Declaration. The suggested additions summarize and integrate global intellectual movement against the American imperial hegemony for the benefit of all humanity and the American people. The Empire fall will revive the truth America – a peaceful, prosperous, and free to create global peace, and disarmament of the United States will help to strengthen its peace economy.

Dr. Leo Semashko, Editor in Chief, "*Global Peace Science*" (GPS)

3. Global Peace Index on the Basis of Subjective Scoring Methodology: its Significance and Criticism from the GPS Standpoint

Leo Semashko, Roksana Sadykova

1. Global Peace Index (GPI): Organization, Intention and Mission

Another important innovation attempt of peacemaking, after two Galtung's theories: peaceful transformation of conflicts and the fall of the American empire, we might name the Global Peace Index (GPI) or Index Peacefulness. It was created by a private organization "**Institute for Economics and Peace**" (IEP: [50]), led by Australian businessman, millionaire and philanthropist Steve Killelea along with several other analytical organizations from USA, Australia, England and etc.

Index Definition. “The Global Peace Index ranks 162 countries covering 99.6 percent of the world’s population. The Index gauges global peace using three themes: the level of safety and security in society; the extent of domestic or international conflict; and the degree of militarisation (**Why here not added the 4th sector – foreign military bases + number of interventions + disarmament and similar? – R.S. and L.S.**). It ranks countries according to 22 qualitative and quantitative indicators of peace” [51,1].

Institute for Economics and Peace. “The Institute for Economics and Peace (IEP) is an independent, non-partisan, non-profit think tank dedicated to shifting the world’s focus to peace as a positive, achievable, and tangible measure of human well-being and progress. IEP achieves its goals by developing **new conceptual frameworks to define peacefulness; providing metrics for measuring peace;** and uncovering the relationships between business, peace and prosperity as well as promoting a better understanding of the cultural, economic and political factors that create peace. IEP has offices in Sydney, New York and Oxford. In 2014 the Global Go To Think Tank Index ranked IEP in the top 15 most impactful think tanks in the world with a budget of less than US \$5 million. The philanthropic funding that enabled the creation of IEP was recognized as one of the 50 most impactful philanthropic gifts in Australia’s history by a coalition of Australian Foundations in 2013. The Institute for Economics and Peace is a UN-accredited NGO in Special Consultative Status to the UN Economic and Social Council.” [50].

Mission. “The Institute for Economics and Peace (IEP) is dedicated to promoting a better understanding of the social and economic factors that develop a more peaceful society. It achieves its goals by developing **new conceptual frameworks to define peace; providing metrics for measuring peace;** and, uncovering the relationship between peace, business and prosperity.”

Institute’s Purposes. “The Institute for Economics and Peace was created to drive the development of **new, fact-based thinking on:**

- How to measure the state of peace globally, and within nations;
- How to better understand the social, political and economic drivers of peace, globally and within nations;
- How to quantify the economic benefits of peace to demonstrate that violence reduction should be a key part of economic theory and policy.

By measuring the state of peace, we can further our understanding of the social, political and economic factors that help develop more peaceful environments. With an objective, fact-based view of the relative peacefulness of different nations and regions it is possible to enhance our understanding of the types of social, political and economic conditions that are associated with and help develop more peaceful societies. **IEP believes the economic benefits of peace can and should be quantified,** and that the policy impetus for peaceful societies will be advanced if civil society, governments, and business leaders understand the significant economic benefits associated with peace” [50].

GPI importance. “The Global Peace Index (GPI) is the world’s leading measure of national peacefulness. Now in its eighth year, it ranks 162 nations according to their ‘absence of violence’. **The GPI is developed by IEP under the guidance of an international panel of independent experts** with data collated and calculated by the Economist Intelligence Unit (EIU)... The data is sourced from a wide range of respected sources, including the International Institute of Strategic Studies, The World Bank, various UN Agencies, peace institutes and the EIU... The GPI is intended to contribute significantly to the public debate on peace. **The project’s ambition is to go beyond a crude measure of wars – and systematically explore the texture of peace.** The Index is currently used by many international organisations, governments and NGOs including the World Bank, the OECD, and the UN” [50].

2. 2014 Global Peace Index (GPI). General Characteristics.

“We are living in the most peaceful century in human history; however the 2014 Global Peace Index shows that the last seven years has shown a notable deterioration in levels of peace....

Highlights. Since 2008, 111 countries have deteriorated in levels of peace, while only 51 have increased. Europe retains its position as the most peaceful region with 14 of the top 20 most peaceful countries. The world has become less peaceful over the last year, mainly due to a rise in terrorist activity, the number of conflicts fought and the number of refugees and displaced people. 500 million people live in countries at risk of instability and conflict, 200 million of whom live below the poverty line. **The Global Economic Impact of violence reached US\$9.8 trillion last year, which is equal to 2 times the total GDP of Africa.... The economic cost of violence to the global economy is equivalent to around US\$1,350 per person (US\$ 9.8 trillion or 11.3% of global GDP), or twice the size of Africa’s economy.**

Results. The most peaceful countries are Iceland, Denmark and New Zealand. Georgia, Cote d’Ivoire and Libya all made the biggest improvements in peace since last year. A common characteristic in all these countries is the ongoing improvement in political stability in the wake of conflict. Syria replaces Afghanistan as the world’s least peaceful country. South Sudan experienced the largest fall on the Global Peace Index and dropping 16 places to rank 160th of 162 countries.

Quote from Steve Killelea: Given the deteriorating global situation we cannot be complacent about the institutional bedrocks for peace: our research shows that peace **is unlikely to flourish without deep foundations**. This is a wakeup call to governments, development agencies, investors and the wider international community that building peace is the prerequisite for economic and social development...” [50].

Trends in Peace. Trends in peace are shifting from hostility between states, to a rise in the number and intensity of internal conflicts. Since 2008 only four of the Global Peace Index’s 22 indicators showed improvement, while 18 deteriorated.

Assessing Country Risk: This year the analysis includes findings from a new country risk analysis. The research has identified 10 countries likely to deteriorate in peace over the next two years are: Zambia, Haiti, Argentina, Chad, Bosnia and Herzegovina, Nepal, Burundi, Georgia, Liberia and Qatar. Countries at risk span all regions and represent all government types except for full democracies [51, 55].

Explore: Explore the Global Peace Index interactive map to see where the countries of the world rank according to their peacefulness. Download the 2014 Global Peace Index Report...”[50]. The main sources of information for GPI are The World Bank and the USA State Department.

3. GPI Structure

“The GPI comprises 22 indicators of the existence of absence violence or fear of violence... **The indicators were originally selected with the assistance of an international panel of independent experts in 2007 and have been reviewed by the expert panel on an annual basis. All scores for each indicator are normalised on a scale of 1–5, ...** A detailed explanation of the scoring criteria used for each indicator is supplied in Annex A” [51, 39, 92–99].

The GPI 22 indicators have multiple divisions in different groups. First of all, they are divided into 3 groups:

1. Conflicts – 5 indicators,
2. Security – 10 indicators,
3. Militarization – 7 indicators [51, 39].

Then they are divided into internal – 13 and external – 9 indicators. A detailed explanation of each indicator is given here [51, 92–99]. We summarize the structure of these indicators with their estimates in the table.

Table-1. The GPI 22 Indicators and their Parameters [2. 39–40, 92–99].

Indicator	Type	Unit of Measure	Scoring Assessment (7 Experts)	Weight in GPI (7 Experts)
CONFLICT				
<i>Number of external and internal conflicts fought</i>	quantitative	numeric	5	6.5 %
<i>Number of deaths from organised conflict (external)</i>	quantitative	numeric	5	6.5 %
<i>Number of deaths from organised conflict (internal)</i>	qualitative	numeric	5	6.7 %
<i>Level of organised conflict (internal)</i>	qualitative	?	5	6.7 %
<i>Relations with neighbouring countries</i>	qualitative	?	5	6.5 %
SECURITY				
<i>Level of perceived criminality in society</i>	qualitative	?	3	4 %
<i>Number of refugees and displaced people as a percentage of the population</i>	quantitative	numeric	4	5.2 %
<i>Political instability</i>	qualitative	?	4	5.3 %
<i>Political Terror Scale</i>	qualitative	numeric	4	5.3 %
<i>Terrorist activity</i>	qualitative	?	2	2.7 %
<i>Number of homicides per 100.000 people</i>	quantitative	numeric	4	5.3 %
<i>Level of violent crime</i>	qualitative	numeric	4	5.3 %
<i>Likelihood of violent demonstrations</i>	qualitative	?	3	4.0 %
<i>Number of jailed population per 100.000 people</i>	quantitative	numeric	3	4.0 %
<i>Number of internal security officers and police per 100.000 people</i>	quantitative	numeric	3	4 %
MILITARISATION				
<i>Military expenditure as a percentage of GDP</i>	quantitative	%	2	2.6 %
<i>Number of armed-services personnel per 100.000 people</i>	quantitative	numeric	2	2.6 %
<i>Volume of transfers of major conventional weapons as recipient (imports) per 100.000 people</i>	qualitative	numeric	2	2.7 %
<i>Volume of transfers of major conventional weapons as supplier (exports) per 100.000 people</i>	quantitative	numeric	3	3.9 %
<i>Financial contribution to UN peacekeeping missions</i>	quantitative	dollars	2	2.6 %
<i>Nuclear and heavy weapons capability</i>	quantitative	numeric	3	3.9 %
<i>Ease of access to small arms and light weapons</i>	qualitative	?	3	4.0 %

4. GPI Methodology and Experts

Measuring states of peace begins with an attempt to define peace. “Peace is notoriously difficult to define. Perhaps the simplest way of approaching it is **in terms of harmony achieved by the absence of war, conflict or violence or fear of the aforementioned**. Applied to nations, this would suggest that those not involved in violent conflicts with neighbouring states or suffering internal wars or violence have achieved a state of peace, which has been described as “negative peace” [51, 38–39]. Consequently, the GPI expresses does not positive peace but negative peace. Therefore, **“GPI is a true measure of negative peace” [51, 49], i.e. measure of violence not measure of peace.**

We emphasize once again the definition of the key methodology of GPI 22 indicators origin together with their scoring and weights: **“The indicators were originally selected with the assistance of an international panel of independent experts in 2007** and have been reviewed by the expert panel on an annual basis. All scores **for each indicator** are normalised **on a scale of 1–5**, whereby qualitative indicators are banded into five groupings and quantitative ones are either banded into ten groupings or rounded to the first decimal point” [51, 39]. “The annual change is calculated by taking the average of the scores for each of the 22 indicators of the GPI for each of the 162 countries analysed in 2013 and 2014” [51, 16].

“An international panel of independent experts played a key role in establishing the GPI in 2007 – in selecting the indicators that best assess a **nation’s** level of peace and in assigning their weightings. The panel has overseen each edition of the GPI; this year, it included:

Professor Kevin P. Clements, chairperson Foundation Chair of Peace and Conflict Studies and director, National Centre for Peace and Conflict Studies, University of Otago, Dunedin, New Zealand.

Dr Sabina Alkire, Director, Oxford Poverty & Human Development Initiative (OPHI), University of Oxford, United Kingdom.

Dr Ian Anthony, Research co-ordinator and director of the Arms Control and Non-proliferation Programme, Stockholm International Peace Research Institute (SIPRI), Sweden.

Mr Vasu Gounden, Founder and Executive Director, African Centre for the Constructive Resolution of Disputes (ACCORD), Durban, South Africa.

Mr Nick Grono, CEO, The Freedom Fund, London, United Kingdom.

Dr Manuela Mesa, Director, Centre for Education and Peace Research (CEIPAZ) and president, Spanish Association for Peace Research, (AIPAZ), Madrid, Spain.

Dr Ekaterina Stepanova, Head, Unit on Peace and Conflict Studies, Institute of the World Economy and International Relations (IMEMO), Russian Academy of Sciences, Moscow, Russia” [51, 38]. From 7 experts 4 are representing the EU.

To these seven experts for scoring 7 quality indicators of GPI was invited about 100 experts from the British “Economist Intelligence Unit” [51, 40].

5. Theory of Positive Peace and its 8 Pillars

The evolution of conceptual thinking the GPI authors held several theoretical stages. “An important contribution of the Global Peace Index since its first release in 2007 has been to shift thinking about peace away from a simple binary state of conflict or war, to a more sophisticated layered concept, where countries and regions can be represented on a nuanced continuum of peace. The GPI’s definition of peace is what is termed ‘Negative Peace’, defined as the absence of violence or fear of violence and is represented by measures of societal safety and security, militarisation and ongoing internal and external conflict. Negative Peace is important to measure and understand over time. Extensive research exists that shows direct forms of violence and conflict fundamentally undermine human wellbeing and almost every conceivable development goal.

While Negative Peace is important to understand and measure over time, it does not explain the key factors that should be cultivated to create a more peaceful society. Only by increasing the understanding of what is termed Positive Peace (defined as the attitudes, institutions and structures that create and sustain peace over time) can we better understand how to create more peaceful and resilient societies. By systematically assessing how these long-term societal factors move over time we can better understand underlying risk factors and the resilience countries may have to internal and external conflict stressors.

IEP has developed a framework for conceptualising the **key societal structures** that are statistically prevalent in the most peaceful countries in the world. This framework, called the Pillars of Peace, provides a starting point for assessing the Positive Peace factors that create and sustain peaceful societies. The taxonomy also forms an **ideal base** for measuring a society's trajectory towards conflict as well as its potential for peace. These Positive Peace factors are also positively associated with many qualities that we consider beneficial such as strong economies, gender equality, greater ecological sustainability and fairer and more harmonious societies. In constructing the Pillars of Peace, over **4,700 different indices**, datasets and attitudinal surveys were analysed in consultation with recent literature about what drives peace, resilience and conflict. The framework describes eight key characteristics that define the most peaceful nations:

1. Well-functioning government
2. Sound business environment
3. Equitable distribution of resources
4. Acceptance of the rights of others
5. Good relations with neighbours
6. Free flow of information
7. High level of human capital
8. Low levels of corruption" [51, 64].

"These eight Pillars are associated with peaceful environments and are both inter-dependent and mutually reinforcing, such that improvements in one factor would tend to strengthen others and vice versa. Therefore the relative strength of any one Pillar has the potential to positively or negatively impact the others, thereby influencing peace. A peaceful environment is dependent on the strength of all Pillars...

The link between weak societal factors and cycles of violence and conflict has been solidly established in development literature and notably in the World Bank's World Development Report (WDR) 2011. The focus of much of this literature is on internal and external stressors that create conflict such as horizontal inequalities, ethnic divides, unemployment, natural resource wealth and climate change. The Pillars framework aims to go beyond measuring conflict stressors towards a more systematic analysis of the underlying ability of a country to be resilient against a variety of internal and external shocks that may eventuate in the future. ...

Nations with stronger Positive Peace will be able to better capitalize on fortuitous circumstances strengthening the potential for greater levels of future peace and prosperity. Norwegian management of its North Sea oil reserves and the foresight to develop a large fund for future social or economic needs is a prominent example. Protection in the aftermath of a large shock lies in the ability of the social system to rebound and respond. This is measured by its resilience. ... The real-world link between the Positive Peace factors and peace can be assessed by looking at the strong correlation between socio-economic factors and peace as measured by components of the GPI and the various Pillars shown above" [51, 65].

"There is a strong correlation between the attitudes, institutions and structures as measured by the Positive Peace Index, which captures the eight key Pillars of Peace and the level of violence a nation experiences" [51, 66].

"Positive Peace Index (PPI) is a composite measure of the Pillars of Peace, which are measured in terms of the 24 indicators from different sources: World Bank, EIU, UNDP, IEP, and etc." [51, 67].

On this basis, the link of GPI and 8 Pillars is defined. “The GPI is strongly correlated with the eight Pillars of Peace... Each of the three GPI sub-domains is also correlated with the Pillars of Peace; however, the correlation between some Pillars and some sub-domains is much stronger than others. In general, the weakest (???) correlation is between the Pillars of Peace and the level of Militarisation, whilst the strongest (???) correlations are between Pillars of Peace and the Safety and Security sub-domain. ...**All the Pillars of Peace** are strongly associated with Societal Safety and Security, with the strongest (???) single correlation being with low levels of corruption. ...Corruption is the pillar most (???) closely associated with Ongoing Conflict...” [51, 52–53] (Question marks and underscores is our, R.S. and L.S.).

Peace and Economic Growth. “One of the key Pillars underpinning more peaceful societies is a strong and sound business environment, which provides stability and certainty for private sector growth as well as a reliable tax base for governments to implement policies that develop a country.

A peaceful environment with low levels of violence, insecurity and fear also provides the environment for business and investment to flourish. The direction of causality between peace and economic growth is not entirely constant and is dependent on context. In some cases, it is clear that deterioration in economic conditions can lead to increased social tensions, resulting in increased violence. This has been the case in Greece in the wake of the Global Financial Crisis. Conversely, there are cases where conflict and violence as a primary consequence of social and political tensions are the catalyst for a significant deterioration in economic activity. Seen in this light, peace can be the product or producer of a more economically prosperous society with causality running in either direction.

Closely associated with levels of peace is the corresponding level of spending a country commits to containing and dealing with the consequences of violence. Violence containment spending, defined as the economic activity related to dealing with the consequences or prevention of violence where the violence is directed against people or property, is closely linked to levels of peace. This link is seen at the global and sub-national level, where countries that have lower levels of homicide, violent crime and conflict will also have lower levels of spending on policing, judicial functions and military spending” [51, 66].

Trends in Positive Peace and Resilience. “As Positive Peace defines the attitudes, institutions and structures that create and sustain peaceful societies, it also describes a process that results in improvements in a range of other societal qualities that are considered desirable. For instance, gains in the Pillars of Peace lead to improvements in public service delivery, increased literacy and life expectancy, more stable business environments and more equally distributed access to health and education services. Therefore the Pillars of Peace can be seen as a proxy measure for describing an optimal environment for human potential to flourish. Using Positive Peace measures and tracking them back over time, it can be seen that many of the countries that have improved most significantly in peace have also seen significant improvements in their Positive Peace.

The link between Positive Peace and conflict can be tracked over time by looking at two IEP developed measures: Negative Peace – Global Peace Index (GPI), Positive Peace – Positive Peace Index (PPI). Subsets of these indexes can be taken back to 1996 for GPI and to 1996 for PPI. The methodology underpinning the GPI subset and PPI measures is explained in Box 3.5...

Improvements in Negative Peace are correlated with improvements in Positive Peace and vice versa, underpinning the potential causal links between Positive Peace and Negative Peace measures... It can be seen that improvements in Positive Peace have been consistently associated with lowering levels of violence” [51, 71–74].

“**BOX 3.4 // A Systems Approach to Peace.** A system is a collection of components, which interact together to perform a function. An example of this might be a forest, which is comprised of individual components such as trees, grass, soil and fauna. Just as the organisms that live in

the forest rely on it for their survival, so too does the forest rely on the organisms. The system is therefore more than simply the sum of its components, as the wider interactions in a system also determine the way components themselves operate.

Similarly, when considering the environment which underlies a peaceful society, it is vital to recognise the way government, the economy, and culture might interact. For the Pillars of Peace this means that any one Pillar cannot be considered alone. For example, when considering well-functioning government, low levels of corruption and strong business environment, it is very hard to determine which one of these indicators has the strongest impact on the others. It may be dependent on the situation and therefore differ from situation to situation or more likely they are all interdependent.

Consequently defining causality is difficult, as it may not be possible to isolate factors, which interact with one-another to make a country more peaceful. Therefore it is best to think in terms virtuous or vicious cycles, with the system interacting to propel it in a certain direction. Because of this, the Pillars of Peace should be seen as mutually interdependent, meaning that significant improvements in peace result from improvements in the entire system” [51, 77].

“**BOX 3.5 //Developing Time Series Measures of Positive and Negative Peace.** To enable an assessment of the various methodologies developed by IEP it has been necessary to use indicators with a long enough time series to produce statistically significant results. This is not a replacement for the GPI and PPI and the subset indices cannot offer as accurate prediction as what would have been provided if the full datasets were available. **The full GPI and PPI have 22 and 24 indicators respectively.** However, historical data earlier than 2008 for most of these indicators does not exist, making it difficult to do robust analysis of trends and relationships. To overcome this limitation, various subsets of both the GPI and the PPI have been developed, which can be backdated to 1996. It is important to note the full and subset measures correlate closely at $r=0.84$. The Global Peace Index – Subset (GPI-S) and Positive Peace Index – Subset (PPI-S) have been constructed in the following ways:” [51, 77].

Composition of the Global Peace Index – Subset [51, 77]

Positive Peace Index – Subset			
Indicator	Source	Banding	Weighting
Homicide rates	UNDOC and WHO	1–5 using 2005 as base year	Average of all three indicators
Political terror	Amnesty and US State Department		
Battle deaths	Uppsala Database		

Composition of the Positive Peace Index – Subset [51, 77]

Positive Peace Index – Subset			
Indicator	Source	Banding	Weighting
Press freedom	Freedom House	1–5 using 2005 as base year	Average of all five indicators
Human rights empowerment	Cingranelli – Richards Human Rights Data (CIRI)		
Control of corruption	World Bank (World Governance Indicators)		
Government effectiveness	World Bank (World Governance Indicators)		
Human Development Index	United Nations Development Programme		

The authors critically emphasize the insufficiency of their indicators, limiting their methodology and the need for better tools to assess peace [51, 82, 83, etc.]. But this does not

prevent them to conclude that their theory of the Positive Peace Pillars "is a new conceptual framework for understanding and describing the factors that create a peaceful society" [51, 83].

6. GPI Advantages

Global Peace Index (GPI) – this is definitely a unique and needed global meter, which was created as a result of the colossal work of the Institute for Economics and Peace (IEP) in 2007 and developed in its annual reports, including 2014. GPI is one of the most important intellectual achievement of traditional peacekeeping. What are the most important advantages of GPI from the standpoint of Global Peace Science (GPS), which it integrates in itself and develops further? We briefly state the GPI main advantages.

1. **First advantage is:** the intention to create "*a new conceptual frameworks to define peacefulness,*" which expresses the failure of traditional peacemaking to do it within the framework of previous approaches (our emphasis, R.S. and L.S).

2. **Second advantage is:** an attempt "*providing metrics for measuring peace*", which is a unique and innovative for traditional peacekeeping, almost unknown to it. The work with metric system of peace measurements to demonstrate "*Quantifying Peace Benefits*" – is an attempt to put peacemaking on the scientific track, which is impossible without quantitative methods. The GPI indicators, which express the real statistics without expert assessments, such as the cost of world military expenditures (cost of violence) and the like, have a scientific value and deserve attention.

3. **Third advantage is:** the search for a new peacemaking conceptualism and "development of new, **fact-based thinking ... to better understand the social, political and economic drivers of peace, globally and within nations ... and to quantify the economic benefits of peace.**"

4. **Fourth advantage is:** understanding the key significance of peace. "**Peace is essential to address the global challenges facing humanity today** because without peace we will be unable to achieve the levels of cooperation, inclusiveness and social equity necessary to solve problems such as climate change, global poverty, and the health crisis" and others.

5. **Fifth advantage,** expressed by Steve Killelea IEP president: "Given the deteriorating global situation we cannot be complacent about the institutional bedrocks for peace: our research shows that peace **is unlikely to flourish without deep foundations.**" These foundations (factors, conditions, driving forces) of peace, eventually, he recognizes the social, cultural, political and economic structures or spheres, on which is built GPS and its core – SOCIONOME (see chap. 1). Institutional organization of these grounds, indeed, is not satisfactory and is not ready for global peace, as it and its corresponding world order are traditionally configured not to peace but to war and to constant general preparation for it. This is caused the global hegemony of the American military empire since 1945, with the atomic bombings of Hiroshima and Nagasaki [4], which have demonstrated the US world domination (see. 4.2 in this book).

6. **Sixth advantage is:** a collaborative effort in the development of GPI, which is adequate to complexity of the peace problems, requiring collective and concerted efforts of many participants in their decision. Global Harmony Association (GHA) has realized this demand and need for collective peacemaking since 2005, since its inception and it continues to this day including GPS.

The GPS development goes in all these directions, integrating and developing further all of these conceptual advantages of the Global Peace Index but in their another theoretical and philosophical content. These advantages are only at the level of aspirations, goals, and searching but their implementation, from our point of view, to stay away from them, do not stand up scientific criticism and do not achieve the task. However in science, as we know, a negative result – it is also a result that highlights the wrong way. This criticism is presented below.

7. GPI Subjectivism and its Criticism

With all the undeniable advantages and innovations GPI, it has one fundamental flaw that defines all its other shortcomings and limitations, and ultimately negates its value. **This drawback is subjectivism**, expressing absence of objective foundations into GPI and their substitution by subjective opinions, selections, assessments and approaches. We will try to uncover here briefly the anatomy and alchemy of similar subjectivity in understanding peace. Methodology and philosophy of these subjective anatomy and alchemy are characteristic not only for the GPI construction but also for all the traditional peacemaking in its endless variations for more than a century with very few rare exceptions.

The GPI rolling down into subjectivism begins with an intuitive, insecure and poorly conscious understanding of the four fundamental objective driving forces / spheres / factors / conditions of peace: social, cultural, political and economic, which are called in the GPI Report [51] in different sets, different content and sequence. In this report is completely absent scientific analysis, definition and details of these four fundamental societal structures, the harmony of which defines peace at all levels, as is shown in GPS within SOCIONOME and its center – SPHERONS (see chap. 1). Only scientific analysis of these real structures using their extensive statistics is able to eliminate subjectivity and provide objective scientific approach to the knowledge of "the driving forces of peace", to which is devoted GPS.

The second, crucial stage of GPI subjectivism is to build its subjective epistemology, which includes the following points:

1. Selection and formation of the GPI expert group (7 experts of IEP + more than 100 experts involved),
2. Expert subjective selection of GPI 22 branch indicators describing some aspects of the two fundamental factors in the actual world forgetting the social and cultural factors,
3. Formation of the methodology of subjective expert evaluation of these indicators IGM in a five-point system (scoring),
4. Scoring procedure of subjective expert evaluation of GPI each indicator,
5. Procedure of percentage subjective expert weighing each indicator GPI, at GPI for 22 indicators = 100%.

This anatomy deprived objective basis and actual statistics, with rare exceptions, reveals full subjective arbitrariness at all GPI stages. Ultimately, it comes down to putting up expert evaluations / scores and expert weights for each of 22 indicators for each of 162 countries annually. Of course, at the experts / teachers can be "good" and "bad" students / countries, which they estimate accordingly.

The third, executive and resulting stage of GPI subjectivity is presented by infinite subjective alchemy of final value producing GPI 22 indicators during processing of their 4700 indicators of 162 countries and many other sources. We cannot imagine that the scale of the Augean stables of subjective scoring that have to clean up GPI experts, the iceberg peak of which is only partially shown in its report [2]. That's not counting the myriad of other subjective nuances associated with GPI indicators and their parallels, for example, with 24 indicators of Positive Peace Index (PPI), risk and other.

As a result, when we try to understand the GPI Report for 2014 [51; 52], we find a complete absence of any objective logic of expression and description. The report is presented to the reader in the form of a sophisticated Minotaur labyrinth, from which there is no output. Furthermore, this report brings the reader on that the unpleasant thought that the authors have made every effort that alchemy of their subjectivity has remained an incomprehensible mystery for the reader and that he had lost all desire to search any foundation for presented conclusions about the ranking of countries on a scale of peace in the GPI. We must understand that any other group of experts will receive through subjective methodology fundamentally different results and justify any desired conclusion. This is the "advantage" of subjectivity but it has nothing to do with science, which gives the same conclusion for all groups, experts, governments and countries, to that GPS is aimed. Of course, there are also examples of useful subjectivism, such as Galtung's

subjective theory of conflict peaceful transformation but it is not very effective, although included in GPS as its subjective complement.

Such is the general critical picture of the GPI subjectivity and subjectivism in a whole as an epistemological approach. Now focus on some important private details of GPI compared with GPS.

The choice of GPI indicators. Of the thousands of branch indicators characterizing the four foundations / factor of peace, was selected 22 ones, deprived together criterion of necessity and sufficiency because of their branch (partial) nature and their subjective selection. The question "why" these indicators were selected and for what objective reasons is meaningless in the subjective methodology. These indicators express only partial factors that have a particular value, without solving the peace problem in general and globally, which does not even raise. Formulation of this problem is available only science, not subjectivism. The expression of peace in terms of branch indicators is impossible because of its holistic nature. Therefore, the expression of peace is only available in the spherical, holistic indicators as shown in GPS (see. 1 and 2 chapters in this book).

Absence of a central, system-creating indicator. All 22 indicators of GPI are equally weak and insufficient. Among them, there is no central, system-creating indicator of PEOPLE, POPULATION and its various groups and classes in which, ultimately, are rooted all causes of war and peace, and for which the culture, politics and economy – it is only the instruments of peace. People / population – they are the main actors, sources, causes and guarantors of peace, who are forgotten in the GPI, but which are the core of GPS.

The impossibility of a system approach into subjectivism. The random selection of GPI indicators, the lack among their set of objective central deprives GPI system character, although in its report is an attempt of system approach [51, 77]. All attempts to talk about the degree of importance of GPI indicators and the degree of their mutual correlation is also meaningless because of their subjectivity. In contrast, in GPS, four factors of peace are expressed in 16 fundamental necessary and sufficient indicators, system-center of which is four SPHERONS common to all countries, cities, regions and the world as a whole.

An attempt to construct peace theory, conceptual thinking and its failure. In the GPI report is an attempt to construct peace theory and conceptualization of its thinking [51, 64–73] in the system of so-called "**positive peace and its 8 pillars.**" It turns out that GPI is not enough; it expresses only "negative peace", i.e. peace as "absence of violence or fear of violence" and only in the scale of individual countries and nations. Therefore the Global Peace Index, in fact, is **National Violence Index** rather than peace, and not globally but only at the national level and it "**does not explain** the key factors" of peace. Therefore, the GPI authors tend to move from this simple binary thinking to a more complex tiered concept, where countries and regions can be represented by the nuanced continuum of peace. The concept of positive peace identifies and explains the **eight "key societal structures" of peace, which are called "pillars of peace"** and are expressed in terms of 24 indicators, which is fundamentally different from the GPI 22 indicators. However, these indicators do not go beyond a subjective methodology that invalidates the theory of positive peace as well as negative peace. But the 24 indicators of positive peace are also insufficient and must be supplemented with new long-term gauges in subsets [51, 77], also subjective in nature, that ultimately confuses this theory and deprives it meaning. Positive peace, in the end, also is reduced to the level of violence, as well as negative peace that demonstrates the theoretical insolvency of GPI to define peace. Both of these theories are weak in their subjectivity, does not stand up scientific criticism. It is essentially the only place with some signs of theory. Therefore, the attempt to recognise a theory of positive peace as "new conceptual framework for description and understanding of the factors of peace" [51, 83] is groundless and meaningless also as their claim for a new peace thinking.

We have shown in the GPS first two chapters that revolution of peace thinking is not associated with partial, branch structures, relations and indicators, in which peace cannot be described as a whole, but with the spherical notions and indicators, represented in SOCIONOME. But this does not diminish the importance of the theoretical attempts of GPI authors in this direction, which can be considered the steps in right, scientific and objective direction to overcome their subjectivity.

Inability to define the concept of "peace." Despite many attempts, the GPI authors could not scientifically define the concept of "peace" because of subjectivism. Peace is determined at them through violence or through security, which also expresses the violence.

Pretension for quantification of GPI indicators and its failure. We have emphasized above the importance of scientific quantification of peace indicators. But GPI indicators are bitty on all characteristics, by type: qualitative and quantitative, on the units of measurement: cost, natural, percentage, etc. They exclude virtually every statistical expression. Their summation and integration takes place only in the subjective process of mystical expert evaluation in scoring and percent. This procedure cannot be "quantification" of peace indicators but only its profanation and parody. It has no scientific meaning. It cannot go to any comparison with the universal quantification of scientific spherical indices of global peace in global statistics, discussed in detail in Chapter 2 of this book. The expert assessment is justified only in impasse cases.

Practical and scientific application of GPI. This is stated in one sentence of the report: "The index is currently used by many international organizations, governments and NGOs, including the World Bank, the OECD and the United Nations" [50]. But we have not found any precise list of its applications for 7 years with an analysis of its identified strengths and weaknesses. Hence the phrase on the application and scientific use of GPI remains unfounded. Based on our analysis, **we can conclude that GPI subjectivism excludes of its scientific character and with it its practical application.**

8. Political meaning of GPI

Our analysis shows that the GPI has no real scientific meaning and application, except for its positive intentions. **No any peace it does not measure and any its trends it does not fix.** It's all guesses on subjective expert scoring: how many experts so many possible ratings, and directly opposite. If so, then what is the GPI meaning, which persists in 7 years? We assume that its real sense is political.

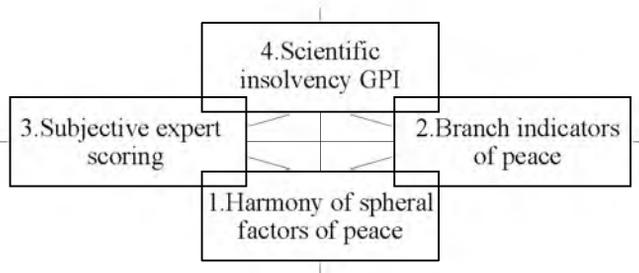
It consists in the fact that by subjective assessments and arbitrary selections to mask the first main threat to global peace – the US military empire and move it from the first militaristic place among the 162 countries to the middle of their list on peacefulness and annually increasing its GPI. The American empire has zero intention to peace and maximum militarism and violence in the world today that was proven Galtung and many honest and courageous analysts of this empire [26]. The American empire disguises itself in GPI through its subjectivism and arbitrariness of scoring, trying to give self a peace-loving nature. It brings unfortunate outcasts of this empire like Syria, North Korea, Iran, and of course, adding to them Russia as the US opponent, to the most aggressive and dangerous for peace countries through GPI. However, as a sociological poll of almost 68,000 respondents from 65 countries shown, they recognize the United States the greatest threat to global peace [34; 53]. What should we believe: to scientific research of 68 thousand respondents or alchemy of subjective scoring 7 experts of GPI? The question is rhetorical.

In light of this GPI political meaning becomes clear why in it has not got such a revealing indicator for the USA as the foreign military bases, and some other "unpleasant" for them indices, such as disarmament, interventions, bombings, tortures, killings of innocent citizens [45] and the like? Because these indicators clearly expose the militaristic essence of the American empire.

The USA has about 800 foreign military bases, and Russia only 25 and all other countries combined – no more than 50 bases [54]. All these facts unfold the true meaning of GPI: not scientific, but political, ideological and propaganda in the service to American empire. Science does not perform these functions and subjectivism is very convenient for this purpose. In this regard, it should be emphasized that GPS, which claims to be objective, scientific understanding of peace cannot have anything common with these functions of GPI, which is, wittingly or unwittingly, the index masking global militaristic hegemon of our time.

The article key content is expressed by model of Tetranet harmonious thinking in the chain of concepts: 1.Harmony of spherical factors of peace – 2.Branch indicators of peace – 3.Subjective expert scoring – 4.Scientific insolvency GPI.

Model-17. GPI: Subjectivism and scientific insolvency



9. Epilogue. Fall of the USA Empire and Relation to it

This issue has become for us a central discussion point. On the one hand, we are absolutely convinced, after Professor Galtung [26; 53], that **peace will never come on Earth as on it the last military empire is dominated – USA Empire**, which he predicted the collapse in 2020. Therefore, any science of global peace and any peacemaking are meaningless without recognition of its fall. It is inevitable due to the inexorable objective laws that opened Galtung, and its necessity for global peace, for its freedom and for the right of everyone to it. This freedom and this right are constantly violated by USA Empire. GPS reveals the laws of peaceful world order, an alternative to the laws of the militaristic world order established after 1945 by the American empire, after the atomic bombings of Hiroshima and Nagasaki, which established for humanity the fear of global violence up today. **Therefore, the world will never be better and alternative world order will never come to Earth until on it the USA military Empire is dominated.** This is clear and understandable to most of humanity now, as evidenced by dozens of scientific publications on this topic. This is an objective fact, and it should be, and it is the part of a new science – GPS.

On the other hand, the American empire with its unimaginable number (many times larger than all other countries combined) of war crimes against humanity since 1945, starting with the atomic bombings of Hiroshima and Nagasaki, has established a stable and fast growing anti-Americanism of global scale. It is the world spiritual resistance, in which are unacceptable mixed, from our point of view and from the perspective of GPS, two opposite on the subject, but the same in quality, intuitive relations: the hatred to American Empire and hatred to the American people. The only correct moral, scientific and humane relation, separating the hatred subjects found Galtung, defining his own relation: *"I love the US Republic ..., as much as I hate the US Empire for its violence of all kinds in so many places around the world"* [26, 3].

Therefore, the US Empire fall does not mean the fall of the American people, the destruction of this country and the death of its population / inhabitants who are not responsible for the imperial decisions and actions. American empire is the American power elite, including politicians, financial clans and ideologues who led America into a state from which ordinary

Americans suffer themselves. Only this difference is morally true, humane and meets GPS, its understanding of global peace from social harmony of spheral classes of the population, SPHERONS, which exclude empire (so all empires fall) and its partial disharmonious groups – PARTONS, one of which in history is the USA power elite. Will fall and should drop its power, its world order and not the American people and the country's population.

Only with this in mind, an essential difference in GPS, it will avoid another disastrous extreme in relation to the American empire – complete anti-Americanism with the destruction of the citizens and the country as a whole, which means the death of hundreds of millions of civilians and innocent people. This is absolutely unacceptable philosophy for GPS as it is full violence, which excludes any social harmony. GPS avoid an error of traditional identification of a whole with the part, the people / population with the power elite / ruling class. GPS rejects any violent acts, including violent demonstrations and overthrow of government, recognizing only peaceful transformation through a change of consciousness of most people. Therefore, the fall of the ruling elite of the American empire GPS connects with three prerequisites.

1. Development based GPS ideology and consciousness of global peace as an alternative to military science, militaristic ideology and consciousness of inevitability and eternity of war.

2. Overcoming the false consciousness of elitism, God's chosen people, special mission of the American people, which contradicts the equality of all people, excludes justice between them and their priority as the main actors of peace and harmony rather than individual nations, states, governments, economy, etc. As recognized in the Declaration of Human Rights, all human beings are born equal, i.e. on nature. This nature of people, as evidenced by many philosophers and in GPS, is a social and peaceful, which excludes war, which can only be understood as a social pathology from deep ignorance in harmony and as deviation from human nature. (If humanity would spend at least 1% of the military spending on scientific knowledge of social harmony, it would long live in peace and prosperity, freed from military pathology!). But the blind faith of some Americans that their exceptionally duty, as President Obama said recently, – to be a bulwark of freedom and democracy, to bring the American notions and protect the world entire, i.e. be the world's policeman – it's just a misconception that turns to other countries by violence and chaos. We see it in Iraq, Afghanistan, Libya, Ukraine, Middle East etc. As if peace, freedom, democracy and justice can be achieved by violence, besides of which the American empire does not recognize other means, for example, such as harmony. Freedom cannot exist without peace and harmony. The first thing that takes a war – it is a human life and freedom of peace. The target cannot justify the means. Violence begets counter-violence and ultimately destroys its source.

3. To counter false consciousness of violence priority can only scientific positive consciousness of global peace from social harmony through public enlightenment and harmonious education since childhood and based on it harmonious democracy of SPHERONS of America, excluding any war (about the spheral democracy see in later chapters). Only by this, peaceful and reasonable way the American Empire can be transformed into a peaceful prosperous society, seeing its meaning not in the global violence and in global aid to the poorest countries of the world on the basis of scientific concepts of peace, freedom, democracy and prosperity from harmony. That is the true purpose and destiny for America, which its founding fathers seen for the country, as well as its genius of modern times, as Martin Luther King, bequeathing to America "to shift the arms race into a peace race"! Nobody put this higher peaceful purpose! American society, serving the world and to others poorest countries, itself shall prosper and not to fall and deteriorate, destroying other countries.

No ways to keep the American empire, to prolong its life and disguise its war crimes, even with the most sophisticated subjective peace indices will save it from imminent fall. The rescue of American society from its imperial ruling elite is only a new, positive peace consciousness of

social harmony, presented initially in GPS, which is necessary, first of all, the American society for its salvation and survival from the empire.

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Dr. Leo Semashko, Editor in Chief, "*Global Peace Science*" (GPS)

4. Alternative Global Peace Index: Spheral/SPHERONS (SIGP)

Leo Semashko

Here we will formulate a hypothesis the alternative objective Global Peace Index and define in general terms the structure for its future development. If GPS cannot use an existing GPI because its scientific insolvency in its subjectivity (see above), GPS should create it on an alternative basis of social spheres and SPHERONS of social genome – SOCIONOME. Therefore, it will be titled as follows: Spheral or SPHERONS Global Peace Index (SIGP). This is its hypothesis and definition of its objective sources, which are reflected in SOCIONOME. It will measure the level of global peace not in indicators of national violence, as GPI, and in indicators of global social harmony all of its 16 fundamental elements discussed in the first chapter, and in the relevant spheral statistical indicators of SOCIONOME discussed in the second chapter.

If the level of global peace is equal to the level of global harmony, the most appropriate generalized unit of measurement for SIGP may be the percentage expression of the achieved level of social spheral harmony in any society and in the entire world. SIGP is the result of the arithmetic average of the harmonization of each of the 16 fundamental elements of social harmony in SOCIONOME. The first and key indicator among them is the level of harmonious consciousness in years of harmonious education of each of four SPHERONS, which included a certain amount (e.g., 30–50%) should take the intuitive harmony / peacefulness inherent to every human being. Of course, this and all other questions of SIGP construction will find a special study and scientific rationale in its development.

SIGP is a revolution in the methodology of this index, which consists in the transition from the branch indicators to fundamentally new spheral indices with the corresponding spheral statistics, which raise the index with the subjective to objective level. They also are not discarded but improve branch indicators as complementary SIGP. GPI as Index National Violence may be an addition for SIGP to express a measure of disharmony / violence in society in an alternative methodology. In GPI the factors of peace are the private / branch and in SIGP are holistic / spheral. It is qualitative difference and revolution of peace thinking, its transition from the subjective arbitrariness to the objective criterion of necessity and sufficiency.

As SIGP never ever can be equal to 100% – this is only the highest ideal of full harmony for the eternal desire to it, the missing percent will be to express the level of social disharmony as the ground for possible conflicts, prophylaxis of which will prevent their worsening and eliminate social clashes. Of course, for the detailed elaboration of SIGP requires colossal work of a large integrated team of sociologists, statisticians, demographers, economists and other specialists on the basis of GPS and within relevant international institution as part of the Academy of Spheral Social Sciences, about which see below.

Dr. Leo Semashko, GHA President, Editor in Chief, *Global Peace Science*

5. Destructive Criticism of GPS and Peacemaking Degeneracy.

The Start of War against GPS. Dr. Leo Semashko

This paragraph of the GPS (Global Peace Science) is based on analysis of the latest living facts of degeneration of traditional peacemaking, further: t – peacemaking limited 20 and 21 centuries. The concept "degeneration" can be replaced by any similar term - decay, decomposition, regression, collapse, degradation, impotence and so on but the essence does not change, of which we have already mentioned

and that is obvious to everyone. For more than one hundred years, the old ideology, education, theory and practice of t - peacemaking were powerless to stop or prevent at least one war, neither two world wars in the 20th century, nor the hundreds of local wars in it and in the 21st century. Over 60 years the war between Jews and Palestinians continues as well as the wars in some countries of Africa, Asia, Latin America and elsewhere. The SIPRI annually record dozens of armed conflicts in the world [54], against which the peacekeepers are helpless and the facts of their impotence in front of everyone. Now begins a civil war in Ukraine. We see how the military experts from NATO, State Department, Pentagon and CIA have visit Kiev in their own interests but we do not see here any one of the great peacemakers of U.S. or Europe, including Glen Martin. However, this does not diminish the particular achievements of t - peacemaking. They are powerless to stop the war but they can be useful in constructive paradigm of GPS. We keep our analysis within the scientific area and not cross its Rubicon with policies.

Previously, to eliminate ambiguity and misunderstanding GPS, we must repeat and emphasize one key idea, which goes the refrain through all of the GPS chapters: all achievements of t - peacemaking for more than a hundred years are saved and used in GPS as its private positive toolkit but we did not aim to analyze it here. Our goal is different - the creation of GPS as a new scientific paradigm of global peace.

In the analysis of t - peacemaking as a whole we clearly see its contradictory nature. On the one hand, this is massive opposition to the war as a progressive international movement for peace that defines one of the most prominent political and spiritual trends of the 20th century and prepares GPS. Peacemaking involves a myriad of spontaneous anti-war actions, as well as countless number of private and rigidly fragmented peacemaking institutions, public organizations, ideas and researches in various fields, accumulated over more than one hundred years. Metaphorically speaking, these achievements resemble a chaotic pile of old and almost useless bricks today, of which it is impossible to construct a building global peace, because it is no foundation, frame and actors/builders. GPS is intended to create and open them to give old peacekeeping bricks a new life and revive them in a new way in the new paradigm. Therefore, GPS no waives from former peacekeeping achievements but creates conditions for them rebirth, finding them a system place in the theoretical and practical architecture of global peace.

On the other hand, t - peacemaking, for more than a hundred years of existence, was unable to prevent or stop at least one war and reverse the growth of a militaristic tendency in the world. It is an obvious fact, which casts doubt on the peace movement capacity, its good for peace, its reality and the possibility to achieve its purpose at least in any historical perspective. The militarist trend in the world, along with the growth of military budgets and the arms race, has been steadily expanding and enhanced contrary to all peacekeeping efforts, more and more threatening military annihilation of humanity. People, nations and governments do not see in t - peacemaking ideas and tools that can reverse the militaristic trend and ensure humanity to build global peace. None of the peacemaking classics, the concepts some of which are discussed in other chapters of GPS, did create a scientific theory of global peace, which could consolidate their countless private achievements. The traditional peace thinking, for the most part, has degenerated into a "game of beads" of thin intellectuals, who has no effect on the real life with its wars and armed conflicts.

Devoid of a consolidating idea/theory/concept/science t - peacemaking degenerates not only spiritually but also as a practical peace movement that actually died except for a few still operating his last of the Mohicans, funded by the rich persons. All of the above - it is objective evidence of degradation of t - peacemaking that is felt by world civil society and all honest thinkers and scientists. The new age need a new theory and practice of peacemaking.

The GPS formation is a scientific attempt to answer this historical challenge of the new century. This attempt cannot be successful within the countless repetition of traditional peacekeeping ideas of any quality, level and scale. It can be successful and hopeful within a fundamentally new ideas and theoretical approaches, i.e. only as a scientific revolution of peace thinking and scientific breakthrough in social cognition that is expressed in the title and content of the GPS book [55]. Only such a scientific revolution will provide fundamentally innovative paradigm of global peace, consolidating all past peacekeeping achievements. GPS with its unique ideas of global harmony, SOCIONOME (social genome of peace from harmony) and SPERONS, harmonious spherical classes of the population as natural sources and spontaneous actors of global peace - this is the first in history of peacemaking sample such scientific innovation and revolutionary paradigm.

Naturally, its creation cannot be easy, simple and smooth, without a struggle and suppression that is well illustrated by Glenn Martin's negative letter as his complete negation of GPS and powerlessness to

oppose it worthy scientific alternative. Why t-peacemakers reject peace – it is a special issue involving the main nerve of t - peacemaking degradation, which is discussed in this and other paragraphs of GPS. Of course, Glen’s letter is a slight but representative in scientific and ethical terms public demonstration of called degradation, which will be supplemented by other similar examples in the critical part of GPS. Here and now we will analysis the title letter on the basis of outlined above methodological platform of GPS relationship to t - peacemaking.

Glen Martin, PhD is the famous American philosopher and author of many books and articles, the leader of several public organizations engaged in promotion of the Earth Constitution and the Chair of Peace Studies at Redford University (www.radford.edu/gmartin). Glen cooperates with GHA since 2010 and has co-authored several GHA books and projects (http://peacefromharmony.org/?cat=en_c&key=428). Below we publish his critical letter of May 28, 2014 for the GPS first two chapters [55]. The first of these chapters is devoted to logic and theory of SPHERONS - harmonious spherulic classes of the population as a natural source of global peace, the theory of which is the core of GPS, and the second - their statistical empirical proof, which is minimal but sufficient. As we know, the theory and empirical basis are two necessary and sufficient foundations of any science, including GPS. To reject any science, it is necessary to logically destroy its theory and contrast it the refuting facts. Below we analyze how Glen Martin solved this task of denial/suppression of GPS in his “critical” writing. To facilitate the analysis of this letter, it was divided into 20 numbered logical fragments below.

Glen Martin’s letter on May 28, 2014

Dear Leo,

(1)I wish you the best of luck with this book and promoting global peace science. (2)But as someone who has been Chairperson for many years of a program in peace studies at this university, I have to say that GPS is not a panacea for world peace and it is very unlikely that the placing it at the beginning of this book is going to somehow make thoughtful and informed people subscribe to it.

(3)As I wrote to you earlier (which resulted you’re your removing me as co-editor of the book), none of the major themes that characterize the worldwide movement in peace studies appears in GPS. (4)There is no consideration of the vast contributions to understanding the violent dynamics of our world made by Max Weber, Immanuel Wallerstein, Jürgen Habermas, and others. There is no consideration of the global ethics movement and the great amount of work done on defining global ethics on behalf of peace. There is nothing about the theory and practice of nonviolence and the vast amount of work coming from the inspirations of Gandhi, King, Tolstoy, etc.

Nor is there anything about the worldwide movement for the study and practice of nonviolent communication led by Marshall Rosenberg and others. There is nothing substantive about the role of capitalism in the promotion of war, a literature spearheaded by Marx and continued by many others. There is no analysis of totalitarianism, its forms and roles in war and violence, and the literature on that subject, led, for example, by Hannah Arendt. There is nothing about the vast literature on human rights and human dignity and its contributions to creating peace and harmony. Nor is there anything about the ethics of care and compassion and the literature around that theme. (5)What are all these scholars, working in all these fields, going to think about GPS? I doubt very much if they are going to drop their own substantial work and flock to GPS.

(6)Regarding GPS itself, it is not clear to me how the four societal spheres can be effectively and properly differentiated or what value it would be to approach society this way. Each set of social information? { C-? These are the defects in Glen’s letter} humanitarian, instrumental (informational), organizational, and technical would seem to apply to all the spheres. I can see gathering specific information for selective purposes defined by certain spheres, but how this contributes to peace is not apparent to me.

(7)One can appreciate that these four functions are essential to society (humanitarian, informational, organizational, and technical), but recognizing this appears to me to be merely a descriptive feature of the interrelation of these. However, I do not see these as classes of people (8)but as functions that are often the domain of any one person: for example, I personally have humanitarian functions, informational functions, organizational functions and technical functions? {C-?} as do many other people. (9)This categorization appears somewhat arbitrary and limited in its usefulness.

(10)Nor do I see how study of these functions is going to lead to harmony or peace. Historically society both nationally and internationally has been involved with much conflict, war, and violence. I do not see any prescription here for changing things in ways that would promote peace. (11)Like the famous case of

Adolph Eichmann, I may appear to have benign technical, organizational, etc., functions, but I am still part of a social machine dedicated to war, violence, and genocide.

(12)I can perhaps see how the sociology with multivariable and dimensions would be a good place for dialogue among social scientists and other thinkers. But how is this going to get the world to peace? What if my technical job is building nuclear weapons? Am I in “disharmony” with something? I do not see how the words “disbalance” or “disproportion” (that appear many times) are illuminating as to how we can achieve peace. (13)According to the definitions in the chapter, I could apparently be building weapons while in a state of social harmony.

(14)Neither do I find analysis of the institutions and motivations usually associated with war and violence: I do not find any mention of multinational corporations, systems of exploitation, industrial-military complexes, militarized sovereign national security states, terror and counter-terror, undemocratic structures of governing, motives for imperialism, patterns of hate, fear, and ignorance, etc.? {C-?} things that are most often taken as causes of war and impediments to be overcome through a process of both dialogue as well as structural changes. What am I missing here?

(15)And as I said above, neither do I see mention of the positive things that are usually associated with the establishing of peace: conflict resolution, authentic democratic modes of governing, economic conversion to peaceful goods and services, dialogue directed toward mutual understanding, nonviolence in theory and practice, nonviolent forms of communication, economic and social justice, truth and reconciliation processes, respect for human rights and human dignity, etc.

(16)In the literature of peace studies, analyses are often divided into structural dimensions (economic, social, and political systems that may support either war or peace) and psycho-social dimensions (people’s fears, emotions, moral convictions, attitudes, etc.). How does Tetrasociology address transformation in each of these areas? Just collecting data is not going to create peace. What are the ethical, structural, social, and psychological characteristics of a world peace system (as opposed to the present war-system)? In these chapters, I see the word “harmony” appear over and over again, but its usage appears so vague and general that I do not see how it seriously addresses any of the above issues.

(17)As I said above, I wish you the best of luck with this, but I do not think that GPS supplies any hitherto undiscovered secret about how to create peace in a complex world. (18)I am willing to bet that many people contributing papers to this volume have much to say that is ignored by HITM. And I do not think it will not help the cause of peace if we fool ourselves into thinking we have a magic bullet.

(19)My best harmony wishes to you and all the authors of this book. (20)We all sincerely want peace, but in the quest for peace and harmony we also must also remain faithful to truth, intellectual integrity, and the tradition of quality scholarship upon whose shoulders all peace researchers build.

Dr. Glen T. Martin

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In accordance with the world's scientific ethic/culture, **our analysis consists of two parts: 1. Definition of positive importance of this letter and 2. Critical part.** Unfortunately, this ethic/culture is rejected in Glen’s letter because it is a complete, 100% denial of GPS. He does not find it any positive thing. An interesting question arises: that can be positive in full negation? We try to answer this difficult question, the essence of which is that deployed denial is indirectly (i.e. besides the author’s purpose and understanding) significant and instructive in some aspects.

The indirect positive meaning of Glen’s letter for GPS is as follows:

1. This letter expresses the internal contradictions of the GHA in the process of creating the world’s first GPS, in which Glen participated with the beginning, with *the ABC Harmony* of 2011/12 [56], where the GPS philosophical sources and scientific roots are. Therefore, this letter is a good indicator of the intense atmosphere of creative contradictions, obstacles, doubts, anguishes and searches, in which it is born. It is within the GHA. But in the external environment, this atmosphere for GPS will be a thousand times more intense and complex, facing with a dominant militarism and his hawks.

2. This is the first philosophical criticism of GPS; more precisely, the first two chapters (only 83 pages). In this criticism the author expressed his ideological doubt in GPS. Glen’s criticism indirectly, besides his

will, helps us and all to better understand the GPS preferences and its weaknesses and defects, which require more attention from its coauthors.

3. This criticism indirectly (other than the author's desire) sharpens for GPS the old philosophical problem of military/peace nature of man and humanity, which has key theoretical importance in GPS and scientifically solved it.

4. The main positive point of this letter is that it clearly illustrates (besides the author's will and consciousness) the degradation of traditional peacemaking, unable to contrast GPS the new positive alternative, impotent in the ideological war against the scientific revolution of peace thinking in GPS and ability to defend only their own private old achievements that limited his horizon. Therefore we, the GHA, should thank Glen for his criticism in these positive, even though indirect, regardless to his intentions, consequences for GPS.

Critical part. We must start with a reminder of two things:

1. The GPS contents include 12 chapters (along with military part), of which we wrote at this moment only the first two. These chapters are the key theoretically and empirically, but they are only one sixth of GPS as a whole. Therefore, to judge it as a whole will be correct when will be presented all of its chapters. Unfortunately, Glen judges GPS as a whole only by its two chapters of the twelve. It makes his criticism inadequate subject.

2. We started with GPS since March 2013. Glen took in it an active part in various roles, has agreed to be the editor and to write for it big section: "**The Earth Constitution of Global Peace**" and appreciated the social importance of GPS and Tetrasociology. For example, he wrote about me and GPS in February 2014:

I am amazed at your energy and persistence in developing this work of world peace, and I congratulate you on it. 02/02/14.

I think the subtitle that you propose for the GPS book (with including in it "The Earth Constitution" and in GPS the Glen's Section with this title on 50 pages) is fine.... I think your work on Tetrasociology (TS) should come first in the book, and it should be free to make the claim that all theoretical approaches to peace are subsumed within this approach and therefore it proposes to call itself "global peace science"... We want to promote both TS and the Earth Constitution as much as we can.... we need to maintain the objectivity that sees GPS as encompassing the application to all domains of relevant human knowledge to the study of peace. 03/02/14.

They are the wonderful ideas and evaluations of GPS, which he had so much more and which we do not find today.

But the main and highest grade of Tetrasociology, which is the theoretical basis of GPS and *the ABC of Harmony*, Glen gave in this book in 2012, defining it as "**our new planetary paradigm, the fundamental revolution in science and paradigm shift in human consciousness**" [56, 296]. What we, the GHA members, now must believe: that Glen wrote in his letter now or what he has said many times for three months before and earlier? For GPS he has not found now any positive word. In short, Glen-traditionalist suppressed and defeated Glen-innovator.

The answer on the question: why Glen turned from supporter of GPS into its opponent, we can find, first of all, in his dismissal of the second editor role in GPS book. This, in turn, has some other organizational reasons, including his refusal to donate even one dollar for peace. Now we will consider the 20 logical fragments of his writing.

(1) Is it possible to be sincere, wishing good luck GPS, which you have declared war and completely reject? It is a paradox, as a wish of good luck from the executioner mouth to the victim. Can GHA trust false wishes? Glen himself hesitates to call them "sincere" at the beginning and at the end of his letter. It's just a mask of politeness.

(2) God gave man for all his/her affairs a panacea of mind, one of the highest manifestations of which is science; therefore GPS is a panacea for humanity from wars. Reject this panacea of peace, it means to reject a **panacea against war** and then allow the eternal and ineradicable existence of wars. It is recognized by the militarists claiming the military nature of human. If so, peacemaking is meaningless and turns into an element of culture of war, not peace, as now. Then it leads to self-denial and becomes excuse militarism. This is its degeneration and collapse. Peacemaking with a similar rod never achieves peace. We, GHA, contrary, recognize the peaceful nature of human that Tetrasociology explains scientifically, in particular, in *the ABC of Harmony*. Therefore, we consider the GPS, along with other conditions, which are defined by it, really as a **panacea of peace against war**. This is a crucial way to eradicate all wars and transform

the human history of military in peace. Why this intellectual possibility should scare thinking people? On the contrary, it will bring them, if they want peace. It will only scare militarists even masked peacekeepers.

You here well oppose yourself as Chairperson of a program in peace studies at Radford University to fundamentally new GPS, which from the beginning has positioned itself as an innovative/revolutionary approach to peace. Why are you now demonstrate your aggression against GPS scientific revolution in social knowledge, in sociology and statistics primarily? Why you, peacemaker, are not trying to cooperate with it peacefully and friendly, preferring to fight with it?

(3) You obviously have forgotten that almost a year ago, we defined our GPS as a scientific revolution associated with a fundamentally new paradigm of peace and peace thinking. Therefore, this paradigm is the main subject of analysis in GPS and long known issues of t-peacemaking, about which are written millions of books and articles for a hundred years and which are not excluded from the GPS are considered in it only as necessary in its later chapters. Consequently, we can hardly be considered this remark as correct.

(4) Here you painstakingly enumerate about a dozen missing, on your opinion, themes in GPS and the same number of authors and then as many again from traditional peacemaking repertoire. So half of your letter constitutes the reproaches of GPS what lacks in it. I could still add them twice. The pretension to grasp the immensity is non-scientific, especially in a small book of 200-300 pages. We are sure this is not scientific criticism and primitive attempt to smear. In this piece of your writing, as we feel, you list themes of your semester lecture course for students, which you are reading, probably 30 years old, and want that GPS was its copy. But GPS will never be this copy in principle, because such courses are taught more than 100 years but they did not stop and did not prevent any of the hundreds of wars, with more than 200 million victims in the 20th century. Aggressiveness of the U.S., the main warlord in the world since 1945, with Hiroshima and Nagasaki, from your lectures and the like is not reduced, it is constantly growing. You propose to continue this peacekeeping comedy another 100 years, when will be a third world war, and if it will not be last, will be the fourth world war and so on to infinity in the fun of peace professors. We, GHA, do not wish to participate in this senseless and immoral peacemaking farce and intend to radically change the peacekeeping theater repertoire. You do not want to change it, we change it. This is our disharmony and distance. Already on page 3 of the GPS first chapter is a list of 40 thinkers of new repertoire, most of which you do not have. In other chapters of GPS they are complemented by new dozens of researchers.

We aim to create a fundamentally new, authentically scientific and holistic approach to global peace, which is missing and in which will find worthy place all the achievements of traditional research of peace. You do not see that there is in GPS and see what is not there. What do you call this method? This is not a criticism but a method of psychological violence and mental suppression in the ideological war to discredit and moral destroy the opponent with his innovative ideas, constituting the scientific revolution, what you do with GPS. Such methods are beyond the realm of science and ethics. Scientific and ethical criticism has to do with what is, not with what is not. You do not see and completely neglect analysis of the GPS key ideas, which are absent in t – peacemaking: theory of global peace from social harmony, SOCIONOME – social genome of peace from harmony, and SPHERONS, harmonious spherical classes of the population as eternal sources, causes, actors and guarantors of global peace. You say nothing about them. You ignore them. You neglects these ideas as if they do not exist, rejecting them on 100%. What's it called? As anything, but it is not a scientific and ethical criticism. How would you rate similar attitude to your Constitution? Incidentally, advising Marshall Rosenberg, you have violated the four rules of its non-violent communication, suppressing ignoring all the GPS key ideas. GHA develops these ideas 10 years. How GHA members can evaluate your denial of these ideas? This is a rhetorical question.

So, resume. The half of your letter is empty list of what is missing in the GPS and the other half is the purely negative judgments about GPS devoid of logic, facts, and positive alternative. And then, and more is outside of a scientific and constructive criticism. Therefore, your letter as a whole - it's just your personal opinion (doxa) of propagandist nature devoid of any scientific and peace value. We do not find in your letter any specific thoughts useful for GPS. It is destructive, hostile and negative criticism. This is your ideological war with GPS. Ignoring the main scientific, empirical argument in GPS (the second chapter) - its statistical facts, you behave like Hegel, who said: if the facts do not coincide with my theory it is much worse for the facts.

(5) Think for others is very dangerous, because it means to deprive their own opinions that do totalitarians. Doubt for others is also a sin. You cannot answer for everyone. Why do scientists have to throw their studies when they can do them multiple times more efficient and most importantly – useful

within GPS, which is open to all, without exception peacekeeping achievements of all sizes. GPS is created not instead of them and in addition to them to consolidate them, to strengthen their role and raise their practical value. The true scientists who are not afraid of innovative ideas will only welcome such a new opportunity for their research and would be willing to cooperate with GPS. Of course, if they are not biased a priori negative attitude towards GPS, like Glenn, who has reason to be offended.

(6) If you have not read *the ABC of harmony* and GPS first chapter where it explains then that's your problem. In addition, you could read the introduction to Marx's German Ideology, Max Weber, Parsons, Braudel, Toffler, Bourdieu, Castells and others who explore the fundamental role of this structure in society, including for peace. Peace is a social phenomenon, the reasons of which are in the structures of society and structural harmony. Misunderstanding this main social idea is an indicator of intellectual degradation of t - peacemaking, which says about all, except the main - structural harmony of society as the ultimate source of peace. Here is the cause of your incompetent questions about the information, educate in which you have no place in critical analysis. Please, read *the ABC of Harmony*.

(7) Rejecting the structure of functions and analysis of their role, you reject the whole direction in classical sociology, which I fully share and use in GPS. Every science recognizes the structural and functional analysis as the own fundamental base, which covers the deep laws of relationship of structures and functions. Such for society are four spheres of production and four classes of people (SPHERONS) who are employed in these spheres by the production function of the necessary resources PIOT, without which there can be no society and no individual in history. You do not understand it and want to humiliate GPS, so you qualify their "merely a descriptive." Therefore, you do not see these functions as "classes of people." Maybe you do not see the functions of the capitalists and proletarians, feudal lords and peasants, slaves and free, and the like as classes of people? Any group of people is a definite social function. This is the ABC of sociology and philosophy. Why you do not know it?

(8) Yes, everyone human has these universal functions, so each one is employed in each of the four spheres but, for the most part, he/she spends his time on one of them, which likes for she/he more and to which the person has been prepared. Therefore, the person belongs mostly (on time) to one of four SPHERONS. Human freedom is only in the choice of one of four objective spheral functions as a major for himself but he is powerless to cancel them or create new spheral function. He/she can only create a new partial function within them.

(9) This your conclusion is just another attempt to unduly diminish the GPS and thereby humiliate it. This and similar classifications of spheres are recognized dozens of prominent scientists, starting with Marx but they lack the division of population in these spheres, which was first proposed and statistically (empirically) is proved in Tetrasociology. Therefore, it is an objective, scientific and useful in the highest degree. Your conclusion is devoid of any scientific basis, both theoretical and empirical. It is empty and meaningless words.

(10) If you do not understand the essence of these social functions and their value in society, then, of course, you cannot understand how they can "lead to harmony or peace" and to see any peace "prescriptions". If these features are important in society, they are essential for social harmony, peace, justice and for generating corresponding prescriptions. We have proved this in the first chapter of GPS. Please, read it. I can only regret that you cannot comprehend these simple and obvious ideas of GPS. Your mind is focused only on the psychological understanding of peace but its key causes lie in the social structural level that is confirmed by all the conflicts and wars of our time. We can only wonder at your social incomprehension.

(11) Thank God, you are not Eichmann. But your example illustrates only elementary contradictory of human who in different social structures reveals either good or bad, including militaristic tendencies and nothing more.

(12) You're right, **sociology has not yet become "a good place" for peace dialogue**. Among its more than 120 disparate branches it has sociology of war but no peace sociology. This is explained by the narrowness of sociology, which is not available social wholeness, in which are rooted the origins of global peace. Peace on Earth can only be global, for all countries and peoples and not for some. Therefore, GPS is founded on fundamentally new, global and harmonious multi-dimensional (pluralistic) Tetrasociology that develops me about 40 years. It is based on the synthesis of tens of sociological concepts of the past, including Marx, Weber, Wallerstein, Habermas, and unknown to you Braudel, Sorokin, Parsons, Bourdieu, Toffler, Castells and many others in my dozens of books and articles. Why do you ignore this sociology

that underlies GPS as well as *the ABC of Harmony*, one of the authors of which you are and which you appreciated and praised as "*our new planetary paradigm, the fundamental revolution in science and paradigm shift human consciousness*" [3, 298]? Where in your neglect of GPS is "non-violent communication" of Rosenberg, who saw this communication and life as a whole in harmony? He called people: "**create your life, your relationships, and your world in harmony with your values**"[57]. You like Rosenberg, but reject harmony in your lectures and in your conference, so with it you reject non-violent communication, which work for peace.

Your questions here correspond to the GPS first two chapters, which I cannot repeat to you. Please, read them.

I also do not see how your Constitution, which you often mention, can provide peace in militaristic ocean without its peaceful transformation, restructuring and without global actors of peace, i.e. without SPHERONS? This is legal utopia as at Kant, who proposed it more 200 years ago but humanity is now also far from it. Everyone can see that conscious global peace was unattainable in traditional partial structures in the entire past history. Therefore, your Constitution, if it wants to ensure global peace must be based on a fundamentally new, universal and eternal social structure of SPHERONS, which is disclosed in GPS. Your Constitution may be excellent in legal terms but it's no good socially deprived the new social structure in sociology and statistics, without which it is unlikely will be recognized by scientists and politicians.

I suggested you to repair this deep defect of your Constitution through Tetrasociology but you refused, because it requires your new education. Toffler wrote: "*In the 21st century an illiterate is longer no considered who cannot read and write but those who cannot learn and relearn.*" We invite you to learn and relearn in Tetrasociology as a science of social harmony and world peace, which has a strong theoretical and empirical basis. But you have chosen a random social structure 11 sectors of Barbara Hubbard [5]. We found no the traces of its theoretical and empirical foundation and you keep them secret. This structure is a purely arbitrary set of concepts, which is devoid of the following important social elements and attributes: society and people, politics and finance, democracy and power, harmony and disharmony, resources and processes, human and family, nations and classes and so on. This full of holes structure is well exhausted and supplemented in four spheres of GPS at solid scientific foundation, partially presented in its first two chapters. But you chose instead it holey structure of sectors. Why? Obviously, your choice is determined by nonscientific motives of GPS suppression.

(13) In the state of conscious global social harmony, you, like anyone else, do not have to create weapons and equip the army, because in this state will be achieved general and complete disarmament.

(14) Your first sentence in this passage exposes you that you did not read carefully even the GPS contents and introduction, which clearly states that to the analysis of war, military science and military-industrial complex will dedicate the second part of the book, which we have not reached still. You are looking at a substantial pioneering book the traditional details. This is equivalent to finding pieces of horse carriage in a modern car. These parts are wheels, springs, control, seats. They present but in a whole new way. Similarly is with GPS. In addition, you should understand: we cannot and does not aim to cover an infinite number of elements of peace-building, or at least those that you list. To illuminate them, we need to write ten books and ten years, at least. To what you doom us? We understand: to kill GPS.

(15) Again, the list of what is missing in two chapters of GPS. Why you do not touch their main ideas? About which we do not find you a single word? What can we say about your qualification and intentions, if you do not affect them? In your student program too many are not. For example, you no mention and explain the great islands of peace in history, such as Numa Pompilius, Ashoka, 300 years peace of the Iroquois peoples, etc., as well as analysis of the ideas of universal harmony, generating peace, in Vedas of ancient India, in Avesta of ancient Persia, in Plato's ideal state, in the writings of Aristotle, St. Augustine, Farabi, in numerous treatises of "Eternal Peace", etc. Without GPS you are powerless to understand, analyze and explain them to your students.

(16) It is again unlettered question, the answer to which you could find in GPS two chapters – please, read them. Surprisingly, as a philosophy professor, peacemaker, coauthor of *the ABC of Harmony*, which was written in the GHA almost during full 2011 year with Glenn's participation, who praised it as "*our new planetary paradigm and fundamental scientific revolution*" may not know now what is social harmony and remain ignorant in its understanding as the sole source and cause of peace? It is obviously one of two things: either his participation in *the ABC* was formal and false or he now thickens negative paints in his letter. What is his dynamics? This is Glen's paradox for the GHA members. What we must believe and trust: that he wrote about harmony in *the ABC* or the fact that he wrote about it in a letter now? Moreover, in a recent

Glen's prospect of his next year's conference in Radford University on "Building the New World and Planetary Peace" he never uses the concept of harmony [58]! Amazing! As if he is not a co-author of *the ABC of harmony* with the most flattering review about it! In his article in *the ABC* says that he "**understands that freedom, peace, justice and prosperity primarily arise from ... harmonious institutions**", i.e. of social harmony; and his Constitution "*establishes a dynamic peace system for the Earth from social harmony*" [56, p.108 -109]. Here, in his short two-page article the concept of harmony and its derivatives appear 14 times! How then can you talk about the lack of understanding harmony and expose its ostracism now?

What is the reason? Is it in true ignorance of harmony or in the intentional ideological suppression of it? What should think the GHA members and 75 co-authors of *the ABC* about the sincerity of our colleague in this graceless case? Or he hopes that we do not remember anything? That he disavows today? Excluding the harmony of his conference, we can understand that he disavows today.

(17) Of course, for you GPS, and with it global peace and its cause, remain secret because you have not read its first chapters. We have seen that you nothing else read in the first chapters of GPS of their 83 pages except preamble (the first 12 pages). Now I doubt even in your ability to read. You have not touched the key ideas of GPS: as Russian fable says - he saw lots of insects but did not notice the elephant. This can hardly be called a honest and fair criticism. You ignore the most important facts of GPS - its second chapter (43 pages), entirely devoted to statistical proof of SPHERONS, about which (proof) **we do not find a single word in your letter**. Only a circus conjurer can reject science without touching any of its fact. Therefore, the scientific value of your criticism is zero, and as such it represents a degradation of your peacemaking. This is a suppression of freedom of thought and dissent. Your letter is devoid of honest scientific criticism.

(18). Your charges do not have any examples. Whom and what GPS ignores, when our principled position is to consolidate and preserve all peace achievements? This is pure slander. With who are you "willing to bet"? WHO would bet with you? Who whom is deceiving and who whom is helping? Maybe you are cheating us and helping warlords instead peacekeepers? Leave this political theme.

(19) Your wishes to us sound like the wishes of destruction of our GPS. See also (1).

(20) Your destructive criticism of GPS, not leaving it anyone chance of life, forcing us to doubt in the sincerity of your wish for peace. Can we trust your sincerity to wish peace when you reject its science - GPS? **The true and sincere peacemakers are solidary with any scientific step towards peace**. You stopped and suppressed the GHA scientific step to global peace contrary "*faithful to truth, intellectual integrity, and the tradition of quality scholarship*", which were trampled in your destructive criticism. This showed our scrupulous scientific analysis of each phrase of your letter.

The only thing we can assume is that you wrote your murderous criticism in a bad mood and terrible time trouble, which allowed you to quick look only the first 10 pages from the 83 in two GPS chapters. (Otherwise we cannot explain the fact that you have supported us 3 years and here turned around 180 degrees at once). So your criticism turned unfriendly, empty and superficial. We invite you to write slowly, according "*faithful to truth, intellectual integrity, and the tradition of quality scholarship*" **constructive** criticism of key ideas and facts GPS: hypothesis of social harmony, spherical structures and functions united in SOCIONOME, spherical employment, spherical classes of the population (SPHERONS) as global social structure of peace, statistical empirical researches of Russia SPHERONS and five schools from five countries: Algeria, Argentina, India, Russia and Rwanda, etc. Please, prove to us that you are able to not only destructive but also constructive criticism. We will be happy to publish it in the GPS book, like any other scientific criticism.

We also will publish your letter and our response to it in the book and on the website. Are you able to publish these texts at least on your website for your students and your conference participants, to revive and to inspire them through scientific revolution of GPS at least in its criticism? Could you ruin our doubts on this score?

In conclusion, as a consequence of the long ideological war with the scientific revolution of Tetrasociology, I must emphasize my position of dissident in the West and in Russia. Marxists in Russia criticized and persecuted me since 1976 and still for the refusal from monistic Marxist theory of classes and class struggle, for its replacement by pluralist theory of harmonious spherical classes of the population - SPHERONS paradigm [59]. I am criticized in the West since 2002, starting with my first and a key book in English for the World Congress of Sociology in Brisbane, Australia [60] for the refusal from the traditional social thinking, limited by narrow branch concepts of industrial society and its replacement with a holistic social science of global Harmony - SOCIONOME paradigm or social genome. In both I was a

dissident for my alternative thinking. **But for the West I am dissident as Russian (not Anglo-Saxon) author of fundamentally new holistic social science of global harmony** (my dissent confirmed and Glen), and for Russia I am dissident as author alternative to monistic Marxism the harmonious pluralistic worldview freed from the ideas of violent revolutions and wars. Both paradigms also constitute a scientific revolution of GPS, which is derived from Tetrasociology and in which it continues and develops.

As proved by Thomas Kuhn, the scientific revolutions are inevitable, necessary and unstoppable, each of them meets a stubborn resistance but sooner or later wins [61] Only in the way of the scientific revolution of GPS is possible update of social history in a harmonious civilization and global peace. But GPS must overcome the resistance of the ideological war, initiated by the Glen Martin at the beginning of formation and output in light of GPS. **Peace science is born into the war.** It's a fact of disharmonious society. This is normal for it. This is the reality with all its attendant consequences, including hostility to knowledge of global peace. This is a deep disharmony of modern dying industrial civilization, overcoming of which is the historical challenge of the 21st century and mission of GHA.

Dr. Leo Semashko, GHA President, GPS Initiator and Editor (06/06/14)

6. Traditional Peacemaking: Subjectivism, Weakness and Inability to Prevent a Third World War. Peacemaking 1914–2014: One Hundred Years of Defeats and Degradation. *Leo Semashko*

Peacemaking mountain of the US military Empire gave birth to peace mouse for Pentagon's cat.

GHA

This article is a brief overview conclusion of the fourth chapter. In it were published the articles analyzing the main achievements and shortcomings of traditional peacemaking. For 10 years of the GHA searches, none of its members could not write an article summarizing the achievements and shortcomings of peacemaking in the past century with a list of its achievements and contributions to global peace, nor recommend anything like that of the world's peacemaking archive during this time. We will try at least in minimal degree to fill this gap.

Pacifism as opposition to the war and violence by peaceful means and their moral condemnation is the earliest peaceful movement, whose origins are rooted in the Indian religion of Jainism, which denied any war. The pacifist organizations in the West first emerged after the Napoleonic Wars, reaching a wider distribution in the 19th century end, in Russia in the form of "Tolstoystvo". The pacifists proposed ban war, all the conflicts between the states decide into international arbitration courts, to conduct a full disarmament and military obligations to replace civil alternative. We will not touch its multi-millennial history, limiting it to 20 century, in which he could not withstand the start of two world wars. Therefore, with all its moral virtues it was completely discredited because of its subjectivity, powerless against the war. Pacifism and its criticism have enormous literature, which requires a special analysis in a separate chapter in the following publications of GPS.

Of the thousands of peace organizations in the world, about 80% of whom are in the USA, briefly highlight the characteristics of a few of them.

One of the oldest organizations, in fact American, was founded in 1964, 50 years ago, is the **International Peace Research Association (IPRA)** [62]. IPRA unites twenty five research Commissions: Art and Peace, Conflict Resolution and Peace-Building, Development and Peace, Eastern Europe, Ecology and Peace, Forced Migration, Gender and Peace, Global Political Economy, Indigenous Peoples' Rights, Internal Conflicts, International Human Rights, Nonviolence, Peace Culture and Communications, Peace Education, Peace History, Peace Journalism, Peace Movements, Peace Negotiations and Mediation, Peace Theories, Reconciliation and Transitional Justice, Religion and Peace, Security and Disarmament, Sport and Peace, Youth and Peace, Peace Tourism. It is a beautiful and broad peace themes! But what

is its result? – War and violence are preserved, the world has not become better and nothing has changed for real peace.

IPRA avoids the terms "science", "scientific research", "scientific definition of peace" and the like, obviously not counting possible to recognize their researches as scientific. Then what are these studies? Obviously therefore, we do not find scientific, generally accepted in the IPRA, the definition of "peace." We do not find also a list of the achievements and contributions of IPRA in global peace for 50 years of its work. The only thing that we found to their website is a list of 24 conferences for 50 years. Is it possible to achieve peace by the conferences? What is the meaning and result of IPRA in 50 years? These questions remain unanswered.

The Peace Theories Commission generalized that it and IPRA "focuses on those philosophies of peace that may contribute to undermining the ideologies of war and conflict. We are particularly interested in bringing together scholars from different cultural and spiritual viewpoints in the search for common paradigms of peace thinking **beyond the paranoias of competing world-views**"[63]. Unfortunately, this paranoia remained insuperable in the INRA and peacekeeping as a whole, and the GHA invitation to participate in the creation of "general paradigm of peace thinking" within GPS has been ignored, as well as all other (about 150) organizations to which we referred. Obviously, IPRA and other had nothing to offer in GPS.

International Peace Research Institute, Oslo (PRIO) [64]. It was established in 1959 and "conducts research on the conditions for peaceful relations between states, groups and people." It also did not want to study global peace but only some of its conditions and details, as well as all other peacemaking organizations. It unites 15 research groups: Cities and Populations, Civilians in Conflict, Conflict Patterns, Environment, Gender, Governance, Humanitarianism, Law and Ethics, Media, Migration, Non-state Conflict Actors, Peacebuilding, Regions and Powers, Religion, Security.

What is the meaning and results of PRIO work for 55 years? What are the achievements and contributions to global peace? These questions also remain unanswered just as at IPRA and peacemaking in a whole. As we would not add up research groups, commissions, conferences and structures of organizations, we will never get from them any peace, as it happened in 100 years, and from them together – a holistic scientific picture of global peace, like the one offered by GPS. Peacemaking focuses on armed conflicts and violence and not to peace. But peace, as we know, is not reduced to the absence of armed conflicts and violence.

Peace Alliance [65]. **Peace Department in the Government of War???** Peace Alliance is the USA peacemaking organization, which promotes the idea to create a "Department of Peace" in the USA government. Congressman – Democrat Dennis Kucinich prepared still in 2001 a corresponding bill to the House of Representatives but it still did not budge. As it is written on the site: "*There is currently a bill before the U.S. House of Representatives to establish a United States Department of Peacebuilding. This historic measure will augment our current problem-solving options, providing practical, nonviolent solutions to the problems of domestic and international conflict. The legislation will pass from bill to law under one condition: that a wave of citizen interest rise up from the American people and make itself heard in the halls of Congress.*"

The contradiction between the militaristic Pentagon and this Department is supposed to solve very simple: 1 Limit this Department competence by "city, county, and state governments," leaving for the Pentagon foreign wars, and 2. Make this Department by division of the Pentagon to disguise its militarism: "*Support our military (Pentagon – L.S.) with complementary approaches to peacebuilding. Create and administer a U.S. Peace Academy, acting as a sister organization to the U.S. Military Academy*" [66]. It's hard to say what is more in this – stupidity connecting incompatible peace and Pentagon (fried ice!) or servile service to Pentagon in its peace disguise, like GPI! In any case, it is a fact of paranoia of American peacemaking and its

full intellectual and moral degeneration. Here can say: "**Peacemaking mountain of the US military Empire gave birth to peace mouse for Pentagon's cat.**"

Speaking without irony, this idea is a lot of skepticism: whether in the USA imperial government the Department of Peace along with the Pentagon? It sounds like a utopia of new century. But a certain sense it has provided transformation the USA militaristic government in a peaceful, which is possible only after the fall of the American Empire in 2020, as it predicted by Professor Galtung. On the other hand, devoid of a scientific peace theory this Department promises to discredit itself on the basis of the dominant subjectivity in peacemaking. It's a vicious circle and it's a dead end.

The subjective weakness of "Peace Alliance" peacemaking is clearly visible in its programmatic article of Matthew Albracht, Executive Vice President: "*The Leading Edge of Peace: Our Evolutionary Path Forward*"[67]. This title, expressing the article essence, is pointless as evolution cannot be *The Leading Edge of Peace!* For "Peace Alliance" the real leading edge of peace, as we have seen – is the Pentagon! The path of such an evolution of peacemaking – is the way of unimpeded continuation of the war, ongoing centuries. Such peacemaking is not able to think ahead of anything but war – it is its "evolution". This is a poverty of peacekeeping thinking in the richest and most militaristic empire of the world! And this is natural, because of its full intellectual impotence in the scientific understanding of peace, in its subjectivity and absolute practical weakness before the war. Therefore, farther declarations, petitions and endless begging donations all at all, which no one does not give anyone, like peacemaking does not go.

Sarajevo 2014. "Peace Event: June, 6–9, 2014, Sarajevo. The biggest international Peace Event 2014 – 100 years after World War I." Its main slogan is: "Come and join us! Let us transform a World of Wars and violence into a Culture of Peace, Nonviolence & Justice!" [68]. The strange things are here. 1. WHY the beginning of World War I is included into the rank of peaceful events? Can now be the peacemakers are celebrating as a peaceful event the beginning of ANY war? Of course, this is progress far back from peace! 2. The calls to transform the war into peace are wonderful. They sound 100 years and all the time not a single war was transformed into peace. At peacemakers nothing has changed in 100 years. They do not learn from their sad historical experience, they ignore it and have not shown for 100 years the ability to develop radically.

Summary. This kind of facts are endless. Their essence is the same – in the subjectivity of peacemaking, its endless weakness and before wars and in the face of almost complete degradation for the past 100 years with very rare exceptions. During this time in fact it went no further the good subjective wishes: "Let's not kill each other", "Let's not fight," "Let us live in peace," "Let us turn the war into peace" and the like, devoid of any understanding of objective nature and scientific approach to the causes of peace.

How can you call the actions, which more than 100 years are fruitless? – They are meaningless in the long run! If wars, armed conflicts, military spending and the arms race continue and grow, what is the peace movement, trying to resist them? – It is meaningless in the long run! What are the benefits of this movement for peace? – It is very relative and minimal, close to zero! Who and where tried to determine the achievements and contributions of this movement in global peace? – It seems that if we are not mistaken, no one anywhere! While this should be the banner of peacemaking as a whole and each peacemaking organization! The only sense that has peace movement – the moral and subjective forming an aversion to war and refusal from it but devoid the objective grounds and scientific theory they are infinitely weak.

As a result, within 100 years, under the sounds of sweet appeals to peace come to pass hundreds of wars with 200 million victims. The modern militarists, like last, also listen them and fight and forge weapons for new wars. In contrast to the two World Wars, which were prepared

and started for years, a third world war (WW3) is now fully prepared and will begin within 5–10 minutes. What can the existing peacekeeping oppose to WW3? How would it bitterly and sadly did not was, we must recognize that it cannot do **anything to oppose it**, because it remains at the level of 1914, and the war progressed intensively whole century and now it is ready to begin in 5 minutes. Therefore, traditional peacemaking degraded and **requires urgent revolutionary renewal**. The peacemaking crayfish is hopelessly behind for 100 years from the tank of war and it is hopelessly weak in front of it. The last century was the century of wars, therefore, the age of defeats and degradation of peacemaking, which was powerless against them.

The weakness and degradation of peacemaking in 100 years are explained by its subjectivity and "paranoia" of its infinite subjective approaches to peace. In peacemaking there is no objective basis for understanding peace and for its scientific definition, which makes it weak and powerless before the wars and pushes it to the way of "weak" peacemaking coming from Erasmus, in which peace always and everywhere remains by "expelled and battered" as he defined it. The only way to overcome the intellectual impotence of peacemaking, its exit from the impasse of subjectivism and degeneration and its revolutionary renewal offers GPS in paradigm of social genome of peace from harmony – in the paradigm of SOCIONOME and SPHERONS – actors, causes, sources and guarantors of global world (see the first chapter) .

The basis of all peace organizations are their intuition of eternal SPHERONS – only this can explain the existence of these organizations and their constant emergence within century. But their intuition of this objective but until the unknown and unrecognized source of peace – at everyone are their own, subjective. It is the main gnoseological source of the infinite set of subjective understanding of peace, alienated from each other peace organizations and ideologies that give rise to them "paranoia." The way out of it is only one – GPS based on an eternal objective source of global peace in human society, to what this book is dedicated.

Thus, **the revolution of peacemaking is in the following transitions:**

1. From subjectivity of traditional peacekeeping to recognition of objective SPHERONS, eternal harmonious spherical classes of the population as the sources, causes, actors and guarantors of global peace in GPS;
2. From the branch (partial and private) peaceful thinking to the spherical, holistic and integral thinking of the spheres in GPS;
3. From unscientific and subjective peace thinking to scientific and objective peace thinking in GPS;
4. From understanding war as source of peace: "If you want peace – prepare for war" to understanding harmony as source of peace: "If you want peace – create harmony" in GPS;
5. From misunderstanding main barrier of global peace – the American military empire to a clear realization of this fact in Prof. Galtung's corresponding theory with his prediction of its fall in 2020 this is fully recognized in GPS;
6. From traditional political, economic and cultural institutions of militaristic world order to the new political, economic and cultural institutions of global peace order based on GPS;
7. From the "paranoia" of competing partial peace visions and organizations to united harmonious diversity of the world peace movement on scientific basis of GPS and led the most peaceful and neutral countries.

Only in result of similar revolution in peacemaking, which was launched in the GHA since 2005 under motto "Peace from Harmony", determining the cause of peace in harmony, can hope that peacemaking will transform from weak to strong able to prevent a third world war and "**shift the arms race into a peace race**" (Martin Luther King Jr.). The alternative of this peacemaking revolution, made in GPS does not exist. The revolution of peacekeeping gives the start to scientific breakthrough of social cognition and social sciences, the stragglers more than one hundred years.

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SECTION 2. Global Peace Architecture. History Breakthrough

Chapter 5

Global Peace Laws. Global Nomology. *Leo Semashko*

1. Introduction

In the previous section we proved peaceful nature of the human and society, defined objective structure of this nature in a harmonious SPHERONS excluding war and ensuring global peace. Their universal existence was proved statistically. The constant intuition of SPHERONS at different historical figures and thinkers of peacemaking was illustrated. We disclosed the achievements, subjectivism and degeneration of traditional peacemaking for more than a century. The objectivity of SPHERONS as sources of global peace allowed determining a revolution of peacemaking thinking in spheral categories and scientific breakthrough of social cognition in GPS from private branches to universal holistic spheres and SPHERONS of social harmony, from which global peace is born. All these features make the Global Peace Science (GPS) architecture as an integral social scientific knowledge of global peace from harmony. The GPS historical meaning is a victory of peace over war. The actors of this victory are SPHERONS. The conditions of this victory expressed by Global Peace Laws (GPL), which define the architecture and world order of global peace.

In this section we will attempt to build the architecture of real global peace in the key spheral laws, principles, ways and institutions of its permanent sources and actors – SPHERONS based on its scientific knowledge – GPS. The laws, principles, ways and institutions of global peace constitute different levels of its architecture, so they separated and treated in different chapters. We must emphasize that the scope of science does not allow us to determine all the details of the future peaceful world order, so its architecture will be presented only in the framework of its laws, principles, ways and institutions in the generalized form. Its details are the task of the future, in fact, infinite, practical projections and private researches at all levels, for all regions and countries at different periods of the future history. The authors no any science, including GPS, are not able to do it and answer all the questions of the future.

The global peace architecture in its science begins with the formation and establishment of its laws. But to do this we need to clarify the terminology. GPS has subject, as defined in the first chapter, very large objective groups / classes of the population – SPHERONS as permanent and eternal peace actors at all levels. Global peace is completely determined and depends from SPHERONS. Therefore, the concept of "global peace laws" is identical to the concepts of "SPHERONS' laws of global peace", "global peace science laws", "spheral laws of global peace," and the like. But we confine ourselves to these four concepts. It is important to understand that the laws of global peace are the laws of SPHERONS, spheral laws, the laws of GPS, first discovered and defined precisely in this science, and nowhere else but based on the laws of SOCIONOME of "*The ABC of Harmony*" [1, 40–41]. Therefore, all of these definitions are identical, but they express these laws from different sides: from objective global peace as a whole, from its SPHERONS as actors, from its spheres presented in SOCIONOME and by his science – GPS. Of these, we distinguish two classification groups of GPS laws:

1. **General laws of SPHERONS** that apply everywhere and always in the social space and time, expressing their 16 attributes (see chap. 1) and
2. **Spheral laws of SPHERONS** (or, simply, spheral laws or GPS laws), which are always in the social space and time, but only within each individual sphere and its relationship with other spheres.

The titles and brief descriptions of these laws below create the outline of architecture of global peace, highlighting its necessary components and their basic qualities. All of the following laws, expressing the necessary infrastructure changes for future global peace, are subject in our consideration for a period of not less than 50 years, and practically – to the end of the XXI century because of their special complexity and unique novelty. Realistically, this unprecedented process extends to 3–4 generations of the XXI century, which will leave a beautiful memory to the future history by the transition to eternal peace centuries of human history, in contrast to the XX century as the most bloody and bellicose century of world history. The new century is a century of birth of the global peace and its laws of social harmony from the depths of its fundamental elements, expressed in SOCIONOME.

Scientific knowledge about the laws in all spheres of human activity called "global Nomology", which is part of the GPS. The term "Nomology" is defined as follows:

"Social sciences – philosophy, political science, sociology, theory of state and law, economics are studying their individual spheres of human activity. However, there is no science that studies of human activity as a complex organizational-production system, manifesting itself in all spheres of life. This science can be called Nomology" [2]. All the laws of society and its spheres are relevant to global peace as their integral state represented in SOCIONOME (see above), so it is logical to include the Nomology science in holistic GPS.

2. The General Laws of SPHERONS

The GPS general laws of SPHERONS are divided into logical, regardless of social space and time, and historical regarding world history.

2.1. Logical Laws of SPHERONS

1. **The Law of SPHERONS objectivity.** Human society and its history at the Earth for more than 40 thousand years is an objective reality. The same objective reality is four spheres of continuous production of necessary resources of PIOT and four SPHERONS engaged in these spheres. Reality and existence of SPHERONS do not depend on any subjective opinions about them, or from their ignorance of the people that is, in fact, until now.

2. **The Law of SPHERONS social eternity.** How much are the eternal human society and its four spheres of production of necessary resources, so SPHERONS are eternal.

3. **The Law of social universality of SPHERONS.** Any human society, even consisting of a minimum number of people – two people cannot exist without the four necessary resources, therefore, without the four spheres of their production and without four SPHERONS whose functions are divided between any number of people, even between the two.

4. **The Law of Social naturalness (social nature) of SPHERONS.** Human society, its spheres of production of the necessary resources and its SPHERONS not created as a result of conscious purposeful activity of people, and established by God and develop people as a result of spontaneous and very limited in space and time intuitive natural activity.

5. **The Law of equal social necessity of SPHERONS.** If human society cannot exist without at least one required PIOT resources, then it is unable to exist without at least one essential spheres of production and without at least one SPHERONS. Therefore, each SPHERONS, regardless of its size, which is constantly changing in one direction or another, is still necessary for society and the absence of at least one of them makes a society impossible.

6. **The Law of social sufficiency of SPHERONS.** If human society for its existence is sufficient the four necessary resources and their four spheres of production, it is enough four SPHERONS employed in these spheres.

7. **The Law of social harmony / coherence of SPHERONS.** Human society can exist only in a limited range of minimum and maximum agreed (proportionated) with each other spheres of production that determines the harmonious / coherent nature of their SPHERONS.

8. **The Law of Social SPHERONS universality (globality).** As far as global in all the attributes and dimensions are human society, its necessary resources PIOT and four spheres of their continuous production, so global (large-scale, comprehensive and holistic) are their SPHERONS.

9. **The Law of the global social structure of SPHERONS.** The deepest structures of PIOT resources and their spheres of production in human society determine the most profound social structure of the population in any social space and time – structure of SPHERONS.

10. **The Law of spherical employment, constituting SPHERONS.** Employment of people, in the broadest sense of this term, defines their life and coincides with it. The most scale form of employment, of which people do not go out from birth to death and changes its only in space and time is a spherical employment, i.e. employment in one of four spheres of production, which constitutes SPHERONS.

11. **The Law of SPHERONS as ultimate cause of global peace.** The cause of peace in human society can only be the people only those of their groups, which because of their objective status and their deep social structure are harmonious and exclusive war and violence between them. Such groups are only SPHERONS. So they are the ultimate cause of global peace at all levels of society.

12. **The Law of SPHERONS as actors of global peace.** Being the ultimate cause of global peace, SPHERONS as the only active resource of society, creating all resources, including itself, are also its actors or creators in all within the social space and time of human society.

13. **The Law of SPHERONS as sources of global peace.** Being the ultimate cause of global peace and its actors, SPHERONS simultaneously constitute its only source for all within the social space and time of human society.

14. **The Law of SPHERONS as guarantor of global peace.** As a final cause, actors and source of global peace, SPHERONS simultaneously constitute its only guarantor of all within the social space and time of human society.

15. **The Law of SPHERONS' spontaneity.** The first 40,000 years of human history, SPHERONS act spontaneously due to the underdevelopment of the necessary resources and their spheres of production, including weak and insufficient level of scientific social knowledge of these spheres, limited only their most evident and influential partial branches and related PARTONS. Self-awareness SPHERONS was intuitive. Therefore, this history was largely military and violent.

16. **The Law of SPHERONS' scientific consciousness.** In the era of globalization of human society, which began in the second half of the XX century, with the rapid development of many industries and their closer association in the spheres, there are objective reasons of social cognition of spheres of social production, their resources and employment in them SPHERONS. Humanity is to know yourself only partial (national, state, industry) measurements and only started to knowledge itself and its SPHERONS in a holistic and global scales. To do this, he needs a qualitatively new, revolutionary social science, which began GPS puts in knowledge of the laws of SPHERONS. A key condition for the humanity transition from the spontaneous state of global peace to its conscious state is the creation of Global Peace Science, providing humanity with unified of peace knowledge, the objective on its source and therefore acceptable to all nations and people on the Earth. All subsequent human history will take place not spontaneous and intuitive SPHERONS, ignorant in the knowledge of harmony, but conscious, armed scientific knowledge, to overcome their ignorance and turns from "SPHERONS in themselves" into "SPHERONS for themselves", using well-known

expression. Briefly, this law is expressed as follows: "if you want peace – create harmony SPHERONS" unlike traditional, false and militarist principle, "if you want peace – prepare for war."

Submitted 16 laws exhaust the logical completeness of SPHERONS, which leaves open forever historical / practical / real incompleteness of their development and implementation in the entire future history. These laws are interrelated and constitute its unity: LAW OF GLOBAL PEACE FROM HARMONY OF SPHERONS as eternal foundation of humanity and its history. Abbreviation: **Law of Peace from Harmony of SPHERONS.**

2.2. Historical Laws of SPHERONS

1. The Law of imminent death any military actor and militarism in general in history.

SPHERONS create intuitive or consciously immutable conditions of global peace in all of human history. In these circumstances, any military actor in the face of any militarist groups, nations, empires and civilizations, without exception, however powerful and warlike they were not, in the end, inevitably perish in their opposition to SPHERONS peace proving full senseless war in human society. **The unshakable peace power of SPHERONS inevitably condemns to death any military actor in the history and militarism in general as a social pathology.** Therefore SPHERONS as peace actors provide in the history, ultimately, the **victory of peace over war.** But this victory requires the systematic and conscious spherical conditions, which are disclosed in the GPS architecture of global peace. This is the first historical law of global peace of SPHERONS condemns any military actor to death in his war with peace.

2. The Law of exception of global wars from human history. Incommensurable superiority of spontaneous and / or conscious global peace of SPHERONS absolutely excludes any possibility of human history a truly global / total war "all against all": they never had in the history of mankind, and will never be given their full social absurdity of demonstrating the absurdity of anyone, even the smallest and brief war. The possibility of total war of "all against all" in human society on Earth and elsewhere **is absolutely excluded by peaceful nature of SPHERONS and their inexhaustible potential of global peace.**

3. The Law of the war possibility. The possibility of local and temporary wars on stage of spontaneous SPHERONS is determined by armed clashes of PARTONS, private groups, classes and individual nations for their private interests, contrary to the general peace interests of SPHERONS.

4. The law of military democracy into military history of antagonistic PARTONS. Military history of these classes since ancient times has created and perfected a military democracy. Its highest historical expression is the American military democracy, providing USA military world hegemony and almost continuous and endless wars of this state. This democracy, in fact, became a "democracy of war and violence", losing the true meaning of democracy in global military hegemony. But like everything in history, this dominance is also temporary and transient: peace democracy will come to replace the military democracy. This democracy is doomed.

5. The law of new, peace democracy for new, peace history of SPHERONS. New, peaceful history requires a new, peaceful democracy, without which it is impossible, the main actors, which are not antagonistic PARTONS and harmonious SPHERONS. Therefore, this peaceful democracy is spherical, harmonious democracy, or democracy of SPHERONS (See below), which is only possible on the basis of GPS and the most conscious groups who seek to realize this democracy. This is a very complex and lengthy historical process.

6. The Law of the war impossibility. The regular impossibility to war comes on the stage of conscious SPHERONS and their conscious peace democracy able to prevent on the GPS base any conflicts and wars. This science, embodied in SPHERONS consciousness and democracy, becomes identical to the eternal victory of peace over war.

7. The Law of transformation of traditional competition of PARTONS in harmonious SPHERONS competition in the economy, politics, culture and Sociosphere. Competition

as a contest of different private producers in different areas for the best forms and quality of production on all parameters and compare them – it is an eternal positive driving force of social progress. But traditional disharmonious civilization turned it into an instrument of violence, militarism and the destruction of a competitor, up to the physical. SPHERONS clean competition from its historical distortions, restoring its harmonious and peaceful essence in the interests and for the benefit of all parties, not one.

8. The Law of children priority in society of SPHERONS global peace. Unlike in the past, violent, societies, the priority in which belonged to interests of the most powerful economic, political and armed groups; in the peace-loving societies of global peace the priority returns to interests of children as the most important natural group determining the survival of society and the quality of its development.

9. The Law of women priority in management of peaceful harmonious society of SPHERONS. Among all the parts of SPHERONS their female half, by nature of its peacefulness associated with the necessity of having children and educating new generations, possible only in peace, not war conditions, has priority in the management of a peaceful society and the continuous development of global peace. Priority of the children interests in society, instead of profit, power and weapons, and women priority in society management of global peace – are two sides of the same coin of global peace and its leadership. They are disclosed in more detail below.

10. The Law of SPHERONS justice. Of all the social groups in history, SPHERONS objectively, in their position of equal, necessary, sufficient and harmonious classes of any society, are the most fair in all social relations but only under the historical conditions of their own scientific identity in GPS. SPHERONS justice cannot be spontaneous. Spontaneous justice is a private, temporary, limited and exceptional. Conscious justice of SPHERONS is universal, permanent, unlimited and natural.

11. The Law of SPHERONS happiness. Of all social groups in the history SPHERONS objectively, in their position of equal, necessary, sufficient and harmonious classes of any society, are most happy for the fullness of their social existence in his work and in meeting their needs but only under the historical conditions of their own scientific identity in GPS. Only conscious SPHERONS can provide key social condition of universal happiness of the people – global peace from social harmony, which eliminates the worst social misery – war, as the death of people and as a potential threat to the death of humanity in general. Global peace is the greatest happiness, which provides and guarantees the highest human right – the right to life and frees his/her from the violent suppression of this right. War is the greatest misfortune of conscious desire of people to kill each other in any armed clashes and violently trample the natural human right to life.

12. The Law of unity and brotherhood of SPHERONS. Of all the social groups in history, SPHERONS objectively, in their position of equal, necessary, sufficient and harmonious classes of any society, establish unity and brotherhood among the people as one family at all levels of humanity but only under the historical conditions of their own scientific identity in GPS.

Now all laws of GPS are presented as hypotheses, confirmed only partially and marginally. They need to get empirical evidence, clarification and better wording in the future. Presented here a list of these laws is historically the first, purely logical, and therefore far from perfect, is not intended to be definitive, exhaustive and perfection. This is only a stage for further progress of GPS.

3. The Spherical Laws of SPHERONS

Here we will discuss the spherical laws limited scale of SIOT spheres of social production, starting with the Technosphere, and employed in them SPHERONS. All spherical laws are formulated in general terms, preclude their detailed study and analysis of their history, requiring special additional studies that are beyond the scope of this book. Some of these laws

get more detailed scan at the level of relevant institutions in special articles in the chapter "Institutions" below. These laws are intending to create a general outline of the real architecture of global peace in GPS in the first approximation. These laws are given full effect and expression in conscious activity of SPHERONS. While it is spontaneous, until these laws remain potential, intuitive and embryonic, conscious birth and development which begins with a conscious creativity of SPHERONS in accordance with GPS.

3.1. Spheral Law of Demilitarization of the SPHERONS' Economy. Global Peace Disarmament

The spheral law of economy demilitarization is the SPHERONS first requirement, which means the complete destruction of the military-industrial complex (MIC) and release of world economy from it by its purposeful transformation in institutions of civilian production. Demilitarization of economy or **General and Complete Disarmament takes place simultaneously and uniformly in all countries, without exception, for at least 50 years through an annual reduction of military budgets of each country at 2% per year. Unilateral disarmament is possible only on a voluntary basis. Disarmament preserves the balance of weapons up to its completion.**

Disarmament will release about \$ 10 trillion, which according to official data annually spent on weapons without any benefit for people and nature, opposite, inflicting massive damage. \$ 10 trillion are two of Africa's GDP annually.

According to unofficial data military spending are in 2–3 times more. In disarmament are resources to solve all the problems of humanity: poverty, hunger, disease, education, unemployment, the construction of houses and roads, and so on. The economy demilitarization is one of the most important sources of economic growth in world economy and environmental preservation including climate. Global disarmament is the first and most significant conscious step of SPHERONS at the road of scientific global peace. The main meaning of this law and its trend ingeniously formulated Martin Luther King Jr.: "*We must shift the arms race into a peace race!*"! To this topic is dedicated a special article below.

3.2. Spheral Law of Maximin and Minimax for SPHERONS' Incomes. Global Peace Economy

The spheral law of agreed maximization of minimum and minimization of maximum income, in short: the law of Maximin and Minimax (MM) is the main economic law of SPHERONS, permanent increase the level of economic harmony of different groups and prevent the causes of conflicts. This is one of the necessary conditions for global peace. This law limits the growth and extreme poverty and extreme wealth to harmonize them. The MM law is intended to gradually replace and eventually completely exclude the traditional law of industrial economy and militaristic civilization: "the poor get poorer, when the rich are richer", which has been in history of the source of numerous wars. The MM law was expressed in different forms by different scientists, the first of its determination in game theory gave John von Neumann [3; 4]. In economic policy of some states it is expressed in a constant increase the minimum wage, pensions and other benefits for the poor and the introduction of various laws on luxury, limiting incomes and etc. But the system and global law of MM does not exist until now, that leaves open the reverse trend, exacerbates the economic contradictions between different PARTONS, which often leads them to armed conflicts and wars.

The MM law, with full transparency of all income, profit and property, provided a complete removal of all trade (commercial, business) secrets, is leading to the establishment of a system of mutual dependence of limits of minimum and maximum of income: they can grow to a certain level in proportion to the growth (increase) the level of minimum income.

Naturally, these proportions will be different in different regions and in different periods defined by the relevant legal norms, which are set democratically. The MM law sets the channel through which can be the economic harmony, hence global peace. At the boundaries of this channel and beyond arise disharmony: social frictions and tensions as the ground for wars and armed conflicts, which are neutralized the application of this law. Only this law will eliminate poverty from the life of mankind, which has always existed and thus close one of the most powerful sources of wars. Only such a law would be system global limit for greed of the richest groups.

This law defines the basis for a new, global peace-targeted with priority interests of children, economy of prosperity in contrast to the modern neo-liberal economics with unlimited maximization of profits and revenues, which is always accompanied by trade wars and the like, often leads to a hot war. This proves the militaristic nature of traditional economy in all its forms, especially the neo-liberal, for which war and military production are a major source of economic growth, although the actual military production is a minus growth, it's the economy for impoverishment of the poor and enrichment of the rich. The MM law, together with other laws of SPHERONS replaces this apparent economic minus on the obvious plus of economy free from military production, which, ultimately, is empty, harmful to humanity and nature colossal waste of social and natural resources, weakening the Earth potential and balance, leaving a large part of humanity beggars. With this economy humanity cannot tolerate more. On the GPS base it can replace war economy to peaceful and harmonious one.

Thus, the MM law eliminates disharmonious liberal law of unlimited freedom for and pauperization and enrichment, which undermines the spheral coherence established in society, creating an unlimited fertile soil for armed conflicts and wars. The specific social forms and legal mechanisms of the MM law within each social space and time will established a harmonious state of SPHERONS at every level in the interests of each of them, maintaining the necessary level of sufficient economic incentive in difference of incomes. (It is similar for realization of other spheral laws through democracy of SPHERONS). The desire to limit incomes/earnings shows, anyway, all modern states understanding how deadly their unlimited freedom. **Only in the way of a harmonious economy of SPHERONS the society is able to replace the disharmonious destructive law of industrial civilization: "the rich are richer when the poor are poorer" on the harmonious economic law of MM.**

The MM law contains the powerful tools of moral encouragement for voluntary renunciation of super-rich people from the greater part of his wealth in a special fund to tackle poverty and hunger. The beginning of this noble movement was put about 150 US billionaires (<http://givingpledge.org>). The voluntary renunciation from part of wealth in favor of the poorest people and countries is a necessary condition for social partnership of SPHERONS and their PARTONS in harmony for the sake of global peace. The MM law is a direct development and expression in the EU "Tobin Tax", which was adopted in the European Union [4a].

3.3. Spheral Law of Harmony for SPHERONS' Property. Global Peace Economy

Distribution of economic wealth (property) of SPHERONS to various resources, especially material, obeys to the MM law but with the different forms of ownership: state, collective and private. Harmony requires a balance of these forms and eliminates priority and any advantages of any of these. As history has shown, distortion of ownership in any direction threaten the economic crisis and disharmony, which often results in wars and conflicts for that reason. This law makes the owner of each inhabitant of the Earth a certain part of natural resources, providing at least some income from the profits of corporations exploiting natural resources. None of ownership cannot be canceled in favor of another but each must be limited harmonious range which does not inhibit other forms of ownership and do not harm nature.

3.4. Spheral Law of SPHERONS' Constitution. Global Peace Right

The spheral law of global peace Constitution, unlike the traditional constitutions, since Kant, defining the main source of authority in the people within a particular nation or country, defines SPHERONS as the main parts of the people and the main sources of power.

The first article of the Constitution of the global SPHERONS could be formulated in the first approximation, as follows:

"All power on the Earth belongs to its population, which consists of four spheral harmonious classes, SPHERONS, different in size but equally necessary for life of society and every individual. SPHERONS divide all power equally between them at all levels, from the municipal to the global. Spheral division of the population and power defines global democracy of SPHERONS. It is a political guarantor of global peace, excludes all wars and armed conflicts, which were a constant state of previous forms of democracy."

Global Constitution articulates the right of everyone to global peace or global right to global peace as a priority right together with the right to life.

3.5. Spheral Law of SPHERONS' Democracy with Priority of Children and Women. Global Peace Policy

The traditional forms of democracy exist thousands of years but none one of them has been able to bring peace. Therefore, traditional democracy, rightly, can be described as militaristic one, for which the preparation and conduct of war, the priority of military budgets were the main always. (Some, the relative exclusion constitute the democracy of a few little, neutral and non-aligned countries which, nevertheless, constantly assert military budgets and develop the armed forces.) **Therefore, global peace requires a fundamentally other democracy – democracy of harmonious SPHERONS or spheral democracy, preventing and eliminating any armed conflicts and wars on the basis of GPS consciousness.** The need for such democracy that excludes war and ensuring global peace, expressed spheral law SPHERONS' democracy. Therefore, **if humanity really needs global peace, it must establish spheral democracy.** Only such a democracy will provide international policy and right of global peace. The features of spheral democracy as the key institution of global peace are revealed in Chapter 8. The priority of children and women in this democracy, as well as its structural features are disclosed in the following works [5–12].

3.6. Spheral Law of SPHERONS' Reserve Currency. Global Peace Finance

The existing reserve (global) currency – the US dollar, as history has shown in the twentieth century, is not able to be financial system of global peace for the following reasons.

1. This currency (and all others for it) has been used without restriction for military purposes, so it is essentially militaristic. It has become a major tool for strengthening and growth of the US military empire as a mainstay of modern militaristic world order.

2. Dollar is deprived of any economic value, as it does not provided really, except for the historical traditions of the countries, have accumulated huge dollar reserves as a means of payment.

3. The dollar has practically zero economic value, which is limited to a meager cost of its paper and printing its work machine. In fact, the dollar is pure financial and economic fiction that allowed the US government to create a system of global financial tyranny and exploitation with the highest rate. The only manufacturer of dollars in the world is the US government, which is able to print any number of them without any restrictions. The world domination of dollar and servile position almost every country and every person on Earth is well illustrated in Foster Gamble documentary "Prosperity" (Foster Gamble, THRIVE).

4. The dollar is the national currency created by the dominant militaristic power in the narrow national interests, in principle excludes global harmony, global peace and universal disarmament. Therefore, the dollar will not be able the currency for global peace that shown the past century. The dollar

can only be the currency of endless poverty, hunger and penury for the majority of humanity. Dollar will fall as inevitably as will fall the US military empire and vice versa (Galtung, 2009).

5. These arguments are more than enough to recognize the need to create a new alternative to the dollar's reserve currency as the basis of a harmonious and equitable global financial system, serving not war and terrorism, and global peace. Such a currency can only be a supranational currency of global harmony – "HARMON", a draft of which was developed in the first approximation in the GHA published book "Harmonious Civilization" in 2009 [13, 122–129].

6. What is the international organization today, which is the most adequate to create HARMON or similar reserve currency? The most appropriate and supportive organization interested in creating a new currency is the BRICS (Brazil, Russia, India, China and South Africa), combining the basic non-Western and non-militaristic civilizations (Chinese, Indian, Russian, Brazilian and African) in the face of the largest countries in the world with a population of about 3 bln., accounted for nearly half (43%) of the Earth population and the most suffering from the dollar exploitation. This currency can be created within the framework of the National Committee for Research BRICS (NCI BRICS: <http://www.brics.mid.ru/brics.nsf/0/D5A90C3AA2C05FF344257A31004C5A5E>). BRICS began to move towards the creation of an alternative currency system, signed an agreement to create a pool of conventional currency reserves of BRICS, the original size is 100 billion dollars.

3.7. Spheral Law of SPHERONS' Interspirituality. Global Peace Interspirituality

The Spheral Law of SPHERONS' Interspirituality determines their spiritual, above all, religious pluralism, the unity of diversity of which is expressed the harmony of religions (or interfaith harmony) and the recognition of the divine harmony as source of social harmony and global peace from harmony. Interspiritual harmony also includes the harmony of science and religion and other forms of social consciousness of SPHERONS. (This law is disclosed in a special chapter below.)

3.8. Spheral Law of SPHERONS' Esperanto. Global Peace Linguistics

The Spheral Law of SPHERONS' Esperanto expresses the need for their social harmony an additional/parallel single neutral language of international communication – Esperanto, which is justified in a number of works [14; 15; 16]. English as the existing international language is a tool of exploitation, linguistic violence, injustice, inequality and social disharmony, impeding mutual communication and understanding of the peoples and therefore promote the growth of armed conflicts and wars. Social harmony requires a language devoid of these negative qualities. That language is Esperanto, which is dedicated to a special article below. Just like language is able to provide global peace linguistics. However, for a transitional period recommends bilingualism – the use of two international languages – English and Esperanto, to gradually, perhaps over several decades, to move from one to the other. [17] Ultimately, Esperanto is a tool for sustainable and harmonious development of mankind as claimed by Dr. Renato Corsetti, the International Association of Esperanto President [18]. But this question generates a lot of discussions [19].

3.9. Spheral Law of SPHERONS' Science. Global Peace Science

The Spheral Law of SPHERONS' Global Peace Science (GPS) determines the necessity of scientific knowledge of full social harmony of SOCIONOME ensuring global peace of SPHERONS consciously, necessary and sufficiently. GPS is impossible without scientific discovery and definition of SPHERONS as actors, causes, sources and guarantors of global peace within holistic social harmony. Only recognized GPS opens the prospect of scientific definition and long-term practical construction of global peace in the subsequent human history. No other knowledge and consciousness is unable to lead humanity along this path in the future. GPS is revealed in its basic qualities and unique advantages in this book. GPS is cementing knowledge that brings together in harmony and other forms of human knowledge including economy, politics, law, computer science, culture, history, religion, morality, technical and natural sciences in their social function and used for peace or war.

3.10. Spheral Law of SPHERONS' Global Community. Global Peace Community

The Spheral Law of SPHERONS' Global Community expresses a conscious formation of a new historical community of people on the basis of spontaneously existing SPHERONS opened in GPS. This

community does not replace the natural racial, gender, age, national and ethnic communities of people. This community unites them is their common social and conscious / scientific denominator within the GPS. It stimulates the creation of transnational and global communities of people in all directions with full preserving the cultural diversity of nations but neutralizing national sources of hostility, wars and armed conflicts. This community provides conscious global peace and is the subject of global peace anthropology, to which will be devoted a special article below.

3.11. Spheral Law of Social/Individual Similarity of SPHERONS. Global Peace Psychology

It is the Spheral Law of social psychology. It defines the spheral similarity of global social structure of SPHERONS and the internal (individual) structure of each person as atomic unit of SPHERONS on a line of SOCIONOME-PSYNOME [1, 40–45]. The spheral semblance of social and individual is their profound structural harmony. Their disharmony is a major source of wars and conflicts. Harmonization of socio-psychological relations along this line, i.e. the internal (personal) and external (social) peace is a necessary condition for global peace from harmony of SPHERONS. To this topic a special article below is devoted. This law explains the similarity of SPHERONS in their individual (psychological) and social depth that defines their equality through identity of their deep structure on a personal level.

3.12. Spheral Law of SPHERONS' Humanism. Global Peace Humanism

The Spheral Law of SPHERONS' Humanism defines a global humanism of humanity through global peace from harmony. Any other humanism capable of war, armed conflict and violence is pseudo-humanism limited by certain narrow limits so it cannot be considered as a true humanism. Consequently, once there are still wars and violence, then, so far there is no true humanism. It comes only with SPHERONS together with social recognition of above law guaranteeing global peace from harmony. It will be true global peace humanism as a universal humanistic morality of SPHERONS. To this humanism a special article below is devoted.

3.13. Spheral Law of SPHERONS' Harmonious Education. Global Peace Education

The Spheral Law of SPHERONS' Harmonious Education and learning defines the basic, non-violent educational path of all subsequent generations of mankind to global peace through the universal compulsory harmonious education from early childhood. Just like education in the conventional Global Peace Science will provide a truly scientific global peace consciousness excluding all sources of wars, because it will be able to find a harmonious solution to any problems in all spheres of human life at all levels, from the individual, family and municipal to the global one. This will be true peace education as education for global peace, to which a special article below is devoted.

The architecture of global peace also includes all its basic levels:

- Individual (internal) peace of the human from harmony of its spheres,
- Family peace from harmony of its spheres,
- Nation peace from harmony of its spheres,
- World/global peace of mankind from harmony of its spheres.

These levels are considered in the preceding and following chapters.

The named spheral laws define the necessary for SPHERONS as actors of global peace components of its architecture and world order, without infrastructure of which SPHERONS' global peace cannot exist any level. This means that if humanity is to secure global peace, its SPHERONS must consciously create the architecture of global peace and infrastructure of its world order on all levels in the holistic system of listed components:

1. General and complete disarmament;
2. Harmonized/coordinated/coherent minimization of the maximum and maximization of the minimum of income;
3. Harmony of the state, collective and private property for all;
4. Constitutional division of the population/people into four SPHERONS with an equal division of all branches of power between them as the basis for spheral democracy;
5. Spheral democracy with children's suffrage, priority of their interests, equal participation of men and women, with constant internal opposition and mutual control at all levels;

6. Alternative currency of peace and spheral democracy – HARMON (or similar);
7. Harmony of religions: interfaith or interspiritual harmony;
8. Global neutral language of international communications – Esperanto;
9. Global Peace Science (GPS);
10. Formation of the new historical communities of people – SPHERONS;
11. Global peace humanism as a universal humanist morality of SPHERONS;
12. Global harmonious education and enlightenment of SPHERONS.

Only under these conditions and through these institutions SPHERONS can ensure global peace, and only they can create these conditions/institutions consciously. Other social actors for them does not exist, i.e., no one else anything like not able to create and ensure universal recognition and application for them. Only under these conditions/institutions can be the victory of peace over war in history with a win for all parties, including the warlords. The answer to the question – how can be this victory – gives GPS.

The number of submitted laws and related infrastructure components of global peace can be expanded and the titles and definitions of the laws can be improved. These laws operate spontaneously in the military history of mankind, to the middle of the XXI century (suspended) until SPHERONS remain spontaneous. But over the past centuries and millennia they have prepared some initial background in the field of action of each law. The scientific study of quality, measures and forms of these premises of global peace, i.e. its architecture in different periods of history in different countries is a huge volume and complexity task for history of global peace we only skimmed in the third chapter. Their study requires special, spheral integral Academy of Social Sciences for Global Peace from Harmony (see below).

Almost every spheral law determines the appropriate civilizational revolution forming a necessary social foundation for the new (harmonious) civilization and requiring its scientific research on the subsequent stages of GPS.

In conclusion of this chapter, we quote a few philosophical observations of great French writer Andre Maurois about science and society, together with our comments. Andre Maurois wrote: "We have learned, obeying nature, manage it" [20, 11]. But to govern society without war, we will learn only obeying his social laws that we do not know and need to know in GPS. We have not learned to obey the society, its laws, because they do not know us, so we have not learned to control it and its elements turns out of war and terrorism.

"At the beginning of our (XX – L.S.) century the most knowledgeable people had seemingly every reason to think that entering a new golden age ... In fact, the Golden Age (XX century as a flourishing industrial civilization – L.S.) **turned out to Age of Fire and Shame** (emphasis added – L.S.). Despite their knowledge and might, modern people are unhappy as ever. "How pure gold was despicable lead?" ... His power over nature the human used not for the building and to destroy. Politics and Economics (Social Sciences – L.S.) not kept pace with development in physics and biology (science – L.S.) ... Really unfortunate human race will destroy itself along with the planet, serving as a refuge to him? .. Salvation of mankind is in the hands of humanity ... Either we will provide each other's hands or destroyed each other in a nuclear war "[20, 12–13]. **This means: either harmony or death!** We have gained knowledge in the XX century but only the natural sciences, and might – only material but not social. We have only the simplest half of knowledge and primitive half of might. The second, main half of knowledge is knowledge of the social, knowledge of society as a whole in harmony, excluding self-destruction and ensure the survival and prosperity of all nations. In this knowledge, the first and main science is GPS providing social might, i.e. the first of all – global peace, the knowledge and ability to live in a harmonious world between nations and people through this science. We will learn to control the world and build it only consciously obeying the social laws of peace from harmony, SPHERONS' laws, which are disclosed in GPS.

The global peace architecture disclosed in GPS is a breakthrough of history, its qualitatively new, peaceful and truly humane, without wars, dimension and condition. GPS opens before humanity a real opportunity to learn to manage a society without war, obeying to natural laws of SPHERONS. It opens to humanity a real opportunity to replace the XX century – the Industrial Age of Fire and Shame, by the new, turning XXI century – the True Golden Age of Peace and Prosperity from Harmony on a solid foundation of scientific consciousness of global peace.

In conclusion, we must emphasize an important circumstance once again. Although the existence of SPHERONS was proved both theoretically and statistically in the first two chapters but built on their

basis the architecture/infrastructure of global peace and its laws, principles, ways and institutions remain hypotheses and waiting for new evidence in the new researches. They may well require a new proposal to reformulate the laws and rewrite the GPS relevant paragraphs.

4. GPS Subject's Matrix. *Leo Semashko, Subhash Chandra*

The subject's matrix (S-matrix) of GPS was created to express the GPS system subject's area within transition from the architecture of knowledge of SPHERONS (see 1.5.-1.7. in GPS book: http://peacefromharmony.org/?cat=en_c&key=585) and their laws to the architecture of global peace. Simply put, S-matrix expresses the architecture of global peace in its key structural blocks. In it the systemic unity of diversity of global peace is defined by the formula: **One Earth ~ One Humanity ~ One Harmony ~ One Peace = One Global Peace Science (GPS)**. Where tilde ~ is a sign of the unity and indivisibility in this matrix of the five different elements, which together reflect a fundamental super structure of global peace. The equality sign is a sign of inclusion of the first four elements in the GPS object and GPS unity with them. Or else: the first four express an objective system subject of the fifth as knowledge about it. Therefore, GPS S-matrix is forming method and description of the architecture of global peace in this science. It expresses the GPS universal scale combining five universal structures: Earth, humanity, harmony, peace, and science of peace in one super structure of GPS.

The Earth (planet, nature) universality is expressed through universality of its seven spheres: litho-, hydro-, atmo-, iono-, bio-, noo-, cosmosphere, which are presented in SOCIONOME (see 1.5. in GPS book).

Universality of humanity is embodied its 4 spheres and 4 SPHERONS of global social structure, including the entire population with all its groups, without exception, which produce society (noosphere) in all its diversity (see chap. 1) and which is defined in the ancient Indian Vedic tradition as "*One World – One Family*" ("*Vasudhaiva Kutumbakam*").

Universality of harmony covers all natural and social spheres and all the relationships between them, only because they exist. Therefore **harmony is a way of existence of nature, society, human and peace; therefore, social peace is – "from harmony" or "through harmony" of SPHERONS; therefore SPHERONS are cause, source, actors and guarantors of peace.** Disharmony, antagonism and struggle of classes/groups (PARTONS, see 1.12) in social harmony system is only a particular or extreme case in global harmony of SPHERONS, hence the theories of antagonism and struggle of PARTONS in its knowledge is only a special case/deduction of general theory of harmony of SPHERONS as Newtonian mechanics is a special deduction of Einstein's general theory of relativity. The special cases and deductions of social harmony are historically transient and degenerate forms in an endless evolution of its perfection, search and selection of the most effective forms, ways and institutions of SPHERONS' harmony.

Universality of peace covers all social spheres and relations between them as any antagonism (disharmony) between them as well as between them and the natural spheres may become the source of one or another war. Therefore, the causes of war can be infinitely many and a cause of global peace is one global harmony but in all its infinite variety. **Therefore war is primitive state of humanity and peace is infinitely complex in the integrity of its diversity.** This explains its (global peace) inaccessibility to the past history of a variety of different civilizations over more than 10 thousand years until the present day. At this stage only GPS can provide holism and adequate complexity of the spherical harmonious thinking able to explore, to understand and to build conscious global peace of SPHERONS in its first historical form, which will constantly evolve in the future.

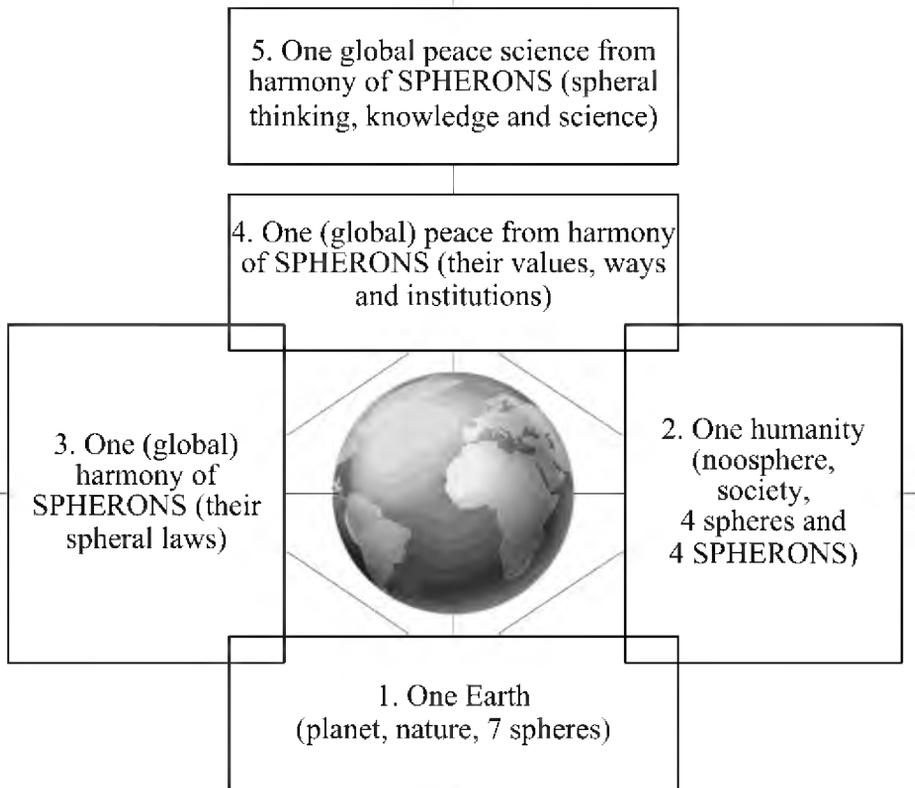
Here manifests **the universality and uniqueness of GPS** as necessary and sufficient element of global peace as well as four others. **Global peace as a universal and constant**

attribute of humanity and the way of its existence, survival and sustainable development can only be scientific and conscious. Therefore, GPS also is included in the subject of the fundamentally new, revolutionary scientific thinking in its epistemological function of self-knowledge. In this function **GPS is a new philosophy as philosophy of the future**, born in the 21st century. Its sources, stages and content were discussed in the books of Dr. Leo Semashko for almost 30 years (since 1976) and in the GHA eight books for 10 years, since 2005 (see 7.1.)

S-matrix determines the GPS subject not only from the standpoint of global peace but also in terms of their possible military destruction, which is identical to the impossibility of global peace. As long as nuclear weapons will exist until our planet and humanity will be in danger of full military destruction. Concern of their conservation from this threat and its exclusion through global peace, i.e. liberation from war, its sources, actors and its infrastructure is a task and function of GPS, which are included in its subject and make its organic aspect of security. But GPS is not limited this negative aspect, putting forward a positive priority of building global peace of SPHERONS. Therefore GPS is, first and foremost, the science of peacebuilding, in which the security feature is a derivative and secondary from peacebuilding priority.

S-matrix can be represented by the following tetramodel, elements of which are listed in the formula above with their some details: 1. One Earth (planet, nature, 7 spheres) ~ 2. One humanity (noosphere, society, 4 spheres and 4 SPHERONS) ~ 3. One (global) harmony of SPHERONS (their spheral laws) ~ 4. One (global) peace from harmony of SPHERONS (their values, ways and institutions) = 5. One global peace science from harmony of SPHERONS (spheral thinking, knowledge and science).

Model-17a. The GPS Subject's Matrix



This model clearly presents the relationships and attributes of universality, uniqueness, necessity and sufficiency of the structural blocks for the architecture of global peace, which are

expressed in the general theory above (see chapters 1–5). Each of blocks of this model is detailed in the corresponding models of this book and in *the ABC of Harmony*. The complete picture they get in the social genome – in SOCIONOME (see para 1.5).

Why it is the matrix? – Because the first four building blocks creates their unbreakable and multi-dimensional superposition, overlap, penetration and interdependence. Why it is the subject's matrix? – Because it outlines the objective area of GPS and its architecture. Of course, it can have a variety of other expressions: table, statistical, holographic, mathematical, etc., some of which are presented in part below.

Logic of this matrix is simple. If we interpret humanity as a unity of private hostile social groups, classes, nations and similar PARTONS, **then into the place of social harmony we put discord and antagonism, which generate wars, displacing peace**. On the other hand, **if we discover a deep social structure of humanity as a unity of harmonious spherical classes SPHERONS, then we find in them the fundamental basis of global harmony; and global peace from harmony gets its ultimate cause, source, actors and guarantors to exclude any war and ensure historic victory of peace over war**. These are two fundamentally different logics of war and peace, which explain them from different objective foundations (PARTONS – SPHERONS) and from different levels of their knowledge. But these logics are interconnected: the logic of war and struggle of any classes and groups is an extreme, temporary and degenerating case of the logic of harmony.

The second logic – logic of peace – depends from the discovery of objective harmonious classes – SPHERONS and their transforming from spontaneous (intuitive) in the conscious ones. This transformation of consciousness can take place only on the basis of GPS knowledge, which SPHERONS will get through the global harmonious education and other spiritual forms of the similar quality and scale. GPS is the theoretical basis of the highest and most excellent – SCIENTIFIC – peace global education of civil society, which does not yet know of such education. GPS also serves as a tool and platform for integrating other forms of spiritual peacebuilding: religion, art, social sciences and so on (see chap. 7).

This matrix allows also identify and explain the existence in our times of peace-loving countries in their unity to achieve global peace and opposing them aggressive militaristic countries and blocks hostile to global peace. Of course, hostile to peace can only be elitist, aggressive-minded ruling classes PARTONS (see 1.13).

Peace in the architecture of SPHERONS is a normal harmonious state of mankind. The war in this system is disharmony, pathology, HIV infection or cancerous tumor devouring the planet and humanity. Peace from harmony of conscious SPHERONS is a complete healing from this tumor, sustainable development and prosperity of both the nature (planet), and humanity in the unity of all its diversity of peace loving peoples, societies, cultures and civilization s.

The GPS S-matrix is another expression of social integrity, holism and completeness of SOCIONOME (see 1.5.). In its content and logic it and S-matrix are identical but with a different decryption of structural elements and for different epistemological functions and tasks. S-matrix is the most compact expression of global peace architecture, detailing blocks of which are implemented in the models of respective spheres and their laws in the first approximation in the chapters above and below with a focus primarily on humanity (noosphere, society).

S-matrix is a key to understand the integrated and holistic system of GPS in its entirety. GPS and its matrix may be based only on the notion of SPHERONS. Their discovery allowed the GHA, for the first time in the history and more than two centuries after the emergence of military science, to create an unprecedented science of peace – GPS. **The discovery of this science, in turn, will allow humanity to come out in the 21st century to the way of radically new, peaceful history, eliminating war and closing traditional, militaristic history**. It will be a historical and civilizational breakthrough on the basis of GPS

revolution of traditional militaristic thinking. In the GPS framework will qualitative change our understanding of the key social institutions of economy, politics, democracy, media and education, their transformation from a militaristic to peacebuilding ones. Some of these institutions will analyze briefly below, in Chapter 8 within positions of S-matrix.

Thus, it is difficult to overestimate the key importance of GPS together with its fundamental discoveries of SPHERONS, SOCIONOME, S-matrix and other unique cognitive tools for a radical change of human history and thought. They will ensure building global peace in the 21st century and "*shift of the arms race into a peace race*" as brilliantly foresaw Martin Luther King Jr. Their final outcome is a general and complete disarmament and the historic victory of peace over war. As Albert Einstein wrote, "*we shall require a substantially new manner of thinking if mankind is to survive.*"

The traditional Western thinking, dominating in our time and in contrast to the thinking of other civilizations – Indian, Chinese, Russian, African, etc., in its mainstream showed in history ineradicable militarism in numerous wars, in the creation of military science more than two centuries ago, in a continuous arms race, and now, within the framework of the US and NATO, came to recognition of nuclear war (<http://www.vz.ru/politics/2015/6/5/749253.html> and <http://rickrozoff.wordpress.com>), which excludes the survival of humanity. The Western thinking has become militaristic contagious "infection" for other nations, states and cultures. The West does everything for the war: military science, military-industrial complex, priority of military budgets, the arms race, and etc. But for peace it does almost nothing: peace infrastructure and its financing are virtually zero. The West nurtured a major threat to global peace – military empire of the US/NATO, which threatens all other civilizations: only it waged the wars in almost all parts of the world for the past 70 years after World War II; only it has military bases on all continents, etc. (see chap. 9).

Militarist mindset is hostile to peace and deprives humanity the survival prospect. This perspective can provide only a peaceful thinking and consciousness based on GPS and only global peace dialogue on this basis. Therefore GPS is an alternative to nuclear war. Could be another alternative? GPS has intellectual potential not only to prevent it but also to provide up to the end of the 21st century complete disarmament and the historic victory of peace over war, i.e., the transition from the military past history to a peaceful future history without war. This is the historical mission and meaning of GPS.

Dr. Leo Semashko, Editor in Chief, "*Global Peace Science*" (GPS)

Dr. Subhash Chandra, GHA Secretary General and GHA Ambassador of Peace and Disarmament

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CHAPTER 6

Global Peace Principles and Values.

Global Axiology

1. Holism of Global Peace Values in Harmony. *Leo Semashko*

The qualities, rules of function and significance of the global peace architectural components, derived from the SPHERONS laws, are expressed through their principles and values. The set of principles and values of global peace finds unity and wholeness in the integral value of harmony, which, in the end, and serves as a source of peace.

The key integrating role of a value of harmony among the other values was seen for a long time, especially in the east, in particular, Indian philosophy, where the harmony takes center place. Harmony is recognized as "holistic and universal", embracing all parts and sectors of society and all its values [1, 28–56]. *"Harmony is the Prime Value. ... Harmony becomes the first priority because the very existence of humankind is threatened by forces of disharmony... Harmony seems to be one single value, yet, in truth, it is the group name or corporate name given to a set of values. For 'Harmony' has love, unity, concord, amicability, sociability, friendliness, spirit of co-existence and reconciliation, proper communication, openness of mind, self-control, non-violence, sweetness, tolerance, consensus, etc. as its essential components. Without these values, there cannot be an enduring and holistic harmony.... Harmony as agreed diversity encompasses many values..."*[2, 3–5].

Consequently, further disclosure of the various principles and values of global peace is knowledge of the different qualities of harmony within selected components of its architecture, of which, as of its infrastructure, global peace is constantly reproduced by SPHERONS. Therefore, all the principles and values of global peace from harmony is own, internal and inalienable principles and values of SPHERONS as actors of this peace. Some of these principles and values are shown below.

Dr. Leo Semashko, Editor in Chief, "Global Peace Science" (GPS)

2. Global Peace Principles

2.1. Oneness Principle of Humanity in the XXI century in GPS.

Subhash Chandra

Our world is divided disharmoniously; it is torn by social conflicts of different nations, private classes and groups, so it is unsustainable. This division defines today cumulatively growing cycle of violence, war and poverty known as "violent social order", which was put humanity in the face of terrible challenge of its own existence. A mutually enforcing triangle of economic growth, concentration of political power and destructive military force and conflict is driving the world toward global disaster. We are threatened by nuclear destruction. "In the event of a nuclear war there will be no victors because there will be no survivors...", said His Holiness the Dalai Lama.

The present situation calls for a drastic strengthening of Global peace movement involving the entire Leaders' of the world. It's time to focus on 'Thinking together & Working together' towards Global Peace Science (GPS) to save the Humanity through peace & harmonious education & oneness of humanity. Jainism says: 'Vasudheva Kutumbkam' (World is One Family): One God – One Religion – One Harmony – One Humanity. God is ONE but He is known by different names and lives in everyone's heart. God's home is in the heart of a Hindu, Muslim, Christian, Buddhist, Jew, Sikh and every other believer. Major world religions

involved are Baha'ism, Buddhism, Christianity, Islam, Hinduism, Sikhism, Judaism, – they all teach about universal peace & Human unity through Love & harmony. Religious harmony is a philosophy which includes the basic truths of all religions. It preaches a universal message of harmony, unity & peace.

GPS is Scientific Revolution of World Peace & Oneness of Humanity. GPS is scientific revolution in the understanding of global peace and unity of humanity through the discovery, research and development of SPHERONS as actors of global peace from harmony, embodying a harmonious division of people at all levels from the family to humanity in its global social structure. GPS keeps the principles of traditional wisdom in understanding the oneness of humanity:

- All people, regardless of nationality, culture, religion, race or ethnic group are members of one human family created by God.
- All mankind is one holistic organism;
- All people are connected and interdependent;
- Globalization once again shows that we are one big village;
- We function as a whole but do not feel and do not know this integration;
- We need to raise awareness of global unity;
- We need to feel love for everyone as in our own family.

GPS more focus on the basic principles that are recognized by the world's religious traditions than on doctrinal differences between religions. A true interfaith experience is rooted in universal principles, values and aspirations that bind all people together in one family. For this universal experience GPS sees universal intuition of global harmonious classes of mankind – SPHERONS, scientific understanding of the eternal societal structure of which is a revolution in consciousness of the oneness of humanity. The traditional intuitive principles of oneness of mankind get a solid scientific foundation in understanding of this unity as indissoluble harmonious connection of four SPHERONS necessary and sufficient for the life of society at all levels from the family to humanity. The religious intuition and science of SPHERONS complement and reinforce each other in knowledge of the oneness of humanity, providing mutual harmony with each other.

We can designate the seven principles of oneness of mankind in GPS, which opens a new historical era of conscious global peace of humanity since the XXI century:

1. The transition from intuitive oneness of mankind to conscious oneness as transition from spontaneous SPHERONS to conscious;
2. The transition from spontaneous SPHERONS to conscious is out by way of global harmonious education in the XXI century on GPS basis and appropriate pedagogy in all spiritual areas;
3. Global harmonious education is the foundation of the global harmonious enlightenment and development of a global consciousness of peace and oneness of humanity through love, peace and cooperation;
4. The oneness of mankind is consciousness, first of all, of SPHERONS' membership (and not other groups) as actors of global peace, ensuring the unity of all people;
5. The oneness of mankind as a conscious unity of SPHERONS is the path to save the planet Earth;
6. Achieving conscious global peace and conscious oneness of mankind is the two inseparable sides of the same process of self-awareness of SPHERONS;
7. Conscious harmonious oneness of SPHERONS as the unity of mankind begins with the inner harmony of each person, the beauty of character of which includes the highest moral values: love, peace, honesty, non-violence, justice, respect, tolerance, cooperation, dialogue and trust.

This is the path of humanity to a new, conscious, oneness of mankind from global peace of SPHERONS based on GPS and its harmony with religion and other forms of social consciousness.

Dr. Subhash Chandra, GHA General Secretary, GHA Ambassador of Peace and Disarmament

2.2. Unconditional Love of Global Peace. *Harold Becker, Leo Semashko*

To achieve a collective experience of global peace, it is imperative that we understand who we are on the deepest personal level. Without a recognition and discovery of our fundamental worth and universal nature as empowered creative beings, we are destined to remain in the illusion and false sense of separation from ourselves and each other. Self-awareness is the beginning point that propels us forward towards a peaceful global culture that is cultivated within our own being by balancing the art of our heart and the practical application of our mind.

In *the ABC of Harmony*, in psychological genome (PSYNOME) of person [3, 44–45] four spheres of individual character are identified on the deepest personal level, which is fundamental and universal source of human development and internal unconditional love. Only self-awareness of unconditional love of these foundations in their personal harmony determines inner peace as a support of global peace from harmony. Therefore global peace is based on unconditional love of human to himself and to others. Love is peace in himself and with others, and peace is a love for yourself and others. Hatred is denial and destruction of himself or other people, or all of them. This is the path of violence, war, conflict and destruction of others. Therefore, the knowledge and recognition of GPS is impossible without self-awareness and inner unconditional love, which constitutes one of the most important principles of global peace and its science – GPS.

When the inner love is limited by various conditions: financial situation, sources of income, education, occupation, social groups and other frameworks, then it leaves room for internal and external hatred, therefore, for violence and war. The most important social condition of unconditional love are SPHERONS, harmonious and loving each other classes of the population, overcoming all antagonistic divisions. Even intuitive awareness of them has beneficial effects on the growth and strengthening of internal unconditional love as a source of personal and global peace. The love leads people to oneness, unity and peace and their harmonious associations, primarily SPHERONS, lead people to love, to a truly collective humanity. Love, like peace, is born and comes from harmony, in turn, fueling peace and harmony. The value-pool of harmony mutually nourishing and strengthens all the values included in it, especially love and harmony, of which only and can thrive personal and global peace.

This is our nonprofit, The Love Foundation [4], whose conceptual mission is to inspire people to love unconditionally and its main initiative, Global Love Day each May 1st, which is celebrated in many countries now [5; 6]. Here develops paradigm of global family to bring humanity global peace and love from harmony, actors and architects which we have the honor to be.

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Dr. Leo Semashko, Initiator and Editor in Chief of the book "*Global Peace Science*"

2.3. Noospheric Principle of Global Peace. *Alexander Subetto*

In the appeal "For World Without Wars and Violence", created at the end of June 2013 on suggestion of Dr. Shanti P. Jayasekara and V.V. Lukoyanova and exposed in the Internet, I wrote: "The world of humanity is in point of no return. The first phase of Global Environmental Catastrophe on the turn of the 80s-90s of XX century took place and continues to evolve. For the first time the human himself, his aggressive form of wildlife management in the world economy, jeopardized their existence not only as a civilization on planet Earth but also as a species, including a threat to planetary life in general ... The world of dominance, competition and power of rich over the poor, the world of wars and violence means ecological destruction of all people in the world in near future, to the middle of the XXI century ... The

time of true man, the true reason, truth – noospheral – Harmony, an era of Noospheral Spiritual Ecological Socialism as era of peace without war is coming! "[7].

The imperative of a world without wars and violence – "global peace", as it was called by the Global Harmony Association (GHA) [8] is an integral part of the ecological imperative of survival. Resolution of the geopolitical disputes through wars when required collective efforts of humanity to address global problems is a form of developing market-capitalist agony of humanity, leading it to environmental destruction: humanity dies for metal, i.e. for the capital, for the money that accumulates by the global financial power.

The mission of "global peace science" (GPS) is to equip humanity with exit strategy from both environmental and capitalist market dead end of history. But that GPS could fulfill this mission, it must be noospheral. We are talking about the noospheral paradigm of GPS based on noosferizm as scientific and ideological system [9].

Noosphere, according to Vernadsky, is a new state of the Earth biosphere, where the planetary scientific thought, armed with great energy economic impact on the environment (the "energy of culture," wrote Vernadsky), begins to play the role of geological factor of evolution. The first phase of a global ecological catastrophe defined advent of the Great Evolutionary Fracture, directed at changing the social bases of human evolution from market-capitalist to socialist-noospheral.

The Future Noosphere Era is the era of Planetary Cooperation of nations and ethnic groups on the basis of a world without wars and violence [10]. The planetary cooperation in the XXI century has noospheral vector. Its purpose is to ensure mankind harmonious noospheral development as managed evolution of society and nature. The transition to the Age of Cooperation for humanity means that it turned out to become a new, united global entity, in which its diversity provides sustainable development" [11].

Thus, GPS is in its infancy. Its indispensable vector and principle is noosferizm, i.e. the inalienable from the nature priority understanding and building of global peace through a united science about noosphere and human [12], the synthesis of which has already begun in Russia in Noospheric Public Academy of Sciences as and in GHA.

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The GPS Editor in Chief comment.

1. The Noospheric vector or noosferizm principle of GPS is its really necessary attribute that is accounted and structured in SOCIONOME as the GPS theoretical core.

2. Unfortunately, Alexander Subetto's noosferizm is not structured and do not reveal the complex relationships of social and natural structures, that does not allow to raise them awareness on the scientific level.

3. In general, loyal criticism of the capitalist market, the competition, the power of capital, and super enrichment not take into account the possibility of harmonizing the market, capital and competition, i.e. their transformation as necessary economic mechanisms into qualitatively new, harmonious forms through the new, integrated, social science and spheral, harmonious organization of SPHERONS' power. The hopes for traditional socialism with a single, state-owned, from our point of view, are unfounded and do not provide peace.

4. Unfortunately, the author ignores groundlessly the discovery of spheral classes of the population – SPHERONS as actors of global peace and social reconstruction of society in a whole on the principles of harmony. The reliance on the traditional "ethnic groups and nations", and even more on antagonistic Marxist classes of militaristic and exploitative civilization, does not allow to rely on Subetto's optimistic conclusions about peace, harmony and justice of his "noospheral-socialist society."

2.4. Principle of Culture as Universal Foundation of Global Peace at Nicholas Roerich. *Julia Budnikova*

*...By gunshots good nature is not recovered.
It is joyful to think of good nature destined for good.
It is good to meet and have a conversation about all what leads to good deeds.
Let us not be afraid of accumulation and repetition of definitions of the good.
Good is needed. Good is urgent. Good spins the world.*

Nicholas Roerich [13]

Thinking over the roots of Global Peace Science and first steps in its practical appliance we cannot leave out the name of Nicholas Roerich who had raised the Banner of peace over the planet and showed the new prospects for further development of humanity. "Peace through Culture" is not just a social movement but an elaborate scientific worldview, a holistic anthropological paradigm of peace's universality as universality of culture.

Nicholas Roerich is not just a world-known artist but an "apostle of culture". In the first half of catastrophic XX century he raised over different continents the Banner for protection of cultural values from elimination and vandalism. Roerich Pact was one of the first experiences of creating a collective agreement and a security system based on mutual recognition of absolute values of being.

For years heading towards realization of the idea of this kind of treaty Nicholas Roerich was using extensively his scholastic attainments received at the Faculty of Law at Saint Petersburg State University (1893–1897). Of greatest value to him was a class of F.F. Martens (1845–1909), the founder of school of international law. He was a bright public figure and lawyer, an author of «Modern international law of civilized nations» (1882–1883) – the first legal writing of such kind and scale in Russia. This textbook translated into most world languages in its author's lifetime, which became the table-top book for diplomats all over the world became the basis of the class which Roerich attended in spring of 1897 in University. Roerich with enthusiasm accepted the fundamental ideas of Martens and knew his other writings. In fact Martens was the author of programme of the First Hague Peace conference which was convened in 1899 on initiative of the Russian Emperor Nicholas II and laid the foundation of process of disarmament and regulation of conduct of war. Martens and his students were very active in working out the basic framework of the agreements and took part in the Second Hague Peace conference (1907).

The direct connection to the humanistic heritage of Martens and his followers is seen in preamble and basic framework of the Roerich Pact and even in its title («Treaty on the protection of artistic and scientific institutions and historic monuments»). Roerich's knowledge of international law helped him to turn his idea of the Pact into reality with implementation of Russian tradition of peace-building.

Peace through Culture is not just a social movement but an elaborate philosophical worldview, a holistic anthropological paradigm of world's universality as universality of culture. The connection between cultural and social progress and development of human as a biological species is obvious for the artist. Neglect for culture and decline of it lead to running wild with its violence and bloodshed. «Culture is a cult of Light», – Roerich used to say. According to him Culture, based on culture of the spirit and developing of the «good nature», has nothing to do with blessings of civilization. Works of art with their energy have decisive significance in the battle between Light and dark, which can be identified on the feature of "inhuman cruelty".

One more avant-garde idea was Roerich's thought on common roots of spirituality of different cultures which meant that cultural heritage was not the achievement of a certain nation but of all mankind. Destruction of historical monuments, temples and museums was

considered as crime against humanity, hostility and war between people as a sign of their ignorance. As a symbol for this universal idea a universal sign possessing sacral meaning was needed. The sign of Banner of peace (three amaranth red spheres in a circle) had a trinity sign as its prototype. This symbol which dates back to Neolithic era is seen in cultures of different countries and nations. Holy Trinity of Christianity, Trimurti of Hinduism (Brahma-Shiva-Vishnu), Triratna of Buddhism (Buddha-Dharma-Sangha) – this list could be continued.

Within this book developing the ideas of Tetrasociology it is interesting to mention that Roerich had supplemented the ancient threefold sign with the fourth element – a circle which is a symbol of harmony highlighting the importance of coordinated union within the triad. When asked about the meaning of Banner of peace sign he used to explain it as Past-Present-Future in the circle of Eternity or Religion-Science-Art in the circle of Culture. Roerich's conception of universality of culture is not the result of an abstractive research in the field of history of art but a totally new approach. He pointed at the importance of understanding the quintessence and the most sacred part of any authentic culture which according to Roerich was the concepts of Messiah and the future New era. This was considered by him as a key to understanding and concord between people and nations.

"Messiah, Maitreya, Muntazar, Mitolo and all the glorious names of the same most sacred and most heartfelt aspiration of the humankind. With most delight prophets talk about the future. Read over all the leafs of the Bible which expresses the most lightful hope of the people; read over the words of Buddha prophesying about Maitreya; look how tenderly Muslims talk about the prophet of the future..."

In most gloomy times amidst narrowness of thoughtlessness most clearly sounded the encouraging voice speaking about the great Advent, about the New Era – time when mankind would be able to use wisely and inspiredly all the opportunities they had been given. Everybody interprets this Bright Era in his own way but all agree in the language of heart. In every heart, in the whole human world their lives the same striving to Good... Is it hard to agree in Good? Let us remember all the legends about Saints of all times and nations... Saints become panhuman and belong to the whole world as steps of true evolution of humankind [14].

Roerich had repeatedly pointed at special planetary mission of Russia which he named «the land of Saint Sergius» and which according to him «had been given the fearless determination towards renewal of life». **Unlike some other states, Russia has no interest in war.** Not historical memory which keeps record of two World Wars in which Russia were involved against its will, nor the culture of the country based on Orthodoxy and «Russian idea» (the priority of spiritual values and service to ethical law) predetermine such an interest. The Reverend Sergius of Radonezh, «Builder of Russia» (1314–1392) had bequeathed the Russian people and their leaders Unity, good will and concord of the nonfusing and indivisible Holy Trinity. He blessed Prince Dmitry and two monks not just for battle with Mongols, invaders encroaching on independence of the country but making a historiosophical generalization – for a battle with the powers of evil. The enemy which Russian troops fought on Don river was a military empire setting domination, exploitation and demolition of human freedom.

This pattern has been reproduced in the historical reality again and again each time forming potential or real causes for war. In this term the way of peacekeeping is uncompromising struggle. Principles of peaceful social life in harmony and its unconditional advocacy from any aggressor (Mongols, Swedes, Napoleon, Hitler, etc.) are the ultimate historical values of Russia to which it remains faithful to the present day.

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2.5. Principle of Spherical/Societal Security of Global Peace. *Manijeh Navidnia*

This article is a continuation of my article on the same subject in *the ABC of Harmony* [15]. It was set inextricable link and dependent societal/spherical security from the level of social harmony. Consequently, societal security is an essential attribute of global peace, which, like security, has a source of social harmony. As adopted in this book (see the first chapter), the source and actors of social harmony is harmonious classes of the population employed in four spheres of social production – SPHERONS. In this regard, logically now analyze societal security as necessary consequence of SPHERONS together with global peace. Societal security in its symbiosis with global peace performs instrumental function of SPHERONS for its provision. Therefore, societal security can be recognized as a necessary principle of global peace, for which both SPHERONS are full responsible. True and full-scale security can only give global peace from harmony of SPHERONS, as shown in the preceding chapters.

The SPHERONS concept theoretically allows defining the following key features of societal security:

1. "Reference object" and "type of threat", corresponding to the four spheres of social production, in which workers SPHERONS and
2. The phases or stages/levels of societal security, constituting an endless cycle of global peace, the limit to improve which does not exist.

The security assessment requires extensive statistics, in the first place, the threats and risks in each social sphere. Unfortunately, for most of them, such statistics do not exist. It can get a powerful stimulus for the development in connection with the development of global statistics of SPHERONS (see chap. 2). Theoretical development phases and cycles of societal security in every sphere within their harmonization carried SPHERONS is a new important task of global peace science, which requires a lot of efforts and time.

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2.6. Principle of Tolerance of Global Peace. *Ernesto Kahan*

"On the threshold of the new millennium, when the prevalent ideologies have come into contradiction with reality, Global Harmony Association makes its appearance offering humanity the necessary philosophical vision of peace from world harmony."

Ernesto Kahan [3, 84]

"Powerful leaders know that if we continue without making changes there will be a universal tragedy".

Ernesto Kahan

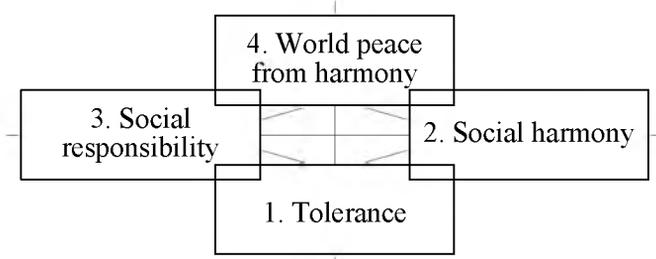
"People don't get along because they fear each other. People fear each other because they don't know each other. They don't know each other because they have not properly communicated with each other."

Dr. Martin Luther King, Jr. [16]

The issues of this article, which are very important and existential for present humankind, were proposed by Dr. Leo Semashko, the editor of this book. Since they can fill the contents of one or more treaties, I will try to present a summary of my way of thinking and answering the questions: a) Why it is necessary and urgent to act in order develop process for harmony and peace? Or as Dr. Semashko presented as Need for Tetranet Revolution in the 21st Century and b) Why must art and science interact in order to make this process successful?

In a previous communication [17], I already presented the interaction between tolerance, harmony and responsibility for world peace, as it showed in model-18.

Model-18. Tetranet interaction between tolerance, harmony and responsibility for world peace



In the mentioned communication this process towards the achievement of universal peace is explained due to the fact that for first time in the documented history of man, the human society is facing two real opposed feasibilities. *"On one hand, by the use of atomic weapons or slowly by the destruction of the environment, there is a real possibility to completely exterminate life on Earth; and on the other hand, it is now possible to totally eliminate hunger in the world – what seemed incredible just few years ago – and also to achieve a universal contract of harmony that will assure the peaceful relationship among the countries. Such a universal contract of harmony can be achieve by tolerance which is a kind of negotiated acceptance by each component or by groups of the components of the system. Harmony should be the basis for the peaceful coexistence among nations and political agreements. Harmony can never be eternal and complete, but is essential in the present stage of our civilization if mankind have to survive"*[17]. In a kind of a poetic way I say that:

Without peace there will be no life
Without harmony there will be no peace
Without tolerance there will be no harmony
Without a culture of peace there will be no tolerance
Without a spiritual culture there will be no culture of peace
Without education there will be no spiritual culture of peace
Without democracy there will be no education
Without education there will be dependence, war and pain
THE END OF LIFE! [18].

Concerning the question: "Why art and science must interact to make this process successful?" the answer is obvious because both, scientists and artists should be responsible and free thinkers, ethically and socially.

In the current world, after all the greatest technological and scientific advancements, there is still much inequality of opportunities and terrible misery. Today, we write and publish in Web pages and magazines of literature, but we do not reach at the population, since only a very small part of it can read and write and have access to Internet. In the World Conference on Science, under the auspices of UNESCO in Budapest, July 1999 [19] scientists declared that they concede *"that scientific research and the use of scientific knowledge should respect human rights and the dignity of human beings, in accordance with the Universal Declaration of Human Rights and in the light of the Universal Declaration on the Human Genome"*.

Both must sustain mutual dialogues and proposals for a more secure and dignified society; because poetry, music, dance, painting, sculpture... each one, as I said, with a different language of expression, tries to stimulate our emotions and for that they look for to touch the fibers of our more intimate and deep feelings of our life. However, we must consider that in the present human society, art and science are quite separated in the methodology used for study and action. This is the result of the different approach between the scientific objectivism and the artistic subjectivism that occurred as the consequence of Scientific Method introduced during modern era [20].

The Oxford English Dictionary defines the scientific method as: "a method or procedure that has characterized natural science since the 17th century, consisting in systematic observation, measurement, and experiment, and the formulation, testing, and modification of hypotheses" [21]. Art and science began to analyze the problems of society in an independent angle and without interacting among them. Furthermore, the different methodology utilized and the separated development of linguistic expressions of communication, were factors for the current lack of dialogue between science and art [20].

This separation did not exist in the past. In the Renaissance scientists and artists were integrated and had a common field of action. For example, Leonardo da Vinci (1452 – 1519) was painter, sculptor, architect, physics, cosmologist, geologist, engineer and anatomist. Since it is expected and necessary a new era of communication between artists and scientists, a common work should begin; obviously, in the framework of the new dimension of science and technology.

We think that the contemporary community can find in the "Tetranet interaction between tolerance, harmony and responsibility for world peace" (Model-18), the potentiality to orient the dialogue between science and art, through ways that will guide the present globalized society towards rails of survival and progress.

Writers in general and poets in particular must be the lyric voice of the peoples in a dialogue with scientists to contribute to a new humanistic development of science and technology for the progress and survival of humanity. Although today poetry is in a romance unto itself, the poets have a great challenge, to be the messengers and the guardians of the language, to enrich it and keep alive the flame of our condition as social human beings in cultural communication. **My letter to the Universal Peace** [22]

You, beloved
are my tree of golden apples
the road of the wheat fields of tolerance,
the song of the winters waiting for more heat,
and my letter – of this morning –
which I left in your mailbox,
and says: I love you.
Peace,
immaculate sweet maiden,
roses dreaming of the sunlight
Oh life! Oh beloved!
The rain on you, the rain in the garden
and my kisses to you
do you feel them?

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http://peacefromharmony.org/?cat=en_c&key=338; <http://lialdia.com/tag/profesor-ernesto-kahan/>

The GPS Editor in Chief comment. Certainly, tolerance is a necessary principle and component of global peace from harmony. But this positive subjective attitude, education in it and its culture are strong only on the basis of objective scientific knowledge of system global peace, presented in global peace science (GPS), which is its ultimate objective basis in people's minds.

2.7. Principle of the Highest Dignity of Global Peace. *Evelin Lindner*

This article develops the ideas of my past work of *the ABC of Harmony* [23, 176–177]. Human relationships are rapidly changing in the world today. During the past millennia, in most parts of the world, relationships were characterized by the relentless ranking of human worthiness – it was generally accepted that some people were born *high* and others were born *low*. This is the *dominator model* of society, as Riane Eisler (1988) calls it. Today, this model is no longer feasible, at least not in the long term.

Humankind is beginning to see the value of respecting all people as *equal* in worthiness rather than as *unequal*. We emphasize that the objective equality of SPHERONS in their social nature creates an unshakable foundation for equality of people in dignity and to avoid their humiliation. Also nature is included in this transition. All around the world, we observe how people attempt to move toward *partnership* (Eisler) or *non-domination* (Pettit, 1997), be it partnership among ourselves or with nature. “*All human beings are born free and equal in dignity and rights,*” this is the first sentence of Article 1 of the Universal Declaration of Human Rights, adopted by the United Nations General Assembly on December 10, 1948. This sentence invites all human beings into *one single* human family, no longer a divided family, and a family where all members are respected as equal in dignity. In the context of human rights ideals, it is felt as humiliation when this equal membership is being denied. Equal dignity is recognized in the Declaration as one of the bases of global peace, thus humiliation of dignity of people is one of the sources of wars.

In the English language, the verb *to humiliate* had a prosocial meaning until 1757. It was generally accepted that superiors would show inferiors their proper place in the social order by exposing them to humiliation. This practice ranged from rigid hierarchical seating orders to beating and torturing. It was in an encyclopedia in 1757 that for the first time the verb *to humiliate* was described as an antisocial act, as the violation of a person’s dignity (Miller, 1993).

In this new context, humiliation can no longer be used by masters to create humble underlings, because humiliation is experienced as an undeserved and unjust violation of dignity that must be redressed. All around the world, subordinates who formerly accepted humiliation quietly are now rebelling against their assigned subservient status in the social order. War is the most cruel humiliation, the most undeserved and unjust violence of dignity, which cannot be tolerated. **Peace and harmony can no longer defined as underlings simply keeping quiet in the face of this humiliation as it was before.** Humankind is in the process of moving from traditional arrangements of ranked honour to a new vision of human dignity connected with SPHERONS’ theory. It is a move from ranked honour in a divided family toward a world to equal dignity in a united family who cherishes its diversity.

As a result, we must come to understand that humiliation in its many forms – such as disrespect, denigration, derision, or dehumanization – becomes a much more powerful force than ever before to breakdown relationships (Lindner, 2006). Based on twenty years of global research, humiliation could be aptly understood as a *nuclear bomb of emotions* [24]. As peace is the highest human dignity, providing his life, so war is the highest humiliation of human dooming him to death [25].

War and associated with it the worst humiliation of person may be excluded in a *decent society* based on the equal dignity of social harmony. Avishai Margalit calls for a *decent society* that does not humiliate its citizens [26]. Leo Semashko has deeply thought about the ways to shape a decent world and its global peace from social harmony of SPHERONS as the partnership model [3, 84–85 and other].

However, so far, world-wide, decent relationships are still far from being achieved. What is reigning instead is a form of domination disguised as partnership. Growing influence of corporate interests threaten the emergence of the partnership model. Self-serving individual

achievement and cutthroat competition are being promoted, rather than long-term sustainable collaboration. Still too many practices, policies, and institutions induce and intensify humiliation.

It is clear that humankind is moving through dramatic relational changes, as well as facing dire political, economic and environmental challenges to our existence. To develop the vital knowledge we need to address these daunting challenges, our ways of thinking and shaping our world also need to change. This means creating conflict where it is necessary, rather than being divided by unnecessary conflict or being bribed into accepting humiliation. We need to create mutually supportive, humiliation-free global systems that bring people together in equal dignity and help us protect our planet. If we are to survive as a human species, we must develop systems of unity in diversity that encourage everyone's best contributions of knowledge, creativity, and wisdom toward this goal. **The world needs new models of living together that dignify the lives of all people**, of our relationships with each other and our relationship with a fragile planet. A similar model is constructed to change the world in this book devoted to global peace and overcoming the main humiliation of human dignity – the war.

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2.8. Indian Commandments of Peace from Harmony. *Kanak Mal Dugar*

At the end of the colonial era, just after Indian Independence, a divine inspiration guided the founder of Gandhi Vidya Mandir, Shri Kanhaiyalal Dugar to spread the message of Peace and Harmony through Value based Education. After due planning he started Gandhi Vidya Mandir on 2nd October, 1950, on the birth anniversary of Mahatma Gandhi. Subsequently, he donated all his wealth and took Sanyas (asceticism) and was known as Swami Shri Ram Sharan ji Maharaj. The institution started working in the field of education, health, rural development, social welfare and research in the very backward and desolated that desert region of Rajasthan.

In 2002 Gandhi Vidya Mandir (GVM) proceeded a step ahead in the direction of achieving its long cherished goal of inculcating human values in the students when University status was granted to one of its constituent IASE Deemed University. Today it has eleven colleges, six schools, rural development centers, Agro-science centre, Gaushala (Cow Home), Orphanage and Craft Training facilities etcetera on its campus of over 1000 acres.

Two most liked slogans which were the path markers in the life of our founder Swami ji were:

- i. No one is other, No one is another (*Koi Aur Nahi, Koi Gair Nahi*)
- ii. No desires, be utilized (*Kuch Mat Chaho, Kaam Aa Jaao*)

They became commandments for educating students in the spirit of peace from harmony at GVM and IASE University. Even today I think this is the royal path of harmony because till the evils like greed, selfishness, desires, laziness (idleness), feeling of inequality and intolerance persist in any equation the conflict remains. When no one is another, we are all the same as the creation of the Nature or the creation of its master (as one believes), thus disharmony dwindles; when there is no desire, conflict can never arise. When the feeling of being consumed and utilized for others comes, Harmony blossoms automatically as the source of global peace.

The spiritual master of our founder Revered Swamiji gave these ideals for GVM:

1. Introspection, that is by critically observing our mistakes through self-generated power of discretion.
2. Emphatically resolving not to repeat our mistakes.
3. Adopt doctrinal experimentation with ourselves but have faith in others, keeping the binding of laws for ourselves but love and forgiveness for others.
4. Regenerate and reorient ourselves by the mastering our desires and senses, serving others, remembering supreme consciousness and quest for truth.
5. Never treat others duty as our right, others benevolence as our virtue, others weakness as our strength.

6. Develop family like oneness irrespective of the differences and diversity.
7. Render all possible creative service to the nearby society.
8. For physical betterment use self-control in diet and recreation and maximize self-reliance in meeting our own needs.
9. Make one-self beautiful by industrious body, Spartan mind, prudent intelligence, loving heart and egoless personality.
10. Give more importance to goods over coins; persons over goods; discretion over person and Truth over discretion.
11. Abnegate useless thoughts and positively utilize the present for a bright future.

Another important reality is that disharmony has to disappear from the inside of the personality of individuals. One has to be in perfect harmony with themselves and only then we can think of Global Harmony. These golden principles when adopted can start the transformation from inside. Disharmony then will start fading down as the society starts proceeding towards adopting these principles. Then only Global Harmony from ABC to Z can be achieved. The ABC of Harmony lifts these principles and ideals on the new spiritual level of human integrity and strengthens the consciousness of inner harmony as the ultimate source of peace.

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2.9. Principle of Restoring Sanity and Establishing Peace in Strangely Disordered World. *A.K. Merchant*

There is a conviction deep in every human heart that life has meaning beyond the struggle for survival. But what exactly is the purpose of our existence? To understand the purpose of our existence, we need to first understand the true nature of a human being. When we think about the phrase “human nature”; what images come to mind? Is it something positive or negative? Are we simply a collection of instincts, appetites, urges and emotions, or are we something more? Is there anything that distinguishes us from animals?

We share with the animal world many characteristics related to our material existence. However, we also have a spiritual nature, what some would call in India, the *atman* (soul), and it is this spiritual nature that determines our true purpose. The purpose of life for the individual is to develop spiritual qualities and perfections, and to advance towards Divinity that too, collectively. Such development does not take place through idle worship. Nor can it be achieved in a life dedicated to the pursuit of worldly desires. Fulfilling the purpose of one’s life – which is to know and worship the Divine – requires activity in the arena of the collective life of humanity; it calls for selfless service to society.

The growing interdependence and the intensifying interaction among diverse peoples pose fundamental challenges to old ways of thinking, believing and acting demanding their revolution, like the one that makes in GPS in this book. How we, as individuals and communities, respond to these challenges will, to a large degree, determine whether our communities become nurturing, cohesive and progressive, or inhospitable, divided and unsustainable?

A recent survey of the world conditions appeals for “*a complete reconceptualization of the relationships that sustain society. The deepening environmental crisis, driven by a system that condones the pillage of natural resources to satisfy an insatiable thirst for more, suggests how entirely inadequate is the present conception of humanity’s relationship with nature; the deterioration of the home environment, with the accompanying rise in the systematic exploitation of women and children worldwide, makes clear how pervasive are the misbegotten notions that define relations within the family unit; the persistence of despotism, on the one hand, and the increasing disregard for authority, on the other, reveal how unsatisfactory to a*

maturing humanity is the current relationship between the individual and the institutions of society; the concentration of material wealth in the hands of a minority of the world's population gives an indication of how fundamentally ill-conceived are relationships among the many sectors of what is now an emerging global community" [27].

The unfettered cultivation of needs and wants has led to a system fully dependent on excessive consumption for a privileged few, while reinforcing exclusion, poverty and inequality, for the majority. Each successive global crisis – be it climate, energy, food, water, disease, financial collapse – has revealed new dimensions of the exploitation and oppression inherent in the current patterns of consumption and production. Stark are the contrasts between the consumption of luxuries and the cost of provision of basic needs: basic education for all would cost US\$ 10 billion; yet \$82 billion is spent annually on cigarettes in the United States alone. The eradication of world hunger would cost \$30 billion whilst some \$92 billion are spent in the United States for combating obesity [28]; i.e. as reported by the UN Department of Public Information, “the estimated cost of closing the gap between current trends and what is needed to meet the target ranged from \$10 billion to \$18 billion per year [29]”. By comparison, the world's military budget, unaffected by recession, has risen to \$1.70 trillion in 2012 of which approximately 45% is by the United States [29].

The purpose of the collective life of humankind is “*to carry forward and ever-advancing civilization [30]*”. Civilization has two essential components, material and spiritual. Both of these have to advance simultaneously if humanity is to achieve prosperity and true happiness. “*No matter how far the material world advances, it cannot establish the happiness of mankind... Only when material and spiritual civilization are linked and coordinated will happiness be assured [31]*” as taught by Bahá'u'lláh, the founder of the Baha'i religion. Thus, we can see that we have a twofold purpose in our lives: knowing and realizing the Divine, and walking the path of collective service for the advancement of civilization, as we know it. To this end, knowledge, volition and action play a central role in fulfilling both these purposes. Knowledge is the foundation of civilization; the will to act and the deeds we perform moves us forward. The principle of the oneness of humankind implies, then, an organic change in the very structure of present-day society.

Since scientific and spiritual knowledge is so fundamental to both personal growth and the advancement of civilization, every human being should have access to knowledge and have opportunities to play a contributory role in its generation, diffusion and application for the betterment of society. The disharmonious and disordered world is a loss of sanity and unity. GPS develops the conscious, scientific sanity, which is required to establish global peace from harmony and transform disharmonious and disordered world into consciously organized and harmonious world order of its new-thinking global actors – SPHERONS. Steps and architecture of this order are disclosed in GPS presented in this book.

“Every truth,” said the German philosopher, Arthur Schopenhauer, “*passes through three stages before it is recognized. In the first stage it is ridiculed, in the second it is opposed, and in the third stage it is regarded as self-evident [32]*”. These steps GPS will inevitably have to go. But this is a level of testing its sanity.

Bahá'u'lláh, founder of the Bahá'i Faith, proclaimed: “*The well-being of humankind, its peace and security are unattainable unless and until its unity is firmly established;*” “*the earth is but one country, and humankind its citizens [31]*.”

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2.10. Children and Youth Leadership in Building Global Peace. *Nina Meyerhof*

The previous generations, as well as modern, did not know what global peace is. They do not know the global peace science (GPS), which is created only now by the collective efforts of GHA. GPS overcomes the traditional historical ignorance in social harmony, revealing the scientific way of building global peace from harmony as its first source. Therefore, to study, to learn, to develop and apply this knowledge to build global peace will future generations, today's youth (this is the age group 15–30 years to the UN definition) and children.

To solve these problems the organization *Children of the Earth* (COE) was created, as a not-for-profit, 501 © (3) [United States legal non-profit designation], officially recognized United Nations NGO organization, dedicated to the building of a better future for all generations. To this end, COE offers Youth leadership programs globally, educational workshops, conferences, as well as presentations at national and international forum. COE promotes building networks and coalitions of groups with common purposes to further the concept of creating greater global cooperation, multicultural understanding, spiritual values and ethical living. COE's goal is for Youth to hear the call, one by one, and individually become socially responsible and active peace builders.

The 21st century holds the greatest possibilities for an integrated peaceful and prosperous global community. Connected by telecommunications and a growing spirituality, humankind has a chance to actualize an evolutionary state of being. At the same time, the future has never before been more challenged by worldwide terrorism, poverty, rapid climate change, inadequate education and health care and geopolitical unrest. The kind of world that the next generation will experience will depend upon the collective vision and intention of world leaders. As long as the global culture is grounded in fear, greed and ignorance in social harmony, we will continue to use our human and financial resources for war and destruction. As we shift towards love, compassion and education on the base of GPS knowledge, we will deploy resources for the common good, lifting up all people to a life of hope and security.

Today, science and spirituality are coming to the same conclusion that all people are intrinsically similar; the human genome project has proven that we are genetically 99.9 % alike with only 1 tenth of one percent that makes us different. (The same argues and psychological human genome, which was discovered in *the ABC of Harmony*. [3, 44–45].) Until we realize that I am you and you are me, only then will right action and thought be supported by the universal laws of society unfolded in GPS. Until we can concentrate on what makes us the same instead of what makes us different, only then can we deal with the challenges ahead. It is imperative that we spend our time and resources on young people, supporting leadership and educational experiences, first of all in GPS, that promote respectful communities, common ethics, sustainable practices, global peace, and economic opportunities.

Children of the Earth is an organization whose purpose is to create a network of young leaders committed to the promotion of peace and opportunity. Under the visionary leadership of Dr. Nina Meyerhof, COE has been bringing youth together for over 25 years, providing community and networking opportunities to young leaders who are committed to positive global change. By developing a culture of co-operation, collaboration, mediation, relationship-building and understanding of our common humanity, these young people go back to their local communities and influence others through sharing their vision of how we can be together in global peace from social harmony.

The mission of the COE is to support Humanity in creating a future that embodies the universal values of peace, tolerance, dignity, freedom, equality, and solidarity for all life. COE's handbook: PIONEERING SPIRITUAL ACTIVISM [33] offers structured learning opportunities to young people that inspire, motivate and unite them to translate these universal values into global action and culturally appropriate projects in their own communities.

As one recognizes the youth are the world's engines of change. COE has pioneered spiritual activism through educational training models she created: *Reflect, Connect, Act*, which have been delivered to youth in over 60 countries and transformed communities worldwide. This experience and the COE possibilities greatly enhanced with the advent of social harmony science presented in *the ABC of Harmony* [3], and with the creation on its base GPS, presented in this book. In this direction, a new culture of traditional spiritual values develops.

As SPIRITUAL PEACEMAKERS, youth from all corners of the world are recognizing and remembering that there is hope to live as a human family. Youth are tapping into their inner life and reuniting with their true spiritual nature and this reflection leads to a sincere ethical life.

COE seeks support to propel this movement forward through mutual partnership to raise consciousness and social action among our world's youth population. The intent of raising awareness that youth throughout this world are realizing and are being called forth to reveal that there is a global consciousness attempting to arise in the hearts and minds of humanity. This consciousness is what is being called the "spiritual revolution" or the evolution of humankind into full awareness.

It is quite evident that even the adults of this new paradigm thinking are still the greatest stakeholders in the present reality although continuing to believe in the necessity of change. Change can occur but only through educational means. New models of any relevant content or lasting ability can only emerge and alter the face of our systems' effectiveness if a person is willing to alter their entire life. Adults must recognize that they are really only the gatekeepers to this emerging consciousness revolution in GPS and not the recipients. In spite of their great interest in this GPS revolution, they must be informed to not believe that they will ever know or will ever experience the outcomes of this evolving consciousness revolution.

COE is a catalytic learning organization and empowers young people all over the world to become spiritually conscious leaders by employing these methodologies of inner reflection (meditation) to find one's authentic inner voice and to take inspired altruistic actions for a better planet. We call it "*Reflect, Connect, Act: Spiritual Activism*."

Youth leadership here is defined as taking initiative based on an inner understanding of one's personal purpose after tapping into the consciousness field for activating peace-building within their own lives, the lives of others and in the world.

The Oneness Movement seeks to transform the world through a shift youth consciousness worldwide by daily Oneness mindfulness meditation, uniting in a revolutionary interactive heart-based site called the Global Heart to exchange and share innovation and inspiration, receive mentorship, and learn about inner transformation to activate the altruistic need to change behaviors and create acts of kindness and community projects of positive action. Children of the Earth commits to building this platform for youth leaders of the world to organize themselves into a relevant spiritual peacemakers movement. One project in design, is the youth of COE will establish an interactive Global Heart for Oneness Movement & Campaign, a global *Inner Revolution for Social Evolution*. COE, joined by others around the world, will launch the effort of uniting 180 million youth worldwide. The goal is to foster a catalytic tipping point to transform our world into a more peaceful and sustainable planet through inner reflection, social transformation and new technologies from harmony.

If we are to alter the course of history that is doomed within the next 25 years and build a New Civilization of Humankind then we must find our commonalties, unite in consciousness and then design alternatives to the structures we have thus created. This is the role of youth. They can be brazen enough to assess internally the potential answers for our survival.

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2.11. Social Responsibility for Global Peace.

Matjaz Mulej, Anita Chrast, Leo Semashko

The responsibility for global peace can carry those social groups who are able to provide it in its entirety. Above it has been found that such groups are SPHERONS. But they can be responsible only if this responsibility is conscious for them that will come if they move from an intuitive and spontaneous state to conscious one. This is possible at their education in GPS.

It is important to emphasize the asymmetry of responsibility for war and peace. Any group or nation starting a war is responsible for the war and for breach of peace. But no such group or nation, i.e. none one PARTON cannot be responsible for global peace. Only SPHERONS, uniting and including all PARTONS, may be responsible for global peace.

As the GPS and its SPHERONS remain unknown, so far social responsibility for global peace remains terra incognita for all organizations, including international together with the UN, in the Charter of which we find not responsibility for "global" peace, which is often substituted for the concept of local peace anywhere in the world. Therefore, in the industrial militaristic civilization virtually no concept, understanding and science of global peace, its actors and because there is no scientific concept of responsibility for it. For any war as a violation of global peace, all of humanity is responsible, all of its SPHERONS, which can and should prevent any attempt to global peace of any PARTON if SPHERONS are aware of this and have the necessary practical institutions for this purpose. Study on global peace and responsibility for it is connected with the further study of SPHERONS in GPS as actors of both.

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Dr. Leo Semashko, Initiator and Editor in Chief of the book "*Global Peace Science*"

2.12. Principle of Happiness of Global Peace. *Marianna Poghosyan*

The principle of happiness of global peace in GPS is the most obvious but at the same time the most generalizing principle, as the peace state is real happiness and war is the worst of all human miseries as the war brings death and deprives a person of his/her main inalienable right – the right to life. Peace, as opposed to war, provides it. It was understood thousands of years ago and expressed by almost all thinkers.

Harmonious Civilization Universal Declaration, created members of the Global Harmony Association (GHA) and supported by like-minded people from other countries [34, p. 21–30], once again proves the need for creation, awareness and ratification of the universal concept of "global peace from harmony", based on the scientific theory of global social harmony, first presented in *the ABC of Harmony* [3].

The inevitability of knowledge and use of harmony is now widely spoken by the different scientists. For example, Stanislav Grof, author of the book "*Beyond the Brain*" [35] believes that the solution of contemporary problems requires a new science called "*Science about Systems of Harmony*" based on Fibonacci numbers and the Golden Section, bringing together the ends of the parts into a beautiful set of perfect harmony. He believes that this will restore and deepen the relationship between science and art as the two complementary methods of detection and reflection of objective harmony of the universe. But this is the technical science, it is powerless before social harmony and scientific understanding of global peace, which grows only from the harmony of social parts not of the Fibonacci numbers, and so on.

Based on this social need, the necessity to create GPS from harmony is unique and by far the most urgent responsibility of mankind. It makes the most important agenda of the progressive development peace from harmony in pernicious destructive century of industrial civilization. GPS should be universal for all people tool and beacon in the chaos and immorality of our wars against the principal vector of life and happiness, against ourselves. After all, in the end, the formula of the existence of all living things in peace from harmony is principle of authentic Harmony.

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2.13. Principle of Women's Priority in Global Peace

Ayo Ayoola-Amale, Vera Popovich

GPS reveals the most powerful natural forces of peace in society. The first such force are SPHERONS that shown in the first two chapters of the book. They include the most powerful peacemaking force, which have women. It expresses the principle of women's priority in management of peaceful society based on the appropriate law of SPHERONS in GPS. Female half of SPHERONS, by nature, is intended to bear and raise children, of which grow all people as the main social resource. Women can do so in peace and for peace and not for war as murder of their children. Therefore, women are a major actor of global peace and how the child's mother, his main teacher, and as the inspirer and educator in harmony for the male half of SPHERONS. The woman is the main source of harmony within them. In place of militarization she stands harmonization.

It was long been noted and expressed in world literature and art and now in science. The famous Japanese poet Raityo Hiratsuka said, "Woman was originally the sun!". Her harmony is sung in countless masterpieces of poetry, music, painting and sculpture of all time. The woman is mother of mankind. Unfortunately, in the past history, women bear and raise children mostly for the wars and violence in which they were killed millions. The woman as the sun, heat and light of harmonious enlightenment of children is a key actor of global peace from harmony. But patriarchal militarist societies with male power, women and children are deprived, oppressed, and unequal with limited rights.

Therefore, if humanity is to get rid itself from male militarism, its power and democracy have changed the face for women and ensure that women have priority in the democratic management of society. Global peace demands that women's priority in social management was constitutional, that at least 50% of the seats in all parliaments and organs of power were reserved for women, plus a children's suffrage, executed by parents, especially mothers. It is only way humanity to get rid of militarism, war and violence. Children's priority in society and priority of women in the social management are the necessary priorities for global peace. GPS is the first scientific instrument of women in the struggle for global peace, for children's priority and for their priority in social governance. These priorities provide an objective global peace and raise the rights and status of women in society and their role in the adequate place. This will be a new, harmonious and peaceful civilization with female profile. But it requires long and active peacemaking women's efforts, the sprouts of which grow stronger over a century.

Women's work for peace is recognized now more than ever before. Women in developing countries coming out of violent conflicts are calling for more recognition of the vital role of women in bringing harmony, peace and stability to their respective communities and countries. Women who are grounded in humanity, women in their non-violent struggle for peace, the safety of lives and women's rights must be celebrated for their significant contribution to peace and security.

In Africa, women's leadership is not the norm but the exception, in spite of the fact there is a tradition of women's involvement in the community. Culture is being used to keep women from leadership roles. In conflict situations, law is defined by the rule of the gun. This is so, because the perception is that war is necessary to get power. War is believed to be a battle for power. Women can get peace processes going and need to be supported. Here are a few examples, starting with Africa.

Leymah Gbowee is Liberian activist, peacemaker, born in 1972. She is a woman for peace, a trauma counselor and executive director of a pan-African organization, the Women in Peace and Security Network, working to promote women's role in peace building and conflict prevention. In 2003, she organised a large women's peace movement that made an important contribution to bringing an end to her country's 14-year civil war. She along with her collaborator Ellen Johnson Sirleaf, helped usher in a period of peace and enabled a free election in 2005 that Sirleaf won. This made Liberia the first African nation to have a female president. She, along with Ellen Johnson Sirleaf and Tawakkul Karman, were awarded the 2011 Nobel Peace Prize "for their non-violent struggle for the safety of women and for women's rights to full participation in peace-building work."

She recalled how she finally realized that the Liberian child soldiers were also victims of conflict like the women. She said "They were recruited at 8, 9 or 10 years old, given drugs and guns. A lot of them were arrested at their place of recruitment; working with them I could see they were victims like myself. The perpetrators are the ones who give the guns and I realized then that even if it was going to kill me, I would say something; I would say something to Charles Taylor" – the civil war leader. "I would say something to Charles Taylor about the horrible future he has created for Liberia".

Former Minister of Justice of Kenya, **Martha Karua**, who led the peace negotiations in the country, said we are all inter-connected. If we, women, are working to achieve peace then we must stand out **and talk about peace**. There are millions of people living in poverty and most of the conflicts around the world are about a scramble for resources. There can't be durable peace without women. **When we focus on peace, we are giving true meaning to democracy.**

Asha Abdallah, a Somali politician, a Muslim member of parliament, criticized the Somali government for its lack of democracy and openness. She once said that "Somalia is the most neglected humanitarian crisis in the world, a community of mother's grieving over their children." Because of the high mortality rate of Somali men in wars, 65% of the Somali population are women, followed by Parliament secured only 12% of the seats. However, as stated Asha Abdallah, "the warlords do not allow 12% of women in parliament, limiting their number, only 8%."

Women have the capacity to rebuild from the grassroots up re-uniting the people in the process. In Djibouti 100 women came up with a formula for the women to be separate from the clans by negotiating between the warlords and the clans." They reformed the Transitional Federal Government. Women peace builders strive to bring peace and equality to the world. In conflict women suffer more; they suffer more violence to their body and their person, therefore affirmative action for women is important.

We have prominent women leaders in peace building and human rights activists from all over the world who speak on the necessity of international support for the role of women's leadership in peace building, negotiations, promoting reconciliation between communities, tribal leaders and war lords especially in ethnic conflict.

Another example. **Wazhma Frogh**, an activist in the Afghan women's network who has passed through a lot of problems taking part in the Afghanistan peace process. Frogh reported at the Grand Assembly or the Peace Jurga, that there were only 300 women out of 2300 citizens from the entire country. She was the only woman among tribal leaders and MPs. She was in committee 13. She recalled "On the first day I walked into the room and no one said 'hi'

to me. So for the first day I listened. On the second day I said 'hi' and again no one responded. As the day progressed it seemed that the process was stuck on negotiating a treaty." She soon came to realize that: "the tribal leaders did not understand the difference between a treaty and an agreement. So I said: 'can I help you?' I stood up and explained the difference between a treaty and an agreement. On the third day they selected me as head of the programme."

The tribal leaders thought that all they needed was to be stronger, to have more guns, more soldiers and more equipment. Frogh asked them a question: "What do you want at the end of 2014? Two thousand men are able to shoot or an efficient protection where goods and people are able to move around safely?" Consequently, Committee 13 then said, "We shall lobby for you to become our representative at the Security Council." In Afghanistan at the provincial council level, we find all men initially but twenty-five women are involved now. Women need the support of their communities. They make a huge difference through active contribution to peace and human rights activism. Their decisions at the grassroots improve lives and are therefore very beneficial to the community.

According to Wazhma Frogh peace in Afghanistan can only be possible through campaigning at the grassroots, the Afghanistan people have to own it. NATO's policy should not interfere in "cultural" matters. The failure to acknowledge the rights of women is detrimental to building a stable society in Afghanistan. She said "We have to take reconciliation back to people's homes." Frogh rightly said, "NATO don't count how many women are able to travel safely to school or work," they arm local militias, and "the biggest instruction NATO soldiers get is – don't speak to Afghan women, because the Afghan men will kill you. If they see a woman getting killed or attacked by Afghan men they don't get involved because that violence is 'local, cultural'." To NATO it is a success indicator when there is reduction in suicide attacks. She believes that "we need to lobby for the empowerment of women in the peace process. It should be women that lead the peace process. **NATO Security Council really has to reform itself into a people's organization necessary for peace.**"

Women need to be in leadership roles in peace negotiations and women empowerment should be at the core of human rights issues. They are very vital in preserving the generations. There is the need for us to bring a lot of African women to the negotiating table. It is very important to give recognition to women were peace builders, who did great things for their communities, in their respective field. These women are worthy of being emulated by others. It was by no means a smooth journey for women to gain recognition for their great peace work.

Bertha von Suttner, author and a woman for peace, was the first female Peace Laureate in 1905. In 1931, Sixteen years after, Jane Addams, won the Peace prize, then another fifteen years, in 1946, Emily Greene Balch, academic, writer, won in recognition for her work with the Women's International League for Peace and Freedom (WILPF); she shared it with John Mott.

It took 46 years (1976) before Betty Williams and Mairead Corrigan (née Maguire) both community activists were recognised for their work in the Northern Ireland peace movement.

The Nobel Women's Initiative was founded by Williams and Corrigan in 2006, along with other Laureates Wangari Maathai, Shirin Ebadi, Rigoberta Menchu Tum, and Jody Williams. These six women brought together their unique experiences as a team to help strengthen peace building work done, and support of women's rights around the world.

There are many other famous women leaders in peace-building and human rights. These activists from around the world talking about the necessity of international support for women's leadership in peace-building, in the negotiations, in promoting the reconciliation of communities and tribal leaders in ethnic conflicts. These examples illustrate the vital importance of the women's priority principle in global peace, which is formulated in GPS.

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2.14. Global Peace and its Science as the first Common Good of the XXI Century. *Francois Houtart, Leo Semashko*

The struggle for Common Goods is related with the history of capitalism. In England, the “enclosure” of the common lands has been one of the main origins of the capitalist system. To reduce the “commons” and to transform them in private property was the beginning of a process of accumulation. Common lands were considered as wasted lands. Land reforms like the ones of China and Vietnam have restored this notion, with the socialization of land.

Today, neo-liberalism all over the world has reduced the social conquests of more than a century, among them the organization of public services, social security and popular education, creating new forms of poverty. Struggles to restrain such a trend and to reorganize areas of solidarity, have been developed among social movements: labour, peasants, women, indigenous peoples. In Latin America post-neoliberal governments have reestablished or increased programmes against poverty, better access to health and education, social insurances, development of formal labour, public investments.

In the present situation of crisis, the concept of Common Good has known a new life. It is used by the struggles to restore public services. It became part of the discourse of neo-keynesians rightly afraid of the consequences of the economic turmoil. Post-neoliberal Governments in Latin America use the word to justify their political practices. International organizations like UNCTAD speak about “global common good”. Surely there is nothing wrong in emphasizing this concept, and in a short time it may be useful to alleviate the fate of millions of people. However it should not serve as an argument to reproduce the existing economic system, with some improvements.

This is why the notion of *Common Good of Humanity* is proposed as a new paradigm (fundamental orientation) of the collective life of Humanity on the planet. It means the possibility of creating, reproducing and bettering life on earth. This is proposed not in an idealistic platonic view, neither in the tradition of utopian socialism, but in response to a system destructing the earth and having adopted a sacrificial economy able to eliminate entire social groups in name of progress. It is a radical critic of the kind of modernity transmitted by the logic of the market and not completely abandoned by the socialist experiences.

Concretely, it means to transform the four “fundamentals” (spheres) of any society: relations with nature; production of the material base of all life, physical, cultural, spiritual; collective social and political organization and culture for global peace as *Common Good of Humanity*.

Developing the idea of a “full theoretical revision” of traditional capitalist paradigm of the common good, which has led to a systemic crisis and the death of this paradigm [36, 33], we can say today that process of updating it should go in the direction primarily global peace and creation of its science. The problem of global peace has never been central into industrial (capitalist) conception of common good, because peace was meant as something self-evident and natural, that corresponds to the total intuition of SPHERONS’ global peace; on the other hand, if war and recognized as disaster, the small and even healing, as bloodletting in medicine of the past. However, due to a deep understanding of the catastrophic danger of rapidly growing military potential of mankind for its survival and the preservation of nature, attitude to it and its alternative became vary.

The war, with its devastating consequences for the Earth global ecosystem and humanity, became a real possibility threatening the very important right of human and nature – the right to life. Therefore, global peace has moved into a number of first-class values of *Common Good of Humanity* in the XXI century. But humanity in their cognitive potential of the social sciences, because of their more than one or two century-old backlog, was not quite ready for the scientific approach to the problem of world peace. Existing "peace studies/researches" do not solve the problem because they do not have a holistic objective approach, steeped in "paranoia" of various subjective approaches and opinions, showing degeneration and senselessness of this form of scientific knowledge of peace, which, of course, is not without some private useful discoveries as it is shown in the third chapter. The traditional social sciences are not able to respond to the new challenge: "*What we need now is a radical change in the paradigm or, in other words, in a fundamentally new orientation of human life on the planet*" [36, 5].

A radical paradigm shift offers *the ABC of Harmony* [3] in his planetary model of global harmony – in its social genome SOCIONOME that described above and which is the basis of GPS in new understanding global peace as first *Common Good of Humanity*. This paradigm allows us to understand the identity of the common good of humanity with global harmony and global peace, grows only from harmony, not of war. Developing the logic of this paradigm further, we can say, if global peace is the first necessity in context of globalization of social relations in the XXI century so GPS is the first common good in new century as without it global peace from harmony cannot exist. Without scientific understanding and awareness of a holistic system of its conditions from social harmony, it cannot be a conscious and planned construction on the Earth by thousands of nations in 7–8 billion people within long-term (almost infinite) future. Only science of peace can take such a mission, making it the first necessity and the first common good for the future of society.

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2.15. Harmony Principle between Science and Religion in GPS

Kurt Johnson, David Ord

"Global peace science does not yet exist. We must create this science"

Global Harmony Association [37]

Global peace is impossible without overcoming the traditional mental/spiritual conflicts and disharmonies between different political ideologies, between different world religions, between science and religion, between science and art, between science and the humanities, and so on, which are expressed in their respective worldviews and philosophies. The existence of these contradictions caused by different social groups, generating them and standing behind them: the countries of the capitalist and socialist orientation, believers of different religions, adherents of science or religion, science or art advocates and etc. Their socio-cultural, political and economic contradictions are reflected in the contradictions of their worldviews, philosophies and ideologies.

In this social situation, there are two logical options. 1. If we consider that the contradictions of these social groups are ineradicable, we must recognize the eternity of their spiritual conflicts and wars between them. 2. If we consider that the contradictions of these social groups are temporary (historical) and solvable that behind them are always harmonious and wider (very extensive) classes of the population – SPHERONS, on the basis of common interests of which can harmonize all the conflicting interests of private groups, PARTONS, we

must recognize the possibility of harmonization of all the spiritual contradictions. (see the book first chapter). Together with it, we have to recognize the possibility of integration into the harmony of all mental diversity based on common scientific knowledge of their overall social source – SPHERONS. The second option is logic deployed in detail in this book. Within its framework, we try to identify and disclose the principle of harmony between science and religion in GPS as an essential attribute of global peace, which is formed at the moment.

Although not all people are the scientists and believers but science and religion concern, anyway, of all people. Science and religion are the eternal and necessary forms of social consciousness, which complement each other by different ways of knowledge and transformation of reality with the priority of one of them in different historical epochs. Each of them has its own advantages and disadvantages. On the basis of the contradictions between them arise many conflicts, often poured into armed conflicts and wars, including the inter-religious wars, in which the parties accused each other in "impiety" and "wrong" understanding of God, and so on.

Science and religion, long polarized, now appear to be moving rapidly toward inevitable rapprochement – the result of new views of the universe emerging for some centuries, particularly in the last two. Today scientists speak of the incredible complexity of reality in terms that equate to religious awe. The quantum world, string theory, and now M-theory in physics have rapidly introduced a dynamic “vibratory” view of reality on a global scale. A cosmology of potential multiverses and additional dimensions is also being proposed, along with the heralded discovery of the universal Higgs-Boson energy field announced by physicists in 2012.

There is now a chance for a meaningful dialogue – especially if religions can step into the modern worldview, shedding dogmatism from less-enlightened eras. The new dialogue of science and religion is however not an easy one. The disciplines are different in nature, respectively emphasizing the objective and the subjective – oddly enough the domains of our species’ left and right brain hemispheres. There are arenas for appropriate exchange and also areas in which the fields and their methods must be quite separate.

Historically, we have inherited a world that traditionally divided science and the humanities into “The Two Cultures” (identified in C. P. Snow’s famous 1959 lecture and subsequent book of the same name) [38]. This prevailing worldview that the subjective realm of the humanities and the objective realm of science would remain separate has changed only recently, as acknowledged in the 1993 reprinting of Snow’s own classic, in a new introduction by Cambridge University professor Stefan Collini [39]. A “Third Culture” is now being predicted – one representing this creative rapprochement. And it is cross-disciplinary. Today, Harvard economist David Korten [also of *YES* magazine] is pioneering recognition of a new “Integral” cosmology addressing both religion and science that might bring together the cultural elements of the purely religious, or purely scientific, cosmologies that have long been at loggerheads across our world culture [40].

Today’s hope for development of a mutual respect and true understanding of the necessary nuances appropriate to science and religion results from the fact we live now in a universe acknowledged as a continuum from the infinitesimally large to the infinitesimally small. It’s also a world in which we acknowledge the mutuality of objective and subjective knowing in our day to day life. These are no longer strict dualities, even blurring what is today seen as the normal or paranormal.

While scientists who venture into proclamations for or against religions are veering from doing actual science, we can never be quite sure what real science will be able to tackle next. This realization should inform every ongoing debate about what is actually real or not real. Similarly, religion must be careful not to misrepresent scientific concepts or misuse scientific terms to serve a purely metaphysical agenda. Such misuses by either enterprise bring both religion and science into further mutual disrespect – a perennial historical problem.

Science and religion are more likely to respect each other, and create a promising dialogue for our global future, when those who engage in them hold and proffer views that are worthy of respect and seen by both as authentic processes of inquiry and exchange. Numerous new books explore this “*Infinite Potential*” (to quote the title of one by physicist and humanitarian Lothar Schaefer [41]). Another is *Entangled States: Science and Faith* by Nicholas Knisely [42].

We explore this dynamic at length in our recent book *The Coming Interspiritual Age* [43]. As we note therein, it’s widely acknowledged today that science is humanity’s “public” way of knowing – a method of inquiry that (much like jury trials in most legal systems) lays out evidence and draws appropriate conclusions – while spirituality (and its offspring, religion) are our “private” ways of knowing. Both are natural and a part of who we are. Inevitable globalization and multiculturalism (whether we are speaking of the cultures of nations or of knowledge) demand, and are engendering, this new rapprochement.

Currently the educated 30–40% of our world’s peoples embraces religions that incorporate both science and religion in a theistic evolutionary view. The latter is often referred to as “recognizing the epic of evolution” as a part of the theistic understanding of process. This suggests that we can successfully create cosmologies and accounts of our origins and reasons for being here in a context that’s compelling for both religious faith and secular knowledge. Today we even see science-friendly movements within evangelical Christianity, attempting a new kind of discussion around the compelling data of science, without jettisoning a faith whose texts are anchored in millennial ways of life [43, 48–50].

The Global Harmony Association and its Global Peace Science is so important on the path of rapprochement and harmonization of science and religion. If a spiritual inclination is part of the fundamental wiring of human beings, it’s even more imperative that the world turn spirituality *and* science away from their prevalent current cultures of isolation and fragmentation. GPS helps various world religions to find a common social source in harmony of SPHERONS and be their scientific argument in ending of religious wars and justification of interfaith harmony (see below.). As the founder of the modern Interspiritual Movement, Brother Teasdale, made clear, writing in his now classic book *The Mystic Heart: Discovering a Universal Spirituality in the Worlds Religions* (a book also much devoted to scientific discussion): “The necessary shifts in consciousness require a new approach to spirituality that transcends past religious cultures of fragmentation and isolation.” He added, “This new paradigm must be able to accommodate all human experience, knowledge and capacities,” be “built both on intellectual integration and direct experience,” and “make available to everyone all the forms the spiritual journey assumes.” [44, 12, 26, 35, 65]. It’s our hope that the Global Peace Science initiative, theoretical platform which was created in *the ABC of Harmony* [3], can be a major contributor to this historic direction. The way to harmony of science and religion is bilateral, which alone can provide a spiritual ground for global peace.

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2.16. God as Value and Moral Imperative of GPS

Kurt Johnson, David Ord, Leo Semashko

Global Peace Science (GPS) cannot ignore multi-millennial experience of different religions in peacemaking but must use it within of their natural harmony. Interfaith harmony rooted in SPHERONS, which for religions are source of deep intuition of global divine peace from social harmony and for science as objective source of true knowledge of the same content. But science is incomprehensible to most people and religion is close and acceptable for them. Therefore, it would be extremely unwise to neglect, with any point of view, religious peacemaking experience in GPS. It enters into GPS not only the principle of harmony between science and religion but also the need to recognize God as the value and moral imperative of global peace and its science – GPS. All this is inextricably linked into GPS.

The source of this conclusion is a universal fact that all religions of the world recognize God a source of peace, not war. God created all things in peace and harmony, not in war. War is the fate of limitations, ignorance and unreason of people in their aggressiveness (through mythological gods Ares and Mars in ancient times) and not God, the fate of whom is the universal and eternal peace from harmony within the Cosmos created by Him. Therefore, God always has been and remains in all religions by peacemaking value and moral imperative for all nations and people. This universal and multi-millennial religious experience is included as a principle in GPS, paving the way into it for all believers, and on the other hand, the path of science in religion. This mutual penetration strengthens and develops each of them, opens up new prospects for peace-making influence on people. Therefore, the principle of God as the supreme value of peacekeeping and higher moral imperative for people and nations is an organic part of GPS.

But this principle acquires today a new integral meaning of interspirituality, which we have already spoken. There is a profound historical process currently unfolding – the rapid manifestation of a globally emergent “universal spirituality” inherently connected to the compelling moral and ethical values underpinning the world’s Great Wisdom Traditions. The difference now is that the shared deep moral and ethical values *themselves* are now being emphasized, gradually eclipsing particular religious creeds and dogmas which (in the more superficial dimension of ideas or beliefs) previously characterized a more fractured and parochial landscape among the world’s religions.

It is important that people understand what has happened. A major background event to this (known by some but not by all) was the thirty-some year process, through the Snowmass Inter-religious Initiative (involving delegates from across all the world’s traditions [43, pp. 127–151]), creating the “Nine Points of Agreement” among the world’s religions [45, pp. xvii–xviii; 42, pp. 212–216; adapted and updated, 41, p 341]. Further, from these then emerged, a distinct values and ethical component regarding the new universal spirituality articulated as the “Nine Elements of a Universal Spirituality” [44, pp.109–157; adapted and updated, 43, pp. 370–371]. Globally now, most interfaith discussions are based, knowingly or unknowingly, on these elements or principles. The nine-points put forward by the Snowmass Initiative include these shared principles:

1. The world religions bear witness to the experience of Ultimate Reality to which they give various names: Brahma, Allah, (the) Absolute, God, Great Spirit.
2. Ultimate Reality cannot be limited by any name or concept.
3. Ultimate Reality is the ground of infinite potentiality and actualization.
4. Faith is opening, accepting, and responding to Ultimate Reality. Faith in this sense precedes every belief system.
5. The potential for human wholeness – or in other frames of reference, enlightenment, salvation, transformation, blessedness, nirvana – is present in every human.

6. Ultimate Reality may be experienced not only through religious practices but also through nature, art, human relationships, and service to others.
7. As long as the human condition is experienced as separate from Ultimate Reality, it remains subject to ignorance, illusion, weakness, and suffering.
8. Disciplined practice is essential to the spiritual life; yet spiritual attainment isn't the result of one's own efforts, but the result of the experience of oneness (unity) with Ultimate Reality.
9. Prayer is communion with Ultimate Reality, whether it's regarded as personal, impersonal (transpersonal), or beyond both.

These are the more mental, intellectual, or “left-brain” elements of the consensus that has been arising across the world’s religions for the last three decades. They approach a scientific form, which makes them more coherent with GPS as one of its highest principles and moral imperatives.

On the other hand, the “Nine Elements of a Universal Spirituality” reflect the traits of personal character, or spiritual maturity, that would reflect the values inherent in the Nine Points of Agreement. The Nine Elements not only represent the aspirations of authentic spirituality but also describe its goals and fruits. Each circumscribes a realm of spiritual and ethical inquiry and responsibility and each contains multiple aspects that are critical to global interfaith harmony education:

1. Actualizing full moral and ethical capacity
2. Living in harmony with the cosmos and all living beings
3. Cultivating a life of deep nonviolence
4. Living in humility and gratitude
5. Embracing a regular spiritual practice
6. Cultivating mature self-knowledge
7. Living a life of simplicity
8. Being of selfless service and compassionate action
9. Empowering the prophetic voice for justice, compassion, and world transformation.

In sum, these principles – springing from whatever language is used (Brahma, Allah, (the) Absolute, God, Great Spirit etc.) – emphasize the great ethical and wisdom teachings of the religions, with their stress on the grandeur of humanity – a grandeur that is not only the heart of authentic religion but of the science and arts, including literature, poetry, music, art, dance, and all the other manifestations that mark *Homo sapiens* as an unparalleled species. Therefore, GPS cannot do without this rich spiritual potential of peace, which is covered by the principle of God as value and moral imperative.

Rev. Dr. Kurt Johnson, David Robert Ord (bio-notes see in the previous article).

Dr. Leo Semashko, Initiator and Editor in Chief of the book "Global Peace Science"

2.17. Nonviolence Principle of GPS. The People's Nonviolence Charter

Robert J. Burrowes, Anita McKone, Anahata Giri

(Editor's note. Global Peace from Harmony excludes violent, therefore the GPS important principle is principle of non-violence, the version of which is presented in detail in "The People's Nonviolence Charter" of three Australian scientists published abridged below.)

THE PEOPLE'S CHARTER TO CREATE A NONVIOLENT WORLD

Launch date: 11 November 2011. Publication [46].

Recognising that:

1. The United States government dominates world affairs and is engaged in a perpetual war (sometimes presented as a 'war on terror') to secure control of essential diminishing natural resources (including oil, water and strategic minerals) from what the 2010 United States *Quadrennial Defense Review* <http://www.defenselink.mil/qdr> refers to as 'the Global commons' (which means, in effect, anywhere in the world, including the land of other peoples). The USA, with less than 5% of the world's population, consumes 33% of the world's resources

2. The United States government (sometimes together with pliant government allies in Europe, the Middle East, Asia, America and Australia) maintains occupation forces in countries such as Afghanistan, Iraq and the Mariana Islands

9. Indigenous peoples in many countries have been dispossessed of their land, culture, spirituality and human rights by settler populations from other countries

10. The use of nuclear materials to generate electricity and create weapons of mass destruction exposes humankind and other species to unnecessary and unacceptable risks of radioactive contamination

12. The Earth's natural processes are being degraded and destroyed by human violence including (but not limited to) the destruction of ecosystems

13. There is a massive and increasing number of refugees and internally displaced persons caused by the use of military violence and climatically induced 'natural' disasters

14. Many people devote their energy to the design, manufacture and/or use of weapons and torture equipment in order to harm, mutilate or kill fellow human beings

15. The global economic system, maintained by Western military violence, results in the death through starvation-related diseases of one child in Africa, Asia or Central/South America every five seconds, often denies ordinary working men and women a fair return for their labour, forces many people in industrialised economies into poverty and/or homelessness, and ruthlessly exploits the natural environment and nonhuman species

16. Violent and/or discriminatory practices often deny many groups – including (but not limited to) children, aged people, women, working people, indigenous peoples, and so on [47; 48]

17. The global slave trade denies 27,000,000 human beings the right to live the life of their choice, condemning many individuals – especially women and children – to lives of sexual slavery, forced labour or childhood military service

18. Terrorist organisations, criminal organisations, drug cartels and cults use terror and violence to exploit ordinary people

19. There is widespread violence in the family home, in schools, at the workplace and on the street

20. All of the violent behaviours described above have their origin in adult violence against children: this violence generates the warped emotional and behavioural patterns that later manifest as adult violence in its many forms [47; 48].

21. It is human violence – against ourselves, each other and the Earth – that threatens to cause human extinction

22. National governments, international government organisations and global institutions (such as the United Nations, the World Bank, the International Monetary Fund and the World Trade Organisation), all of which represent national elites, are not capable of addressing the above problems...

The Purpose of The People's Charter:

This Charter identifies eight aims of a nonviolent strategy to mobilise ordinary people, local groups, communities, non-government organisations and international networks opposed to these and other manifestations of human violence to explicitly renounce the use of violence themselves and to take nonviolent action to strategically resist this violence in all of its forms for the sake of humankind, future generations, all other species on Earth and the Earth itself.

The aims of this nonviolent strategy are as follows:

1. To convince or, if necessary, nonviolently compel the United States government and United States corporations to no longer use military violence and economic coercion to control world affairs for the benefit of the United States elite and its allied national elites in Europe, the Middle East, Asia, America and Australia

2. To convince or, if necessary, nonviolently compel the United States government and its allied governments to completely dismantle their military (including nuclear) forces and overseas bases, to decolonise or end their occupation of all occupied territories, and to instead adopt a strategy of nonviolent defence

3. To encourage all individuals and organisations currently resisting the military and/or economic domination of the United States elite and its allied elites to recognise the shared nature of our struggle and, when appropriate, to coordinate at local, regional or global level our acts of nonviolent resistance to this domination

5. To support the development and implementation of comprehensive nonviolent strategies to end violence in the home, slavery, the sexual trafficking of women and children, the use of child soldiers, as well as the existence of terrorist and criminal organisations, drug cartels and cults

7. To encourage the people of the industrialised world (except those already living in poverty) to each accept personal responsibility for reducing their consumption of global resources to a level that is commensurate with genuine equity for all human beings on Earth and the ecological carrying capacity of the Earth itself, particularly given the needs of other species [49].

8. To encourage all adults to understand the violence they (unconsciously) inflict on children and to take responsibility for ending this.

The methods of this nonviolent strategy are as follows:

1. To listen deeply to ourselves, each other and the Earth

2. To engage in acts of nonviolent resistance and creation: acts of nonviolent protest and persuasion, acts of nonviolent noncooperation and acts of nonviolent intervention, including the creation of new organisations, communities, institutions and structures that genuinely meet the needs of all beings in a just, peaceful and ecologically sustainable manner. (For ideas about nonviolent actions, see Gene Sharp, *The Politics of Nonviolent Action*, Boston: Porter Sargent, 1973. <http://www.aeinstein.org/books/the-politics-of-nonviolent-action-part-2/>) [50].

The People's Charter Pledge:

Having read and agreed with this Charter:

1. I pledge to listen to the deep truth of myself, others and the Earth

2. I pledge to make every effort to progressively eliminate the violence I inflict on myself, others and the Earth

3. I pledge to engage in acts of nonviolent resistance and/or creation to bring about a nonviolent future on Earth.

The biodata of the three authors of Melbourne, Australia is as follows:

Robert J. Burrowes has a lifetime commitment to understanding and ending human violence. He has done extensive research since 1966 in an effort to understand why human beings are violent and has been a nonviolent activist since 1981. He is the author of 'Why Violence?' **Web:** <http://robertjburrowes.wordpress.com>

Anita McKone has been a nonviolent activist since 1993. Her work on environmental and anti-war campaigns led to further intensive research into the deep psychological roots of violence. She works to fully comprehend and end behaviours that are destructive of the Self. She is the author of *Fearless Psychology and Fearful Psychology: Principles and Practice* and has also written and recorded eight 'Songs of Nonviolence'. **Web:** <http://anitamckone.wordpress.com>

Anahata Giri has walked the path of nonviolence in many ways. Anahata has been involved in environmental and peace activism, worked in the domestic violence field as a community development worker and is currently a yoga and meditation teacher with her own studio, 'One Heart': <http://oneheartyyoga.com.au/>. She explores embodiment practices as a way to listen deeply to ourselves, so we can engage with the world with awareness and compassion.

2.18. Justice Principle in GPS. *Leo Semashko*

Justice is a very broad social quality, which has a specific manifestation in every sphere of society (justice: economic, political, information and social) [50a and etc.]. It was discussed by many philosophers from Plato. In the most general case, justice is deserved emolument and possession. Center of justice is a necessary accordance (harmony) between any action and its assessment, reward for it. GPS limits justice by the issues of war and peace: is people deserving or undeserving peace or war? But this is the most universal problem concerning all aspects of justice in all social spheres as it relates to the key issue of human existence: life and death.

Peace is life and war is death. What people deserve – life (peace) or death (war)? This seemingly obvious and simple question is still open, as the wars accompany history of humanity and their threat became mortal for it in a whole today as if it deserved death. Rightly or wrongly but it is an immutable historical fact. Its meaning, obviously, is that the ignorant people and nations who are unable to solve issues peacefully, based on knowledge of social harmony, worthy of death, when they decide disputed issues through violence, war, killing each other, developing all possible means (weapons, military science, industry, budget, etc.) to do so. Obviously, this is just for these people and nations: voluntarily condemning and joining themselves to war to kill other people, they deserve to die. The aggressor

deserves to die. This is the essence of the Nuremberg Tribunal decisions over the Nazis in 1946. **That is a cruel, but a moral and righteous law of justice in militaristic industrial and pre-industrial civilizations.**

But it is local in the social space and time. It never had and cannot have a universal scale, which is identical to self-destruction of mankind, though with modern weapons of mass destruction such a possibility has become a reality today. The other side of this law is the eternal memory to the victims and fighters against the aggressor. It is the single justice of the livings relatively to the fallen from the aggressor.

The military threat to human existence defines the most important social need of global peace and its science (GPS), which rid mankind from this threat. GPS formulates the **principle of justice for global peace as a principle of deserved life for enlightened in harmony humanity able to solve all issues peacefully, without war and on the base of scientific harmony instead violence.** Anyone deserves life, who gives and takes care about peace and about harmony as its source. From the standpoint of this principle not only every war but also the possibility of military self-destruction of humanity is injustice for all living and future generations, because they are deprived the opportunity to seek peace, to know it, to build it and to live in peace, without wars. All attempts to ignore global peace, its science, its discussion and development, its rapid recognition, implementation and dissemination in the educational system and media are an injustice to humanity and refusing it the right to deserved life as if it was doomed to eternal death, a permanent and ineradicable war. As the cause, source, actor and guarantor of global peace in GPS are recognized SPHERONS, so only they are the objective bearers i.e. cause, source, actor and guarantor of justice in society.

This principle also touches to very important and perhaps the most important problem of just and unjust wars, which is discussed over two thousand years in the corresponding just war theory (*jus in bello*) and which must be included in GPS in its interpretation considering historical approaches to it [51; 52; 53; 54; 55; and etc.]. From the perspective of GPS, just war is the liberation and defensive or ethically "rightful" war in protection of freedom, human rights, dignity, peace and harmony of people and nations. The United Nations Charter of 1945 banned the threat or use of force, except in cases of individual or collective self-defense. Unjust war is an aggressive, expansionist and imperial war that violates freedom, rights, dignity, peace and harmony of other people and nations. But detailed development in GPS the just war theory is the future task.

Of course, the justice principle in GPS (as, however, and its other principles) requires deeper and more detailed studies from the standpoint of integral social science of GPS, to what are unable traditional, limited and fragmented, social sciences.

Dr. Leo Semashko, Initiator and Editor in Chief of the book "Global Peace Science"

2.19. Humanism Principle in GPS. *Leo Semashko*

The principle of humanism is a necessary principle of global peace, therefore and its science – GPS. Peace is the first condition of humaneness, and humaneness is the first requirement of peace, about what wrote almost all humanists in the history of mankind. Humaneness and peace are inseparable; they do not exist without each other. This is determined by the fact that peace excludes war as the first threat to humaneness as war is the killing and death, and therefore it is 100% anti-humanism and misanthropy. Humanism can be only to the living but not dead as humanism is no exist for the dead. Therefore, neither of which humaneness we cannot talk while wars are thriving. The true and full humaneness is only ensured with global peace, i.e. total exclusion of wars. Humanism begins with global peace. This simple truth expresses the principle of humanism in GPS. This principle defines the humaneness of global peace and its science and at the same time anti-humaneness of war and military science, which emerged for two centuries before GPS. GPS must now fill the gaping voids of humanism overcoming the rocks of military anti-humanism in all spheres of society in accordance with the spherical laws (Chapter 5).

The science of global peace (GPS) simultaneously is the science of global humanism, as it reveals the necessary conditions of global peace, which are simultaneously equally necessary conditions for global humanism [56].

Dr. Leo Semashko, Initiator and Editor in Chief of the book "Global Peace Science"

2.20. Supreme Target Principle of GPS: Nonviolent Victory of Peace over War Based to Civilizational Revolutions of Harmony

Subhash Chandra, Leo Semashko

The whole human life is in a state of turmoil and disharmony because modern industrial civilization is based on violence. *"We have entered the third millennium through a gate of fire"* said Kofi Anan [57]. We are threatened by nuclear destruction and economic collapse. Nuclear armament is the major threat to world peace. *"In the event of a nuclear war there will be no victors because there will be no survivors..."*, said His Holiness the 14 Dalai Lama [58]. *Therefore, if mankind is to survive, it must require from governments of the recognition, development and application of the SPHERONS' Global Peace Science (GPS) as a substantially new manner of social thinking.* As our twenty-first century society undergoes rapid change, people seek more solid ground in spiritual and moral values and also in GPS principles as guideposts for navigating in our time. These values and principles of global peace were discussed above in the first approximation.

They found generalization in the GPS supreme target principle of Nonviolent Final Victory of Global Peace over All Wars in prolonged, until the end of the 21st century, persistent and conscious on the basis of GPS, peacebuilding work of SPHERONS of humanity. Now it is impossible and pointless to try to present all the details of this highly complex, long and difficult historical process, the main qualitative characteristics of which are expressed in the laws and principles of GPS. As emphasized in the fifth chapter, each spherical law defines an appropriate **civilizational revolution of harmony**, forming one of the new foundations of social harmony for new, harmonious civilization. They are the spontaneous revolutions of harmony, which are transformed into conscious harmonious civilizational revolutions based on GPS. They and their harmonious social foundations, formed by them, in the aggregate provide in the 21st century non-violent victory of global peace over war.

These great revolutions of the 21st century are prepared evolutionary, at different times, in different countries and at different paces. Naturally, they come hard and painful, accompanied to spontaneous level by the crises, conflicts and local wars, degradation in some respects but with an obvious progress in general.

The most mature, powerful and obvious to everyone today is the **Information, Technological Revolution – Internet & Communication**, revolution in information processing, which has become practically a global, ensuring the harmonization and rapid worldwide exchange of PIOT resources: people, information, organization and things (material goods and services). In its framework the **Revolution of Social Sciences** is prepared, the first tangible manifestation of which finds a place in the creation of GPS.

Together with the Information Revolution is maturing **Economic Revolution** [59 Rifkin] in the ways of organization of material production, in methods of obtaining and distribution of incomes from it through their harmonization in gradual reduction of the gap between rich and poor countries and population groups but with preservation of economic diversity and exclusion of full equalization. It is accompanied by the preparation of **Financial (monetary) Revolution**, manifested in replacement of the national currencies by the regional financial instruments (such as the Euro in EU), which bring change of existing, disharmonious and unjust global reserve currency (U.S. dollar) to its acceptable, fair and harmonious for all countries alternative, for example HARMON [34, 119–126].

These revolutions of harmony raise the question of **Political Revolution** or **Revolution of Democracy**, which requires eliminate typical and insurmountable flaws of traditional democracy: **militarism, corruption, elitism** (limited interests of a narrow elite, its priority) and **nationalism**, with its limited national borders and interests and inability to solve global

problems. Overcoming these vices and harmonization of democracy can only occur with the expansion and new structuring its social base in terms of political and legal constitutionalization of SPHERONS. It will providing their stable, internal and harmonious political opposition and constant mutual control vertically and horizontally, turnover of power, priority of children through their suffrage and women's priority through constitutional recognition for them not less than 50% seats in all the organs of power. Just like, **spheral and harmonious democracy will be able to provide a Revolution of General and Complete Disarmament and to crown it nonviolent global victory of peace over war.**

The revolutions of democracy and disarmament will be, by Martin Luther King' definition "*shift the arms race into a peace race.*" Naturally, these revolutions of harmony require fundamental changes in all spheres and branches of global society, **revolutionary shifts of education, spirituality, culture, art, language of international communication, and others.** Their progress is impossible without these changes, the germs which let different scale, we are seeing today, and which are expressed, in one way or another and form, in the following chapters. All these civilizational revolution of harmony is inevitable and necessary as any revolutions in the historical evolution of mankind. But their detailed scientific study is the future matter of integrated social science based on GPS.

The center of key revolution of social science, providing understanding of nonviolent victory of peace over war, is the transition from military science to science of global peace (GPS) and the emergence of this intellectual alternative into knowledge and thinking of mankind. **Its birth happened more than two centuries after the emergence of military science. Through an alternative of military science and GPS passes the revolution of social science, which, in turn, acts as a trigger for other revolutions of harmony, primarily for political (democracy) and spiritual revolutions.**

The military science of modern times occurred over two centuries ago in Dietrich von Bulow's book "*Spirit of modern military system*" (1799). The Encyclopedic Dictionary Brockhaus and Efron says: "*The founder of the new military science can be considered A.D. von Bülow, published in 1799 a book entitled: "Geist des neuern Kriegssystems"*[60]. **The military science has determined the victory of war over peace in the next centuries till now.** Germany became the birthplace of military science, the leader of militarism and it unleashed two world wars in the 20th century. The military science ensured the dominance of war over peace, turning peace into a slave, preparation and respite between wars. It made war by the first thing taken care in the budgets of all governments worldwide, instead of peace, leaving to it "zero funding." It led humanity in the late 20th century to the complete self-destruction in a nuclear war.

The science of global peace (GPS) originated in 2015 in the eponymous collective book of Global Harmony Association (GHA): "*Global Peace Science*", which was first published in Russia, in Russian language, in St. Petersburg, through more than two centuries after the founding of military science [3a]. Birth of GPS in peaceful Russia is natural and logical as it has the most favorable for peace historical and spiritual conditions (for details, see chapter 10). GPS creates for Russia a new historical opportunity to become a world leader and center of peacemaking to unite peacekeeping countries and organizations in the struggle for global peace, which is dedicated chapter 10. The GHA highest target principle – **victory of peace over war** as total exclusion of the wars from future history of humanity by the SPHERONS fully meets the interests of Russia and all other peace-loving countries and organizations. These countries and organizations are primarily interested in the victory of peace over war, ready to recognize both the GHA highest target principle and SPHERONS as its objective by nature actors. (A scientific theory of SPHERONS in their essence and functions are deployed in the first two chapter of this book).

SPHERONS based GPS are able to provide full victory of peace over war in the framework of the 21st century, for decades, needed to build a new, peaceful and harmonious civilization with new, peaceful institutions of economics, politics (democracy), culture and education. GPS will receive the recognition, development and necessary funding in all countries, all peoples and governments as the only worthy and necessary scientific accompaniment of social and economic progress instead of military accompaniment. **It will make this progress equally accessible and effective for all nations without exception.** It will free humanity from the constant Damocles sword of nuclear self-destruction. The military science is limited with private, branch thinking and GPS extends its boundaries up to holistic thinking, only which is available to comprehend global peace in all entirety of its key conditions and its ultimate victory over the war.

This is general comparison of the two sciences: military and peace (GPS), which is detailed in all chapters and explains the ways of victory of peace over war. The first practical step towards this victory, we can name the initiative of a number of international peacemaking organizations to declare through the United Nations "A year of 2020 without wars, global ceasefire" [61], if it is to reach its goal. This initiative is remarkable but alert extreme simplicity bordering with primitivism ("*The AYWV vision is quite simple, one year, 2020, without war*"), in understanding of global peace, which cannot be limited to one year, if the next years will remain the military, in wars. This initiative requires understanding from the GPS scientific positions as the first practical pilot step towards to global peace, which will define ability of all countries in the world to free from war, at least for one year. This is a very interesting experiment for GPS.

Last. The principle of victory of peace over war in GPS overcomes a secondary (after war) role of peace in the past civilizations as a break between wars and how preparation for a new wars, which continues up to now. This principle approves an absolute role of peace and the elimination of all wars in a new, harmonious civilization of SPHERONS. **Therefore, only with this principle of GPS, peacemaking revolutionizes moving from helpless, always losing to war traditional peacemaking to a radically new, victorious over all wars and any militarism peacemaking based on GPS.** Weakness and humility before war, the secondary role and degradation of traditional peacemaking is overcome in the 21st century only in the GPS way of peacemaking. Therefore, this principle expresses the revolution of peacemaking through a revolution of its thinking in GPS. Only this thinking can not only dream but also to provide the necessary infrastructure for historic victory of peace over war. That is the GPS supreme target principle crowning their system in this science.

Dr. Subhash Chandra, GHA Secretary General and GHA Ambassador of Peace and Disarmament from Harmony: http://peacefromharmony.org/?cat=en_c&key=583;
Board of Trustee, Global Peace Foundation, India; www.globalpeace.org

Dr. Leo Semashko, Initiator and Editor in Chief of the book "Global Peace Science"

3. Conclusion. Overall Picture of Values and Principles of Global Peace

Leo Semashko

In this chapter we have reviewed many of the values and principles of global peace in GPS, the diversity of which is their unity in harmony and forms the core of Global Axiology (the teaching of values) as part of GPS. But we did not cover, for various reasons, a number of its other important and generally self-evident principles – respect, freedom, brotherhood, equality, understanding and so on. All the principles of global peace characterize it as a higher common good of humanity and without it the first right and value of every human being – the life – is always under threat. Only global peace is completely frees humans from this threat in

society. A more complete and detailed system of the GPS principles will be presented in the subsequent editions of this book. **For start, as they say, it is enough.**

The war rejects and violates all of the principles and values of global peace: oneness, common good, life, love, culture, tolerance, dignity, happiness and others. **War is anti-value in all dimensions and peace is value in all dimensions.** If the war rejects and tramples all these values, to whom it can be valuable, attractive and positive? Obviously, this is a rhetorical question. As the great Italian philosopher Pico della Mirandola (1463–1494) said: *in the power of man to rise to the level of God or fall to the level of an animal.* It is clear that the war is only acceptable for people to the level of animals, scorned all human values, unable to organize a peaceful life of society and turning the human mind against himself and others. The matter is also in the historical community of people and underdevelopment of society. The traditional communities, including national and ethnic groups have been unable to ensure global peace and its listed values in the past many thousands of years of history. It will be able to make a new, conscious community of people – SPHERONS armed with relevant scientific knowledge and facilitating other forms of social consciousness. The system of universal values, united in harmony, can be scientifically defined and developed as a global axiology based on GPS and the theory of global harmony [3]. They define the Global Axiology, opposing to military science and anti-value of war in the following definitions.

The war is opposed, tramples and destroys each of enumerate values and each respective principle.

War – is a common evil, instead of the common good of global peace!

War – is discord and separation instead of unity among all people and nations in the world!

War – is hatred instead of love between people in global peace!

War – is destruction and death of nature instead of its maintenance and life in global peace!

War – is barbarism and savagery instead of the high culture of global peace!

War – is constant threat to the life of everyone, rather than security of global peace!

War – is extreme intolerance of people instead of tolerance of global peace!

War – is extreme humiliation of each instead of dignity of each in global peace!

War – is the lack of sanity of people instead of mind in global peace!

War – is the death of children, youth and women instead of their priority in global peace!

War – is irresponsible for life instead of responsibility for it in global peace!

War – it is enmity between religions and with science instead of their harmony in global peace!

War – is the worst misery instead of happiness in global peace!

War – is ugly and disgusting instead of beauty and joyfulness in global peace!

War – is murder, unnatural violent death, a crime against humanity as a violation of all the natural laws of human life instead of their ensuring and keeping by global peace!

War – is violation of the creations of God and His Commandments instead of reverence of Divine global peace!

War – is evil, slavery, lack of freedom, violence, injustice, crime, inequality, misanthropy, greed and cruelty not pleasing to God, rather than Godly goodness, freedom, non-violence, justice, equality, brotherhood, generosity, humanism and compassion of global peace! Of course, all of the negative qualities of war belong to the characteristics of unfair, aggressive war.

Similarly is a comparison of war and peace on any value. This proves the inhumanity of war and its incompatibility with the life of humanity and its extreme pathology. Only global peace based on GPS with enormous potential of peacefulness of religions, art, science and other spiritual forms able to heal and liberate humanity from this generic pathology and limitation of its social intelligence.

Dr. Leo Semashko, Initiator and Editor in Chief of the book "Global Peace Science"

3.1. GHA Humanity Charter: World Peace & Oneness from Harmony Science

Subhash Chandra

“All human beings are born free and equal in dignity and rights,” this is the first sentence of Article 1 of the Universal Declaration of Human Rights, adopted by the United Nations General Assembly on December 10, 1948. This sentence invites all human beings into *one single* human family, no divided in disharmony and a family where all members are respected as equal in dignity and harmony of social/human diversity.

According to Ancient wisdom – Indian Vedic Philosophy: Harmony is *Vasudheva Kutumbkam* (entire world being is a single family in harmony of diversity but abandoning all hostile and disharmonious divisions). Harmony of diversity is unified system of this diversity in consent and coherence of all its parts.

Harmony as in diversity may be intuitive and spontaneous as in the past; and conscious and scientific as in the future. Intuitive harmony of diversity is first expressed in the Vedic tradition “*Vasudhaiva Kutumbkam*” (Social World is one Family), where family is the intuitive image of harmony.

Conscious harmony of diversity becomes possible together with the birth and development of its scientific theory in the GHA three collective books: “*Harmonious Civilization*” (2009), “*The ABC of Harmony*” (2012) and “*Global Peace Science*” – GPS (2015 and 2016). They are the spiritual/scientific launch of harmonious civilization, which appears and begins inside the disharmonious industrial civilization together with a new, harmonious consciousness and thinking. It is the first, scientific and spiritual revolution in the evolution of harmonious social world, which is reflected in the “*Harmonious Civilization Universal Declaration*” (2009: http://peacefromharmony.org/?cat=en_c&key=375).

Today we are threatened by nuclear destruction and economic collapse from disharmony of humanity. Nuclear armament is the major threat to social world. *“In the event of a nuclear war there will be no victors because there will be no survivors...”* said His Holiness the Dalai Lama. Social world as one family can exist only in global peace from conscious harmony of diversity.

The Global Harmony Association (GHA) *aim is to enlighten and educate the masses of all the religions into global peace from harmony, so that the message of harmony & universal brotherhood is spread throughout the world.* The GHA promotes *peace from harmony and culture of Peace to pave a conscious way for harmonious civilization through harmonious education in Global Peace Science (GPS).*

The GHA Humanity Charter is a declaration of fundamental ethical and scientific principles for building a just, peaceful, sustainable, and global harmonious society. It recognizes the great value of cultural diversity and the vital importance of oneness humanity. However, it seeks to inspire all people a new sense of global and shared responsibility for the well-being of the Global Community – One Human family as a whole.

The **GHA Humanity Charter’s main objective** is to promote GPS for equitable holistic human development through harmonious education & culture of peace from harmony. The GHA Humanity Charter is both a people-centered and ecosystem-centered document for creating a New & Better world. The Humanity Charter rejects the widely held idea of living with fear, hatred and division of humanity through culture of violence & war.

The **Humanity Charter** vision reflects the conviction that respecting for people and respecting for Earth are two interrelated dimensions of one great task of World Peace & Human Unity through Culture of Harmony and GPS as science of harmony.

The GHA Humanity Charter: Turning Role of GPS for Harmony & Uniting humanity.

We believe that a harmonious world, as human creation, is a Peaceful & Sustainable world from conscious and scientific harmony. We believe that a peaceful & harmonious world

is possible when every man, woman and child know and understand Global Peace Science to serve others as they serve others through culture of Harmony as Love. We believe that all human beings are born with the inner capacity for harmony, and for peace, love and compassion from harmony that must be cultivated in the minds for human beings to succeed and thrive.

The GHA Humanity Charter express the Global Peace Science Values and Principles under umbrella of world social harmony, only from which they can be developed and thrive. These values from harmony are: Peace, Love, Oneness, Culture, Tolerance, Security, Dignity, Children and Women's Priority, Responsibility, Happiness, Common Good, Nonviolence, Justice, Humanism, Victory of Peace over War, Respect, Freedom, Brotherhood, Equality, Understanding, new Democracy, Sustainability, Disarmament and so on. These values are the principles of Global Peace Science of SPHERONS, which are the discovery of this science and scientific revolution of the 21st century.

The Highest Five Spiritual Principles of GHA Humanity Charter:

1. **Principle of Disarmament** – Ending War & building bridges of Peace through culture of Peace & love.
2. **Principle of Respect** – Respect Earth & human being in all its diversity in cultures & religions.
3. **Principle of Love & Compassion** – honouring & treating all the people – with dignity, equity and respect for world peace,
4. **Principle of SPHERONS' Democracy** – Participation by all in discussion & developing solutions and implementation of global peace and holistic sustainable development in the 21st century.
5. **Principle of Harmony** – Harmony between earth, humanity & society for creating global peace and nonviolent sustainable society.

We call all Global Leaders–Religious, Social, Education & Political, social Scientists, Peace & Human Rights activists to restore culture of Harmony on new, conscious level of Global Peace Science to return to the ancient principle& wisdom of – **“Vasudhaiva Kutumbkam” (World is one Family)**

Dr. Subhash Chandra, (bio-note see in the article above).

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Chapter 7

The Ways of Global Peace through Interfaith Harmony, Culture and Education. Global Cultural Studies

1. GHA: Start of Conscious Evolution of Global Peace in the XXI Century as Beginning of a New History. The GHA Projects and Books List. *Leo Semashko*

There is nothing more practical than a good theory.

Ludwig Boltzmann

*GHA projects are the bridge between tetrasociological theory of
Harmonious Civilization (Global Harmony and Peace) and
Begun conscious practice of its building.*

Leo Semashko

When, in late 2004 – early 2005, we, about 30 social scientists, philosophers and teachers from more than 10 countries, have created GHA (Global Harmony Association), we are burned by uniting desire to understand how to ensure global peace without wars from harmony? We knew that without understanding this way it is impossible and it became the GHA mission. But then we did not have the understanding that this requires a special science, integrating other social sciences, that it is the beginning not only of its conscious evolution but also a new history without wars. This understanding came later, almost at the end, in the process of working on GPS. Once again, we all at the GHA time found no such fundamental problems of global peace and have not found the respective attempts at their formulating and solving: all attempts in this regard have been subjective, partial, limited very narrow aspects and fragmented in literature. All of them for more than a century have given rise at the participants of such peace studies the metaphor of "paranoia" of different subjective visions of peace (see chap. 3). They excluded the very notion "global peace science", which was introduced in the GHA first.

All the GHA projects are subject to its mission: "***To bring peace from harmony and to pave a conscious way for harmonious civilization on scientifically based 'ABC of Harmony' through harmonious education***". All the GHA projects, anyway, in one or another aspect unfold, express and embody this mission of conscious building a harmonious civilization. The birth of this civilization in 2009 was prepared on the spiritual and scientific levels by the GHA projects. Initiator, editor and leader of the GHA projects is its founder and president Dr. Leo Semashko. All the GHA projects are collective. They are created together from 2 to 120 coauthors and participants of the discussions among the GHA members. Most of the projects have undergone several stages of discussion and approval: the Stirring Group, the Board and the GHA as the final instance for projects approval. These features may vary for different projects.

Best of all the conscious evolution of comprehension of global peace essence in our team describes a list of eight books and 50 projects of global harmony and world peace, created for 10 years in the GHA. Almost all of them exist in Russian and English, some – in 12 languages, and published on the GHA website with comments [1].

The GHA projects list for 10 years

1. International site "Peace from Harmony" – the world's first conscious integral field of information and knowledge about global harmony, uniting the ideas of harmony of all world cultures; this website is the body of the Global Harmony Association, which arose on its basis. The site is published in 17 languages; since February 2005: <http://peacefromharmony.org>
2. Global Harmony Association (GHA) – the world's first conscious international networking community of supporters of global harmony and building a harmonious civilization and world

- peace; GHA emerged de facto together with website "Peace from Harmony" – February 2005, de jure (Statutes) – November 2007: http://peacefromharmony.org/?cat=en_c&key=249
3. Making Children a Priority in the World on the children suffrage basis, June 2005: http://peacefromharmony.org/?cat=en_c&key=121
 4. Harmonious Era Calendar, January 2006: http://peacefromharmony.org/?cat=ru_c&key=190
 5. Magna Carta of Harmony, December 2006: http://peacefromharmony.org/?cat=en_c&key=3
 6. World Harmony/Peace Academy and General Harmonious Education, May 2007: http://peacefromharmony.org/?cat=en_c&key=277,
http://peacefromharmony.org/?cat=en_c&key=392
 7. Harmony Hymn, January 2008: http://peacefromharmony.org/?cat=en_c&key=315
 8. Textbook: Tetrasociology: Science about Social and Individual Harmony, July 2008: http://peacefromharmony.org/?cat=en_c&key=345
 9. Russia – Georgia: Harmonization through education instead of militarization, August 2008: http://peacefromharmony.org/?cat=en_c&key=337
 10. World Harmony/Peace Festivals similar to Olympic Games, September 2008: http://peacefromharmony.org/?cat=en_c&key=342
 11. Fractals of Social Harmony and Tetrasociological Mathematics of Harmony, October 2008: http://peacefromharmony.org/?cat=en_c&key=343
 12. Global Harmonious Revolution of Modernity, October 2008: http://peacefromharmony.org/?cat=en_c&key=336,
http://peacefromharmony.org/?cat=en_c&key=371,
http://peacefromharmony.org/?cat=en_c&key=382
 13. Harmonious Educational Competition-Partnership, January 2009: http://peacefromharmony.org/?cat=en_c&key=356
 14. Harmonious competition-partnership of two Peace Academies: USA and GHA, February 2009: http://peacefromharmony.org/?cat=en_c&key=358
 15. WorldNet of Harmony Centers: «GlobHarmony», March 2009: http://peacefromharmony.org/?cat=en_c&key=365
 16. Family Academy of Harmony, April 2009: http://peacefromharmony.org/?cat=en_c&key=470
 17. Alternative Reserve Currency of Global Harmony: "HARMON", April 2009: http://peacefromharmony.org/?cat=en_c&key=367
 18. Global Harmony as Guarantor for World Security and Nuclear Zero, May 2009: http://peacefromharmony.org/?cat=en_c&key=369
 19. Global Harmony International Treaty for Nuclear Disarmament, May 2009: http://peacefromharmony.org/?cat=en_c&key=376
 20. Harmonious Civilization Universal Declaration, May 2009: http://peacefromharmony.org/?cat=en_c&key=375
 21. Youth Academy Harmony, September 2009: http://peacefromharmony.org/?cat=en_c&key=395
 22. CLUB-2009: Global Political Organisation for Harmonious Civilization: December 2009: http://peacefromharmony.org/?cat=en_c&key=409
 23. Academy of Harmonious Leadership for Harmonious Civilization, April 2010: http://peacefromharmony.org/?cat=en_c&key=429
 24. The ISA Thematic Group: Global Sociology of Harmonious Civilization, August 2010: http://peacefromharmony.org/?cat=en_c&key=433
 25. Kazakhstan – Harmonism Strategy for the 21st century, October 2010: http://peacefromharmony.org/?cat=en_c&key=445
 26. Russia, Forward! To Harmonious Civilization! In Russian, November 2010, in Russian: http://peacefromharmony.org/?cat=ru_c&key=435
 27. The Future: Harmonious Civilization, or What? – Program for the world TV Broadcast, December 2010: http://peacefromharmony.org/?cat=en_c&key=447
 28. Harmonious Civilization Sculpture as a Symbol of United Humanity in a New Millennium, January 2011: http://peacefromharmony.org/?cat=en_c&key=38

29. Israel – Palestine: Harmonization through Education instead Militarization, January 2011: http://peacefromharmony.org/?cat=en_c&key=454
30. School of Peace through Harmonious Education for youth of Israel and Palestine, February 2011: http://peacefromharmony.org/?cat=en_c&key=461
31. Department of Harmonious Civilization for any University/College of the World, February 2011: http://peacefromharmony.org/?cat=en_c&key=465
32. World Women's Contest “Muse of Harmony”, March 2011: http://peacefromharmony.org/?cat=en_c&key=474
33. GHA Membership, May 2011: http://peacefromharmony.org/?cat=en_c&key=249
34. The ABC of Harmony for World Peace, Harmonious Civilization and Tetranet Thinking. Global Textbook. New Delhi, 2012: http://peacefromharmony.org/?cat=en_c&key=478
35. GHA Organizational Reform Based on the ABC of Harmony. GHA 35th project, Started: March 23, 2012: http://peacefromharmony.org/?cat=en_c&key=512
36. The ABC of Harmony: Philosophy and Sociology of Global Harmonious Society at the 21st century on the basis of the first in history global textbook "The ABC of Harmony". GHA 36th project. Started: July 30, 2012: http://peacefromharmony.org/?cat=en_c&key=525
37. General and Complete Disarmament in 50 years on the Basis of Global Harmony through the ABC of Harmony. GHA Constant Petition to the UN. GHA 37th project. Started: August 31, 2012: http://peacefromharmony.org/?cat=en_c&key=529
38. BEFORE THIRD WORLD WAR. Peace and Disarmament from Harmony. New World Peace Movement for the 21 century. GHA 38th Project. Started: September 24, 2012: http://peacefromharmony.org/?cat=en_c&key=532
39. Department of Noospherical Harmony, October 9, 2012, In Russian: http://peacefromharmony.org/?cat=ru_c&key=560
40. GHA Regional Department for Africa Countries: GHA-AFRICA, November 30, 2012: http://peacefromharmony.org/?cat=en_c&key=526
41. GHA Embassy: Human Rights from Harmony and Justice, December 13, 2012: http://peacefromharmony.org/?cat=en_c&key=542
42. World Interfaith Harmony: Internal Harmonious Potential of Religions and General Scientific Platform of the ABC of Harmony. Started: December 7, 2012: http://peacefromharmony.org/?cat=en_c&key=541
43. GHA Regional Department for the U.S.: GHA-USA. 43rd GHA Project (For reforming GHA-USA). Started: December 18, 2012. Approved by GHA: February 10, 2013: http://peacefromharmony.org/?cat=en_c&key=457
44. Center (School) of Interfaith Harmonious Education (CIHE). GHA 44th Project. Started: February, 2013: http://peacefromharmony.org/?cat=en_c&key=561
45. National Department of the GHA in Kazakhstan: GHA-Kazakhstan or GHA-KZ. GHA 45th Project. Approved GHA-KZ: March 19, 2013: http://peacefromharmony.org/?cat=en_c&key=562
46. Comparative Sociological Statistical Study (CSSS). Dynamics of the Global Social Structure of Spherical Classes of Population: An Example of India, USA, Russia and Kazakhstan since 1950 by Decades. Natural Evolution of Social Harmony, Economic Justice, Democracy and Spirituality towards World Peace. CSSS Program. GHA 46th Project, Approved by GHA: June 4, 2013: http://peacefromharmony.org/?cat=en_c&key=579
47. Academy of Global United Social Sciences for World Peace. GHA 47th Project. Start on June 4, 2013: http://peacefromharmony.org/?cat=en_c&key=581
48. Global Peace Science: The First Common Good for the 21st Century and every Human. GHA 48th Project, Approved by GHA on September 21, 2013: http://peacefromharmony.org/?cat=en_c&key=585
49. Monitoring: Dynamics of Peace and War Priorities in the World Public Consciousness. Approved by GHA on January 17, 2014: http://peacefromharmony.org/?cat=en_c&key=588
50. World Honorary Titles of Global Peace for Donations. Approved by GHA on February 20, 2014: http://peacefromharmony.org/?cat=en_c&key=590

The GHA books with the published projects for 10 years

1. 2015. *Global Peace Science or Peaceloveology: First Common Good and Human Right, Revolution of Social Sciences, Creating Peace from Harmony and Victory of Peace over War in XXI Century*. By the GHA 89 coauthors from 30 countries. World Textbook. St. Petersburg, ISBN – 978-5-7422-4707-4, First Edition in Russian: http://peacefromharmony.org/?cat=ru_c&key=606
2. 2012. *The ABC of Harmony for World Peace, Harmonious Civilization and Tetranet Thinking*. By the GHA 76 coauthors from 26 countries. Global Textbook. GHA 34th Project. First published in English in India, New Delhi, Doosra Mat Prakashan, 2012, pages ~334. ISBN – 978-81-923108-6-2: http://peacefromharmony.org/?cat=en_c&key=478
3. 2010. *Russia, Forward, towards Harmonious Civilization*. By the GHA co-authors. St. Petersburg, LITA, 30 pages, in Russian: http://peacefromharmony.org/?cat=ru_c&key=435
4. 2010. *Kazakhstan – Harmonism Strategy for the 21st century*. GHA project for the President and the Parliament of Kazakhstan. By the GHA 14 co-authors from 10 countries. St. Petersburg, LITA, 22 pages, in Russian and English: http://peacefromharmony.org/?cat=en_c&key=445
5. 2009. *Harmonious Civilization. Global Harmony Association Innovative Projects*, By the GHA 120 coauthors from 34 countries, in 2 languages. St-Petersburg, Russia, "LITA ", pages 254: http://peacefromharmony.org/?cat=en_c&key=379
6. 2008. *World Harmony/Peace Academy and General Harmonious Education in an Information Society*. By the GHA 64 coauthors from 20 countries, in 2 languages. St-Petersburg, Russia, «LITA", pages 104. http://peacefromharmony.org/?cat=en_c&key=277
7. 2007. *Magna Carta of Harmony for an Information Civilization: Toward Social Justice and Global Peace*. By the GHA 43 coauthors from 16 countries in 7 languages, Lita, 228 p. http://peacefromharmony.org/?cat=en_c&key=3
8. 2006. *Harmonious Era Calendar: Address to Children, Youth and Future Generations*. By the GHA 27 coauthors from 12 countries in 12 languages, St.-Petersburg State Polytechnic University, 396 p. http://peacefromharmony.org/?cat=ru_c&key=190

The deep social significance of these projects is in the fact that they represent the first conscious fruits and resources of a harmonious civilization. These projects are its first meaningful seeds and shoots. They outline the first, albeit small, the cultural field of a harmonious civilization in all its four spheres. They are the first form and expression of a conscious culture of this civilization and its sensible building. They mark a harmonious global revolution of modernity. This is a historic change and civilizational shift from industrialism to harmonism.

The GHA projects are the first in the history a conscious cultural oasis of harmonious civilization in the jungles of disharmony of industrial civilization. Cultivation of harmony in this oasis is not spontaneous and intuitive, as in past history, and conscious and scientific that will ensure its rapid expansion. This oasis creates a fundamentally new cultural and social landscape without wars, violence, aggression, hunger, and other pathologies of industrialism. It gives to a human and nations completely new alternative, which provides survival of humanity, sustainable development, peace, justice, brotherhood and happiness from harmony in a new civilization.

Now is not any possibility to do a critical analysis of these projects and books. It is the future task and new researchers. Of course, they are very far from perfect, like all first. But it is important to emphasize one fundamental conclusion: the research in these projects and books laid the foundation not only of conscious evolution of global peace but also a new history without war, as GPS opens the way both theoretically and practically for it. This enough voluminously and detail for start is presented in this book, the first in the world and history. GHA is the first in history public international peacemaking institution, which initiated conscious evolution of global peace and a new history without wars. Of course, every beginning, like every embryo will require a lot of time and effort for its maturity, for public awareness and understanding of its meaning. Here it is waiting all three known stages: "absurd – this is something there – everyone knows that."

Dr. Leo Semashko, Editor in Chief of the book "*Global Peace Science*"

2. Penang: the Island of Global Peace from of Interfaith Harmony

Dmitry Delyukin

Interfaith harmony is one of the most important ways of mankind to global peace, as the number of believers is more than 80% of the world's population [2] and even more as atheists call themselves a little more than 2%. Therefore, almost the entire people of SPHERONS are people belonging to different religions. Overcoming interfaith disharmony and conflicts is an important task before them. For SPHERONS, as for believers of different religions, is character a profound intuition, on the one hand, social harmony, and on the other, divine harmony among people, ensuring peace and harmony between them in different places and under many different circumstances. And both intuition promote and reinforce each other: social intuition of SPHERONS's harmony promotes religious intuition of harmony and vice versa.

One of the clearest historical evidence of this bilateral harmony became the Malaysian island of Penang for more than two centuries ago. In Penang, one of Malaysia's island state, there is a unique place, called "Street of Harmony". It is situated in the capital of the state, George Town, founded by the Englishmen, led by the captain Frances Light in 1786. Being popular and famous among locals and guests of the island, the street could be officially named the street of Harmony, however it is still denoted as Pitt street in all the maps and guides. It is unique because this street is the only religious-cultural historical ensemble in the world, which has united architectural shrine masterpieces of all world religions. Mainly thanks to Pitt street and its shrines the government of Malaysia has achieved the recognition of Penang island as the object of cultural heritage of UNESCO.

Despite the fact, that Penang was all covered with the jungles, captain Light decided to build the fort Cornwalliss on the island and to start exploring the neighboring territories. Captain Light ordered to spread the word all over Malaysia, so that every new settler will receive as much of the land, as he will be able to clean. Several years later there was a real town built instead of pathless jungles that was named George-Town after the king George III, with the town buildings in Victorian style. For the first 15 years of its existence the population of George Town has exceeded 10.000 people.

Generally, the chief inhabitants were the people with different cultural and religious formation. They all were united by the idea to find work and welfare on this island defeated by the British empire, where as their native counties suffered from different local and internal wars. Trade routes from Japan and China to Europe now ran through Penang. It was a strong push for development of the island and attraction of great flow of immigrants from these countries, as well as from India, Middle East, Siam (Thailand), Myanmar, Sri-Lanka. In 1816 the first in the South-Eastern Asia English school was opened in Penang, where children of all nations and estates of Penang population received education.

Naturally, today Malaysian is the main language of Penang, but at the beginning of 21st century the English language became the main language of the international communication. It was caused by the trade, organized by the European trade missions. However, the Asians didn't see anything bad in it. Fransis Light in the 1770-s, at the period of the town's uprising, first proclaimed not just the freedom of the settlements, but also the principle of religious freedom to maintain peaceful coexistence and order of Penang. The Englishmen set the example by building a majestic church in the Anglican style near the fort Cornwalliss, the first of this kind in the South-Eastern Asia. Later all diasporas received the right and the land to build the shrines corresponding to their denomination.

Not to divide the town in quarters, normally occurring by the nation principle, special areas were provided for building, that were later interconnected by Pitt street or Street of Harmony – unofficial name, that appeared in the middle of the last century. It became a spiritual and public

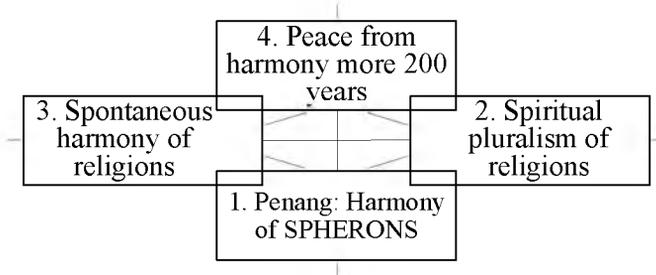
center, containing 9 main shrines of the town with all rich cultural heritage of Islamic, Buddhist, Confucian, Taoist, Hinduist, Sikh, Shinto and Christian communities, reflected in its architectural appearance, as well as the Armenian and Jewish communities, that soon left the island. The real pearls of the street are believed to be the church of Saint George, the Assumption Cathedral, the mosque Captain Kelling, the shrine Nagor, the shrine Tua Pek Kong, the shrine Guan In Teng, the shrine Leon Sang Tong. They all were constructed in the first middle of the 21st century.

It is known, that the shrines architecture is the most important means of gradual formation of the attitude to a whole world as to divine creature and it reconstructs harmony of the internal and external being. Step by step, to the beginning of 20th century on the island appeared sporadically a new form of public consciousness that after independence of Malaysia in 1957 resulted into official ideology: "Rukunegara" or "The State Foundations", in view of the fact that dozens thousands of representatives of different religious outlooks and traditions lived in harmony.

The spiritual pluralism and harmony of religious diversity of Penang have become a way of life of its inhabitants and source of peace on the island for two centuries. This is a great example of peacefulness from interfaith harmony for all regions of religious conflicts. In the global peace science (GPS) and future harmonious civilization such examples will be the ABC. While such spontaneous examples are the exotic of industrialism. By universal their can do GPS and *the ABCs of Harmony* [3] through global harmonious education.

The article main ideas can be presented in model of tetranet harmonious thinking:

Model-19. SPHERONS and interfaith peace from harmony of Penang



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3. Interspiritual Age of Interfaith Harmony: Global Peace Path

Kurt Johnson, David Ord

“We are at the dawn of a new consciousness, a radically fresh approach to our life as the human family in a fragile world. This journey is what spirituality is really about. We are not meant to remain just where we are. We cannot depend on our culture either to guide and support us in our quest. We must do the hard work of clarification together ourselves. This revolution will be the task of the Interspiritual Age. The necessary shifts in consciousness require a new approach to spirituality that transcends past religious cultures of fragmentation and isolation. We need to understand, to really grasp at an elemental level that the definitive revolution is the spiritual awakening of humankind.” [4]

With these words penned over a decade ago, Brother Wayne Teasdale, a contemplative monk also famous for his advocacy of social activism [5], spurred an already existing global trend towards trans-traditional and trans-cultural spirituality in a world inevitably moving towards globalization and multiculturalism. To this spiritual revolution can be attributed also the philosophy of global harmony and global peace science (GPS) that develop GHA about 10

years. Teasdale called the emerging global spirituality “interspirituality” and identified it in the message in over fifty major spiritual figures from across the multiplicity of our world’s spiritual and faith traditions [6]. He also listed fundamental shifts in global awareness necessary for a successful global shift, some of which he noted are already happening. These included:

- Appreciation of the interdependence of all realms of human life and the surrounding cosmos
- Growing ecological awareness, with recognition of the interdependence of humankind and the biosphere, including the rights of all biological species
- Embracing of the shared wisdom in all the world’s religious and spiritual traditions, past and present
- Growing friendship, and actual community, among the individual followers of the world’s religious and spiritual paths
- Commitment to the depths of the contemplative pursuit and the mutual sharing of the fruits of this ongoing journey
- Creative cultivation of transnational, transcultural, trans-traditional, and world-centric understanding
- Dedication to nonviolence, with a commitment to transcend militancy and violence tied to national or religious identities
- Receptivity to a cosmic vision, realizing humanity is only one life form and part of a larger community, the universe.

All these trends are also recognized, explained and developed in GPS.

These shifts, he suggested, mark the threshold required for healthy globalization and the birth, through the world’s Wisdom Traditions, of an unfolding “Interspiritual Age”. Further, he said that such shifts were possible, if not inevitable, because of the world’s “new set of historical circumstances” [7, p. 4].

Today, it’s widely acknowledged that a universal spirituality is, in fact, arising on a global scale, uncannily reflecting Teasdale’s suggestion that “the only viable religion for the Third Millennium is spirituality *itself*.” [7, p. 26]

This vision, now resonating strongly across the world’s interfaith community – and particularly in an emerging “interspiritual movement” – is identified by many as a “spirituality of the Heart”, and one reflecting the emergence of a new global “unity consciousness”. This trend, identified by developmental philosophers as “a great conveyor belt” toward a successful global civilization [7, p. 407], is attributed to multiple and convergent causes. In the evolutionary consciousness movement, and the consciousness sciences, it is recognized as the natural next step in our cognitive evolution. Social scientists see it as a global adaptation driven by inevitable trends toward globalization and multiculturalism. Some spiritual and religious leaders see a “divine purpose” at work, some even considering the “spiritual perfection” of our species.

If such a world awakening is possible, moreover real, there are diverse and complicated implications for our complex world – including the arenas of religion, science, social structure, governance, economics, culture, and more.

In our widely read book *The Coming Interspiritual Age* [8] we presented a responsible survey of global factors, trends, and statistics that might be influencing and contributing to this emergence, guided significantly by the reservoir of collective human wisdom available from the world’s perennial Great Wisdom Traditions. Absent such a moral and values-related contribution by the world’s religions, we suggested the world appears destined to march toward globalization led only by self-serving special interest groups such as political and financial institutions. This would leave the public at the mercy of uncoordinated planetary resource exploitation and consumerism, coupled with a cacophony of competition and conflict over politics, financial wealth, natural resources, and the various other currencies of international power.

In *The Coming Interspiritual Age*, we documented and reviewed a number of conclusions that, from a global survey, appear self-evident. These included these apparently undeniable trends:

- Globalization of planet earth is inevitable; the question is what kind of a globalization it will be and whether it will be devoid of any significant contribution from the Great Wisdom Traditions
- Multiculturalism is inevitable; again, the question is what kind of process will unfold and whether it will be a bumpy ride full of competition and conflict (indeed possibly even outright economic and military warfare), or whether a more reasoned dialogue may emerge, mitigating such negative consequences to some degree
- The world now faces an array of critical challenges that could affect its long-term stability and peace. These include resource scarcity and competition, drastic global climate and population changes, and political agendas and fundamentalisms tied to narrow and competing national, religious, ethnic, or racial identities.

If the world's religions were to move away from the atmosphere of competing creeds, dogmas, and end-time scenarios, and take up their role as the world's true Wisdom Traditions, they could help spur a positive world transformation. It's not too late for the religions to take on this role, employing the "unifying" or "Archimedean points" already identified through the world's interfaith dialogue process [8, p. 269]. The four principles include (1) the possibility of a common core to human mystic experience, (2) fundamental teachings held in common by all the world's religions, (3) the shared ethical implications of the teachings of all the great traditions, and (4) the inevitable mutuality across the religions regarding commitment to social and economic justice.

Although *creeds and dogmas*, exclusive by nature at a cultural level, still characterize much of the purely religious side of the world's traditions, there are significant shifts occurring across the world's spiritual communities. These are spiritual and values-based shifts emphasizing the profound mutual recognition among humans in the realm of "the heart" and shared understanding of unifying states of higher consciousness common to all traditions. These shifts have the potential to vastly alter the global equation. Spiritual emphasis on the experience of "the heart" and states of uniting higher consciousness are nurturing universally compelling life-altering experiences of interconnectedness, mutuality, and "Oneness." These experiences are reflected in an expanding worldwide popular literature and media regarding the experience of a global collective or gestalt of "We". In turn these are influencing salient movements for social and cultural change, from the Arab and Catholic "springs" to the Occupy generation's demands for monetary and financial equanimity [9].

In this globalization phenomenon, new self-evident truths appear to be emerging. The merging rational and analytical mind of the Renaissance and early European Enlightenment created a gestalt in which individuals began thinking strongly in terms of their worldviews and life options, not just those of the privileged or governing elite, and saw the emergence of self-evident truths with regard to the value and rights of individuals. So also today new self-evident truths seem to be arising. But this time they appear to involve the meaning of collectives and the inevitable roles of individual and institutions within collectives and in responsibility to a collective.

In *The Coming Interspiritual Age* we presented arrays of statistics, surveys, and opinion polls indicative of these trends. They show that our human brain-mind is moving toward a gestalt of profound interconnectedness, indeed even "oneness" – a unity consciousness. They reveal that, worldwide, these holistic trends are powerfully moving toward the falling away of old sectarian and parochial lenses, definitions, and worldviews, and that this is happening across every arena of life – religion, culture, social structures, governance, economics, and so on.

In the arena of religion, there are not only these positive trends reflecting new views that are trans-traditional, trans-cultural, trans-national, and world-centric, but keener and keener understandings of the dangers of fundamentalism, especially as it can lead to social and cultural conflict, terrorism, and war. For example [10], 78% of those polled internationally believe there are "unifying principles" concerning reality, 71–80% believe that multicultural understanding is fundamental to a positive world future and that the world should be pursuing a unified vision, and some 80% also believe that the religions should be talking to each other

with regard to visions of the common good. Up to 78% describe positive experiences when either personally investigating or interacting with a religion different from their own, and some 40% identify regular practices in their lives that have a background in a religion other than that of their direct heritage. Meantime, some 50% or more identify religious fundamentalism as a danger – and not just religious fundamentalism, but also scientific fundamentalism.

These sprouts of interfaith harmony with the general trend of interspirituality for all religions constitute the main route of movement to global peace for all believers through their religious beliefs. Theologian Hans Küng is famous for his statement "*There will be no peace among the nations without peace among the religions. There will be no peace among the religions without dialogue among the religions.*" [11]. In the past especially, though still in many cases today, religion was a source of division centered on different claims about absolute truth. The paradox is that when any religion takes this approach, it fails to practice the more basic message of its teachings, which is centered on love, kindness, compassion, mutuality, nurturing, and the value of human beings – indeed, the value of all life and of the planet itself.

A common platform for social peace between religions can only be shared and unifying their affiliation to SPHERONS as the harmonious classes of population in any religious community. A common platform for their spiritual dialogue can be, most likely, the neutral for each of them scientific basis provided in GPS. It brings them their uniting scientific "interspirituality" if so can speak.

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4. Religious Harmony in Japan as a Way to Global Peace. *Reimon Bachika*

Religiously, Japan's situation resembles its natural existence as an island nation. Four islands, considerable in size and flanked by many smaller ones, constitute the country. Similarly, four different sources have contributed to Japan's religious culture: Shinto, Buddhism, Taoism, and Confucianism. The Shinto tradition is *culturally* the more influential strand of religion. It underwent some influence from Chinese Taoism, particularly *yang* and *yin* thought and fortune telling. Buddhism is *religiously* the stronger part. It was transmitted from Chinese sources but developed several varieties of Japanese Buddhism. Lastly, Confucian ideas impacted social relations as well as so-called ancestor worship.

Religious harmony exists on the level of everyday life. Remarkably, only one third of the population has membership in one of over two hundred religious denominations. Nevertheless, many Japanese feel attracted to religious customs of various kinds. Most of them worship at a Shinto shrine at New Years, when the whole country enjoys a week of holydays. At other occasions, parents take their children to a local shrine to pray for them at birth and at the ages of three, five, and seven. Further, many marriages are blessed in a Shinto ritual, but many others tie the knot at a Christian church or at chapels specially built for weddings. From

December 20 or so, special decoration Christmas cakes are sold at stalls outside shops, just for casual passersby—only 1% of the Japanese have converted to Christianity (Catholicism or Protestantism) but it is a well-respected religion.

Funeral rites are the forte of Buddhist denominations. When death strikes in a family, the Japanese call in a Buddhist priest. But, remarkably, the greater part of the population has either a Buddhist or a Shinto altar at home, to memorize deceased family members by offering flowers or fruits or incense. It is this practice that is called ancestor worship. Although Shinto and Buddhism have a distinct religious culture, 'household religion' functions as a common denominator.

The following are organizational religious practices. As mentioned above, the main event of Shinto is the New Year worship, starting at midnight at New Year's Eve. The most famous shrines draw enormous crowds of worshippers. At various occasions during the year, popular Shinto shrines provide occasion for worship, offering a simple ritual of purification that is performed on request, while neighborhood communities organize celebrations (*matsuri*), one more kind of Shinto practice. Apart from the funeral services provided by their priests, Buddhist denominations are socially active in the field of education as well as welfare. Most of them have institutions of higher learning. Some temples are classified cultural treasures, open to the public at a fee. It is from all these services that Buddhist denominations derive their income.

The main traditional Buddhist denominations are as follows. Tendai and Shingon Buddhism were established in the Heian Period (794–1185) and followed by the Pure Land Denomination and Shin Buddhism (both known as Amida Buddhism) as well as the Nichiren denomination and two strands of Zen monasteries: Rinzai and Soto Zen, all of which originated in The Kamakura Period (1185–1333) in central Japan, with Kyoto as its center. All have their own revered founders and sutras. Based on these sacred scriptures, they continue developing Buddhist religious thought.

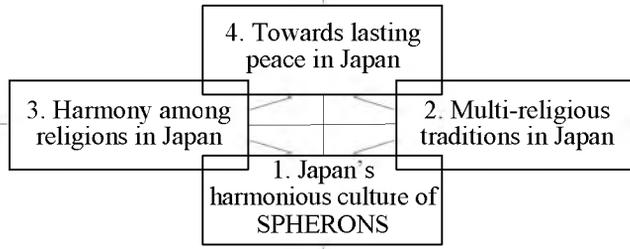
Further we have the so-called 'New Religions' that originated in the middle of the 19th century, the most active of which are Tenri-kyo and Konko-kyo (Shinto related denominations) and Soka Gakkai and Rissho-koseikai (Buddhist denominations that grew fast after World War II). A few more sprang up in the 1970s, such as the infamous Omu Shinri-kyo and The Science of Happiness. The latter is following the example of Soka Gakkai in forming a political party, but as yet it is not very successful. In more details see: [12; 13].

Organized religion in Japan is pragmatic and can be characterized as 'corporate religion.' Like most business organizations, all manage their own affairs, competing with each other. Authoritarian attitudes are rare. The people's religious practices are uncomplicated. The meaning of these customs and practices is internalized through participation from childhood on and therefore taken for granted.

Thus, accommodating attitudes both by the people and the religious denominations make harmonious coexistence possible. At bottom, religion concerns the basic problems of life as well as spirituality that people can freely aspire to. Religious organizations are useful in providing services, spiritual guidance, and cultivating a special sense of community not found elsewhere. It is these conditions that render religious harmony possible, not top-down authoritarian thought.

Thus, Japanese religion is a peculiar blend of multi-religious strands. Therefore, we can say that it is *culturally* harmonious. In other words, Japanese culture is predisposed to a communitarian spirit. The same should be possible for world civilization as a whole. Emphatically, civilization cannot be harmonious without a sense of harmony among world religions. The basic postulates of the article can be expressed in our tetra-sociological model:

Model-20. SPHERONS and Japan's religious peace based on harmony:



Japanese religious culture, based on harmony and as represented in SPHERONS, is deemed to ensure sustainable social peace in the country.

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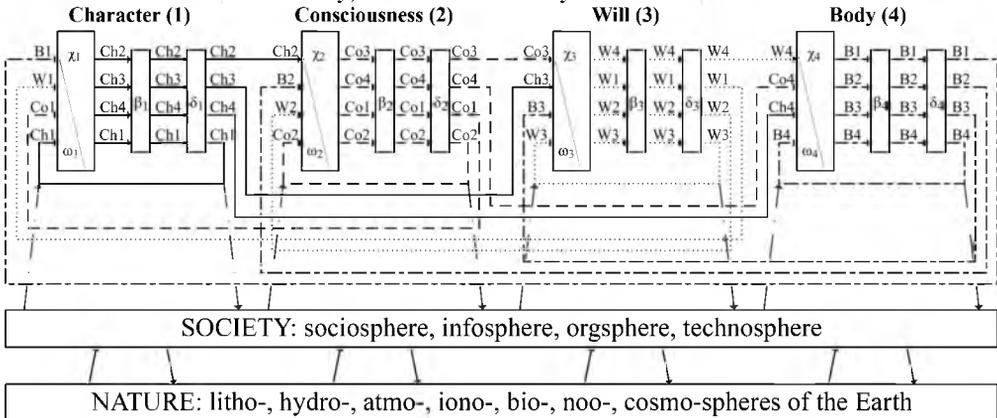
5. Psychological Human Genome: Global Peace from Individual Harmony

Leo Semashko, Andrey Semashko

In "The ABC of Harmony" was established semblance between the two worlds of harmony: social and individual, which was reflected in the similarity of their genomes – the genome of social harmony, SOCIONOME and psychological genome of the individual, PSYHOME [3, p. 38–46].

Scheme. PSYHOME:

Psychological Genome of Human as the Deep Structure of Human Spheres (Character, Consciousness, Will, Body) and Their Harmony: Coherence, Balance and Consent



Individual matrix:

Ch = Ch1 + Ch2 + Ch3 + Ch4
 Co = Co1 + Co2 + Co3 + Co4
 W = W1 + W2 + W3 + W4
 B = B1 + B2 + B3 + B4

Creation: χ (chi)
 χ_1 - creation of Ch
 χ_2 - creation of Co
 χ_3 - creation of W
 χ_4 - creation of B

Distribution: β (beta)
 β_1 - distribution of Ch
 β_2 - distribution of Co
 β_3 - distribution of W
 β_4 - distribution of B

Indexation:

Exchange: δ (delta)
 δ_1 - exchange of Ch
 δ_2 - exchange of Co
 δ_3 - exchange of W
 δ_4 - exchange of B

Use: ω (omega)

ω_1 - use of Ch1, Co1, W1, B1
 ω_2 - use of Ch2, Co2, W2, B2
 ω_3 - use of Ch3, Co3, W3, B3
 ω_4 - use of Ch4, Co4, W4, B4

As is well known, and it is one of the GPS theoretical pillars, individual does not exist outside the social and social beyond the individual. They mutually interpenetrate, comprise and express one another. Therefore, global peace cannot exist without the individual and vice versa.

This was well understood by the ancient thinkers that brilliantly voiced great Indian poet **Abdul Kalam** in his famous poem "Oceans Meet":

The wise sage Confucius said,
"When there is beauty in the character,
There is harmony in the home"
The enlightened one, the Buddha added,
"When there is harmony in the home,
There is order in the nation,
When there is order in the nation
There is peace in the world" [3, 269].

The poet well defined dependence and source of global peace from individual peace (inner beauty/harmony) in character and psychology of each person. Ultimately, **all wars have the source and start in inside disharmony of the person(s), as well as any peace has a source and starts from the inside, individual harmony/beauty of the person(s)**. And on the contrary: social peace produces individual peace and the war in society generate harmful internal disharmonies. Disharmony of personal and social into all dimensions of PSYNOME-SOCIONOME is one of the most important sources of all wars and conflicts.

On the other hand, harmonization of socio-psychological relationship into these dimensions of internal (personal) and external (social) worlds is a necessary condition of global peace from harmony of SPHERONS. Social and individual psychology of SPHERONS should also be harmonized and balanced, as well as their social relations that will prevent conflicts between their very different PARTONS. This is a very deep and vast subject for research in the field of social and individual psychology, which becomes global with global character of SPHERONS, overcoming the fragmentation and disunity of traditional psychology and its narrow branch thinking, integrating it into spherical fundamentally new and innovative thinking. Inner peace is ensured all the fullness of harmony of four individual spheres that determines the highest spiritual harmony as the source and happiness, and peace, both internal and external. Fyodor Dostoyevsky wrote: "*Happiness is not alone in the pleasures of love and in the supreme harmony of spirit*" which gives rise to internal and external peace [14, 449].

Of course, traditional psychology has achieved significant results, it created many private fundamental theories and synthesis approaches, which do not find unity and a common language. A similar situation prevails in all social sciences, without exception. Their fragmentation is generated by ignorance and lack of global and universal social structure of SPHERONS, as well as ignorance and lack of global universal structure of the internal spheres of individual. It should be emphasized that each of these individual spheres, although their number varies among researchers, long investigates in psychology but their number and quality are not determined still in accordance with the number and quality of social spheres that also remain unknown. Only Tetrasociology [15] and Tetrapsychology [16 p.116–120], where they are examined in the unity, this issue has been resolved in the first approximation in their SOCIONOME and PSYNOME.

For example, in one of the modern solid scientific treatise "Human Development" [17] covers all four areas of the individual but rather narrowly empirical, more on the different stages of human development from birth to death, than on the basis of a universal scientific theory. The emphasis is on the physical (body) and cognitive (mind) spheres of a person. Less attention is paid to "psycho-social development" (the term "character" is not) and will virtually disappear from sight of scientist. Although it is a priority of the four individual spheres. Will is "*the queen of virtues and character*," wrote Andre Maurois [18, 15, 391]. Charles Baudelaire called the will of "*golden of the soul*" in poem "Introduction". Indeed, the wonderful character of the person, and intellectual abilities, and remarkable physical data disappear without a consistent and stubborn will. Therefore, the will have crucial importance for inner peace of the individual, for his/her peaceful orientation. The will to peace is particularly important for

political leaders and leaders of various peace organizations. Without the will to peace, they degenerate and die. Of course, at the basis of this will must lie strong motivation to peace. But it is especially individual at each leader.

Clearly, all these issues require long and careful research, which here is only outlined very briefly. Without decision of these cognitive and scientific issues cannot be conscious, scientific regulation and harmonization of individual and social-global peace at all levels of the planetary society.

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6. From Inner Peace to Worldwide Peace. *Maria Cristina Azcona*

To live in a happy peace society first we need to create happy family groups. To create happy family groups we need to create happy childhoods. Why? To change society destiny needs of a profound change of mind that only may be done on previous years of earlier childhood. On the very moment of conception, the son or daughter is walking towards happiness. The conditions of its development into mother's womb will determinate its growth, its intelligence and even temperament. There are advances in scientific knowledge upon how to stimulate the fetus in this period before birth. There are also many investigations that have demonstrated that children that have no love, no happiness and no satisfaction will be violent and destructive, while love and happiness makes them soft and peaceful. We need to develop in parents and children for this:

LUCIDITY: Some psychologists teach us that it is not good to see TV programs centred in war, terrorism or delinquency news. From a different point of view, we must understand that this attitude is exactly the opposite of the positive reaction. To learn from reality, trying to comprehend what is going on. Denying to see the facts is not a good decision, although very young or very old people must be protected from extremely shocking images. Lucidity is the unique way to take notice of human mistakes, in order to modify them in the future. An internal peace grows from the first step of consciousness.

SELF CONTROL: Self-control is the achievement of an attitude that is illuminated by lucidity, and orientated by a scale of values. A well-constructed personal spectrum based upon the control of the following facets: **THOUGHTS:** Ideas, projects, programming of activities, plans, opinions, cognitive processes. **EMOTIONS:** Fear, sexual sensations, depression, euphoria, hate, revulsion, love, care. **REACTIONS:** Irritability, aggression, sexual response. **ROUTINES:** Work, sports, familiar habits, hobbies, recreation, TV.

SELF ESTEEM: The value of our own person is based upon our self-esteem. A serene interior is possible when we accept our own defects and have clear conscience of our positive and negative aspects. To feel insecure or timid, and in the other extreme, arrogant and extremely proud of our success, may conspire against the development of interior peace.

EQUILIBRIUM between bad and good energies: All of us have bad energies and good energies. The bad ones are those, which appear when we feel depressed or sorrowful. But they are normal, for example, in a process of grief when somebody that we love, dies or suffers. Also there are bad energies when we feel tired or even exhausted. It's a normal reaction of our organism and implicates a defence against bad stress. Good energies appear when we feel great, in a very elating situation. Equilibrium is necessary so we will not go to the extremes on one side or the other.

FLUIDITY OF THOUGHT: Thinking is a process that may be disturbed when emotions are exceedingly aroused. To uphold a fresh mind is condition to arrive at a placid and stable state of interiority.

MENTAL HEALTH: We ought to be always in alert in the protection of our mental health. When any stimulus from the outside intends to break this complicated net of emotions, thoughts, hopes and remembrances that configure our mental functions, we must make an

effort, voluntarily, to recover it before it is too late and we feel ourselves near nervous crisis. Is necessary to prevent it and not wait till it is already established.

STABLE SCALE OF VALUES: If we have reflected along our life, and we are clear enough in reference to a well-constructed, personal pyramid of values, coherent with our religion belief, whatever it be, and with our own variety of behaviours.

PROFOUND REFLECTION: To reflect on the worldwide situation, on our own life, in our projects and ideals, on the future of our family, and so on, is a very good exercise to control our internal tranquillity. This way allows us to maintain a solid state of mind and a controlled emotive system, because doing so; we can compare insignificant accidents with tremendous problems. We give to each fact the correct estimation.

CONSTRUCTION OF VIRTUES: parents need to grow in their own moral capability to be good models for children [19; 20; 21; 22].

To build up internal peace is a delightful activity. We become aware of our own necessity of equilibrium, and begin to think in a different way about the others and ourselves. Happiness is the result of this process of building our own inner peace, also at the family and then it irradiates to the city, the country and the entire global village

My article is some psychological context of theoretical models SOCIONOME and PSYNOME presented above. Detailed combination of these models as models of social (global) and individual peace on the basis of their deep structural integrity is a task for future research. But their essence is one: balance, peace and harmony of inner spheres of the individual and society as a key condition for global peace, the first scientific disclosure of which is made in this book, in which undertaken the first attempt in history to create one science of peace both global and individual, inner. We can see that psychological specificity of SPHERONS as actors of global peace is linked with priority of the appropriate psychological sphere in personality structure, each sphere of which is an actor of the individual, inner peace through a single persona. But that is another topic.

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7. Harmony: Open Way of Human Development from War to Peace

Igor Kondrashin

Although I am not familiar with Dr. Leo Semashko's Tetrism as the philosophy of natural and social harmony but I've been studying long classical philosophy of harmony since Plato and Aristotle, which is presented in my book *"The Truths of Being in Mirror of Consciousness"* [23]. This article includes excerpts (with some additions) from this book chapter *"Harmony as a Way of not Deadlock Development"*, where are all the links. Its conclusions are similar to Tetrism as four-dimensional philosophy of harmony.

Traditional historical path of militarism in the history of humanity: *"If you want peace – prepare for war"* found oneself a deadlock for the world community. Peace as there was no and no. The governments think not about peace and about the war, the new weapons, increase of military spending, and so on. The natural way to peace is from harmony, about that a few thoughts are in this article.

*For us there is nothing more worthy than what not to follow
like sheep for the herd going ahead and move the wrong way,
on which go everything, and so on which **should** go.*

Seneca "On the Happy Life", Chapter 1

Progress as sustainable development is not only a goal but a condition of existence of the material world, including society and human. In all that concerns the development, proportionality, balance, consistency, elegance, continuity, compliance, in a word, the maximum harmony must be. Only then the fusion of the various components of the world in a whole can be organic and long-term. Otherwise, if there is any deviations and distortions in the apparent overabundance or lack of something we will have all the signs of chaos, disharmony and, as a consequence, the absence of preconditions for further development in the direction of progress, then the existence of matter as a whole is not may allow for definition.

Progress, which means harmony and occur in all spheres of life but is most noticeable in everyday life, in science and culture. Development, as the time, you cannot stop or speed up. Social time is filled with employment of people from birth to death, so it is reduced to the employment of max large groups/classes of people SPHERONS, the harmony of which defines peace (see chapter 1). Therefore, whether we like it or not, the noosphere development will move forward with or without us, regardless of our or someone else will go only not deadlock path towards progress and more perfection, so harmoniously. This is an objective law, the truth of the third stage, an unquestioned absolute. Therefore, the same absolute truth for the society is the definition of "peace from harmony of SPHERONS" taken as a starting axiom in Global Peace Science (GPS).

The questions of harmonious development, including the human personality, had great importance in ancient times. Plato, defending the idea of the universe as a coherent and proportionate order, argued that this is why our universe is called "cosmos" and not "disorder" or "outrage." Aristotle, in turn, noted that: "The harmony and rhythm there is some affinity why many philosophers claim that the soul is a harmony, and some that it is harmony in itself."

The care about own self-development, Seneca understood as a psychological harmony of the inner world of man and as the rule of intelligent principles over the passions as the lower start. All of this, in his opinion, can be achieved with the help of philosophy, which he attached the utmost importance in life. Seneca had solved the problem of using time that should be protected and, most importantly, spend effectively. He one of the first realized the "theory of placing people at the forefront of second hand watches" with which we move from the beginning to the end of our life, gradually transforming stretched before us **future** into the irrevocably bygone **past**. These ideas are summarized in SPHERONS' theory of employment, which is the GPS fundament and source...

Based on the foregoing, under the harmonious development of personality, from which grows and inner and global peace, it should be understood consistent mastery of the individual of standardized volume of noosphere knowledge, including information on the areas of macro and microcosm, the list of actual moral concepts and etc. This minimum is necessary for any society, and for humanity as a whole. One of the attempts to present this minimum amount of knowledge for harmonious development in global world made in GPS.

The harmonious, sustainable development should be priority direction and meaning in the life of every individual, every society, every generation of people and humanity as a whole. The purpose of this development is a harmonious perfection. All other objectives lead to regress, and therefore they are anti-human and unnatural. The great Russian neurologist Bekhterev wrote in this regard: "*In any case, it is necessary to take into account the fact that only the harmonious development of body and spirit ensures proper perfection of the person.*"

To achieve the overall goal of development – the harmonious perfection of society, humanity as a whole – is possible only in a single case: if to it will direct the majority of people on Earth, studying, using, applying and developing modern philosophical and scientific knowledge presented in GPS. Now the way to harmony is open of its scientific knowledge and philosophy.

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8. The Army of Culture. From History of Peace Movement after 1970

Dmitry Delyukin

In April 1935, at the White House in Washington for the first time all the countries of the Americas was signed a Treaty on the protection of artistic and academic institutions, as well as historical monuments. In the information space this Treaty it became better known as the Roerich Pact. It was the first in the history of international law an agreement on the protection

of cultural heritage. Its motto was "Pax Cultura" – "Peace through Culture." For the world culture this event was more than remarkable. After all, in the heart of Europe has blazed a fire of misanthropic ideology of Nazism. Europe was on the brink of war. History does not tolerate the subjunctive mood but if all the peace-loving European countries drew attention to the Roerich Pact and made a concerted effort with the United States to unite under the Peace Banner, which has become the Roerich Pact emblem, perhaps the WWII could have been avoided. Roerich Pact was the only instrument at the time, having an international status and counter potential to military aggression. But in Europe, the Covenant has not caught on.

Scattered European community distanced itself from liability; many countries do live by the principle: "none of my business, I know nothing." Subsequently, the Pact separate definitions have been revised and traced in the provisions of the 1954 Hague Convention and in other international conventions adopted by UNESCO. But only in 1975, the Roerich Pact was repeated as a basic document in the substantive provisions of the Paris Convention for the Protection of the World Cultural and Natural Heritage. Of course, the history will not redraw but the value of the Roerich Pact is still important for the international community and a reminder that despite all the peace conventions in 60 years, the world is still resolves conflicts through the use of weapons to kill and destroy the cities.

The only opposition to the dirty game of politics is still culture. Roerich himself was a minister of Culture and considered a sign of the Trinity of the Peace Banner as the most universal solution of all the contradictions in the global coexistence. In the GHA light, "Religion, Science and Arts in the ring of Culture" are a universal Tetranet (four-dimensional, net) symbol of our planet. It is also a very ancient sign: it can be found on Mayan pottery and ancient vases in the Peloponnese, in the Chinese and Iranian medieval miniatures, as well as in the European Gothic. The countries with a highly developed culture of peace will always strive to solve arising conflicts peacefully as culture elevates to status of the greatest values. But many countries are concerned over the growth of military spending than the development of culture of peace, because many now argue that the Third World War is already go.

So now more important than ever to remember all those peace initiatives and organizations that existed in the modern history after WWII to revive a new movement for peace, especially in Russia, which became the USSR receiver but has not yet reached the peacemaking leadership, which had the Soviet Union. Indeed, it had a lot of peacemaking tools, which formed the face of the Soviet state as peacemaker. In September 1941, it was established Anti-Fascist Committee of Soviet Women; and in 1956 it was renamed the "Committee of Soviet Women" – a public organization created to unite the efforts of the USSR and foreign countries in the common struggle for peace and international security. It was one of the most powerful public international organizations to compete even with the UN. The Committee main activities was determined tasks of the international democratic women's movement. The Committee is one of the founders and active members of the Soviet Peace Fund, which entered the 1945 International Democratic Federation. He maintained friendly ties with progressive women's organizations in 120 countries. It was headed at different times, three Soviet women: V.S. Grizodubova (1941–45), N.V. Popova (1945–68) and V. Tereshkova.

With the collapse of the Soviet Union and the socialist camp such a powerful public organizations in our country ceased to exist. Now on hearing a lot of non-governmental organizations such as Human Rights Watch (HRW), Organization for Security and Cooperation in Europe (OSCE), the "Society for the Protection of children", "Doctors without Borders", "Global Media Community," and so etc., but a single line of development of world politics to the disarmament and peacebuilding there is no. However, we are encouraged by the fact that these organizations fit into the world scientific strategy of peacebuilding, which

creates on GPS base in the GHA, whose mission is to develop a similar common strategy for peacebuilding in the world (see below).

All of the great initiatives require a certain time. But the main thing – is to begin. The first precedent to create a new army of Culture in Europe was establishment in 2012 in Lithuania four Peace Cities. The first three were declared on April 15 on celebrations of the World/Universal Day of Culture. Lithuania is the first country in the world to legalize this Day and celebrates it on April 15 in memory of signing in 1935 the Roerich Pact. The example of Lithuania spread and is now in 28 countries. In every city in Europe and the world have their own cultural values that must be preserved and which can give rise to such initiatives. For example: The first city, which was declared as City of Peace in Lithuania became Dubingiai. Then this initiative taken up by other Lithuanian cities: Ylakai having deep cultural traditions and origins associated with the Day of Culture. Here was born Julia Dvarėnaye-Montvidene, first chairwoman of the Lithuanian Roerich Society, the initiator of the Roerich Pact in Lithuania. Rietavas, which celebrated 120 years of the first electricity and phone in Lithuania thanks to the efforts of princes Oginski. This year, in Lithuania for the fourth time raised the Peace Banner in Neringa. This is a beautiful resort destination on the Curonian Spit is listed sites under UNESCO protection. [24; 25].

It is noteworthy that despite the cooling of diplomatic relations between Lithuania and Russia, in Neringa warmly welcomed guests from Yelets University: Catherine Black, and Julia Barkova. The fact that Yelets is the first Peace City in Russia since 2008. In it was born N.V. Popova who worked as chairman of the "Soviet Women's Committee" in 1950–60-ies. Chairman of Yelets fraternity and producer Renita Grigorieva, daughter of Popova, said: "if there is a science of war, *has long been the time to formulate the postulates of peace science*" (emphasis added – D.D.). Yelets was engaged in peace throughout all its history. This mission he received at the gene level." [26]

It should be noted that the list of Peace Cities [27] is replenished very active through work of Dr. Alicia Rodriguez, President of the International Committee for Banner of Peace, a UN non-governmental organization, who is one of the most prestigious actresses in Mexico [28].

Unfortunately, the army of peace is shattered in the face of the unity of all war resources: military science, military industry and military organizations and armed forces/personnel with their military education. The unity of peace army can give not only of global peace science, able to unite all social spheres as the spheres of human culture against the war but the state agency – for example, ministry/department of peace through culture in the Russian government (below). (The USA tries unsuccessfully to do like almost 20 years.) Then the army of peace and culture will have hope on victory over the army of war with all its countless resources.

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9. Global Harmony: Implementation of Universal Peace. *Naresh Goyal*

In every era of history we notice people everywhere yearning for true peace that makes everyone a winner and no one a loser. The genuine path for a permanent peace has been provided to us by many religious leaders over the centuries. Those communities that followed their guideline did experience the joy of peace at one time or another. Peace is not something that comes by itself. We have to work for it with determination and perseverance. Global harmony as the sole source of peace becomes a reality if all human actions are directed toward the welfare of all people without exception.

All those who work genuinely to bring about peace through global harmony are said to be soon gifted with the seven gifts of the Holy Spirit. These gifts may be viewed as effective instruments to facilitate the ultimate goal of peace-workers. They may be outlined as follows:

1. Wisdom: This consists of the ability to see things into true perspective same way as God sees them without any deception.
2. Understanding: This deals with our own ability to see things clearly from the perspective of others as to enhance better relations.
3. Counsel: This enables us to understand fully well the needs of others as to be more capable of helping them properly.
4. Fortitude: This instills in us the strength we need to do what should to be done effectively to the best of our ability.
5. Knowledge: This helps us acquire the indispensable insights we need to have in order to provide better help for those we come across. Today particularly important is the knowledge of Global Peace Science (GPS), which covers all of the tools for peace from harmony in unity.
6. Compassion: This gives us the opportunity to provide all available assistance to those that may have special needs.
7. Fear of God: This stems from the fact that God is so kind that the chance that we may displease Him makes us be more cautious in what we do.

In order to understand what steps should to be taken to bring about peace through global harmony, we need to realize the obstacles that must be overcome. Throughout history war has always proved to be **the enemy of peace**. There was a time when wars were waged to solve human conflicts that were viewed to be not possible to solve through constructive dialogues and healthy diplomacy. Today, the main enemy and a constant threat to world peace and global harmony, as well as the source or the participant (explicit or secret) almost all wars are the USA global military empire together with NATO (<http://rickrozoff.wordpress.com>, see also chap. 4 and 9).

Nowadays the manufacture and sales of weapons along with the promotion of struggles and wars have developed into a lucrative business, which globally thriving in the US. Hence, most of the wars that are being waged at this stage of history stem from greedy big industries that want to make money fast, regardless and of atrocities and pain that may be inflicted on millions of innocent good people. If we analyze the wars that took place in recent times, like the one of Afghanistan and Iraq, we discover that the reasons given were for such wars entirely false. There was a true hidden agenda meant to generate money fast and smooth.

Those that waged such wars said it was due to “national defense and security,” when in practice it stemmed from corruption of one sort or another. The billions of dollars that were spent on these two wars could have been spent to provide free health care and free education to millions in addition to providing millions of homeless people with residential facilities.

The preamble of UNESCO runs as follows: “*Since wars begin in the minds of men it is in the minds of men that the defenses of peace should be constructed.*” Global peace from harmony is constructed in GPS, which through a good education provides the ultimate achievement of global harmony.

In view of what has been stated, we need to establish direct dialogues with all responsible government officials as to give them insight and foresight into what needs to be done for the eventual creation of global harmony, which is an indispensable pre-requisite for permanent peace. Although the eventual achievement of world peace may be difficult, it is not impossible. When the saintly Pope John Paul II was asked in Mexico, during the decade of the eighties, as to whether world peace was possible, he answered in the affirmative. He assured the people there that world peace would come “*only after two of the greatest evils of the 20th century are gone.*” He then pointed out that “*these two great evils were communism and capitalism because both advance their causes through the exploitation of people.*” Three years later communism collapsed and the world took a sigh of relief. People everywhere thought that the

United States, being the sole world power then, would take the opportunity to bring about a genuine world peace.

To prove that the Pope's statement was 100% correct, but the United States almost immediately embarked upon the largest military build-up in the world. Every continent was literally polluted with US military bases that were viewed as a threat to quite a number of countries. And we know the rest of the story. Plenty of turmoil developed as a result, which led to many terrorist activities.

Of course, all of us know very well that violence breeds violence and more violence breeds more violence. The military is trained to wage wars and not to perform humanitarian activities of the type of Mother Teresa of Kolkata. It is trained to destroy the infrastructure of cities and to kill, as a result, tens of thousands of innocent people amounting to millions on a global scale. It creates tens of thousands of refugees in addition to tens of thousands of orphans. It brings about enormous human suffering especially among women, children the elderly.

May be after the collapse of capitalism global harmony will become fully feasible and world peace will reign for a very long time. But this requires new scientific knowledge – GPS, which will provide the people of different nations and religions consciousness of how all the nations of the Earth to build global peace on eternal foundation of SPHERONS' harmony.

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10. Global Peace Science as the Study of Existential Harmony

Surendra Pathak

(Definitions of key concepts of this article: existential harmony is natural spontaneous harmony of nature, society and human; existentialism is theory or doctrine of existential harmony.)

The world is facing many a challenge like pollution of air, water and soil. Natural resources are fast depleting. Population growth-rate is outstripping resources worldwide. There is an uneven distribution of sources of livelihood. Multinational corporations are putting undue pressure on governments and twisting their policies. Nuclear weapons pose an imminent threat to the survival of mankind. Confrontationist policies and use of military power to resolve economic and political interests are on the rise. Genocide, racism, fundamentalism and terrorism have wrought havoc worldwide. Issues relating to personal life like rising divorce rate, depression, stress and lifestyle diseases etc., are causing an unbearable tension in the society. Therefore, a holistic approach is needed to grapple with the current unhealthy syndrome. Global Peace Science (GPS) is the similar modern attempt of this approach.

Research studies, right from the earliest literature down to recent times are focused on the essential cosmic harmony – interrelatedness and interdependence of all planets and all beings. There is divine unity in the phenomenal diversity. There is continuity in the process of evolution in the four stages of the natural order – material order, respiratory order, animal order and knowledge order. Every unit in the Nature is coherent from within and correlated to the cosmic order from without. All existing living and non-living objects are self-controlled and inherently balanced by the Laws of Nature.

The Earth planet is an important part of the whole cosmos. It is essentially governed by the laws of nature and it functions in a harmonious manner. It serves as the most important natural source to the survival of a number of material bodies. on the Earth planet, there are billions of objects, comprising human beings, flora and fauna, the atmosphere, hydrosphere and geosphere, which are interdependent and interrelated in a **harmonious existential order**. This

order has its own intrinsic laws, which regulate its functioning, articulating physical, chemical, biological and ecological aspects as well as human activities.

In order to live in harmony with nature, human beings must recognize and respect its intrinsic laws and its vital cycles. In such a system, all the objects, being and non-beings have to live within their limits as determined by the laws of nature. The deviants of the laws of nature are bound to impinge upon the rights of others and disturb the system of eternal harmony. Therefore, **it is irrational and immoral to recognize any kind of extraordinary privileges for human beings** at the cost of several other components/units of the Earth planet. *Human beings have to understand their essential obligation and function in coherence with the larger context of existence. The human existence has to function and sustain itself within this system. Accordingly, we need to create political, economic, religious and educational institutions in consonance with the spirit of the laws of existential harmony.*

In the field of natural and social sciences, research and explorations are being conducted to establish this inherent synergy at the atomic and cellular level of human beings in their chemical and physical activities. We should understand the elegance of this coherent order. The principles of harmonious existence will serve as a beacon light in all human endeavors. Otherwise, human beings shall pay the price for their negligence of the laws of nature. *We have to understand the meaning of spiritual ecology i.e., living in harmony with everything that nature has created [29; 29a; 29b; 30]. Man must utilize the sources of nature as per his natural needs and give up his wanton desire for exploiting and overpowering nature.* It will help humanity to escape from conflicts and wars. Accordingly, we need to create political, economic, religious and educational institutions in accordance with the spirit of GPS social laws of existential harmony, which provide global peace.

Violation of world peace and natural harmony disrupts coexistence, an intrinsic character of existence. To our great satisfaction, the spiritual scriptures of the world and constitutional documents have always espoused the cause of peace and coexistence. We should not retard our ability to think and reason in solving our problems. This requires GPS, the creation of which began in the GHA. The peaceful solutions are possible, and they are waiting to be discovered only by unbiased and objective research of this science. Individuals and organizations all over the world are striving to rectify human errors and restore global peace. Let's explore new possibilities and alternatives to realize the harmony on the planet Earth. Every individual has some responsibility to contribute to the process of global peace.

There is a harmonious unity in the phenomenal diversity. In the words of philosopher A. Nagraj [31], there is continuity in the process of evolution in the four stages of the Natural Order: material order, respiratory order, animal order, and knowledge order. Every unit in the Nature is coherent from within and correlated to the Cosmic Order from without. All existing living and non-living objects are self-controlled and inherently balanced by the Laws of Nature.

GPS highlights within this natural order as its organic part the social harmonious order of four spheres of social production and the four harmonious classes SPHERONS who are employed in these spheres, constitute the global social structure and ensure global peace as its actors. Existential order of social harmony of SPHERONS is revealed in this book, and integrally expressed in SOCIONOME, social genome of 16 fundamental elements of social harmony as the basis, from which grows global peace. In the most common manner this order is presented in the GPS subject matrix [see paragraph 5.4.]. As global peace and its science grow out of harmony, GPS is the science of existential harmony, i.e. scientific research of its specific part, namely social harmony as part of existential harmony.

The main thing here is the study of the four existential orders of global peace of SPHERONS – four spheres of social harmonious functioning. The important objectives of this study in GPS are: identification of key social problems and finding their harmonious solutions;

inter & multi-disciplinary studies of global peace; orientation of the world scientific community toward peace researches and synthesis of their achievements; creation of a universal curriculum for peace education; development of political, social and economic theories of harmony; creation of a network of peace researchers, workers & academicians of GPS.

Scientific understanding of existential harmony of global peace is connected with the discovery of its existential actors – SPHERONS. Only on this basis can reveal the deep meaning of central definition for global peace in GPS as "peace from harmony", i.e. peace that is constantly reproduced into SPHERONS harmony, which determines the peaceful nature of humanity and each person. Everyone is always included at one or other SPHERON. The study of existential social harmony SPHERONS is the GPS central task, primarily sociology and statistics for knowledge of the global peace laws and its conscious practical building since XXI century, when this science will find general recognition.

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11. Global Peace and Science. *Timi Ecimovic, Roger Haw*

The presentation of this article is connected with "Quality of Life" and the impact of the technologies, and has been written by Prof. Dr. Timi Ecimovic, and Sir Prof. Dr. Roger Haw as contribution for the Sustainable Future of our civilisation, and has been written for World Peace Summit in Zagreb, Croatia 9th October 2005 International.

The peace of all humans on the Earth is very complex issue, and the science and education has to play significant role for evolvement of this value. The greatest modern achievement of our civilisation should be foundation for the World Peace, and let us hope to add small brick into this effort by presenting this article. The science as permanent counterpart of our civilization achievements is result of human activities, and is making main contribution towards evolvement of the socio/economic human system of present civilization.

What is the Sustainable Future, and how to use science to assist sustainable future of our civilization? From the beginning of human kind of this civilization some over 100000 years before, last glacial time till some 16000 year ago, our civilization passed the historical steps: from tribe with Chief and Spiritual leader, over stone age, ancient times, antiquity, mediaeval, industrial and to present information/innovative society.

In Stone Age the religion, best assistant of humans for ruling over them and by them appear, and become best assistant to Chiefs of tribes. Society with rudiments of economy was vulnerable and humans were in very low numbers. Science was at those times at beginning of practice/accumulation.

With socio/economic evolution under sciences guiding, the kingdoms of antiquity emerged together with slavery, and great kingdoms of China, Persia, Babylon, Egypt, Greeks, and Romans appear and disappear, and it was time of great scientific achievements. Writing and reading, Literature, Philosophy, Mathematics, Physics, and great scientist like: Plato (427 – 347 B.C.), and his pupil Aristotle (384 – 322 B.C.), and many more sciences were established, and played important role for human society evolvement. The information exchange improved, money as human servant was invented. Education was established and humans could learn as much as wished or been able.

Medieval time with many brakes for social evolvements, and great scientist as Galileo (1564–1642), Copernicus (1473–1543), and Newton (1642–1727) to mention have contributed major part of scientific knowledge and possibilities for further explorations before pre and industrial era. Information exchange did not improve a much, slavery was just to end antique form, and money system developed basics of banking.

Finally we should ask ourselves as to where science is leading us – to prosperity or to annihilation? The answer cannot be given at this stage. We shall have to wait and see. To follow from Stone Age to Industrial Society and further – the Industrial society make background for population explosion,

scientific and applied research, socio/economic system, life quality, information exchange, money – master system, large human killing systems and big wars, genocide activities, terrorist activities, large enlargement of urban societies, and large evolution of education/scientific system.

By the end of industrial era information package was doubling in matter of months, with possibilities for faster information exchange, classical slavery was almost eradicated, **modern slavery was taking more and more** of urban life, quality of life was at high standard possibilities, which could be gained by **money system – money/master or monster**, which developed to the status of monster, local, national and international bureaucracies took all ruling into their hands, sciences become not understandable due to countless specialisations, and individual approach become basic expression of humans of information society.

By commencement of third millennium our global society was emerging, guided by money – monster system. Individual human did not establish global society, but it was established because of money system needs for feeding countless forms of human – money slavery. Second to money – monster leading socio/economic system within global society emerged very strong bureaucratic local, national and international system.

Global society has come under two masters: ever increasing bureaucracy and always hungry money – monster system. **Democracy as term is in practical use as camouflage** for undercover ruling practice. **Only real term, which may be proper, is money – democracy.**

Science become servant to military needs and major part of discoveries have been in close connections with production of killing devices for destruction of non-accepted part of human global society. The scientist, who is connected with military project, is rich scientist, the rest of scientist are wandering between education, research and family needs. **Independent scientist does not exist in practice.**

So we entered 21st century with over six billions of people, and if we say have 2 % of maths gifted people it means with 120 million of them, and consequently with tremendously developed technical sciences and sciences based upon mathematics and physics, second to them are **social sciences. The natural sciences are doing their best to follow, but are more and more behind** [32; 33].

In conclusion we think the World Peace could be achieved as commitment of humans for survival as sustainable future. New civilisation ethics, contract, values, moderate life style, one Earth one Government, and tolerance amongst peoples are some of basics for the World Peace of our civilisation.

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The GPS Editor in Chief comment. The new civilizational ethics is harmony; the new key value, including all others is harmony; moderate lifestyle is harmony; peace is harmony; tolerance is based on harmony; new science, free from military dependence is GPS from social harmony. Thus, social harmony and its science are the common denominator and source of all radical changes of global society from war to peace.

12. Intuition and Science in Interfaith Harmony and Peace. Brahma Kumaris

Example. *Leo Semashko*

This article is a shortened version of its full text, published in 2013 [34].

Intuitive and scientific knowledge of harmony: mutual complementarity. Universal and holistic harmony exists on different levels: at the individual level of the person, at the global and local social levels of human society and on an infinite level of the Cosmos, Universe and God. It is clear that these levels are inseparable and exist only through each other, and mutually interpenetrate, including each other. This determines their infinite complexity and inexhaustibility of knowledge. Any knowledge of harmony is relative and limited, constantly extending, deepening and proclaiming in the historical process of human knowledge.

It is also naturally that for universal, holistic and infinite harmony there is no single and absolute form of human acquirement that is necessary and sufficient for its knowledge. There are many forms of

its private knowledge, necessary but not sufficient, each on its own. There are two main forms of its knowledge: intuition (including faith) and science (as one of the highest manifestations of reason).

Intuition (contemplation, flair, insight) is the direct apprehension of truth based on imagination, empathy, and previous experience without logical analysis (*Wikipedia*). Intuition – is the knowledge of any event of harmony of any kind and level that does not require facts as the sole basis of knowledge and is based ultimately on historical collective experience of people. Intuition – is par excellence sensory, supersensible and super-rational perception, cognition and thinking.

At the level of spiritual infinity, intuition unites and harmonizes people. This is its dignity and advantage in the knowledge of harmony. But intuition does not and cannot give universally accepted, even limited, knowledge of the structure of harmony on any level: God, society or human. As soon as there is a question among people regarding understanding of their structure, there always are dissenting intuitive opinions, which divide people and lead them to misunderstanding and then to enmity and even war. On this side, intuition leaves people disharmonious and disconnected and therefore weak in knowledge and creation of harmony. Therefore, intuition is not enough, is limited in its use and requires the addition of the science.

Science is theoretical systematization of objective knowledge, the basis of which is the collection of facts, their constant updating and generalization (*Wikipedia*). Science is knowledge of only limited phenomena of harmony, about the circle of which a human may have the facts to confirm these phenomena, their properties and relationships. Science is primarily theoretical mediated knowledge and thinking.

Science is able to cover, but only partially, the spiritual pyramids (qualities) of society, the person and its harmonies. Infinite harmony of God, as well as the associated infinity of the soul and the highest moral values, is not available in science, which always has to deal with objects, limited facts. **God and His Harmony are not available to science on a scientific definition.** They are only available to the intuitive knowledge, the most advanced form of which is religious thought, including religious philosophy, and different beliefs, including Yoga. **But the infinite harmony of God, society and humanity is necessary for science as the support and symbol of its integrity and ethics.** Science without divine spiritual harmony loses its supreme guidance and meaning in understanding and knowledge of any limited harmony. That is why even a limited harmony of society and the person does not become a subject of science so far. Up to now there is no science of social and individual harmony, except Tetrasociology which appeared only four decades ago and got its first expression in *the ABC of Harmony*, in 2012.

Science without God is easily converted from a positive into a negative and destructive tool that we see in the industrial society and its people. Industrial science and limited mechanical knowledge does not give us understanding our own social and individual harmony as our most important and useful knowledge. Therefore science is insufficient and limited in itself. It requires addition and synthesis with intuition, faith and God. But science not alone is insufficient. Intuition and its understanding of social harmony are also insufficient and limited in themselves, so they require addition and synthesis with science. This is particularly evident in the case of the Brahma Kumaris (BK) [35] representations of social and individual harmony.

The necessity and insufficiency of the intuition of harmony in BK. Intuition of harmony is presented in two BK books of one author Jagdish Chander *Harmony* [36] and *Building a Value-Based, Peaceful and Prosperous Society* [37]. Moreover, the first book is almost entirely included in the second, so we'll only talk about it.

First, we must emphasize this book's undeniable merits as an intuitive masterpiece of social harmony, as the intuitive ABC of Harmony of 2000, 12 years before *the GHA ABC of Harmony* [3] and as the BK intuitive sociology of harmony. For brevity, we shall call it the "BK Sociology." The BK Sociology dignities, which determine its necessity and unity with the science (scientific sociology), are:

1. Definition of harmony as a "universal and holistic" uniting and defining any viable diversity, which is fully identical to its scientific definition in *the ABC of Harmony*. This provides a unity of its intuitive and scientific knowledge and understanding.
2. Definition of the existing society as a disharmonious and spiritually impoverished "Iron Age" with a priority of material wealth, which (this age) is to be replaced with the harmonious and spiritual (value-based) society as a "Golden Age" with a priority of spiritual values. *The ABC of Harmony* expressed a similar definition, but in scientific terms: the current civilization is

industrial and disharmonious with priority on economy which is going to be replaced by harmonious civilization with priority on the spiritual culture of SPHERONS.

3. Definition of harmony as "the Prime Value", which includes other values: love, unity, peace, justice, harmony, brotherhood, etc., which makes harmony by holistic value. A similar understanding of harmony develops in the scientific *ABC of Harmony*.
4. The dawning of the harmonious society/civilization or the "Golden Age" is impossible without appropriate, harmonious spirituality presented and developed in BK. Harmonious society requires, above all, the harmonious divine spirituality of all people, which can be acquired only through Raja Yoga. Similarly, in *the ABC of Harmony*, the conscious and non-violent building of harmonious civilization is impossible without the harmonious spirituality presented and developed, first of all, in the theoretical science of social harmony of SPHERONS – in Tetrasociology.
5. The root cause of disharmony as a negative force that generates the defects and pathologies of society is ignorance of harmony and as a lack of knowledge of its infinite spiritual source – God. Similarly, in *the ABC of Harmony*: the main cause of disharmonious industrial civilization is its ignorance in the scientific (positive) knowledge of harmony of SPHERONS and its neglect of this knowledge.

We have named only the basic dignities of the BK intuitive sociology that define its social need and demand unity with the science of social harmony, with Tetrasociology presented and unfolded in *the ABC of Harmony*. The insufficiency of BK intuitive sociology is expressed in its following qualities and definitions.

1. The main weakness and lack of BK intuitive sociology is individualist reductionism, expressed in the fundamental thesis: "change of human changes society" or "a person who positively changes, positive change society," etc. on this basis, at the center of its activities, BK accomplishes spiritual transformation of personality, individual, believing it is sufficient for positive societal transformation. Such subjective reductionism cannot see specific social laws at different levels from the family to global humanity. Society and humanity are not a mechanical sum of individuals – as well as social harmony is not a mechanical sum of harmonious persons but harmony of their largest groups – SPHERONS. Hence, individual harmony must be supplemented by social harmony of SPHERONS. This requires the special scientific knowledge presented in *the ABC of Harmony* and in chapter 1.
2. BK intuitive sociology distracts from making a single structuring, systematization and ordering of society as a social organism. It talks about society at the level of traditional everyday concepts, which lead naturally to the intuitive approach which neglects scientific analysis and theoretical generalization. The ordinary concepts of everyone are special. Hence on their level there cannot be unity in the understanding of social phenomena. Intuitive sociology does not give a clear, detailed and generally accepted answer about the structure of individual and social harmony.
3. The basic methods of intuitive knowledge of harmony in BK are induction and analogy, based on endless everyday examples. They, very often, are bright, wise and persuasive, showing dignity of the intuitive ideas. These examples make the most difficult thought accessible to the very unpretentious mind. This is the methodological dignity of intuition, which we must adopt. At the same time it is its lack of logic from which we want to free.
4. Intuitive knowledge of harmony is devoid of quantitative aspects and mathematical approaches. Its scientific knowledge, in contrast, has broad mathematical approaches that are presented in *the ABC of Harmony*. As we know, only mathematics transforms knowledge into science, making this knowledge, by conclusive, verifiable, universal concepts, acceptable as one for all. Mathematics lifts this knowledge over an infinite variety of subjective intuitive opinions.
5. The BK, as an organization of intuitive harmony and sociology which exists among the many spiritual organizations in India, develops intuitive knowledge of harmony and submits its infinite spiritual variety, the richest in the world. Nowhere in the world have we found similar spiritual wealth. This is a vivid testimony of the real advantages and power of intuitive knowledge of spiritual harmony at all levels, from the social to the individual and the divine. But the striking and the other, negative, side: these organizations exist independently of each other, not trying to find a harmonious unity among themselves to demonstrate spiritual and organizational harmony in mutual relations.

On the basis of a brief analysis of the BK intuitive idea of social harmony, we showed its insufficiency, from which the logical necessity of its synthesis with the scientific knowledge of social harmony of SPHERONS follows. The intuition of harmony can overcome its social weakness only by integrating with the science of harmony, which is represented at its highest development in the GHA collective global textbook: *the ABC of Harmony*.

The necessity and sufficiency of the unity of science and intuition. The variety of harmony requires unity of diversity of its knowledge, above all the unity of science and intuition. Harmony diversity is represented in its intuition but the unity of this diversity cannot be achieved beyond science. Therefore, unity of harmony intuitions is possible only on the basis of common scientific understanding social harmony of SPHERONS presented in *the ABC of Harmony* and in this book. This unity is necessary in equal measure for both knowledge of harmony: for intuition, and for science. Only in this unity necessity acquire sufficiency in mutual complement. Complementarity, integration and synthesis of science and intuition are the highest level of their cognitive harmony and integrity adequate to objective wholeness of social harmony of SPHERONS. Full and sustainable interfaith harmony also is achievable only through harmonious unity of science (reason) and intuition (faith). Global peace between religions and between believers can only arise out of here.

Two types of harmony knowledge are two kinds of its spirituality: (1) the scientific spirituality of harmony, which was first launched in *the ABC of Harmony* and (2) intuitive spirituality of harmony detailed in the BK texts and others religious writings. The necessary and sufficient unity of these two forms of spirituality requires the integration and cooperation for the sake of their overall harmony and global peace from their harmony. **Dr. Leo Semashko**, Editor in Chief, *Global Peace Science*.

13. Orthodox Sobornost as Way of Interfaith Harmony to Global Peace

Leo Semashko

Sobornost as a life in consent, harmony and peace of different nationalities and different religions received wide development in Russia for centuries. A powerful impetus to this 700 years ago is the spiritual feat of St. Ven. Sergius of Radonezh, commanded his disciples, founding the 150 monasteries in Russia and also to Russian princes, torn by internecine strife and their subjects unity and harmony in the image and likeness of the Holy Trinity – unmerged and indivisible, having **three persons** and **one divine will**. Spirit of peace from sobornost/harmony inspired the younger contemporaries and followers of St. Sergius, Andrei Rublev – the great founder of Russian art who gave it the highest harmonic and moral principles. Sobornost found a deep reasoning the multitude of Orthodox thinkers, primarily in Russia (Ivan Kireevsky, Aleksey Khomyakov, Sergius Aksakov, Slavophiles, and others). “*Khomyakov and Kireevsky originally used the term sobor to designate cooperation within the Russian obshchina, united by a set of common convictions and Orthodox Christian values, as opposed to the cult of individualism in the West*” [38].

All of the above has made Orthodoxy by the most peace-loving branch of Christianity and the Christian world, which lifted the sobornost principle in the highest rule of relations between the Orthodox countries (Russia, Serbia, Greece, Macedonia, Bulgaria etc.) and within the Russian state as **the peace law** of many peoples and religions in one and equal "Cathedral/Sobor" with cooperation **without mutual suppression and destruction**. Therefore, Orthodox Sobornost is one of the best in history the peaceful path to global peace and interfaith harmony. Of course, it also has drawbacks and internal difficulties but it is internally open to peace from harmony.

This age-old peace policy from harmony, not cruelty, violence or exploitation of one nation by another allowed Russia to become the largest multi-ethnic and multi-religious country of the contemporary world. (We emphasize that we are not concerned here with the issues of social contradictions, class exploitation, and so on, which explores for all countries in this book). This peace policy from sobornost/harmony is very different in comparison with the situation of extermination of indigenous peoples in the Americas and Africa during the period of colonization by Europeans, as well as from the principle of creating transcontinental empires XVII-XX centuries. Britain, Holland, France, Spain, Portugal, Germany, Italy. The high humanistic principles, defined to Western (Christian) world by the father of European Renaissance Francis of Assisi, were completely drowned out by the voice of greed and profit, which did not dare to argue loudly Catholic Church, which often itself warned hands on it. Protestantism emerging in Europe on the wave of the bourgeois revolutions and became the dominant

confession in the United States, generally elevated activity for profit in one of the main virtues. It is a matter of special historical research, which we omit here and now, to get back to it later (see below chapters 9 and 10). **Dr. Leo Semashko**. Editor in Chief, *Global Peace Science*.

14. Harmony and Yoga Days for Peace, June 21, GHA Message

Leo Semashko, Subhash Chandra

GHA Message on June 21st, 2015

Global Harmony Day 2015: **Global Peace Science** (GPS) between Extremes of Humanity Survival.

GPS as Yoga Practice: Unity of Body, Mind & Spirit for Peace from Harmony.

GPS = One Earth + One Humanity + One Harmony + One Peace = One Family.

Publication:

In English: http://peacefromharmony.org/?cat=en_c&key=225

In Russian: http://peacefromharmony.org/?cat=ru_c&key=257

Dear Creators of Harmonious Civilization!

Global Harmony Association (GHA) states: a contradictory historical process made 2015 year for humanity as never close simultaneously to two extremes: life and death:

The open preparing militarist aggression of block US/NATO against Russia, including preparation of nuclear war, put humanity to the brink of military self-destruction [39]. This is the most dangerous threat to global harmony as source of life for nature and humanity on Earth.

On the other hand, the Global Harmony Association in January 2015 in Russia for the first time in history published "**Global Peace Science**" (GPS) by 89 co-authors from 30 countries [40]. This GHA book gives everyone the opportunity to understand how we can establish global peace from harmony and keep our life beyond military death and how we can save humanity and our planet from the nuclear catastrophe in nuclear war, which can be stopped by GPS. This only emerging science of peaceful life in harmony is the antipode to military science as the science of killing that arose more than 200 years ago. Peace science opens before humanity in the 21st century the prospect for complete disarmament and non-violent victory of peace over war on the basis of scientific building global peace by conscious SPHERONS – harmonious classes of the population, for the first time discovered in GPS. This science reveals the laws, values, ways and institutions of conscious building global peace in this century, uniting them in the Peace Road Map.

The first task of peacemaking forces of global harmony and yoga is neutralizing and nonviolent overcoming by peace-building technologies the most dangerous threat to harmony, life and peace of humanity – an aggressive bloc the USA/NATO. This will be done only if the peace-loving nations and people together with peace-loving governments and leaders will combine in a united front and support Global Peace Science and its Road Map of peace-building.

GHA CONGRATULATES PEOPLE OF THE WORLD WITH GLOBAL HARMONY DAY & INTERNATIONAL YOGA DAY AND CALL YOU TO SUPPORT GPS FOR THE SALVATION OF HUMANITY! THE VICTORY OF LIFE OR DEATH ON EARTH, INCLUDING OUR CHILDREN, DEPENDS FROM YOUR SUPPORT!

Global Harmony Day: Brief history of development

Global Harmony Day was established GHA on June 21 of each year in the "*Harmonious Era Calendar*", which was prepared by 27 co-authors from 12 countries on 12 languages in 2005–2006 and approved by the GHA in May 2006 along with 26 other international dates. The GHA Calendar was published in 2006 in St. Petersburg in the 12 languages in one book as an "*Appeal to Children, Youth and Future Generations*" to live in peace from harmony [41].

This day is defined in the Calendar as the central commemorative date, expressing the GHA belief that peace as well as love to children and neighbors begins with social and individual harmony, united by the concept of global harmony. Harmony Day is celebrated in the GHA since 2006. Since 2009, which is defined in the GHA as Harmonious Civilization birth year, the day of June 21 received a qualified title: "Global Harmony Day of Harmonious Civilization". But both names are identical in meaning.

The Harmony Day is accompanied by the GHA annual Messages, which are published on a special page of the site [42]. These Messages are devoted to different aspects of global harmony. The theme of

the anniversary, 10th Message in 2015 is: "**Global Peace Science between Extremes of Humanity Survival**".

The global harmony idea receives universal recognition and development in the United Nations, which established in 2010, on the initiative of Jordan King Abdullah II, the UN "World Interfaith Harmony Week" on February 1–7. The similar is the UN "*World Day for Cultural Diversity for Dialogue and Development*" on May 21 as an opportunity to help communities understand the value of cultural diversity and learn how **to live together in harmony** [43].

It is significant that with Harmony Day coincided the UN International Day of Yoga, which is identical in spirit to Global Harmony Day.

On December 11, 2014, the 193-member U.N. General Assembly approved by consensus a resolution establishing June 21 as 'International Day of Yoga' after the call by **Indian Prime Minister, Narendra Modi during his address to UN General Assembly** on September 27, 2014 wherein he stated:

*"Yoga is an invaluable gift of India's ancient tradition. It embodies unity of mind and body; thought and action; restraint and fulfillment; **harmony between man and nature**; a holistic approach to health and well-being. It is not about exercise but to discover the sense of oneness with yourself, the world and the nature. By changing our lifestyle and creating consciousness, it can help us deal with climate change. Let us work towards adopting an International Yoga Day"*[44].

The UN recognized that Yoga "*provides a holistic approach to health and well-being of mankind.*" It embodies the Ancient wisdom – Indian Vedic Philosophy: **Harmony is Vasudheva Kutumbkam (entire world being is a single harmonious family).**

"Racial Harmony Day" in Singapore since 2003 can be adding to this (https://en.wikipedia.org/wiki/Racial_Harmony_Day).

The growing international recognition and development of the idea of harmony is the approach to its understanding as the ultimate source of global peace and its science.

Dr. Leo Semashko, GHA President, Russia

Dr. Subhash Chandra, GHA Secretary General, India

15. Yoga as Science of Body and Mind and Key to Social Harmony and World Peace. *Ramesh Kumar*

A mind is the set of cognitive faculties that enables thinking, consciousness, perception, discrimination, judgment, memory a characteristic of humans and few other life forms. Our minds are endowed with many talents but principal weakness is instability due to unlimited desires and is cause of our pain and sufferings. Mind gets stable only thru practice of Yog Sadhana. Stable mind leads to clarity which further enhances intelligence [45].

Yog Sadhana is set of certain yogic *kriyas*. Practice of Yog Sadhana enables one to have healthy body and purify the mind. Pure mind leads to pure thoughts and keeps one away from evils and one performs *satvic* (selfless) deeds. Pure thoughts kill the enemy within us i.e. Ego, lust, anger, greed attachment and one becomes calm and humble and respect all as humans irrespective of status, caste, religion and culture.

So if Yog Sadhana is capable of transforming the people why not adopt them. Transforming the self will lead to transforming the community, society, nation and finally world.

We need three things – healthy body, pure mind, and unwavering or firm intelligence. But, how to keep the body healthy, purify the mind and stabilize the intelligence? Here comes in Yog Sadhana, because Yog Sadhana has the most comprehensive approach to life, showing the means to keep the body in good health, purify the mind, stabilize the intelligence and realize the self. **Yog Sadhana is ocean of great psychic powers hidden within us.** Thus practice of Yogic kriyas enables us to tap this hidden energy locked within our body. Various elements of Yog Sadhana are:

1. **Shuddhi Kriyas** i.e. practice of body cleaning kriyas specially nose and stomach.
2. **Pranayama** for conditioning of breathing system
3. **Asanas** (Yoga Postures) to keep body flexible and fit
4. **Meditation** to stabilize the mind and have self-control over the mind

5. **Observance of Yam and Niyam.** Yam Niyam are **ethics code of conduct** to live in society in harmony. Let us have a brief look at above elements.

Shuddhi Kriyas. These are internal body cleaning methods to clean nose, stomach, intestines etc. These methods make your body free from diseases. The toxins we inhale from atmospheric pollution get cleaned and keep us healthy. The unnatural and unwanted mucous deposited in the head and membranes, the main cause of many diseases are cleaned thru these process.

Pranayam (breathe control) lets transport oxygen and nutrients while Cleaning toxins at cellular levels. This improves function of cells. Pranayam prolongs life and strengthens heart, lungs and brain. It lets mind to remain focused, delights the consciousness. It brings sweetness in the speech and purifies blood. The arteries and veins get lined with calcium, toxins and inside walls get rough, getting narrow and this leads to less supply of blood to body organs thus making them sick or underperform or leading to blockage of arteries/veins. But Pranayam and shuddhi kriyas clean the system.

Meditation has been found to be effective in controlling Psycho-somatic healing of diseases like blood pressure, acidity, digestive, respiratory , excretory systems, circulatory systems ,diabetes, migraine etc. Yoga is good for modern times for depression,neurosis ,mental tensions ,insomnia (loss of sleep) and stress management . Stress can cause psychological as well as physiological impact on us. Anxiety, fear, sadness, depression and anger could be some of the psychological impacts of stress [46]. Meditation helps one to have control over mind, thoughts and deeds.

Ethics Code of Humanity (Yam and Niyam). We have diversity in religion, caste language, culture, lifestyle, economics, faith system, inherited sanskars and family backgrounds. Then how to unite all under umbrella of humanity to achieve global peace? Can we develop a common ethics code of conduct which has acceptance to all irrespective of natural vividness as sighted above? Yam and Niyam are almost given in all religions like we have Ten Commandments of Jesus. Following ethics code is suggested:

1. **Respect** law of the land you are in. Be Patriotic and faithful to your nation and always keep national goals above personal goals
2. **Equanimity – Respect** all religions, all casts, humans, elderly and senior citizens rich and poor, women and disabled persons. For purification of the mind, meditation and blessings of God, it is very important to understand the presence of Supreme Being in every creature at every place. The soul exists in every human being. The soul is essence of supreme soul i.e. supreme God. Hence every human being has same essence of soul in supreme God. So every human being is equal. We must respect all whether poor or rich or from any cast or any profession, black or white all are same.
3. **Value Public property** and do not destroy it conserving the environment resources and do not do any action that disturbs natural diversity. Save mother earth from manmade pollution by buying what you need most.
4. **Maintain general cleanliness** around you and your community.
5. Do your **duties** honestly towards your family, employer, community and nation. Limit your desires to bare minimum to stay happy and healthy. Do not be after endless worldly pleasures which are not in your reach. Feel contentment, satisfaction and bliss within yourself.
6. **Respect** emotions, concerns and views of others. Do not give pain to others.
7. **Help** needy ones. Donate little bit from your income towards good cause.
8. **Simple living.** Remember happiness lies in simplicity and showmanship is always painful. Have simple and day weddings, birthday's parties etc.
9. **Find time** to read good knowledge books for self-enlightenment.
10. **Believe** in existence of God as one universal force.
11. **Non Violence (Ahimsa)** means not to hurt or give pain to anybody by speech, deeds and even by mind or thoughts
12. **Non-stealing** that anything that belongs to someone else should not be taken by mind, speech or deeds. One who eyes at other's wealth is also a thief.

13. **Celibacy** implies that except wife; regard every elderly woman as mother; woman of equal age as sister and young one as a daughter
14. **Aparigraha or Non-hoarding** means to refrain from accumulating wealth and things more than the requirement.
15. **Control over senses:** Total control over the body; senses, mind and to withstand dualities like hot and cold, hunger and thirst, profit and loss, success and failure, honor and ignominy etc.

Yog Sadhanas is Science. Yoga is perfect science of physical and mental health. Practice of Yog Sadhanas is therefore applicable to all human beings irrespective of caste, religion, sect and culture. Yoga means discipline of mind and body. Practice of Yoga leads us to equanimity, self-control, peace and calmness.

Humanity and World Peace. Yog Sadhanas can be a common thread for connecting all people under one social platform. Imagine a society in which all people practice Yog Sadhanas. This will reduce conflicts, ego centric problems, will lead to nonviolence, develop tolerance and harmonize the society faster. So teach Yoga in your community thru community halls, Temple Premises, Church, Mosque premises etc.

Therefore, Yoga is an important part of GPS in terms of its theory, and in terms of practical implementation of peace from harmony at individual level and at level of global harmonious peace education.

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16. Education for Peace from Harmony with Gandhi's Perspective. *Chinta Yogi*

If we are to teach real peace in this world, and if we are to carry on a real war against war, we shall have to begin with the children.

Gandhi

What is Education?

- Is education only for success or peacefulness?
- Is education for only knowing the world or for knowing ourselves?
- Is education about competing with others or cooperating with others?
- Should education be only book-based or life-based?
- Is education only training or awakening?

These are a few fundamental questions which we all have to think seriously about; if we do not get the right answer at the right time, then we will spoil our lives and our society too. Needless to say, the world is deteriorating, as we have not yet addressed these issues within education.

Education, a holistic process, should lead us towards wisdom or gyan. Gyan can shape our lives and save our planet too. In the Vedas, vidya is taught in two ways – para vidya and apara vidya. Para Vidya is spiritual and Apara Vidya physical and we should have a balance harmony of both aspects within education.

However, the modern education system has become superficial and materialistic; it focuses more on physical things, and the results appear to be destructive. Today, people are becoming more negative: suicide cases are increasing, violence is on the rise, egoism is damaging relationships, and environmental exploitation is a pressing matter.

What is the root of these problems which we experience in our day to day lives? I think they are the consequences of imbalanced and disharmonized human attitudes. The modern education system has addressed the physical issues, but has not embraced the spiritual aspects of human life.

Education for Peace

- Why are we divided as a society and as individuals?
- Why are we not at peace in spite of our physical comforts?
- Is education only an Art of Living, or is it the Art of Life?
- Should education be mind-centered or heart-centered?
- Is peace to be achieved or practiced?

Modern development is threatening the peaceful coexistence of humanity. Our minds are sharp but not balanced; our quality of living is high but life is still hollow and artificial; our bodies are healthy but our souls are crying; we are advancing intellectually but lagging spiritually. Many worrying questions have arisen from the modern education system.

In ancient times education was balanced and harmonious, as it placed emphasis on four human achievements: Purusartha-dharma, artha, kam, and mokshya, meaning ethics, prosperity, sexual relationship and liberation. The ultimate purpose of education was to produce a rounded, holistic human being. The teachers played the role of sadhus; they were referred to as acharya or guru. They were role models for how students ought to live their lives.

Most achievement is external, but peace is realized from inside; it cannot be bought, but can only be grown from within. Therefore, education should nurture the seeds of peace in children from a young age. How could one exist without peace? So the Vedas say, "Shantireva Shanti" ('May there be peace in peace'), and the Geeta also says, "Ashantasya Kut Sukham?" ('How can a restless person have true comfort or joy in life?').

The Geeta says, "Gyanat shanti anantaram", meaning that one can only have peace through wisdom, or peace as an outcome of wisdom. Therefore, we must ask ourselves what we are providing our students with: knowledge or wisdom? Are we only teaching them how to make a living, or are we giving them the tools with which to face life's various challenges?

Education for Harmony

- Why do we harm others?
- Do we live productively or beautifully?
- Can one exist in isolation?
- Can we have harmony without humanity?
- Is education about information or personal transformation?

It is evident that modern life has become like a blind race; we are all running, but we do not know where the finish line is. We feel no guilt in exploiting others in order to achieve our goals. We have forgotten that the most important goals are reached when we work in a spirit of unity and not individually. After all, we are social beings, and we need to develop an environment of mutual cooperation in order to grow together.

The Vedant philosophy speaks of adwait, meaning 'non dualism'. We all are manifestations of the same supreme consciousness, or Brahman; we all have the same spirit or quantum energy. The Vedas also say "Ekam Sat Vipra Bahudha Vadanti" – there is only one truth or ultimate reality – but that the intellectuals (pundits) address it differently.

The Upanishad says "Saha na-vavatu saha nau bhunaktu saha veeryam karavavahai..." – "let us live together, let us eat together, let us strengthen ourselves together, let us enlighten ourselves together, let us not be jealous of each other". In spite of our awareness of this message of togetherness, we are trying to isolate ourselves from each other. Although we talk about the idea of 'global family', in reality we are teaching our children to be isolated and distinct from others from a very early age. How sad!

Modern education is producing machines, and we are losing sight of human values. The greatest enemy of man is man himself, and the world is becoming a more threatening place in which to live. The ancient Vedic message "Vasudhaiva Kutumbakam" ('global family') is merely a slogan and not a part of our daily lives.

Gandhi's Thoughts on Ethics in Education

Throughout his life, Gandhi practiced what he preached, as he believed that his life was his message. He argued consistency between his words and deeds, considering it as the supreme principle of moral life. He would always find the time to pray, as it was in prayer that he found inspiration, healing, and the strength with which to live through the turbulent times in his life.

Gandhi's prayer "Sab ko Sammati De Bhagavan" teaches that we should nurture wisdom and the right attitude within ourselves. We need both sammati and mati – goodness of heart for truth of mind: mati, our logical faculty, is nothing without sammati, the goodness without which we cannot attain the truth. The Vedas also say, "Pragyanam Bramha... Satyam Gyanam Anantam Bramha... Rite Gyanat Na Mukti...".

Gandhi did not discriminate people on the basis of caste, color or creed. He highlighted the issues of Dalits, or 'untouchables', by giving them a new name – Harijan – meaning that they too are the children of Hari (God). He strove to educate Harijans because it was illiteracy which suppressed them. He made an ethical appeal to the government and all stakeholders to offer education to Harijans in order to bring them into mainstream society.

Gandhi had great respect for the teachings of the Geeta. He followed the teachings through both the highs and lows of his life – he said that the Geeta was his mother (geeta mata). The Geeta is a source of great wisdom of Eastern philosophy. But how can we embrace this wisdom in our modern education system? How can we instill positive ethics within our youngsters? How can we enlighten our so called intellectuals, who have been blinded by their imbalanced modern education? We can achieve this by bringing the message of the Geeta into practice in our daily lives. Therefore, a school's ethos ought to have the teachings of the Geeta at its core.

Gandhi was assured in his proclamation "my message is my life" because there was always consistency between his words and actions in his highly moral life. Neeti Vachan also says – "Gyanam Bhar Kriya Vina" – knowledge is useless if it is not used in our own lives. We should use our knowledge to develop selfless, open-minded people, devoted to "truth, love, peace, selfless service and non-violence."

There are two main ways of changing the society: Political Revolution (PR) and Social Reformation (SR). Gandhi chose the path of SR: PR can sometimes be destructive, but SR is always constructive; PR can be fast but is not always sustainable; PR can be attractive but is not always holistic; PR is mainly based on power, but SR is based on people. PR can change the system, but SR can change the attitude. Therefore, we need an education system which encourages our youngsters to have a holistic view of development.

Satyagraha was the motto of Gandhi's life. Once he was told, "Gandhi-ji, you are great, as you are fighting against the Britons". He replied very peacefully, "I am not fighting against anyone, but I am fighting only for the truth".

Gandhi gave a new model of leadership: servant leadership. A true leader should lead his or herself before leading others. He or she should be a true example for his or her followers and friends, and should have compassion for all humanity.

Once, some people came to meet Gandhi with newspapers. They said to him, "Look Gandhi-ji, how many Hindus have been killed?" The next day, another group of people came and shouted, "Look, how many Muslims have been killed?" Gandhi said to them, "Stop talking nonsense. Do not ask how many Hindus or Muslims have been killed, but rather ask "how many people have been killed?"

Gandhi followed the eastern living style. He had lived a tyagmaya jeevan, meaning a simple life of renunciation. Although he was educated in England and brought up in a high class Brahmin family, and initially had aspirations of fortune, he changed his way of life in favour of simplicity and became known as Mahatma – a 'great soul'. He used to say, "Need can be fulfilled, but greed never". Simplicity is the foundation of spirituality. However, the modern

education system is making people more prone to temptation and selfishness. When Gandhi was told, "Oh Gandhi-ji, you are great, as you are fighting for India's freedom", Gandhi would reply, "Actually, I am fighting for my own freedom." In fact, education's ultimate purpose is freedom, and only freedom (mukti) – "Sa Vidya Ya Vimuktaye".

Just as the light of sun is equal for all, developing every individual should be the main aim of education. All individuals should get the chance to awaken themselves through education. We have a famous saying "Tamaso ma jyotir-gamaya", meaning "May we lead our lives towards true light and away from darkness". Egoism, hatred, jealousy, and negativity are the darkness which spoil our lives. The Charkha (the hand-making of fabric) was one of the strongest tools that Gandhi had to change individual lives, as all could become autonomous through labour. However, today we must question what we want: bigger or better? If a Charkha also can make a positive sustainable change in the society, then why do we call for huge economic industrial revolution?

Conclusion

People who are illiterate struggle in their daily lives and worry for their survival, but people who are educated and successful are also deeply troubled, as their hearts are crying for a peaceful, harmonious life. Our modern society is lacks balance and harmony. The Geeta says, "Samata... Samatwam Yoga Uchyate", and Guru Gorakhnath says, "Sahajai Rahiba". It is only possible to achieve this through the effective application of Values Based Education or Ethics in Education, or by reviving our ancient Gurukul education system.

Progress is needed for contemporary human society, but what use is progress if it is not grounded in peacefulness? Education is unavoidable, what kind of education do we seek to promote? How will we enjoy life if education disconnects us from our roots, families and values?

Gandhi's philosophy regarding social issues, global challenges, life, and education can provide peaceful solutions to many pressing issues which are damaging human society. We undoubtedly need development, but this must be an environmentally-friendly and harmonious development. We need education for all but this should be life-friendly, harmonious and peaceful education. We need science and technology, but with conscience and spirituality to prevent war and to ensure global peace.

Global peace is spirituality and therefore its science – GPS – is also spirituality. Therefore, education in the GPS, its SPHERONS in their laws, values, ways and institutions is also a spiritual education. It is still missing, but without it humanity cannot survive today, so it is extremely necessary for people today.

"To give pleasure to a single heart by a single act is better than a thousand heads bowing in prayer." – Gandhi

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17. Global Peace Science and Education. *Ammar Banni*

After reading the first chapters of Global Peace Science (GPS), I became convinced that the spherical harmonious classes – SPHERONS are working to consolidate global peace through their harmonious education in building a respectable and responsible society. We must emphasize that the field of education in every society is affected, positively or negatively, the rest components of society: economic, cultural and political [47; 48]. The school system is mirror that reflects the contradictions and all conflicts of society. This education does not provide a peaceful and harmonious solution of social contradictions and conflicts because it is

devoid of unified scientific platform for common understanding global peace. The first attempt to create it was made by the Global Harmony Association (GHA), which for 10 years has prepared the GPS unique project [40]. It applies to all spheres and institutions of society but we restrict educational aspect briefly.

To reform the traditional education and to form a new education based on GPS, we call it "GPS education" primarily requires the political will and political recognition of GPS. Unfortunately, the current policy is paralyzed by the militaristic spirit, priority of economic gain, corruption, stagnation and degradation of democratic institutions. This is reflected in the methods of education in educational administration and power violence of the teacher in the classroom, which excludes peacefulness and creativity. Therefore, we can say with a high degree of probability that such political-educational system is closed for the GPS education, which can only rely on the support of a few peace-loving and innovative politicians, governments and educators.

More favorable conditions for the GPS education creates a culture of pluralism and diversity that has become a symbol of modern societies both global and local levels. This culture puts on the place of human relations on the principle (I am, is the other), which reeds suspicion and hostility, another principle of human relations on the principle "I am=you are", implying equality and peacefulness [49]. GPS has grown and developed from the culture of pluralism, equality and peace that overcomes exploitation, injustice, humiliation, contempt, murder, robbery, intimidation, bullying, war and terror. GPS strengthens, enhances and promotes this culture to a new level of harmony in all spheres, including education. In this culture establishing the GPS key institution the International Academy of Global Peace and Education is possible. Just like Academy will ensure the further development of GPS and training new staff for education and other spheres. Without this Academy, GPS and its education is at risk of being lost or forgotten for decades.

The GPS education will stop production of intolerance, hatred and denial of the other. Through it will appear political will to ensure quality reform of education in all its aspects: components and structuring of the curriculum, starting programs, teacher training, the quality of educational administration and educational supervision and their nature, examination system and the calendar. In this way it offers the real prospect of a new, global **scientific** peace education based on GPS, ensuring formation of a harmonious and peaceful consciousness, excluding wars and armed conflicts and creating global peace. The GPS provides harmonious education for universal citizens.

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18. Peace Education: Source of National Unity and Global Harmony

Charles Mercieca

The Webster Dictionary of the English Language describes peace as a "*state of tranquility; freedom from war; cessation of hostilities; and harmony.*" In a peaceful community, we notice a great serenity radiating in the hearts of its members. Genuine peace emanates from the inside. It is implanted in the mind and heart of every human being from the moment of birth. Our job is to pull this element out from the inside as to share it with others.

Educational Process in Perspective. Considering that the world is confronted with a multitude of problems, the development and preservation of peace requires an educational process that is meant to enrich our lives. This would enable us to use our human potential more effectively as to become a part of a harmonious global community. The source of happiness in life is harmony. The car we drive moves smoothly if the four tires have an equal amount of air. If not, we may not have a pleasant trip.

Peace education consists in enabling people to lead a happy life through the development of their human resources for constructive purposes. The traditional saying has been: *“Make someone happy and you will be happy too.”* The development and achievement of peace and harmony creates for us a win-win situation. That means everyone is a winner and no one a loser. A careful study of history demonstrates that in struggles and wars everyone is a loser and no one a winner. These negative elements always lead to lose-lose situation.

On Creating our Own Destiny. If we were to analyze carefully all human conflicts that developed over the past 6,000 years of recorded history, we would soon discover that, quite often, the source of such problems could always be traced to some governmental sources. When the Soviet Union collapsed, many took a sigh of relief. They believed world peace was just around the corner. In fact, many talked of the so called “peace dividend,” little they knew that the weapons industry and the military industrial complex were determined not go out of business. Hence, mafia type of groups spread all over the world to create conflicts without limit, most of which resulted in civil wars. This, they firmly believed, would justify the continued manufacture and sales of endless weapons. Some members of the Central Intelligence Agency (CIA) have attested to this in books they wrote after they decided to leave it.

The US military would intervene in any country where the natives elected democratically a government that was not pleasing to the USA. To quote one instance, when the people of Chile elected Salvatore Allende, who promised the people free health care and free education to all citizens along with adequate residential facilities for the homeless, the USA labeled him as a socialist and vouched that he should go. And we know the rest of the story. The CIA intervened afterwards and had him killed! We have witnessed here that for the USA, peace consists of its imposition on other countries in a way that US big business is enabled to confiscate good resources, even to the detriment of the native population. This explains why the saintly Pope John Paul II said in Mexico during the decade of the eighties: *“World peace is possible and it will eventually come but only after two of the greatest evils of the 20th century are gone – communism and capitalism, because they both achieve their objectives through the exploitation of people.”*

Importance of Global Harmony. All people of all nations are like the various part of our body. When every single part of our body works in cooperation with the other members of the body, everything moves smoothly. We enjoy life and all those around us are bound to benefit. However, when segments of our body become sick, cease to work constructively together, then we experience the creation of surmountable problems. This explains why obstacles created in our global community may go out of control in a way that may lead to surmountable suffering unnecessarily.

Speaking on the art of happiness, some ascetical writers tell us that it does not take us much to achieve joy in our heart. If we treat others well, we will be treated likewise to our eventual joy. This is what global harmony is all about. We need to help others to the best of our ability in order to lead a life of perfect fulfillment. The focus of peace education should always be on making all people, from every walk of life and profession working together harmoniously. But in recent decades the tendency among some of the leading governments has been to prepare for war as a means to achieve peace!

However, we do know that violence breeds violence and more violence breeds more violence. Wars do not have anything constructive to offer. They are always meant to really destroy the infrastructure of cities and kill millions of people mercilessly most of whom are women, children the elderly and the sick. The major focus of peace education should always be love and service to all people without exception. This will bring us to national unity and global harmony.

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The GPS Editor in Chief Comment. Charles Mercieca's article is excellent within the traditional concept of peace education, which is powerless more than a century before the wars to stop and eliminate them. Unfortunately, the author does not understand this fundamental lack of peace education does not understand the need to eradicate it in the way of GPS and based on it education. As we can see, the author ignores them, do not even mention them in the article. It is difficult to explain the reasons for this neglect new opportunities of GPS: maybe it's age, can be he difficult to understand new scientific vision of peace and peace education, maybe it is American supremacy, neglecting all other, or something else. Anyway, this article, as well as thousands of similar, does not open the way for the victory of peace over war. In fact, it resigns with constant wars and the education that supports them and deprives global peace the effective peace education. The author does not understand the main idea of this book: only peace education based on GPS can ensure global harmony and peace from harmony. Other peace education, so far, not was able to do it.

But the author has taken the first and most important step to this: **he understood that the enemy of world peace in our time is the USA with their aggressive militaristic policy and that the source and the cause of global peace can only be social harmony.** But he stopped before that for its constructive understanding needs science – global peace science with its discovery of SPHERONS – harmonious spherical classes of the population as the only actors of global peace to what needs peace education based on GPS and without which they are unable to acquire the appropriate awareness and build global peace.

19. Global Harmonious Education: Main Way to Global Peace. *Leo Semashko*

*“Education is the most powerful weapon
which you can use to change the world.”*

Nelson Mandela [50]

This article is a reduction, development and addition of the article "*Harmonious, Value and Tetrasferal Education: Method of Conscious Evolution of Harmonious Civilization,*" which was published in the *ABC of Harmony* [3, 91–99].

If you created and recognized scientific knowledge about global peace, i.e. Global Peace Science (GPS), which is determining the law, source, reason, guarantors of global peace and its actors – SPHERONS, then the universal way of motion to it is a global harmonious education (GHE) in this knowledge since early childhood and throughout all life. As stated above, this knowledge includes and integrates all the social sciences and humanities but is not limited to science. Therefore GHE includes not only "pure" scientific knowledge about peace but all the other reflecting its ways of expression and existence. It includes this knowledge in all forms of culture and social consciousness, refracted in philosophy, religion, art, morality, politics, law and so on. Similarly, the extremely wide and diverse knowledge of peace together with similar, extremely wide and diverse global education in it is the source of human peacemaking consciousness, which produces and reproduces global peace at all levels, from individual to global. It is a spiritual key of global peace.

Its importance cannot be overstated. When and where a peaceful public consciousness reigns, there and then society is at peace. Where and when a militant social consciousness reigns, there and then society lives in the war. Historical examples of this are more than enough. In our minds is the ominous example of Nazi Germany, militaristic frenzy of social consciousness which led it to fall and brought untold suffering and sacrifices peoples have been subjected to its attack especially Russia/Soviet Union, whose efforts, along with its allies, German Nazism was destroyed. The historical experience of the last 25 years Ukraine has demonstrated how nationalist distortion of history and other scientific knowledge embedded in the mass education of the population, transformed it into an aggressive nationalist majority in the community, using trampling violence for all the dissidents. Similar evidence we are about 60 years in Israel and Palestine, in which has been simmering civil war due to formation of the enemy image in educational system of each country. With such an education this war never will subside. Peace in all these and similar cases can come only under one condition – as a result of formation of the peace-loving public

consciousness in the mass (in the extreme case – global) harmonious peace education on the basis of necessary scientific knowledge – GPS. We fully share Nelson Mandela's brilliant idea: Education is the most powerful weapon to change the world. This means we have to turn it from a militaristic into peaceful.

Many books, articles and more than 10 the GHA projects created over 10 years of its work are devoted to key importance of harmonious peace education for global peace. Therefore, we will not detail this topic in this book but only recall our main publications on the subject. The most detailed harmonious education was studied in the GHA in 2007–2008 in the aspects of its scientific content based on social harmony, its philosophy, history, values, structure, organization, lectures and so on. The results of this study are reflected in the collective of 65 coauthors GHA monograph: "*World Harmony/Peace Academy and General Harmonious Education in an Information Society*" [51]. This book has been translated into 4 languages: English, Spanish, Romanian and Chinese. More than 10 educational projects GHA listed in the list of its 50 projects above. To this topic is also dedicated the fundamental articles in the GHA program books: "*Harmonious Civilization*" article: "*World Harmony/Peace Academy and General Harmonious Education*" [52, p. 128–146]; in the book "*ABC of Harmony*" [3, 91–99]. Particularly important is the GHA project of the 48 co-authors from 22 countries and 14 confessions: "*Center (School) of Interfaith Harmonious Education (CINE)*" dedicated to the use of science of global harmony as the GPS theoretical basis in interfaith harmony to achieve peace between different religions and believers [53].

The practical evidences of the crucial importance of harmonious peace education as a main way to peace, unfortunately, a little bit but they are very convincing. Two of the examples presented above in articles Delyukin about Penang and Bachika about Japan. Of these two it is clear that interfaith harmony requires a harmonious peace education. Perhaps the most striking example is Singapore, where decades of internal religious conflicts were changing with interfaith harmony time after the adoption of the state "*Declaration of Religious Harmony*" in Singapore since 2003 and its introduction into the educational system of the country for its compulsory study in the Racial Harmony Day [54].

The experimental attempts of a harmonious peace education were undertaken the GHA members: Surendra Pathak in the IASE University (India), Maitreyee Roy in the College of Calcutta (India), Mariam Khan in the School for orphans (Pakistan), Svetlana Kuskovskaya in the elementary School (Russian – see below), and others.

The small number of examples of this type of education is due to the actual lack of global peace education because of many factors, chief among them are two: 1. The lack of a common scientific base of education as conventional GPS, which is only just creating and up to the general recognition that is far and 2. Political, ideological and religious differences and confrontations, which are excluding such education. The first circumstance is eliminating with the GPS creation, which began putting this book, and the second – by the political will of the state leaders in their quest for global peace as the first prerequisite of humanity globalization and economic growth. The demand for it is growing and will not take long in the appropriate organizational institutions of international scale. The first of these institutions is the International Academy of Social Sciences for Global Peace and Education. It and some others are discussed in the next chapter. **Dr. Leo Semashko**. Editor in Chief, *Global Peace Science*.

20. "Global Peace Science (GPS) or Peaceloveology" in Elementary School

Svetlana Kuskovskaya, Leo Semashko

Introductory course for 20 hours/lessons to students of 4 Class (22 students) of "New Ladoga Secondary School number 2" in the 2015/16 academic year.

Course objective: Formation of the first scientific ideas, consciousness and thinking about global peace, peace-loving and their fundamental importance for every human being and mankind of the XXI century.

Course maintenance: Selection of the relevant chapters and paragraphs of the "ABC of Harmony" 2012 as well as from the book: "Global Peace Science" 2015 and GHA website: <http://peacefromharmony.org>. Other books of GHA and books of other authors-peacemakers.

The course was worked on base of two textbooks:

1. Leo Semashko and 88 co-authors from 30 countries, "*Global Peace Science or Peaceloveology ...*", St. Petersburg, 2015 [40] and

2. Leo Semashko and GHA 75 co-authors from 26 countries. "*The ABC of Harmony for World Peace, Harmonious Civilization and Tetranet Thinking.*" St. Petersburg, 2012 [3]

Global Peace Science (GPS) or Peaceloveology

Topics and Questions	Key Concepts and their Concretization (GPS)
1. <i>The ABC of Harmony and GPS</i> : why should they? What is peacefulness and why is needed the science of it? What is the GPS subject?	Life on Earth is harmony and peace. Peace = harmony. Peace comes from harmony. Life is impossible without peace. GPS Subject: Model-17a. (5.4)
2. What is the nature of human and society: peace or war?	People can live together only in peace without killing each other and not fighting. (3.7)
3. Brief history of peace and peaceful teachings starting with Numa Pompilius.	Chapter 3.
4. What determines the peaceful nature of society? What are universal, general classes of people? Why they can produce the necessary resources only in peace to each other?	Four harmonious spheral classes of the population – SPHERONS. They are the source, cause and actors of peace from harmony. (1.2)
5. The axiom of social harmony is the GPS beginning. Without which resources people cannot live? Are they in the nature or people should produce them?	PIOT are the necessary and sufficient resources of society, determining necessary and sufficient 4 SPHERONS, employed in 4 spheres of production of resources. (1.3)
6. Four spheres of social production as 4 spheres of SPHERONS' employment, on which they are differing. Name 4 spheres and 4 SPHERONS? – Question to learners.	The scientific division of the population into 4 SPHERONS is: SOCIOCLASS, INFOCLASS, ORGCLASS, TECHNOECOCLASS. (1.4, 1.7)
7. SOCIOCLASS is priority class, creating a priority social resource – human. What is SOCIOCLASS school? – Question to learners.	Who is included in SOCIOCLASS? – Employed in Sociosphere the doctors, teachers, priests, social workers as well as all non-working population, including children, disabled, pensioners ... (1.8)
8. INFOCLASS creating information as resource of society. What is INFOCLASS of school? – Question to learners.	Who is included in INFOCLASS? Employed in the Infosphere: scientists, designers, journalists, artists, art and religion. (1.8)
9. ORGCLASS creating organizational resource of society in the form of laws, norms, decrees, decisions, etc. What is ORGCLASS school? – Question to learners.	Who is included in ORGCLASS? Employed in Orgsphere leaders, presidents, ministers, deputies, judges, lawyers, military, policemen, managers etc. (1.8)
10. TECHNOECOCLASS creating material (technical, economic and environmental) resources and services. What is TECHNOCLASS school? – Question to learners.	Who is included in TECHNOECOCLASS? Employed in this sector workers, peasants, and all employees who deal with all the things and their services. (1.8)
11. Why did humanity, society, country, city, school cannot exist without at least one of these classes?	The school cannot exist without at least one of these classes. Why is that? (1.3)
12. Can these classes fighting each other to destroy each other?	SPHERONS of schools cannot fight each other, to destroy each other. Why is that? (1.10)
13. Why are the cases of military conflicts and wars between nations and certain groups of the population?	Because they are unable through their ignorance in social harmony to find a harmonious, acceptable to all parties, solution of the conflict. (1.13)
14. What is the Social Genome – SOCIONOME as the quintessence of system knowledge about social harmony and its actors – 4 harmonious SPHERONS?	16 fundamental elements of social harmony. Make the SOCIONOME most scheme by students as a visual aid for class. (1.5)

15. What is the Psychological Human Genome – PSYNOME as the quintessence of system knowledge of holistic harmonious structure of 4 spheres each person?	4 fundamental elements/spheres of individual harmony: character, consciousness, will and body. Make the most PSYNOME scheme by students as a visual aid for class. (7.5)
16. Why the main road to peace is a harmonious education in the ABC of Harmony and GPS?	Self-education students in the ABC of Harmony and GPS via the GHA website "Peace from Harmony". (7.16)
17. Creation of educational game for students "ABC of Harmony" as in paper cubes and as electronic game.	Making students game "ABC of Harmony" in the form of paper cubes.
18. A brief history of "Global Harmony Association" (GHA) – the world's first international organization which created the world's first "ABC of Harmony" and GPS based on it.	Learning pages "GHA History" on the GHA website: http://peacefromharmony.org
19. A brief introduction of students with the GHA 8 books and 50 projects of global peace from harmony.	Suggest to all students of class to prepare reports on separate books and projects GHA. (7.1)
20. Educational Conference of students on topic "Peaceloveology".	The holding of this conference, perhaps inviting 1–2 other school classes.

The teacher comments about the importance of this course, about its students' perception and its future development and dissemination will be on its results.

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Dr. Leo Semashko, Editor in Chief, *Global Peace Science*.

21. Four-dimensional KPCL Vision for Harmonic Society and Peace

Subhash Sharma

The ABC of Harmony published by Global Harmony Association (GHA) with 75 coauthors from 26 countries [3] is in all practice **the first holistic-scientific approach to peace and harmony**. This book identifies four spheres of human society in the form of four SIOT spheres: Social, Information, Organization and Technical (economic/ecological). In consonance with these four spheres, there are four classes: Socioclass (people employed in the Sociosphere), Infoclass (people employed in the Infosphere), Orgclass (people employed in the Orgsphere) and Techno class (people employed in the Technoecosphere: economical/ecological sphere). GHA has also undertaken some empirical research in identification of these classes across nations.

In the following discussion we provide another approach to four spheres and four classes in the form of KPCL model leading to KPCL Vision of harmony. Developed by Prof. Subhash Sharma [55] with roots in ancient ideas both Indian and Greek, **KPCL model identifies four factors of creation viz. Knowledge (K), Power (P), Capital (C) and Labor (L)**. When there is balance between these four factors at the national and global levels, humanity moves towards harmony and peace. Using the Tetrasociology concept [15] developed by Dr. Leo Semashko, KPCL model can also be considered as a tetra model of **four social classes: 'knowledge class', 'power class', 'capital class' and 'labor class'** and is presented in the form of non-hierarchical model of a tetra-cycle. This model can be considered as an integration and extension of ancient Indian, Greek and scientific tetra sociology of Dr. Leo Semashko.

Using the Indian metaphor of 'Chakra' (energy circle), this model can also be considered as KPCL Chakra representing the **horizontal dialectics of Labor and Capital** (represented by

Leftist and Rightist ideologies) and **vertical dialectics represented by Knowledge and Power dialectics**. Knowledge and Power dialectics is being manifested in the cyber era through a conflict between ‘freedom of information’ and power structures represented by hierarchy. As horizontal and vertical dialectics intersect and interact, dialectical chakra acquires its own intensity depending upon the ‘dialectical intensities’ of the horizontal and vertical dialectics. If its intensity goes out of control it turns into ‘chaos spiral’ leading to disorder and disharmony in society. Hence, **the need for creating proper conditions for a balance between four factors of creation and the four classes within society**. This is the scientific explanation for the disharmony we observe in modern societies wherein ‘tetra cycles’ become ‘chaos spirals’. It may be indicated that **each nation has its own KPCL Chakra**. Thus there 192 Chakras (UN has 192 Member States) operating simultaneously and influencing the Global KPCL Chakra [56].

An imbalance at local level KPCL chakra (tetra cycle) can influence the global KPCL chakra (tetra cycle) and vice versa. This is becoming evident through many conflicts at the national and global levels. **To establish harmony and peace at the local and global levels, enlightened leadership is needed both at the local /national as well as at the global level. The traditional model of harmony within hierarchy cannot be applied to the new challenges that world is facing and we need a new model of ‘harmony without hierarchy’**. This implies we should move away from the pyramid metaphor that has dominated the thinking of the human beings to circle/chakra/tetra cycle metaphor as **circle is a symbol of harmony without hierarchy** [57]. This also has implications for design of ‘harmonic institutions’ of society based on circle/chakra/tetra cycle model. This is a new challenge for the meta thinkers, researchers and practitioners who have been used to the mindset of seeking harmony within pyramid/hierarchical structures. Thus, KPCL model of four spheres viz. K sphere, P sphere, C sphere and L sphere and corresponding four classes viz. K class, P class, C class and L class, provides us a new analytical framework and **a new vision of social harmony through ‘dialectical balancing’** of these spheres at the local and global levels. Such ‘dialectical balancing’ on the part of national and world leaders will facilitate creation of harmonic society.

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The GPS Editor in Chief Note. This great article, very useful for development of the four-dimensional tetra sociological approach, contains several limitations. The first is absence in KPCL model the main sphere – social, producing the main resource society – human, people who create all the resources of society: people, information, organization and things (PIOT resources – see chapter 1). The author does not take into consideration their scientific definitions as suggested by GPS, so he admits some mixing and lack of clarity among concepts of resources, spheres and classes. Nevertheless, his ideas of horizontal and vertical dialectics among them are productive and constructive. on the other hand, it is difficult to accept the thesis of incompatibility of hierarchy and harmony or **‘harmony without hierarchy’**. Hierarchy is a necessary attribute of harmony in nature, society and human. History provides many examples of their compatibility, but absolutization of hierarchy, as well as any factor, excludes harmony and creates disharmony. If society establishes equality of hierarchies for different spheres and different classes, as it implies GPS for SIOT spheres and classes (chapter 1), their hierarchy produce harmony and peace and except their discord, antagonism and war. The author central idea is: global peace is provided and comes from social harmony within spheres and classes and between them. This is the key way to global peace. It is fully shared and developed in Global Peace Science (GPS). The article provides the fertile ground for further theoretical discussion in GPS.

22. Pope Francis and the Just Third Way: Global Peace from Harmony

Michael D. Greaney, Norman Kurland

(The full text of the article is published here: [58]. All references are in the original.)

Pope Francis faces many challenges in his efforts to modernize the application of Catholic social doctrine to today’s problems, particularly **the growing global wealth, income, and power gap**. His

greatest challenge, however, may be overcoming a prevailing ignorance or misunderstanding of the basic moral principles that make lasting, systemic solutions possible.

As taught in academia, then embodied in law and promulgated by the media, there is an unquestioned assumption that capitalism and socialism (or some amalgam of the two) are the only possible arrangements of the social and economic order. Neither system, however, empowers and liberates every person within it. **Both systems are structured to concentrate opportunity, ownership, and power in a few hands – whether in private hands (as in capitalism), or in the State (as in socialism).** Such concentration inevitably breeds poverty, corruption, and conflict.

What few academics, politicians, or media gurus have considered seriously is whether there can be a moral and truly democratic alternative – a “Just Third Way” – that transcends both capitalism and socialism. If such an alternative is conceivable, what are its principles for restructuring the economic system? **How could the system itself help close the wealth and income gap – without depriving anyone of their wealth and property rights?** What are its means for empowering economically each person through equal opportunity, and access to the means of acquiring and possessing income-producing wealth?

A Question of Power and Justice. Power is essential because people need power to be able to exercise their natural rights, especially life, liberty, and property. By exercising their natural rights within a justly structured social order, people build habits of doing good. They “acquire and develop virtue.” Pope Francis recognizes, however, that the system itself keeps most people, and families, powerless and dependent. It prevents them from exercising their natural rights, and acquiring and developing virtue. **How, then, can we reform the system to support justice and freedom for all?**

The Two-Part Papal Teaching. While capitalism and socialism are both morally inconsistent with Catholic teaching, socialism is the greater danger. Capitalism nominally accepts natural rights such as life, liberty, and property – cornerstones of Catholic social teaching. These, however, are distorted in application, especially by preventing or inhibiting participation by everyone. Socialism abolishes the concept of natural rights by making their exercise – particularly the exercise of property rights (control over what is owned, and the right to its income) – contingent upon something other than human nature. **Socialism places the right to control the means of production in the State, and in its bureaucracy.** What makes socialism especially dangerous is that it seems so close to what the Church teaches that many people do not see the difference. Socialism’s promise to take care of everyone seems to reflect the first part of the papal teaching. By imposing a false equality of results, however, socialism concentrates power in those who control the State – which guarantees many being without property, being without power, and being dependent on the State.

Capitalism’s self-delusion – that it provides everyone with the same chance to become rich – seems to fulfill the second part of the papal teaching. However, as promoted by adherents, like Ayn Rand and Milton Friedman, **capitalism glorifies greed.** It turns a blind eye to this reality, and fails to lift unjust institutional barriers that prevent most people from even making a decent living. Capitalism imposes “a yoke little better than that of slavery itself”⁵ through ever-increasing dependency on the State for jobs or welfare. As Hilaire Belloc predicted in *The Servile State*, this differs from socialism only in the details. Clearly, **a new economic framework offering structural solutions is needed in order to transcend the errors of both capitalism and socialism.**

The “Just Third Way” of the interfaith Center for Economic and Social Justice (CESJ) addresses the second part of the papal teaching: removing systemic barriers that inhibit or prevent each person’s full participation in the common good. **This social justice-based, free-market economic system would empower people to meet their own needs through their own labor and capital.** The Just Third Way synthesizes three essential elements. **The first is** the social doctrine of Pius XI as analyzed by CESJ co-founder and social philosopher, Father William J. Ferree, S.M., Ph.D. **The second is** the binary economics of lawyer, and expanded ownership economist, Louis O. Kelso. **The third is** the three principles of economic justice first systematized by Kelso with his co-author, the Aristotelian-Thomist philosopher, Mortimer J. Adler.

The Social Doctrine of Pius XI. At the heart of the Just Third Way is Pius XI’s revolutionary understanding of social justice, and its particular act. According to Ferree, Pius XI’s breakthrough in moral philosophy was to identify social justice as a particular virtue distinct from the general virtue of legal justice. This is a critical distinction. Where a general virtue is necessarily indefinite, and has no specific act, a particular virtue is, in a sense, defined by its act. A general virtue cannot, therefore, be

defined with any precision, while a particular virtue must be defined with scientific accuracy. As Ferree explained: “Social Justice is not at all the vague and fuzzy “blanket word” that gets into so many popular speeches. It is an absolutely clear and precise scientific concept, a special virtue with definite and rigid obligations of its own”.

Thus, where legal justice as a general virtue involves acts of individual virtue that have an indirect effect on the common good, social justice is a particular virtue to reform “social tools” (institutions) to enable people to have a direct effect on the common good. Institutional injustices that seemed hopeless can be resolved when people organize in groups to reform and restructure their institutions. As Ferree concluded: “The completed doctrine of Social Justice places in our hands instruments of such power as to be inconceivable to former generations.”

Binary Economics. Kelso’s binary economics, the systems theory underlying the Just Third Way, is found primarily in the two books he co-authored with Adler: *The Capitalist Manifesto*, and *The New Capitalists*. The titles are misleading, as the system Kelso described can only be called “capitalism” if by “capitalism” is meant “the use of capital.” “Binary” means “consisting of two parts.” Kelso divided the factors of production into two, all-inclusive, categories – the human (“labor”), and the non-human (“capital”). The central tenet of binary economics is that there are two components to both productive output and to income: (1) that generated by human labor, and (2) that generated by capital.

The Act of Social Justice. Socialists attempt to resolve this conflict (between society and the individual) by asserting the primacy of social virtue over individual virtue, and capitalists by claiming that of individual virtue over social virtue. According to Ferree, however, only the act of social justice can resolve the conflict, making it possible to be both a good person, and a good citizen, by bringing the structuring of institutions and laws in line with moral principles.

“Charity is the soul of justice,” as John Paul I reminded us. When, however, the essential differences between justice and charity are lost – along with the distinctions between general and particular, individual and social, even natural and supernatural virtues – we can fall unconsciously into the moral trap where the end justifies the means. Eventually the whole of moral philosophy degenerates into moral relativism. CESJ has always defended the just wage contract (along with the just price and just profit determined in a free and non-monopolistic market) as an essential element of an economically just system. Along with Kelso and Adler, however, CESJ points out the inadequacies and consequent injustices of the wage system.

Under both capitalism and socialism, the wage system creates a widening gap between workers and owners. Few own the productive wealth that displaces millions of jobs worldwide. Most people are dependent on these owners, or the government, for their job or welfare incomes. Widespread capital ownership, on the other hand, is the keystone of the social doctrine ... The necessity of universal citizen access to equal opportunity, and the means to acquire and own capital, becomes increasingly evident in today’s global, high-tech world. Human labor is rapidly being displaced by automation, robotics, and artificial intelligence. The act of raising wages does not address this reality, as it only increases costs and prices, and adds to the cost of living for everyone, especially the poor. This theme was developed, with ever increasing clarity and force, by successive Pontiffs up to the most recent statements of John Paul II, but it was Pius XI who did most to give it a permanent place in Western thought as an integral part of a **whole new “Social Morality” which he proposed to the world, to parallel the individual morality** which Western civilization had already developed.

The Slavery of Past Savings. All this philosophizing, however, would remain an academic exercise if it were not bound to another flawed assumption embedded in the monetary, tax, and economic policies of every government on earth. This is “the slavery of {past} savings.” This is the assumption that neutralized Fulton Sheen’s advocacy of widespread capital ownership ... Many people, and most economists, assume that the only way to finance new capital formation is to produce more than one consumes, and accumulate the excess in the form of money savings. As technology advances and displaces human labor, however, a problem arises. **Most workers are unable to save enough out of their wages to purchase the new capital that replaces them.** The problem gets worse as more efficient, and relatively less expensive, technology forces down a market-based value of some sources of labor.

Consequently, natural rights must be redefined to meet modern conditions. Despite clear warnings, well-meaning people, confusing justice and charity, conclude that no one truly owns when others are in need. Distribution on the basis of need (not relative contribution) becomes both a fundamental principle, and a “practical” solution, rather than a temporary expedient until the system can be reformed.

Employers must, therefore, pay a “living wage,” the State must redistribute existing wealth, and “the logic of gift” must replace free and willing exchange as the operating principle directing economic activity.

The Power of Future Savings. The goal of widespread capital ownership, however, begs the question of how people without past savings, or the capacity to reduce consumption in order to save, are to finance it. The answer is found in the science of finance. As Harold G. Moulton explained in his book, *The Formation of Capital*, and Louis Kelso reiterated in his book with Mortimer Adler, *The New Capitalists: “A Proposal to Free Economic Growth from the Slavery of Savings*, no rational person invests in new capital unless it is reasonably expected to pay for itself out of its own profits in the future. This is called “financial feasibility.” Instead of using past reductions in consumption, it is possible, even preferable, to finance using commercial bank loans, backed by future profits tied to future increases in production. This is available today for 100 percent worker-owned companies under current U.S. law for Employee Stock Ownership Plans (ESOPs).

Social justice would promote laws to extend access to bank-financed capital credit to all citizens as a fundamental human right, like the right to vote. Therefore, everyone would be able to purchase capital by promising to pay for the capital once it becomes profitable, assuming that the promise is good, and the capital does, in fact, make a profit. To secure the lender against the risk of loss if the capital is not profitable, the borrower should also have collateral: other wealth to make good on the promise. Commercial and central banks were invented to turn creditworthy promises into money so that lack of liquid savings would not be a bar to production. Similarly, insurance was invented to spread the risk of loss from one to many.

Today in the United States, millions of workers have become part owners of the thousands of companies that employ them, without risking their personal savings or, in most cases, without taking any reductions in pay or benefits. CESJ has proposed a “Capital Homestead Act” that would enable every person (even those who cannot work) to realize Kelso’s ultimate vision of equal access to capital ownership and private property as a fundamental human right... to live with dignity, and to work with others to build a society of truth, beauty, love, and justice for all.

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The GPS Editor in Chief Comment. When the authors talk about justice as the economic balance, proportionality and mutual dependence – this means that they are discussing the issue of social harmony, from which follows peace. The authors did not discuss directly these questions – in the article never mentioned the concepts of “harmony and peace” as though without them is possible “Just Third Way.” However, these concepts are implicitly present in the article, **since justice cannot exclude harmony and peace**, it does not exist without them, **and vice versa**: harmony and peace cannot exist without justice. The article is limited one, economic sphere and its one tool – the spread of ownership. Of course, this is an important and necessary tool for social harmony and world peace from it. But it is clearly limited and without other spheres and instruments and, most importantly, without determining their main actors – SPHERONS in the GPS single scientific system, it is not feasible. Its implementation is possible only within the framework of a harmonious civilization and global peace as a true full-fledged “Just Third Way.” Instrument of equal access to the property, with all its importance and necessity – is only one of the private moments of the universal principle of economic harmonization, “minimax and maximin”, discussed in Chapter 5.

23. Time to End the Adult War on Children. *Robert J. Burrowes*

Perpetrators of violence learn their craft in childhood. If you inflict violence on a child, it learns to inflict violence on others. The terrorist suffered violence as a child. The political leader who wages war suffered violence as a child. The man who inflicts violence on women suffered violence as a child. The corporate executive who exploits working class people or those who live in Africa, Asia or Central/South America suffered violence as a child. The individual who perpetrates violence in the home, in the schoolyard or on the street suffered violence as a child.

If we want to end violence, war and exploitation then we must finally end our longest and greatest war: the adult war on children. And here's an incentive: if we don't tackle the fundamental cause of violence, then our combined and unrelenting efforts to tackle all of its other symptoms must ultimately fail. And extinction at our own hand is inevitable. How can I claim that violence against children is the fundamental cause of all other violence? Consider this. There is universal acceptance that behaviour is shaped by childhood experience. If it was not, we would not put such effort into education and other efforts to socialize children to fit into society. And this is why many psychologists have argued that exposure to war toys and violent video games shapes attitudes and behaviours in relation to violence.

But it is far more complex than this and, strange though it may seem, it is not just the 'visible' violence (such as hitting, screaming at and sexually abusing) that we normally label 'violence' that causes the main damage, although this is extremely damaging. The largest component of damage arises from the 'invisible' and 'utterly invisible' violence that we adults unconsciously inflict on children during the ordinary course of the day. Tragically, the bulk of this violence occurs in the family home and at school. See 'Why Violence?'

So what is 'invisible' violence? It is the 'little things' we do every day, partly because we are just 'too busy'. For example, when we do not allow time to listen to, and value, a child's thoughts and feelings, the child learns to not listen to itself thus destroying its internal communication system. When we do not let a child say what it wants (or ignore it when it does), the child develops communication and behavioral dysfunctions as it keeps trying to meet its own needs (which, as a basic survival strategy, it is genetically programmed to do).

When we blame, condemn, insult, mock, embarrass, shame, humiliate, taunt, goad, guilt-trip, deceive, lie to, bribe, blackmail, moralize with and/or judge a child, we both undermine its sense of Self-worth and teach it to blame, condemn, insult, mock, embarrass, shame, humiliate, taunt, goad, guilt-trip, deceive, lie, bribe, blackmail, moralize and/or judge.

The fundamental outcome of being bombarded throughout its childhood by this 'invisible' violence is that the child is utterly overwhelmed by feelings of fear, pain, anger and sadness (among many others). However, parents and other adults also actively interfere with the expression of these feelings and the behavioral responses that are naturally generated by them and it is this 'utterly invisible' violence that explains why the dysfunctional behavioral outcomes actually occur.

For example, by ignoring a child when it expresses its feelings, by comforting, reassuring or distracting a child when it expresses its feelings, by laughing at or ridiculing its feelings, by terrorizing a child into not expressing its feelings (e.g. by screaming at it when it cries or gets angry), and/or by violently controlling a behavior that is generated by its feelings (e.g. by hitting it, restraining it or locking it into a room), the child has no choice but to unconsciously suppress its awareness of these feelings. However, once a child has been terrorized into suppressing its awareness of its feelings (rather than being allowed to have its feelings and to act on them) the child has also unconsciously suppressed its awareness of the reality that caused these feelings. This has many outcomes that are disastrous for the individual, for society and for nature because the individual will now easily suppress its awareness of the feelings that would tell it how to act most functionally in any given circumstance and it will progressively acquire a phenomenal variety of dysfunctional behaviors, including some that are violent towards itself, others and/or the Earth.

From the above, it should also now be apparent that punishment should never be used. 'Punishment', of course, is one of the words we use to obscure our awareness of the fact that we are using violence. Violence, even when we label it 'punishment', scares children and adults alike and cannot elicit a functional behavioural response. If someone behaves dysfunctionally, they need to be listened to, deeply, so that they can start to become consciously aware of the feelings (which will always include fear and, often, terror) that drove the dysfunctional behaviour in the first place. They

then need to feel and express these feelings (including any anger) in a safe way. Only then will behavioural change in the direction of functionality be possible.

'But these adult behaviors you have described don't seem that bad. Can the outcome be as disastrous as you claim?' you might ask. The problem is that there are hundreds of these 'ordinary', everyday behaviors that destroy the Selfhood of the child. It is 'death by a thousand cuts' and most children simply do not survive as Self-aware individuals. And why do we do this? We do it so that each child will fit into our model of 'the perfect citizen': that is, obedient and hardworking student, reliable and pliant employee/soldier, and submissive law-abiding citizen.

Moreover, once we destroy the Selfhood of a child, it has many flow-on effects. For example, once you terrorise a child into accepting certain information about itself, other people or the state of the world, the child becomes unconsciously fearful of dealing with new information, especially if this information is contradictory to what it has been terrorised into believing. As a result, the child will unconsciously dismiss new information out of hand. In short, the child has been terrorised in such a way that it is no longer capable of learning (or its learning capacity is seriously diminished by excluding any information that is not a simple extension of what it already 'knows'). If you imagine any of the bigots you know, you are imagining someone who is utterly terrified. But it's not just the bigots; virtually all people are affected in this manner making them incapable of responding adequately to new information. This is one explanation why some people are 'climate deniers'.

So if we want to end human violence, we must tackle all of its symptoms simultaneously but, as part of our strategy, we must also tackle the cause. Primarily, this means giving everyone, child and adult alike, all of the space they need to feel, deeply, what they want to do, and to then let them do it (or to have the feelings they naturally have if they are prevented from doing so). In the short term, this will have some dysfunctional outcomes. But it will lead to an infinitely better overall outcome than the system of emotional suppression, control and punishment which has generated the incredibly violent world in which we now find ourselves.

This all sounds pretty unpalatable doesn't it? So each of us has a choice. We can suppress our awareness of what is unpalatable, as we have been terrorised into doing as a child, or we can feel the various feelings that we have in response to this information and then ponder ways forward. If feelings are felt and expressed then our responses can be shaped by the conscious and integrated functioning of thoughts and feelings, as evolution intended, and we can plan intelligently. The alternative is to have our unconscious fear controlling our thinking and deluding us that we are acting rationally.

It is time to end the adult war on children so that all of the other violence that emerges from this cause can end too. 'This isn't going to happen', you might say. And you are probably right. Nevertheless, some of us are committed to working on this most critical of issues. You are welcome to join us. If you like, you can sign online 'The People's Charter to Create a Nonviolent World' <http://thepeoplesnonviolencecharter.wordpress.com> [59].

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The GPS Editor in Chief Comment. This excellent in content and style article is devoted to the key problem of psychological violence. But this problem is not only psychological. It has also social nature, which is revealed in the GPS book and which is concentrated in the social disharmony of different groups, including adults and children. Social disharmony can be solved adequately only socially but not psychologically. This requires knowledge of social harmony and its permanent sources – harmonious spherical classes of the population – SPHERONS (see chap. 1). Social harmony is universal. It does not exclude but requires interaction and the use of other approaches: economic, educational, political, legal and, of course, the psychological. Psychological violence of children, for example, cannot be overcome

without the recognition of the social priority of children and without legal system of children's suffrage (see. 8.2.). Without these moments it is impossible to overcome the amputation of children in industrial militarist democracy. Children are the main human capital, whose dignity, liberation from violence and place in democracy can provide only the institutions of their priority and children's suffrage based on a deep understanding of their unity as a result of cooperation between different social sciences in GPS. The author's psychological article is a good start for such a cooperation of various social sciences that is only possible on the basis of scientific comprehensive understanding of social harmony in GPS. Violence and all its wars can only be overcome by joint efforts of all sciences and all of harmonious classes of the population – SPHERONS. Another way to overcome it does not exist. This is the only way to global peace in which harmony of adults and children is one of the most important elements in the whole system, which (element) is not separate from all other ones in social genome (SOCIONOME) of society. Social harmony of adults and children excluding any violence/war between them is a necessary road to global peace.

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Chapter 8

Key Institutions and Mass Movements of Global Peace. Global Tektology. The Theory of Security Two Fronts

*Perpetual peace as a goal charges to person in debt not only nature
but his own mind ... and moral purpose.*

*Natural harmony among men is the guarantee of
perpetual peace, which is not just a chimerical one.*

Immanuel Kant [1]

1. Philosophy of Peace and Security of SPHERONS.

Institutions for Global Peace. *Leo Semashko*

The concepts of peace and security, their tie, difference and embodiment in institutions, are the most important for understanding the defense and protection from any form of **social violence**: war, deliberate aggression, premeditated killing, destruction, capture, attack, dominance and submission by one private group of people the other, i.e. violence of one or more PARTONS over another or others. **War is the most active and dangerous form of violence of PARTONS concentrating in itself all its forms.** Recall that in GPS, in theory of PARTONS (1.12., 1.13.) they are defined as any private or partial group of people differing on various grounds: classes, nations, races, ethnic groups, citizens of different areas, sex, age, professional, religious, and etc. groups and associations of people. For various reasons and under different circumstances: social, ideological, political, economic, territorial and their endless modifications, some PARTONS can threaten to the others with any violence. Violence and its threat from some PARTONS demand from the other PARTONS the protection against any violence by the means and institutions providing security. The need in the security arises in conditions of any violence and its threats or risks. Therefore, security is the protection and prevention of violence by adequate (sufficient) means, institutions and their actions, in which it is embodied.

Security in this sense is similar to peace, ensuring the prevention of violence in any form, especially in its most dangerous form of the war, the lack of which is peace in the traditional opinion. But peace as security is also provided force, opposing violence. Therefore, **peace as security is violent peace, which in the perspective war is militaristic peace.** Militaristic peace is supported by militarist means and institutions – armies, armed forces, systems of military defense and civil protection. In many military confrontations of PARTONS their peace is the result of many militaristic checks and balances, which determine militaristic peace. It is clear that this peace on the mountains of weapons and powder keg is very fragile, precarious and ephemeral peace, capable burst at any unpredictable time. Militaristic peace is subject to the requirements of constantly hanging military threat, so the priority of the entire social life and organization of PARTONS becomes a war. Militaristic peace turns the society life into a continuous preparation for future wars and break between wars, i.e. the whole society becomes militaristic subordinated to goals of the war and security that discussed in previous chapters.

Militaristic society in militaristic peace and security is a constant militarization of all its spheres: social, informational (spiritual, cultural), political and economic. The militarization of all spheres requires and diverts huge resources away from the needs of population welfare and sustainable development of each sphere including the necessary economic growth. In a militaristic society **war becomes necessary and natural consequence.** It carries enormous human victims, misery and suffering, not to mention the huge losses in each sphere. Militaristic

society engenders at some of the most violent PARTONS, providing themselves with the most destructive weapons, desire to subjugate all other PARTONS to dominate the world as a total violence and dictatorship, which was manifested in every era of human history, including modern times. Finally, militaristic society leads itself, ultimately, to the self-denial, **the threat of a complete self-destruction of humanity as a suicide in a nuclear war of PARTONS.** Today, the threat of suicide of humanity became evident reality.

This threat requires, in order to preserve the human race on Earth and its survival, a radical rejection from the militaristic life. But this requires a rethinking of the PARTONS' theories and philosophies, which approve their constant violence of each other and their constant antagonism generated their wars and need for a permanent military security of each other. **This never-ending cycle of violence is broken with discovery of SPHERONS (Chapter 1) as universal PARTONS, which is included in them on the key base of life employment (1.6.). In the vital employment the SPHERONS are equal; theretofore they live and can only live in harmony, peace and cooperation, excluding any war and any security from each other. Social harmony SPHERONS and their global peace from this harmony are the best and absolute security, in which none one PARTON is not threatened and forced to threaten any violence to any other PARTON or to all of them.**

Militaristic peace secures individual PARTONS but does not provide the global security of humanity as a whole; on the contrary, it threatens humanity and **thereby threaten the security and life of every PARTON eventually.** Herein lies the deep contradiction of traditional security of PARTONS and their militaristic, limited and partial peace. This contradiction is resolved in harmony of SPHERONS ensuring global peace and global security to all PARTONS and humanity in general. Dialectics of PARTONS and SPHERONS is that **the struggle and all wars of PARTONS is a private, negative and degenerating case of SPHERONS social harmony.** Similarly, the ratio of the corresponding theories: Marxist and all such theories of class struggle and antagonism between different PARTONS is a special case of the scientific theory of harmony SPHERONS in GPS.

When we not knew about SPHERONS then we cannot speak scientifically about global peace and its objective sources, causes and actors. Now, when we discovered and purposefully investigate them (Chapter 1), we can define them as an objective source, cause, actor and guarantor of global peace and **raise the question about the institutions necessary for them to provide this peace.** We can say otherwise: when we did not have the SPHERONS knowledge was not the institutions of global peace and global peace, but only war of different PARTONS. Now, when SPHERONS appeared for us, then there was a consciousness that to them as actors of global peace **requires the new, special tools and institutions as means to achieve global harmony, from which peace is growing.** All institutions of global peace, to which is dedicated the eighth chapter, are necessary instruments of social harmony of SPHERONS. Therefore, all these institutions are new, unusual for traditional militarist peace and unused for the traditional militaristic PARTONS. This creates the huge difficulties of understanding and acceptance of these institutions in the traditional militaristic thinking of PARTONS. **These institutions require a revolutionary transition to a new, harmonious thinking of SPHERONS** in which they are disclosed below. Such is the philosophy of GPS as philosophy of global peace and security SPHERONS.

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2. Architecture of SPHERONS' Global Peace. *Leo Semashko*

In the preceding chapters were discussed the following fundamental blocks of global peace architecture:

1. **The global social structure of four SPHERONS** covering the entire population of the planet in their statistical terms at all levels from the global to family for decades, for example, since 1950, as it is foreseen in SSSI (see chap. 1 and 2). (It is made still very limited in chap. 2). This "**social statistical structure of SPHERONS**" (SSSS, or SSS of SPHERONS or structure of SPHERONS) is objective permanent and unchanging by composition the foundation of architecture of global peace, concluding SPHERONS as its cause, source, actors and guarantor. **Therefore, global peace is identical to SPHERONS and vice versa.** These concepts in their meaning, scope and content are identical: "SPHERONS" = "global peace", therefore **architecture of global peace is architecture of SPHERONS.** All other blocks of this architecture constitute its "superstructure" and completely determined by its "base" – SPHERONS. (As you can see, use of the terms "base and superstructure" in GPS is different from their Marxist understanding).

2. **Laws of SPHERONS** defining their key mutual dependencies and relationships that generate and reproduce global peace (Chapter 5).

3. **The principles/values of SPHERONS** defining an integrated system of positive guides (Chapter 6).

4. **Ways of SPHERONS**, which lead them and their PARTONS to global peace through various forms of social consciousness and culture (Chapter 7).

These architectural blocks for global peace have been considered in the preceding chapters. The subsequent chapters will unfold the following its blocks:

5. **Institutes and mass movements of SPHERONS and PARTONS** as regulators, organizers and driving forces of global peace, forming a qualitatively new global peace movement of the XXI century. Their study through the prism of SPHERONS constitutes organizational science, which can be called "Institutology" or, after A.A. Bogdanov, use his term "Tektology" as Universal Organization Science [2]. This block is described in Chapter 8.

6. **The main obstacle and threat to global peace of SPHERONS.** Architecture of global peace of SPHERONS at the beginning of its conscious historical evolution in the XXI century in its scientific understanding (in GPS) must include identification of the main planetary force and structure that poses the greatest obstacle and threat to global peace. Without this there can be no true GPS. To this block is dedicated Chapter 9. It can be called Global Empireology.

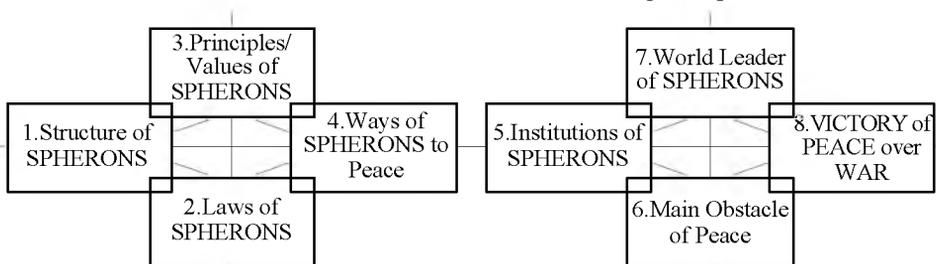
7. **The world leader and organizing center of SPHERONS for global peace** in our time, which more other is prepared to this mission by its history and spirituality, as well as in which is ripe the scientific (GPS) and personnel prerequisites for the leader peacebuilding mission in the world and for creation of the long-term "road map" of global peace for 50 years of the XXI century. This block is described in Chapter 10, which can be called Global Peace Leaderology.

8. The end result of this huge historical work of the XXI century will be **conscious global peace of SPHERONS as victory of peace over war.** To this is dedicated the whole book.

For the integral, holistic expression, the listed blocs of global peace architecture of SPHERONS can be summarized in the following chain of concepts:

1. Structure of SPHERONS – 2. Laws of SPHERONS – 3. Principles/Values of SPHERONS – 4. Ways of SPHERONS to Peace – 5. Institutions of SPHERONS – 6. Main Obstacle of Peace – 7. World Leader of SPHERONS – 8. VICTORY of PEACE over WAR. This chain of concepts is reflected in the model of tetranet harmonious thinking:

Model-21. The architecture of SPHERONS' global peace



Winning global peace over war and exclusion of the wars from subsequent world history is the natural result of conscious peacebuilding work of SPHERONS based on GPS in the XXI century.

Of the institutions of global peace in this chapter will be considered not all but only the key, changing the spheres quality from the traditional militaristic quality to their peaceful character. These institutions include:

1. Ministry (Agency, Department) of Peacebuilding (Global Peace) in the Governments of peaceful countries.
2. International Academy of Social Sciences for Global Peace or briefly: Global Peace Academy for the development of GPS.
3. International Committee for the organization and management of peacebuilding mass movement.
4. International University of Global Harmonious Peace Education based on GPS.
5. Institute of children's suffrage, providing them priority in society and excluding military use of people, especially young people as "cannon fodder". This Institute supposes the creation of International Committee for organization and management of a mass movement, especially women, for widespread legal recognition of the institute.
6. Institute of spheral democracy, or democracy of SPHERONS, which, unlike the traditional militaristic democracy exclude war as a way to resolve any conflicts and ensures only peaceful from harmony and non-violent solutions + International Committee for organization and management of the respective mass movement.
7. Institute of alternative reserve global currency of HARMON+ International Committee for organization and management of the respective mass movement.
8. Institute of general and complete disarmament + International Committee for organization and management of the respective mass movement, especially war tax resistance.
9. Institute of globalization of Esperanto as a language of international communication + International Committee for organization and management of the respective mass movement.
10. Institute of harmonious economy and ethical market + International Committee for organization and management of the respective mass movement.
11. Institute of the SPHERONS' global community + International Committee for organization and management of the respective mass movement.
12. Institute of transforming the UN in the body for global peace of SPHERONS + International Committee for organization and management of the respective mass movement.
13. Institute of the GPS informatization + International Committee for the organization and management of the respective mass movement.
14. Institute of global harmonious enlightenment in GPS through Internet + International Committee for organization and management of the respective mass movement.
15. International TV channel "Peace from Harmony" in the main languages, including Esperanto.

Each of these Institutes of Global Peace (IGP) is necessary, without which global peace is impossible but together they are still insufficient. The sufficient number of IGP will determine by the future scientific researches and practical experience. If the cause for war can be any of thousands of possible social disharmonies in every sphere of society, the maintenance of global peace requires preventing any and all possible causes of the wars, so IGP must completely cover them. Therefore, **the war is primitive action, it is elementary murder, which may be committed by anything, even with bare hands, and peace is an extremely difficult task for the human mind**, which requires a lot of different conditions and tools, including the most important of them IGP listed above. To solving this problem mankind has been unable to come as long as while the GPS do not started in 2013 in the GHA with discovery of its natural social actors – SPHERONS. **If local militaristic peace in past history was achieved by military formula: "If you want peace – prepare for war", the global peace from of the future history is only possible by harmony formula: "If we want peace, we need to create social harmony", which is achieved by IGP listed above and is not limited by them.** Transition to each of these IGP and their planned creation and development in international scale is a historic reform of humanity in the 21st century.

The most common outline of some of these IGP, **which we must create for 10–15 years and without which cannot be global peace**, is presented in the articles below in this chapter.

Dr. Leo Semashko. Editor in Chief, *Global Peace Science*

3. Department (Agency) of Peacebuilding in Governments. *Leo Semashko*

We have repeatedly emphasized the obvious fact that the governments lovingly nurse military infrastructure, unifying set of military institutions, priority develop war ministries, which bashfully called the "Defense Ministry" and generously fund the development of military science within more than two centuries since its inception. But they, unfortunately, are still not established an effective Peace Ministry and the Academy of Peace Science, for which they have not spent a single dollar for two centuries. It is therefore not surprising that mankind today is also far from global peace, as well as two centuries ago, so no special institutions and relevant science it never will.

Global peace can emerge and operate effectively only as a system of multiple institutions for different purposes, which are not introduced simultaneously and gradually, as the preparation of the necessary conditions for them within 2–3 decades. The key from the set of institutions listed above is the Department (Agency) of peacebuilding (or global peace) in the Government of any country. The very existence of such a body in the government proves its peaceful intentions. Now there are only 4 governments (Costa Rica, Solomon Islands, Australia and Nepal) of more than 200 that created such departments but devoid of scientific support their efficiency is close to zero. They, like all traditional peacemaking organizations of the last century, were unable to stop or prevent any war and had virtually no impact on the military governmental decisions.

The idea of Department of peacebuilding [3] for more than two centuries is losing the competition to military science and military ministry. It was first expressed during the debates of the US Constitution in 1793. Educator Dr. Benjamin Rush, one of the Founding Fathers of the United States proposed to create in government "Peace Office", which should be on an equal footing with the Department of War and pointed out the effect of doing so for the welfare of the United States in promoting and preserving perpetual peace in the United States [4]. It will inspire "reverence human life and horror of the shedding of blood"[5].

At the legislative level, the Department of Peace was first proposed in 1935 by Democrat Senator Matthew Neely. In 2001, Democratic Congressman Dennis Kucinich proposed another bill of Peacebuilding Department, which has remained a dead weight as the previous 10 attempts [4]. The last attempt belonged California Democratic Rep. Barbara Lee, who has introduced legislation to create a federal Department of Peacebuilding that would cultivate peace and take on the causes of violence and conflict. Lee's legislation H.R. 808 "Department of Peacebuilding Act of 2013" also would create a Cabinet-level Secretary of Peacebuilding focused on creating peace and preventing violence. This Department includes 8 offices: (1) the Office of Peace Education and Training, (2) the Office of Domestic Peace Activities, (3) the Office of International Peace Activities, (4) the Office of Technology for Peace, (5) the Office of Arms Control and Disarmament, (6) the Office of Peacebuilding Information and Research, (7) the Office of Human Rights and Economic Rights, and (8) the Intergovernmental Advisory Council on Peace. The department would also create a **four-year Peace Academy** in the model of the military service academies, and offer grants and incentives for peacebuilding initiatives [6]. But the US peacemakers themselves admitted: "The U.S. government, no platform from which to seriously wage peace" and make even contradictory and shameful attempts to somehow fasten Department of Peace to Pentagon for its recognition [7].

This long, more than two centuries, painful and unsuccessful history [4] of the Peacebuilding Department in the United States argues that the United States cannot make a solid and substantial step towards peace because of its without alternative dominance of militarism at all these centuries, both in its political practice of democracy and its ideology and spirituality.

Department of Peace (peacebuilding) can only be created in peacemaking in spirit and culture countries and only on the GPS scientific basis, which offers the spherical structure of this Department. It consists of two Agencies: the Domestic Peace in the country and the International (Global) Peace to the planet. These Agencies include at 5 Offices, 4 of which correspond to the four spheres and one is integral. All Offices and Agencies of this Department work on the basis of the Social Genome of peace from harmony – SOCIONOME (1.5) but an appropriate scale: for the country and for the world as a whole. Further details of this Department structure and functions require their concrete binding to a particular country or international organization. It is important to emphasize once again that without such a government body the conscious and purposeful work of the global peace-building cannot be and it did not exist until now. **Dr. Leo Semashko**. Editor in Chief, *Global Peace Science*

4. World Academy of Social Sciences for Global Peace. *Leo Semashko*

Under the UN or UNESCO auspice any peace-loving government in the world can create the World Academy of Social Sciences for Global Peace or shortly – Academy of Global Peace (AGP) to pull out the social sciences from more than a century of stagnation and subordinating them to a primary social need of humanity, ensuring its survival – a need of conscious scientific building and development of global peace. Creating GPS the first time in history in this book has shown the inability of traditional social science to solve this historic task and it showed the need for its quality upgrade on the following principles:

1. The subordination of social science the problem of global peace,
2. The unity, holism and harmony of social sciences in solving this problem,
3. The revolution of social sciences on basis of the general and uniting their new concepts of global social harmony: "Spheres of social production", "SPHERONS" (four harmonious spherical classes of the population employed in four spheres, "PARTONS" and "SOCIONOME" defining an entirely new paradigm of social cognition and social thinking.

Theoretical and empirical deployment of GPS in the chapters above demonstrated the subordination of social sciences solving a key global problem – the problem of global peace through decision of which finds a solution all the other global problems: demographic, environmental, economic, financial, food, democracy, education, health care, public welfare and so on. The GPS implementation has not only release through disarmament tens of trillions of dollars annually sufficient to solve these problems but also opens up broad prospects for economic growth by yet unknown possibilities of global peace. It opens also a new path of development and integration of the scattered, rigidly fragmented traditional social sciences as a single, global social knowledge and thinking.

In GPS in previous chapters was outline about 20 directions for development of particular social sciences as global sciences, integrated into a unified social science that focuses on global peace and called GPS. These concepts are identical: "global peace science", "unified social science", "science of global social harmony" and the like, and with addition of the concepts of "Spherical" and "SPHERONS." We list here the areas of global social sciences within GPS: global sociology, global statistics, global demography, global history of peace, global criticism, global nomology, global economy of peace, global right to peace, global peace policy, global finance of peace, global peace linguistics, global peace mathematics, global interspirituality of peace, global cultural studies, global psychology, global humanism of peace, global peace education, global peace organization, global peace technologies, and etc.

They are integrated, above all, through holistic nature of global peace, requiring preventing wars on all social azimuths, which can embrace only by means of appropriate holistic science, encompassing all dimensions of society in all its four spheres and SPHERONS that can make only GPS today. We do not see any other holistic scientific field that is adequate on integrity to GPS. These scientific directions are integrated in GPS also epistemologically that no less important. What are the concepts providing holism of these social sciences?

The unity, integrity and harmony for these social sciences give the central and common for them concepts of "SPHERONS" and "sphere, spheral," whose content is disclosed above (chapter 1) and integrally expressed in SOCIONOME, social genome of 16 fundamental elements of global harmony and world peace. **Since their sole creator, actors are SPHERONS hence their category/concept is the integrating center for these and similar spherical social sciences. Only with the category of "SPHERONS" as a fundamentally new paradigm of social knowledge and thinking associated unprecedented revolution of the social sciences.** Its essence beautifully conveys the following statement by the great Russian scientist **Vladimir Vernadsky**, who was one of the first widely using in the middle of the last century the concepts "sphere" and "noosphere": *"Today, we are experiencing doesn't crisis exciting weak souls but the greatest shift of human thought committing only once a millennium. Standing at this break and observing the revelation of our future, we should be happy that we are appointed thereunto survive this and participate in the creation of such future"*[8].

Every scientific revolution, as Thomas Kuhn wrote in "The Structure of Scientific Revolutions"[9], especially is not yet known for the social sciences and related with the SPHERONS' paradigm of natural social harmony, causes a resistance and rejection by mainstream science. Therefore, the Academy of Social Sciences for Global Peace cannot be established in far behind the times the traditional scientific

academies and institutions, as it will be suppressed by them as an alien body. **It can be established only as an alternative, innovative, organizational independent, autonomous and parallel scientific institution**, which will make a valuable, unique social information in great demand, the pledge of which is the GPS subject, purpose and huge social need in this knowledge. Nothing like a traditional social science for all time of its existence did not created and did not even raised the question of GPS, quietly conceded the scientific field to military science 200 years ago and "washed hands" for the fate of peace.

Deprived of innovative science, the policy of peace in all the countries and international organizations, including the UN, remains sluggish, spontaneous, meager in meaning, and defensive rather than advancing strategy. Almost all of the scientific instruments in the field of war and peace are subjective skewed in favor of the war. For example, the indices of peace, terrorism, democracy, and other subjectively built in the pro-American spirit as anti-Russian, anti-Chinese and similar countries. Traditional science is not capable to counter this anti-scientific farce truly scientific understanding these things. GPS proposed an alternative, really scientific Global Peace Index (chapter 4) and similar. But it is a colossal scientific work in the new paradigm, requires a combination of social sciences in their new spheral Academy. The peace-loving countries lag behind the USA in the information war, deprived of adequate advancing strategies and technologies, and are only defending from their American counterparts. Therefore, the Academy of Global Peace needs to peace-loving forces and countries of the world **that peace not lost to war in the field of social sciences**. The scientific foundation of this Academy was opened in this book GPS in *the ABC of Harmony* [10] and others. After the publication of this book, which of the peace-loving countries first establish the Academy for Global Peace? Who will take first this chance? **The true homeland for GPS will be a country whose government first will recognize the global necessary of GPS and will create Global Peace Academy on its basis** for its further development and wide application both domestically and around the world.

The establishment of this Academy will not affect the existing academic social institutions: they will continue research in traditional areas, the results of which can be integrated into a new, holistic Academy and its single scientific product – in GPS. Of course, this Academy is not only needed for the relevant research, but also for the training of relevant academic staff as well as experts GPS for government agencies and also to prepare **the professional peacemakers of different specialties** for different sectors of peacebuilding. **Dr. Leo Semashko**. Editor in Chief, *Global Peace Science*

5. Institute of Children's Suffrage for Global Peace. *Peter Semashko*

Status of children's rights is still disastrous, as if they were not human beings and are not subject of human rights. Neglect of children's rights is confirmed the countless facts. If Declaration of Human Rights was adopted in 1948, the UN Convention on the Rights of the Child [11] only 40 years later, in 1989, and not all countries. **The USA, seems, is the only country in the world that has not ratified this Convention** [12]. It is an indelible disgrace of America, which exposes it as the first violator of human rights, because the child is human and his/her right is human right, which the United States does not recognize. Therefore, the USA as the most militaristic country is the most ruthless to children, killing them by the thousands in their endless wars and bombardments. As pointed out by Mairead Maguire, Nobel Peace Laureate: "*US and UK committed genocide against the Iraqi people when, between 1990 and 2012, they killed 3.3 million people – including 750,000 children. ... NATO should be abolished ... through non-violent action and civil resistance. ... That is why we need to teach the science of peace*" [13].

Dr. Robert J. Burrowes wrote: "Every day, **human adults kill 35,000 of our children**. We kill them in wars. We kill them with drones. We kill them in our homes. We also kill children in vast numbers by starving them to death in Africa, Asia and Central/South America because we use military violence to maintain an 'economic' system that allocates resources for military weapons, as well as corporate profits for the wealthy, instead of resources for living" [14].

Another author confirms this figure with some refinement: From starvation alone, more than 30,000 children under the age of five die each day. Note: this figure only includes children under 5; it does not include children more than 5 years old [15].

In 1949 the Congress of women was held in Paris, which sounded the oath of tireless struggle **for lasting peace as the only guarantee of happiness of children**. But lasting peace there is no until now, and it is not visible even in the distant future. Children are deprived of this guarantee and any hope for them from the traditional democracy, which is not only powerless before the wars but also stimulates their rapidly growing military spending.

The only hope the children can give GPS, its institution of "children's suffrage executed by parents" (CSP), which is considered briefly in this article.

The CSP content is disclosed in many books and articles [16; 17; 18], including my article in *the ABC of Harmony* [19]. We will not repeat them here. **CSP is the first necessary institute of global peace**, without which the wars will not stop and without which the militaristic democracy of PARTONS will not be transformed into a peacebuilding democracy of SPHERONS. **CSP corresponds to the Law of children priority in the societies of global peace of SPHERONS** (see chap. 5). **Therefore, if we wish to build a conscious and long-lasting global peace, we must, first of all, create the CSP institute based GPS**. Its importance lies in the fact that the legislative and constitutional children priority displaces the social priority of profit, and with them the militaristic priority of past history and traditional paramilitary states since the war is the highest and most effective source of profit and enrichment for ruling and financial elites. The long-term interests of survival and prosperity of society is not connected with any other social group of SPHERONS except children. **Children embody and bear the peaceful future of any society**, which depends only from them, so strengthening their social priority corresponds to the fundamental interests of any society, if it is concerned about its survival and prosperity. **Children's priority in society coincides with the priority of peace, because they are identical**. CSP provides and guarantees the rights of all children [20], **including their first right to peace as the right to life**. All their rights are also a priority.

Peace is needed most to children, as they cannot and do not want to fight and war absolutely do not need them. **War brings them only death. Children are defenseless before the war. Any war for them is evil. For the development of children need only peace**, because the foundation of all positive that surrounds human is created in peaceful childhood. This foundation, in turn, determines the trajectory of the further development of human; it is a reflection of its future. It is self-evident to all people thing. The tendency to war and violence, children learn from adults, from war games, military training and education, military literature and TV. The scientific proof is the fact that experience of physical and psychological violence of adults over children is fasten in them as a model for their future behavior. This vicious chain of violence, which leads to war, can be broken only through CSP, which morally and legally will oblige to respect the dignity of children and to develop their priority within the family, school and society in general. CSP would strengthen family, minimizes the violence of adults over children and increase political activity of the population. Thus, for the development of children needs peace, while the war destroys perspective of the internal evolution for child.

CSP carries many other key positive consequences for all spheres of society. As the main guide of CSP will be the mothers, it will ensure women's political activity and raise their social role, both in society and in its management. **Main thing, CSP will provide fullness and peaceful character of democracy, transforming it into spheral democracy or democracy of SPHERONS, which will get rid it from militarism and other vices and limitations**. Children up to 18 years in any society constitute a significant part of its population from 15 to 50% and in each the number of children or increases, or decreases. CSP will prevent the destructive trend of reducing number of children and ensure harmonious, balanced growth or decline of their number in any country.

The CSP institute will also provide care for nature and environment, instead of predatory exploitation. Traditional militaristic states, as a rule, take care of the immediate benefits,

ignoring the long-term interests of children and their future. The future of children – this is our future, the future of humanity. The CSP institute can aim society for the future, to preserve the environment, survival and sustainable development of mankind and every nation. These and other positive impacts of CSP determine its fundamental importance for the harmonization of society and building global peace from harmony. CSP stops the war. Without CSP they do not end.

Of course the CSP institute itself is not rise. For its realization the mass movement of children's and women organizations of all countries is required. These organizations create a single management body on a democratic basis: International Committee of CSP. It organizes financing of this movement and its various activities for the development of different options of CSP legislation, its experimental verification and lobbying in the parliaments of various countries. It also promotes CSP in the traditional centers of international peacemaking – the UN, UNESCO and UNICEF, if they will be able to recognize the CSP Institute and in the new ones, which will be created for the organization and management of a mass movement for global peace based on CSP. In 2004, an attempt was made to interest UNICEF in conception of CSP but, unfortunately, pro-American UNICEF has shown complete indifference to it [16, 5].

CSP, expressing a social priority of children, **provides a stable purpose of every society in the long term perspective. This goal is social priority of children from harmony of SPHERONOV and through harmonization of all spheres and sectors of society**, excluding armed conflict and war. This quality of CSP will rid society from the vice of short-term traditional democracy, which lives from election to election, 4–6 years, with the priority interests of quick and maximum profit that uncovers its essence – the money, **which does not allow to set and solve the long-term problems**, particularly the problem of global peace, requiring many decades until the end of the XXI century. The priority of children through CSP is the future organizational mechanism in the institute of democracy, which allows raising and resolving all the long-term social problems in all areas, as they relate to children's interests as interests of the future society.

The CSP idea is becoming increasingly widespread in the world. For example, "Children's Lobby in Switzerland", a local social organization, made a proposal for the state authorities that they were allowed to vote newborns through their parents. While this proposal has been rejected by the authorities but they lowered the voting age to 16 years [21].

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6. Death of Democracy in America. *Terrence Paupp*

Democracy in the United States is completely dead. The American people are living under the tyranny of an oligarchy that is run between the financial sector on Wall Street and its bought-and-paid-for minions in Washington, D.C. With the exception of a few elected officials, the main concern of senators and congressmen is not the welfare of the people but the business interests of US big corporations, **generally headed by the weapons industry and the military industrial complex**. This explains why nobody dares to be openly critical of wars regardless of the extent of their disastrous consequences.

Criminals Escaping Prosecution. Very sadly, the people everywhere have been raped. If anyone of us were to steal a loaf of bread one has to do time in jail, while the Goldman Sachs thieves have stolen our homes, as an uncontrolled and unreformed banker class has continued foreclosures, and do risky derivatives. As a result, the entire US economy continues to sink into a greater Depression, taking the European Union down with it. Those government officials who speak of the importance for the United States to be and to remain a strong nation are not referring to the people as a whole.

Rather, they have in mind the rich and gigantic corporations that ruthlessly control the entire country, as well as the political apparatus in Washington – along with many states. The

American people do not seem to exist – except to be taxed as wage-slaves – for all practical purposes. In *Citizens United*, the US Supreme Court decided that money is speech, that there should be no limitations placed on the exercise of that speech, which reveals the hidden powers of the very wealthy. Unfortunately, the US Supreme Court stated that corporations should be viewed as people.

This encouraged corporations and lobbyists to continue to contribute campaign money to both Democratic presidential candidate Obama and Republican presidential candidate Romney to "cover their bets." This explains why, for the first time in my life, I decided not to vote during this 2012 year. It is really a worthless exercise under these conditions. Until the Obama administration actively works to prosecute and jail these felons and white-collar criminals, what is the use of it all? It just does not make sense any longer. This is not a matter of life and death. It is a matter of death either way. The so called "laws" we live under are worthless or selectively enforced.

Romney hides his hundreds of millions in off-shore accounts – all around the world. His money is tax free, just at a time when it is needed to invest in jobs and higher wages for working poor and working middle class people. Where is the money? This important question needs an answer now not at some time in the distant future. Where are the investigative journalists of the "Fourth Estate" in all of this? Most of them have been fired while others are fully afraid to ask and find out. The money which average Americans desperately need is now found locked up in the coffers of thieves who are the financiers that took our TARP bailout money and gave it to their banking cronies.

Holding Authorities Accountable. In other words, we are all slaves of the bankers. Further, ever since World War II ended in 1945, **the United States has been involved in numerous wars, almost single-handedly.** In violation of the war-making powers enumerated in the US Constitution, the US Presidents (*except for JFK*), have trumped up lies to invade Vietnam, Iraq, Afghanistan, Grenada, and other nations. The US Congress has largely abdicated its constitutional duties, thereby caving in to a skewed definition of the "Commander-in-Chief" language of the US Constitution – thereby subverting their oath of office to uphold the Constitution of the United States.

All hail the Pentagon and the Central Intelligence Agency (CIA), as they go out into the world to torture people in violation of international law and the 8th Amendment of the US Constitution. Once again, **the military-industrial complex wins and the cause of peace and the rule of law suffer while it is diminished and violated.** The objective of such wars was virtually always the same, to exploit the resources of other nations. For the rich and the big corporations in particular, this meant that a transnational capitalist class (TCC) has set out to control the wealth of the entire world – to the best of their ability.

The Federal Reserve, Central Bankers, and the Rockefellers should all be damned to Hell – after doing jail time in prison. But, like Jaime Diamond at JP Morgan Chase, they can "loose" \$3-billion dollars in a week and claim that they are "too big to fail! Yes, they are too big to fail! That is because Washington, D.C. and the Executive Branch have deemed them as "too big to jail." In this regard, the Department of Justice should be re-named as the *Department of Injustice*, "with liberty and justice for some." More details about the death of democracy in the United States look my books [22; 23; 24; 25].

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7. Super PACs and Secret Money Destroying America's Democracy

Jim Hightower

Leave it to Bill Moyers, one of America's most useful citizens, to sum up our country's present political plight in a succinct metaphor: "Our elections have replaced horse racing as the sport of kings. These kings are multibillionaire corporate moguls who by divine right – not of God, but (of the Supreme Court's) Citizens United decision—are now buying politicians like so much pricey horseflesh."

Corporations Replace the People. Pricey, indeed. In its disgraceful, democracy-crushing judicial edict of January 2010, the Court took the big advantage that America's corporate elite already had in politics – and super-sized it. This is the first presidential election to be run under the rigged rules invented by the Court's five-man corporatist majority, and we can see the effects of this ruling.

For instance, we saw in this year's Republican nominating contests that a new, supremely authorized critter not only arose, but instantly became the dominant force in the game, allowing a handful of extremely wealthy players to shove their selfish agenda ahead of all other interests in the election process: super PACs (Corporations)!

These are secretive money funnels that various political partisans have set up to take advantage of the court's implausible finding that the **Constitution allows corporations and super-rich individuals to put unlimited sums of money into "independent" campaigns to elect or defeat whomever they choose.** (I should note that the justices' ruling was a model of fairness: it also allows poor people to put unlimited amounts of their money into super PACs.)

These new entities amassed and spent vastly more than the campaigns of the actual candidates. Nearly all of this super PAC cash was used to flood the airwaves with biblical levels of nauseatingly negative attack ads, further debasing our nation's democratic process. Thanks for that, Supremes.

The Court's surreal rationale for allowing this special-interest distortion of elections was that super PACs would be entirely independent from the candidates they back. **In his Citizens United opinion, Justice Anthony Kennedy blithely wrote, "We now conclude that independent expenditures, including those made by corporations, do not give rise to corruption or the appearance of corruption."** Wow if ignorance is bliss, he must be ecstatic!

Atrocious Supreme Mistake. Of course, these justices knew what they were doing: **enthroning the wealthiest Americans, not merely to reign supreme over the political process, but also to control government.**

In a nation of 313 million people and an electorate of 217 million, fewer than a hundred super-wealthy individuals and corporations (a tiny fraction of a fraction of even the 1%) shaped the GOP presidential debate and nomination to their personal benefit.

While the conventional media dwelled on such sideshows as the snarling nastiness among some of the candidates and whether or not Romney could get any love from the GOP's hard-right, Bible-pounding, social-issues faction, **the million-dollar-plus givers to the super PACs were having one-on-one conversations with each candidate "in quiet rooms"** (as Mitt Romney so-genteelly put it).

Super PACs are only Wave One of the financial tsunami sweeping over America's politics this year. Wave Two, also authorized by Citizens United, will be even larger, for it allows Fortune 500 giants to siphon as much money as they want directly out of their corporate vaults and pour it into campaigns – while keeping the sources of the money secret from voters.

These totally secret corporate political funds are laundered through outfits organized under Section 501(c)(4) of the tax code as (WARNING: The following fact is so stupefying that it can cause temporary insanity in sensible people) nonprofit "social welfare organizations" engaged in charitable work! Never mind that **the welfare of the plutocracy is the cause being served by this perverse philanthropy.**

At present, the largest of these is Crossroads GPS, created by the noted **political altruist and GOP hatchet man Karl Rove**. It alone expects to raise \$240 million from undisclosed corporate interests and spend nearly all of it on venomous attack ads to defeat Barack Obama this fall.

You'd need more than a GPS to find all the sources of Crossroads' cash, but **it's known that nearly 90 percent of the \$77 million it raised in the last six months of 2011 came from a couple dozen donors chipping in from \$1 million to \$10 million each.**

Promotion of Government Corruption. The unlimited special-interest money gush into American politics dethrones democratic rule, corrupts government, increases both wealth disparity and social injustice, and destroys essential public trust in our society's commitment to fairness.

Super PACs are but one of the pipelines allowing corporate money to drown America's historic ideal of egalitarian self-government. The secret (c)(4) corporate "charities," the corporate "bundlers" who collect billions for the candidates' campaigns, the myriad fundraising committees run by both political parties, **the sham "foundations" that permit corporate favor-seekers to make tax-deductible donations to elected officials – these and all other channels of private purchase must be capped if America is ever to have a government of, by and for the people** [26].

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8. Death of Democracy and Freedom in America. *Charles Mercieca*

The well-known French writer Voltaire was asked once the following question: **Most of the things you say are obviously not true; why do you keep on saying them?** He did not hesitate to say: **I simply want to prove my point; I want to show that when you say something which is not true repeatedly people begin to believe it.** If you were to spend some time in the USA you are bound to hear people, especially the news media, often talking of democracy and freedom in America.

Mere Historical Elements. Going back in history, there was a time when democracy and freedom in America formed an integral part of the nation's structure and philosophy. These two items are now merely history. Over the past 65 years, since World War II was over in 1945, **these two elements began to disintegrate and wither away, at times faster than anticipated.** Democracy is derived from the Greek words demos (people) + kratia (government). In a genuine democracy the people are free to elect the government of their choice. For quite a time now this is no longer the case in the United States.

To be elected to any governmental office, people must in the first place know that you exist in order to vote for you. They must know a lot about you as much as possible. Hence, to reach the people the nation's news media must play a big role. All of this is merely theory. The news media will carry their message to the rest of the nation only if you were to pay a big price, otherwise you are literally dumped into oblivion. This means, unless you are really rich with millions of dollars to pay, the chances of being even considered for election are zero.

Even so, big corporations may select their own political figures and proceed then to finance their campaign with countless millions of dollars. **Such elected government officials will then put top priority on boosting the products of such corporations, in particular weapons and military machinery.** This explains why the two major political parties, Republicans and Democrats, in their electoral campaigns **never dare to criticize the bloated military budget. On the contrary, they promise more spending while cutting down money from the vital needs of the American people.**

To turn an insult into injury, when the average US politicians visit governments of other nations, **they tend to offer weapons and military machinery of any kind.** They hardly ever offer anything that is related to their health care, nutrition, education, and housing facilities. They hardly ever dream of fostering democracy in such nations. In fact, they would rather deal

with dictatorial governments as to pass all transactions needed fast and smooth with just the approval of one individual or a group of individuals. In democracy this would require a longer period to get ultimate consensus since there would be more individuals involved.

Peaceful People by Nature. In numerous surveys taken over the years, **the American people as a whole do not want their government to wage wars against other nations. They opt for peace**, for solving problems through diplomacy and healthy dialogues. Listening to the people and respecting what they advocate and wish would reveal democracy at work. **But how can we see democracy being practiced in the USA when it eventually does not exist?** People have the freedom to choose their own future, their own destiny. This would be the case when and if democracy is fully in operation.

The problem with the USA today lies in the fact that while in theory the government of this nation speaks of democracy and freedom, in practice there is neither one nor the other. If you were to visit all the schools of the nation, you will discover that virtually all of such schools teach that the USA is a nation of democracy and freedom. They say this virtually every day as to justify Voltaire's contention that if we say something which is not true repeatedly people begin to believe in it. Of course, these are not uneducated people. They are people from every walk of life and profession.

At times you hear some clergy reminding their congregations in churches that they must be thankful to God that they live in a country, which is characterized by democracy and freedom! Of course, this does not mean that they are intentionally lying to deceive the people. It reveals that what they have been hearing since their early childhood created in them the kind of mindset that would now take for granted these two elements. The war policies of the USA on a global scale have only one purpose, namely to control the entire world through machismo and fear.

Let us keep in mind the words that John Paul II uttered in Mexico during the eighties when he said: ***"Genuine peace will come to the world only after two of the greatest evils of the 20th century are gone; these are communism and capitalism because both achieve their objectives through the exploitation of people."*** Communism has already collapsed. **The best way for us now to see world peace in operation is to pray God to hasten the collapse of capitalism.** This would hopefully lead to the revival of democracy and freedom in America, which all people there deserve.

I am negatively impressed by the members of our Congress. Instead of taking drastic steps to remedy this political abuse, they continue to cooperate with this arrogant news media mafia who are doing a disservice to the nation and the world at large.

Also, we cannot view the corporations as people and let them use their wealth and money to select two individuals for the 300 million Americans and simply tell them: ***"You must select one of these two that we the corporations chose for you."*** People are aware how we make a mockery of democracy. This explains why people have no more confidence in us.

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9. Global Democracy of SPHERONS: Main Institute of Peace Policy

Leo Semashko

Everyone knows the famous phrase of Churchill on democracy: "Democracy is the worst form of government but nothing better than humanity has not invented." Here we take a brief look on the one hand, what's wrong with traditional democracy, why it degrades and becomes more militaristic, and on the other hand – what kind of democracy is the best of traditional and in root is the anti-war and peace-loving. **We show here and throughout this book that GPS**

offers a better form of democracy as well as better social system than capitalism and socialism – that is harmonious form and system through discovered in it SPHERONS.

According to generally accepted popular opinion, the best is recognized western democracy, and one of the best in it recognizes the most militaristic, American democracy. It attributed on the so-called "democracy index" to the category of "full" democracy, and Russia and many others to the category of "authoritarian regime." This is not surprising, because the "democracy index" was compiled by the same subjective pro-American methodology and an arbitrary point system completely anonymous experts [27; 28] alike "global peace index" discussed in chapter 3. Among the characteristics of a "full" democracy **completely ignored the measure of its aggression and militarism**, which at the USA is higher, as it is evident in its military dominance in the world (800 overseas military bases worldwide, the largest military budget, the largest military-industrial complex, etc.) and its continuous aggression. But some Western scholars pretend or naively believe for the sake of the interests of their masters, that militarism and its level have no relation to democracy and its level or have a minimal impact. Only 25 countries out of 167 have earned the qualification of "full" democracy. We would say that it is "full" for all its vices: militarism, corruption, inequality and nationalism.

Traditional democracy, on the USA example, has four genetic, ineradicable vices: militarism, corruption, inequality and nationalism or national priority of limited private interests. It is strongly supported by numerous American scientists, only three articles which we published above. Old democracy through their vices becoming obsolete and compels us think about the new democracy, which will replace the dying American democracy. The new democracy must be free from militarism, corruption, inequality and nationalism at the expense of internal organizational resources that possessed spheral democracy or democracy SPHERONS disclosed below. The first flaw, which it should put an end – it is militarism.

In the GPS methodology militarism and its level is crucial in assessing democracy, according to which all the traditional democracies assigned to the category of "militaristic" democracies that are not able or willing to seek peaceful solutions of acute conflicts and problems, preferring military power solutions. Of course, this rule is rare exceptions, which are analyzed in the following chapters, especially in chapter 10. The American "full" democracy, focusing on militarism, is hardly concerns (avoids and ignores) the issues of peace and together with them – children questions. This is evidenced by the fact that the USA cannot ratify since 1990 the UN Convention on the rights of children, but almost every year starts a new war and aggression in the world.

Chapter 9 is dedicated to the US "full" democracy in more detail, with all its "charms." Looking ahead, briefly list the most honest definition of "full" democracy: plutocracy, oligarchy, sunset, totalitarian democracy, democracy for the few [29], the "democratic despotism" and so on.

"Full" on the flaws of militarism, inequality, corruption and nationalism democracy requires the replacement of a new democracy free from these defects. This democracy we title "spheral democracy" or "democracy of SPHERONS." The need of spheral democracy is determined the appropriate spheral law formulated in Chapter 5. Its features as the institute of Global Peace are as follows.

The first feature of the spheral democracy is the Montesquieu's fundamental basis and **main law of democracy**, which does not execute any traditional (industrial) democracy today: **"the firmness and prosperity of democracy always depend from the correct division on the classes of the population with the right to vote". This is "the basic law of Republic"** [30, 171–172]. The GPS, which includes this law of Montesquieu, divides the population by the natural employment in the producing spheres on four classes – SPHERONS. This separation, on all grounds (see chap. 1), is the most correct, as it is objective and universal, so it provides a democracy not only "firmness and prosperity" but also inseparable from them global peace, without which there can be its "firmness and prosperity." Traditional democracy,

even the most "full", is devoid of any structured and constitutionally defined actors (classes of the population) of democracy, implying only one actor – the adult population as the people. Therefore, they are deprived of the fundamental law that provides firmness and prosperity of democracy – **"the correct division on the classes of the population"** on Montesquieu.

The second feature of the spheral democracy is **completeness as the coverage of the entire population**, including minor children (from birth to 18 years, as determined by the UN), which had never been presented in the traditional militaristic democracy and which are suffering from wars more other groups. SPHERONS cover the entire population, including children, whose interests are priority for society. Therefore democracy of SPHERONS is a truly full democracy with a priority of children and women as natural peace-loving groups of the populations of any society. The parents realize representing interests of the children in it carried out primarily mothers, who are granted the right to vote for each of her minor child through the mechanism of children's suffrage (CSP – see above para 5.) Women and mothers with children make up a large part of the population of any society. They will provide in the spheral democracy the women priority in its management and the priority interests of children instead priority of war excluding it from the life of society. The priority of women in governance of society is provided by the constitutional guarantee to present 50% of the seats in all organs of power in spheral democracy.

The third feature of the spheral democracy is **equal distribution of power in all branches and bodies of governance** between the four equally necessary (regardless of size) SPHERONS. **To this corresponds the four-dimensional political and party system in different variants** [31; 32; 33]. The real harmony and balance of SPHERONS will be reflected in a harmonious structure of their power and its equal distribution, which supposes the constitutional equal reserved seats for each SPHERON (for its elected representatives) at every level of government and in each of its branches. This mechanism requires a special study, design and practical testing. It eliminates and prevents any armed conflict between any of the groups in society as well as between the authority and the population and with other national states. **Spheral democracy for the first time in history provides political, ruling equality of the population on criterion of SPHERONS, i.e. on the criterion of employment in manufacturing spheres as the most important quality of all people.** Such an institutional division of powers **into four equal parts** provides spheral democracy with unshakable mechanism of its internal checks, balances and guards against all typical defects of traditional democracy: militarism, corruption, inequality and nationalism, with its impunity for crimes, oligarchic and/or tyrannical, totalitarian tendencies, and etc. It also provides the possibility of full participation of all citizens that is unheard for a dying democracy.

The fourth feature of the spheral democracy is the built internally structural mechanism of harmonious/soft opposition of four SPHERONS acting on a principle: **One common goal of universal harmony but the different ways to achieve and develop it for every of four SPHERONS.** (Remember, only this goal provides global peace from harmony). This mechanism provides anti-totalitarian, anti-militarist and anti-corruption immunity of spheral democracy, about which cannot even dream any of forms of modern democracy.

The fifth feature of the spheral of democracy is to take all (or the most important) decisions by majority votes of representatives of each SPHERON that, in fact, is spheral consensus or consensus of SPHERONS in the decision-making mechanism, which provides peace at all levels.

The sixth feature of the spheral democracy is **mutual monitoring and control of each body and of each officer by the Joint Commissions** at least two SPHERONS that virtually **reduce to zero possibility of corruption and abuses in government.** This mechanism of elections of power from each SPHERON and their internal equal, balanced four-dimensional structure, **which provides full transparency** of each spheral part of power for each and for all

population together with the corresponding absolute control over their actions, especially for the distribution and spending of their budget financing – **all this will eliminate the total corruption of all systems of government that reigned into** all previous types of democracy.

The seventh feature of the spheral democracy is full transparency of power and all state actions in all spheres and areas. Spheral democracy overrides all forms of secrets – commercial, banking, industrial, information and so on. It will be possible, naturally, only when the process of general and complete disarmament will be finished. Then the institution of state secrets will be canceled. Traditional democracy under the cover of a thick veil of universal and impenetrable mysteries **committed all the military, political, financial and commercial crimes, all the pyramids of corruption plunging the population into the ocean of total disinformation, ignorance, lies and deception,** in which it is unable to make the right decision and in which it becomes easy toy to manipulate for ruling elites and classes. **Spheral democracy replaces the criminal, militaristic and disharmonious ruling elites** of the past democracies by the harmonious, peaceloving and transparent elites of SPHERONS.

The eighth feature of the spheral democracy is the value unity of authority and the people in harmony, which becomes a common goal and uniting force for all political parties, bodies, governments and all groups of the population as the conscious parts of SPHERONS. Therefore, it excludes the ever hostile political interests of various private elites, overcomes partiality and disharmony of traditional democracy, which is constantly degrading and eventually dies under the weight of integral problems that it cannot solve. Therefore, **only the spheral democracy can be an example, actor and guarantor of global peace** as opposed to the traditional militaristic democracy, which is an example and actor of war. Spheral democracy serves to the maximization of social and individual harmony, rather than maximizing profits and wars as an industrial democracy. On the other hand, eventually, the above negative, evil qualities of traditional democracy transform it into an instrument not of national and anti-national government, no peace but militaristic governance, i.e. they convert democracy in the anti-democracy or "contra-democracy". They express total internal decomposition of mechanism of traditional democracy and require replacing it by mechanism of harmonious spheral democracy or democracy of SPHERONS as true democracy, free from its historical vices.

The first real and conscious sprout of democracy of SPHERONS was "Faction of Spheral Democracy" created in 1992–1993 within the St. Petersburg City Parliament – Petro-Soviet under my leadership as elected by population member of this parliament [34; 35].

The listed eight features of the spheral democracy allow us to conclude that **only SPHERONS' democracy can ensure global peace at all levels, the global policy of peace and the planetary, world order of peace. No one past form of democracy, as history has shown many thousands of years, were unable to provide all of this for prosperity of all the Earth peoples and humanity in general.**

So if mankind needs global peace, it should establish the spheral democracy instead of the traditional, industrial and militaristic one. This requires a huge and long work of a special international movement that will unite all democratic organizations, including peaceloving governments, of all countries for the sake of democracy renovation and its transformation from a militaristic, as **the USA democracy, "stamping" as on a conveyor the endless wars** (see Ch. 9), **to peaceful and peace one, the main agenda of which will be always peace, not war and weapons.** These organizations create a single administrative authority in a democratic manner, for example, **International Committee of Spheral Democracy.** It organizes the financing of this movement and its various activities from the development of different options for legislation of this democracy, their experimental verification and lobbying in various countries to support it in the traditional international centers – the UN, BRICS, G20 and the like, if they are able to recognize the Spheral Democracy Institute.

In Russia, for the purpose of testing different variants of spheral democracy during 2–4–6 years, could be defined, for example, four regions: Kaluga, Rostov, Orenburg, and Amur to find the most perfect forms of this democracy for different regions on the basis of which it would be possible to create one project for Russia as a whole. The first necessary work within the framework of these projects is statistical study of the dynamics of spheral classes of the population, SPHERONS of these regions within a few decades on the pattern of research in Chapter 2. It is work for the Academy of Global Peace.

Dr. Leo Semashko. Editor in Chief, *Global Peace Science*

10. Alternative Reserve Currency of Global Peace – HARMON instead of US Dollar as War Currency. *Leo Semashko, Alexander Semashko*

This article is a reprint with big cuts and updates the GHA "HARMON" project 2009 of 66 coauthors from 22 countries [36]. It expresses one of the key institutions of global peace.

1. The Main Conclusion from the G20 Communiqué, London, April 2, 2009. The Communiqué [37] analysis leads to a following main dual conclusion. On the one hand, a hope is expressed in viability of the traditional reserve currency and financial system under condition of its "repair", and on the other hand, it intuitively reflects the tendency of the global harmonization demanding an alternative, balanced and reliable currency. This currency should exclude any possibility of new financial crises and solve global problems of humankind. It should provide what the traditional reserve currency is not able to provide, e.g., to give any guarantee against recurring crises, as well as solutions of global problems, especially global peace problem. Therefore, the G20 kept the possibility of alternative currency searching that some leaders expressed after the end of their summit. In line with this tendency, the Global Harmony Association (GHA) as a representative of the world civil society offers this project of alternative reserve currency of harmony (Global Harmony Reserve: GHR) or «HARMON», briefly: «H» as public opinion, for the G20 leaders and for International Monetary Fund (IMF).

2. Scientific Basis for Alternative Reserve Currency of Global Harmony «HARMON». Based on Tetrasociology [38] as a science about social harmony and its actors: four spheral classes of the population (SPHERONS), a scientific theory of global reserve currency of harmony of humanity: "HARMON" arises.

The first conclusion of this theory is the following: none of the national/block/regional currencies, by definition, is able to carry out the function of a really global currency supportive global peace and world economy harmony as each currency is limited by the narrow national/regional interests and is not able to overcome them. **National interests and national currencies serving them are sources of the most of national and global problems: wars, terrorism, violence, poverty, hunger, ecology and etc.** Therefore they do not match the global interests of peace, justice, cooperation and prosperity.

The second scientific conclusion is: **a really global reserve currency cannot be tied with any national or regional currency.** In general, it should be provided by two defining reasons: the source and the purpose.

The source: It is built on economic richness, neither of a single one nor of several countries but on richness of the entire world, i.e. all countries and the entire world population.

The purpose: It is created neither for enrichment of one or several nations at the expense of impoverishment of others nor for an infinite military growth but only for the global social harmony. The world can accept only such reserve currency, which will serve the common interests of global harmony of the world's population.

The third scientific conclusion is: all currency reserves and all their commodity and gold backing are created by the world's population, therefore all currencies, including reserve, should belong, as well as the power, to the entire world population. **The people are not only a source of power but also of currency, therefore not only the power but also the currency belong to the people. This is a truly democratic vision of the currency, instead of traditionally imperial or elitist.** Any currency is provided by the population, which is the sovereign proprietor of this currency. A different sovereign proprietor of this currency does not exist. The sovereign currency property is diversified by the international and national right of the private currency property. Governments and banks can be only private currency proprietors and managers of currency on behalf of the population.

The fourth scientific conclusion is: social harmony of each country and humankind as a whole is provided with harmony of spherical classes of the population – SPHERONS. This harmony demands corresponding harmony (equality, balance, concordance, proportionality, etc.) of currency richness of each of these classes. **Currency harmony defines the harmony of the global exchange and production. Only such currency is able to exclude any financial crises, any wars forever and to remove the monetary barriers of growth of economy and other spheres.** SPHERONS create their democratic tools for harmonious distribution of currency richness between and inside themselves. Such tools should become the spherical harmonious banks, not less than 50% of which should be under control of the state to minimize bank speculations and to maximize their harmonization. It is obvious, that the proportion 50:50 between private and state ownership is the most harmonious. But from it the most different exceptions are possible for different countries and for their different stages.

Now we will be limited by these four scientific foundations of alternative reserve currency, which demand for the further study, specification, additions and development.

3. 'HARMON': The Basic Qualities.

1. HARMON is the global reserve currency of a harmonious civilization, harmonism and transition to it. U.S. Dollar is a reserve currency of industrialism in the form of capitalism and imperialism as an industrial civilization dominant. Two civilizations assume two differences concerning quality and social importance of currencies. At the modern level of globalization, the necessity becomes understandable that a new, global currency will be realized within a long stage not less than 20 years. This currency should serve to humankind's prime purpose: social harmony and global peace as a sole way of survival, sustainable development and prosperity of all the people. HARMON can be introduced after 2030 during 10 years that will be the conscious transition of humankind to a harmonious civilization.

2. HARMON as a world reserve currency is created and will be used on the basis of international law «International Charter of HARMON», accepted in accordance with the established procedure. In this project we formulate the basic qualities of Harmon, which the GHA offers in its Charter.

3. HARMON is created on the historically tested universal equivalent of an exchange: gold. HARMON is backed with cumulative gold reserves of the world population and the states. This reserve grows only at the expense of extraction and finds of gold. The world gold reserve and its limited growth limits growth of HARMON, minimize its inflation or deflation, and provide its highest reliability and stability as global equivalent of a harmonious exchange.

4. The Harmon's total sum expresses the total cost of cumulative richness of humankind as the sum of national richness of all countries of the world or as the sum of richness of four SPHERONS: Socioclass, Infoclass, Orgclass and Technoclass. The Harmon's sum is the upper limit for the sum of national currencies in total.

5. Harmon, harmonious money is the tool for general harmonious enrichment unlike dollar and other national currencies as way for private disharmonious enrichment. It is included in exchange chain of equal equivalents: **goods (services) – gold – HARMON – national money, acting as the tool of harmonization of extreme elements of this chain and harmonization of their distribution between different social groups.** It is provided with **double structure of Harmon: social and monetary, which is subordinated to the social one and expresses it.**

6. HARMON is constructed on the basis of richness and numbers of the population SPHERONS. These classes are the key actors of social harmony and global peace of humankind. **The social structure of HARMON and its organic orientation towards the harmony of spherical classes SPHERONS and their peace is a basic difference of new reserve currency from the traditional one.**

7. HARMON exists as e-money (e-cash) that excludes its paper emission.

7.1. **Currency accounts in HARMONS.** This account is called "Harmon-account" or «H-account". [Details look: 36].

7.2. **The social structure of the H-account** expresses its dependence on richness of four SPHERONS and on degree of their (and each person) incomes in corresponding spheres of production. [Details look: 36].

7.3. **The H-account monetary structure includes three parts:**

– the first fixed part which is equal to a certain amount of Harmon, which cannot be spent, except in extreme cases of global accidents and threats, it serves as a stabilization fund and as a guarantor of currency reliability;

– the second part is intended for special purposes: providing with a standard of living and currency target using;

– the third part includes all means above the standard of living.

The living wage includes five kinds of purposeful currency:

These kinds will provide with fundamental human rights and resolution of corresponding global problems. [Details look: 36].

7.4. **The fixed and purposeful parts of a H-account** are formed at the expense of means of the owner's account, his/her parents, friends, and relatives, the related enterprises and other organizations, national and international funds, and also at the expense of funds of the sphere classes. The account's free part is formed only of incomes of its owner.

7.5. **All H-accounts (i.e. accounts of every SPHERONS)** are classified on 10 standards of well-being: the first level is the poverty including all people with incomes providing for a minimum living wage; following three levels cover a middle class; following three levels cover a rich class; and following three levels cover the richest class. This classification will provide harmonization of richness of these levels of population. [Details look: 36].

7.6. **Totality of the H-accounts of the world's population makes each person on the Earth a member of one family.** Through universal system of these accounts the entire world's population becomes the proprietor and the guarantor of the Harmon. Modern IT allows humankind to create a WorldNet of H-accounts of harmony for humankind, similar to Internet, but with strict rules of functioning. By 2040 the entire population of the Earth could have the H-accounts.

7.7. **H-accounts are transparent** and all operations with Harmons are open for the democratic control at all the levels.

8. Only general harmonious education since the childhood is called and able to convince and teach the population to live in harmony and by the principle of maximization of harmony instead of profit maximization. General harmonious education is based on Academies of Harmony/Peace as presented in the GHA related project.

9. HARMONS cannot be spent for military expenses, weapon, terror, drugs and etc. that is regulated by the International Charter of HARMON and is provided with the International Monetary Fund of Harmony and other international organizations supervising the individual and official use of Harmon.

All named qualities of the global currency HARMON essentially differ from the U.S. Dollar as the traditional reserve currency and overcomes all its historical lacks.

Before to become a global currency, HARMON is used as regional currency in one or several international regional associations: BRICS, SCO, and so on.

4. Ways for Realization of Reserve Currency of Global Harmony.

As it was underlined above, the embodiment of the project of alternative reserve currency HARMON will demand up to 20 and more years. For carrying out of the necessary sociological and other scientific researches on the basis of Tetrasociology and within GPS, for experimental approbation of a new currency in regions and for many other researches and organizational works, the GHA suggests to create «International Center of Reserve Currency of Harmony» (ICRCH) as the Department of BRICS, the priority objectives of which are "International Peace and Security" and "The Reform of the International Financial System" [42. Details look: 36].

The project was edited by Dr. Matjaž Mulej, Prof. Emeritus, University of Maribor, Faculty of Economics and Business; Slovenia.

In the past years it has become clear that there is no "repair" will not save the dollar from its vices, including economic emptiness (lack of real value), militarism, exploitation, so the need for an alternative reserve currency escalates. This is clearly understood Russia and BRICS, started formation of such a currency and many researchers [39–41]. Moreover, a number of other countries have also shown a tendency to gradually get rid from the dollar and stocks, as recently told the Swiss magazine "Current Concerns":

*"More and more states have begun to replace the US Dollar. Not only BRICS countries, but also European countries. The dominance of the USA and their self-ascribed role as the world police without restrictions and scruples is over. **With the end of the Dollar as a world reserve currency, the era of the USA as a world power is ending, too** (emphasis added – L.S. and A.S.). More and more states begin to replace the Dollar. So the BRICS countries (Brazil, Russia, India, China and South Africa) have decided to establish an own development bank and currency fund in order to get rid of the dependency from IMF and World Bank, dominated by the*

USA. Also in Europe several governments have recognized that they are only used by the United States in their effort to increasingly encircle Russia. Through the sanctions against Russia ordered by the USA the European economy is badly affected a fact coming just handy for the United States, as the EU is still a strong competitor on the global market. In addition to the UK also France is going to reduce its Dollar reserves and allow global trade also in other currencies. Now the Turkish Prime Minister Recep Tayyip Erdogan will replace the US Dollar as a reserve currency in the country's trade with Russia. This way he wants to circumvent future sanctions against Russia, because Russia is Turkey's second largest trade partner. For NATO this U-turn could become a problem. Erdogan will therefore establish an alliance against the US Dollar with President Putin. The USA are seeing their hopes dashed. Perhaps cooperation rather than confrontation would be indicated, moreover, if one is no more in the position to dominate everything"[43]. Obviously, the BRICS countries, and for them and others will go on the path of healing the economy [44].

As we can see, this tendency becomes the world and its result is predictable, which implies an urgent necessary for a new reserve currency with the new requirements, especially with the quality of global peace and does not finance of military spending. **So, the future at the dollar does not exist.** At best, it will continue until the completion of general disarmament (see below) as a militaristic currency for financing of reducing production of weapons and military budgets before the end of disarmament. Thus, after 5–6 decades, the dollar will cease to exist as a reserve currency.

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11. Killer of Dollar already has Name. *Yegor Kalabashkin*

The association of developing countries under the acronym BRICS increasingly confidently press the positions of world hegemon – the United States. A growing number of experts are inclined to believe that the current economic system, which was built around the United States, in the very near future, will give place to a new, more sophisticated and less burdened by erstwhile stereotypes and debts. Already today, representatives of the BRICS and the expert community are actively discussing plans for the operation and development of a unified Bank able to take on the role of the Central Bank of BRICS. The association can really become a competitive alternative to the existing economic system of North American hegemony, moreover, it is able to take its place. "While this Bank would function as Central Bank of BRICS – quoted by RIA "Novosti" American economist, former World Bank staff, Peter Koenig. – "It is possible that over time, the BRICS member countries could create a new currency – for example, the "BRICSO" – an alternative to the dollar", – the expert believes [45].

Yegor Kalabashkin, Journalist. Moscow, Russia

12. Disarmament in 50 Years at 2% Annually Based on GPS. *Leo Semashko*

The Disarmament Institute has a key practical meaning to establish and provide global peace as full and nonviolent security. **Global peace is impossible without a general and complete disarmament.** Unfortunately, the numerous UN resolutions on disarmament, as a rule, is limited with general calls and not set any deadlines, scope, scientific platform and quota of disarmament, with a few exceptions relating to certain types of weapons.

The idea of general and complete disarmament in 50 years by reducing the army, weapons and military budgets by 2% annually in the GHA was first formulated in 2007 in the "*Magna Carta of Harmony*" as the primary mission of the United Nations [46, p. 21–22]. The Law of Global Disarmament (Chapter 5 in this book) defines its basic requirements: "**general and complete disarmament takes place simultaneously and uniformly in all countries, without exception, for at least 50 years**". This process must eliminate anyone unilateral advantages and are not disturb the established military parity of security for any of the countries by the whole period of disarmament. **Features and problems of disarmament are:**

1. The disarmament process is impossible under the untenable doctrine of security through military deterrence: "peace through/from strength" or "balance of national forces", leading to the ongoing arms race, parting the essence of the militaristic conception: of "if you want peace – prepare for war" [47]. Now it is necessary "to redefine safety for the XXI century"[48]. GPS redefines security of the XXI century through global harmony or the **SPHERONS doctrine**: "**Peace from Harmony of SPHERONS**" and the corresponding spherical thinking and scientific platform. The US President **John F. Kennedy** great words in 1961, on the UN General Assembly: "**Mankind must put an end to war or war will put an end**

to mankind" remain urgent to this day [49]. Therefore, **the first problem of disarmament is the recognition of global harmony and doctrine: "Peace from Harmony of SPHERONS" of GPS as its foundation.**

2. Maybe the most difficult technical problem of disarmament is to determine military spending because of their lack of transparency, as some countries have them closed, others camouflage military spending by one or other civil articles and etc. [50; 51]. Even the overall rates of the world military spending vary greatly: according to some sources, they make about \$ 5 trillion per year [51] and on other sources, too understated, they are about \$ 10 trillion [52] and etc. Therefore, **the second problem of disarmament is the transparency and accuracy of the information.**

3. The period of disarmament in 50 years is the approximate estimate, which may vary, most likely in the direction of increasing this period **to 70 – 100 years** due to the enormous complexity, inertia and the unpredictability of this process. **But the most important thing is to start it as soon as possible, maybe since 2020 or 2025.**

4. Among all the most dangerous weapons are weapons of mass destruction, especially **nuclear weapons, which requires a special, priority and accelerated, status in disarmament process** and to rely on the principle of "nuclear zero", recognized in 2009 Russia and the USA [37], which, unfortunately, is slowed down and ignored until now by the USA. To nuclear disarmament under doctrine "Peace from Harmony of SPHERONS" is devoted GHA project "Global Harmony International Treaty for Nuclear Disarmament" [53].

5. Disarmament under the doctrine of "Peace from Harmony of SPHERONS" supposes the **gradual transformation of armies in the creative International Corps of Global Peace**, for example with the title "Harmony". Its rationale and design is a big research task for the scientific Global Peace Academy and its institutions (see above).

6. The reduction of military spending in the disarmament process is **a powerful source of economic growth, people's well-being and poverty alleviation as one of the major causes of wars.** This sense of disarmament in the GPS doctrine is disclosed in the GHA letters to G20 leaders at their summit in St. Petersburg in 2013 [54]. Global peace in the future will be the main source of economic growth and efficiency especially in the conditions of limiting its natural sources and resources. This is another large constant task for Global Peace Academy and its institutes (see above).

All listed and other aspects of disarmament were discussed briefly in the GHA respective constant Petition in the UN in 2013 under the two key slogans: 1. "*We must shift the arms race into a peace race*" of Martin L. King Jr. and 2. "*Harmonization through education instead of militarization*"[55]. Although the United Nations regularly every 4–6 years holds special sessions on disarmament but they unfortunately remain invisible and of no effect. They are unable to stop the arms race and to start disarmament more than 70 years [56; 57; 58].

To disarm become real and effective requires a corresponding powerful mass movement of global civil society, bringing together all the numerous disarmament public organizations with the corresponding International Committee on Disarmament, which will provide strategic planning and financing of all similar actions. The most important instrument of this movement non-violent pressure to the governments is a "war tax resistance" in the following article.

Dr. Leo Semashko. Editor in Chief, *Global Peace Science*

13. War Taxes Resistance: Theory, History and Experience.

Robert J. Burrowes

As people of conscience consider creative responses to continuing government and corporate participation in militarism and war, including the nuclear arms race, it is evident that more sophisticated nonviolent strategies to resist this militarism and war will need to be developed. One possible tactic that deserves consideration for wider inclusion in this strategy is war tax resistance.

War tax resistance (WTR) is the conscientious refusal to pay that proportion of one's taxes that are used to finance military expenditure and participation in war. This proportion varies from one country to another. **In the United States, for example, more than 50% of the national budget is allocated to military spending, designed to pay for past, present and future wars.** Some war tax resisters refuse to pay any tax, on the basis that some of their taxes

will be used to finance military violence and killing. Other war tax resisters withhold a token amount, and some live very modestly so that they earn insufficient income to pay any tax.

According to scholar Dr. Gene Sharp, individual war tax resistance has probably been around since the first taxes were levied for war and reports of collective tax refusal date from the second century in Egypt [59]. There have probably been instances of WTR sometime or other in every country in the world and in some countries, such as Belgium, Britain, Ireland, the Netherlands and Norway, the history of war tax resistance goes back several centuries.

For example, in Britain in 1197, St Hugh of Lincoln refused to pay a tax levied to fund Richard the Lionheart's war against the King of France: all of St Hugh's property was seized.

In Belgium in 1537, Charles V, King of Spain, Lord of the Low Countries and Emperor of the German Holy Roman Empire, imposed a levy on the region in order to finance his war against France. However, the city of Ghent refused to pay and it was only after the emperor himself came to the city to quell the rebellion – by imposing harsh punishment on the City, including a long procession of repentance – that the resistance was ended. And in France in 1789, during the French Revolution, the National Assembly (made up of representatives of the people and some clergy) encouraged refusal to pay all past taxes to the king.

It wasn't until 1820 that Russia became the first country to establish legislation exempting pacifists from paying war taxes. This occurred when 30 British citizens were invited by Czar Alexander I to establish a cotton mill and, because some of the employees were Quakers, they submitted a petition to the Czar asking for freedom of conscience and an exemption from military service and church taxes for war. In response, the Czar issued a certificate which read 'His Imperial Majesty has given his gracious assent to this petition... all... shall be exempted from all civil and military taxes... the sect of Quakers may now and in future be freed from war taxes for the support of the Military.' In 1856, these provisions were still in effect [60].

More recently, there were instances of tax resistance during the Indian struggle for independence from British rule. For example, in 1928 Bardoli peasants met tax collectors with closed doors or tried to convince them not to collect. Then when police began to seize equipment, peasants dismantled their carts and other gear and hid the parts. Again in 1930 during the Salt Satyagraha, there were pockets of tax resistance, as well as boycott of the salt tax by illegally making salt.

These days there are active war tax resistance campaigns in many countries including Australia, Belgium, Canada, France, Germany, Italy, Japan, the Netherlands, New Zealand, Switzerland, the United Kingdom and the United States.

All of these campaigns have the common philosophical basis of a conscientious or religious objection to taxes being used for war or military spending [61]. Apart from this, war tax resisters believe that conflict must be resolved by using creative conflict resolution processes; it cannot be achieved by killing people. And many believe that we should be relying on nonviolent strategies, not military violence, for any defense [62].

The ease with which war tax resistance can be undertaken varies from one country to another. Where laws require employers to withhold taxes from wages, an employee may find it difficult to gain sufficient control over their income in order to resist paying the taxes. And where war tax resisters are successful in resisting paying taxes, government responses are sometimes onerous. In Australia, for example, the government has the power to seize wages from the employer (before it is paid to the employee), to seize and close bank accounts, to seize and sell property, to get courts to order payment under threat of further penalty, to bankrupt the resister, to seize their passport and to have resisters convicted of contempt of court (and imprisoned until they comply with court orders to pay the resisted taxes). While the penalties in some countries are not as onerous, war tax resistance requires considerable courage.

Some WTR campaigns have the establishment of a Peace Tax Fund as a related and central aim. The purpose of a Peace Tax Fund would be to allow individuals to nominate on their

income tax return that they wished the proportion of their tax normally used for military expenditure to be allocated to the Peace Tax Fund.

The Peace Tax Fund campaigns in the US, Canada and the UK are particularly active, and have some support at Congressional and Parliamentary level. These campaigns have used several mechanisms, apart from war tax resistance, to draw attention to their cause, including letter writing, lobbying and educational efforts. These campaigns have established Peace Tax Fund Trust Accounts in which the resisted taxes are deposited. But the aim of these Peace Tax Fund campaigns, such as the Religious Freedom Peace Tax Fund Bill in the United States – which has been submitted to Congress every year since 1972 and has had up to 58 co-sponsors in any one year [63] – is to establish a special trust fund in the government Treasury for deposits from those taxpayers who conscientiously oppose war and military expenditure.

International Law. When considering the appropriateness of war tax resistance, some people are guided to consider the individual's moral rights and legal responsibilities in relation to war under international law. It is evident that nuclear weapons, for example, have the properties of weapons outlawed by international law. Briefly, their effects include the indiscriminate dispersal of toxic and carcinogenic chemicals; the exposure of combatants and civilians alike to irreversible biological and genetic damage; and the creation of unpredictable, uncontrollable and unprecedented environmental destruction of such temporal longevity as to threaten the biological identity of the human race and even the physical integrity of the planet [64]. Several international treaties outlaw weapons that have such effects.

Yet states continue to manufacture and threaten to use these outlawed weapons. Other states, such as Australia, provide uranium and support the intelligence and command structures (military bases) for their use. What then is the moral and legal position of the individual in such circumstances?

In the International Covenant on Civil and Political Rights, Article 18 states: '*Everyone shall have the right to freedom of ... conscience.... This right shall include freedom to ... manifest (their) ... belief in ... practice*' [65]. There is equivalent article in Universal Declaration of Human Rights [66].

The former Roman Catholic Archbishop of Seattle, Raymond Hunthausen, is a well-known war tax resister. Explaining his 'witness of faith' [67] Hunthausen proclaimed his commitment to a moral principle higher than the law of the state:

*'It is true that as a general rule the laws of the state must be obeyed. However, we may peacefully disobey certain laws under serious conditions.... The point is that civil law is not absolute... where issues of great moral importance are at stake, **disobedience to a law in a peaceful manner ... may be ... an obligation of conscience.** I am saying by my action that in conscience I cannot support or acquiesce in a **nuclear arms buildup which I consider a grave moral evil.**'*

But while international law confers certain rights, it also entails a series of responsibilities. International law is not confined to the relations among states; an individual who commits an act which is a crime under international law is responsible and consequently liable to punishment.

The International Law Commission (ILC), which was set up by the United Nations General Assembly to promote the progressive development and codification of international law, was asked to formulate the principles of international law recognised in the Charter of the Nuremberg Tribunal and to prepare a draft code of offences against the peace and security of humankind. The ILC formulated seven principles which were adopted by the UN in 1950. The fourth principle (based on Article 8 of the Nuremberg Charter) stipulated:

'The fact that a person acted pursuant to order of [their] government or of a superior does not relieve [them] from responsibility under international law, provided a moral choice was in fact possible to [them]' [68].

Individuals thus have the right to freedom of conscience but **they also have the legal responsibility to make moral choices which may conflict with the laws of the state.** Laws have often been created to support the will of a government; the apartheid laws of South Africa

are a good example. In national law, what is morally wrong is not necessarily illegal. What is right, is not necessarily legal.

The order of a government to pay military taxes does not, under international law, absolve the individual of responsibility for the use of those taxes. Military taxes finance preparation for, and participation in, war beyond the 'legitimate' (if still immoral) use of force – defined in international law as cases of self-defence or under the enforcement provisions of the UN Charter. They are used to produce not only defensive but offensive weapons and technologies, especially those related to the nuclear arms race, and to finance overseas military aid. **It may thus be argued that the refusal to pay military taxes is not only an act of conscience but an obligation under international law.**

Summary. War tax resistance has a long history throughout the world and is a recognised act of nonviolent civil disobedience. WTR is particularly important because it draws attention to our personal financial support of the weapons race (by paying income tax) despite our other acts of protest. As we continue to move from war systems built around soldiers in uniform to those that utilise high technology, draft resisters will continue to be succeeded by war tax resisters.

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Editor in Chief note. This wonderful article proves that the resistance to war taxes from the population as main source of military budgets and resources is very important institution and nonviolent mechanism and technology of GPS. It raises to a new level the strategy of Mahatma Gandhi's nonviolent disobedience in peaceful transformation within new century. **The population and every citizen have a moral, economic and international legal right to refuse to pay war taxes and transform them into the payments for the Global Peace Tax Fund.** It turns the tax for the death of every in war into the tax for life of each in peace. Why do we have to pay tax on our death in the war instead of tax on our life in peace? Now only requires national and global leaders of this updated through GPS mass movement of war tax resistance, which will be a powerful tool of people diplomacy for global disarmament and one of the main conditions of global peace from harmony in the XXI century. War tax resistance, which arose spontaneously in many countries receives a scientific explanation in GPS as one of intuitive aspiration of SPHFERONS to global peace and as one of its institutions, instruments and technologies.

14. Esperanto: Global Peace language. *Renato Corsetti*

This article focuses on the substantiation of Esperanto as a language of global peace, which meets all its requirements: social harmony, equality, justice, human rights and democracy. This study was launched in 2012, in my article "Esperanto: Language for Harmonious Civilization" on the platform of a science of social harmony [69] and continued in this article as part within Global Peace Science from harmony that is created on the same platform.

In 1887 L.L. Zamenhof published the first grammar book of Esperanto, *Unua Libro*, in which he detailed a new language of his own creation. His goal was to have this language, since dubbed Esperanto, go global, fostering peace and international understanding in the process. Esperanto is fully compliant GPS, which recognizes it the preferred language of global peace and includes it as own linguistic part.

A utopian intermezzo was the proposal for a genuinely neutral international language, Esperanto, in the League of Nations and the European Parliament. Zamenhof wrote: "*Remember that the sole means of achieving peace is to abolish for ever the main cause of wars, the survival since the most distant pre-civilization world of antiquity of the domination by one people of other peoples.*" (Zamenhof, 1915, cited in Centassi & Masson, 1995) [70]. The language is one of the tools of of suppression.

Language has always been the consort of empire, and forever shall remain its mate. (Nebrija 1492, cited in Illich 1981, 34[71]). Linguistic dominance has its origins in conquest,

military and political subjugation, and economic exploitation. The role of language in imperial expansion has been a central element of the europeanisation of the world.

Today in a world increasingly aware of minority rights and linguistic and cultural diversity, the international language Esperanto is gaining renewed attention from policy-makers. Non-governmental organisations are pressing to have the international language question placed on agendas at the United Nations and the European Union. The Prague Manifesto of the Esperanto Movement, a modern restatement of the values and goals underlying the Esperanto movement, emphasises linguistic democracy. This is its main value, which distinguishes it from English and other privileged national languages [72; 73].

The celebration of the 125th anniversary of the appearance of the first Esperanto textbook in 1887 culminated in the 97th International Congress of Esperanto in Hanoi. UEA (the Universal Esperanto Association) is regularly proposed as a candidate for the Nobel Peace Prize, among others by the Polish Parliament in 2009. The Mongolian Esperanto Association became the seventieth member association of UEA. There are Esperanto associations in about twenty African countries. The German city Herzberg declared itself an 'Esperanto city'. The Esperanto version of Wikipedia contained more than 170,000 articles in the middle of 2012. In 2012 Google Translate added Esperanto to its list of available languages. Despite containing more than 700 pages, a new English-language encyclopaedia of original Esperanto literature has been termed 'concise'.

The possibility of the League of Nations encouraging Esperanto and even adopting it as a working language was considered seriously, but met fierce resistance on the part of France. Esperanto was discussed several times between 1920 and 1924, and consideration was given to reports of the experience of learning the language in 26 countries. Delegates of eleven states (Belgium, Brazil, Chile, China, Colombia, Czechoslovakia, Haiti, India, Italy, Persia, South Africa) recommended in 1920 that Esperanto should be learned in schools "as an easy means of international understanding" (Lins, 1988, 49–61) [74]. Smaller states, including some Asian ones, favoured a neutral international language.

But the forces behind the languages of the big member states had their way. The existing world order might have been threatened not only by a neutral language but also by the pacifist utopian political beliefs embraced by some Esperantists. The Esperanto option was rejected, a pattern that holds to this day, apart from some nominal recognition and consultative status at the UN and UNESCO and the International PEN Club.

In inter-personal communication, the absence of links between Esperanto and any nation-state may facilitate symmetrical communication, irrespective of the mother tongue of the speakers. At the inter-state level, in political institutions which debate the fate of the world's population, lack of political clout is of course the primary weakness of the language. It is the powerful states that can require that their languages have "official" status.

The concept of an official language in supra-state organizations dates from the early years of the League of Nations, when French and English were granted equal status, and in so doing established "*the fiction that a text written in 'language' can be rendered into any number of 'languages' and that the resultant renderings are entirely equal as to meaning*" (Tonkin, 1996, 14) [75].

The same principle of textual equivalence applies in the European Union with its 11 official languages, with in theory the "same" semantic content being expressed in each. Anyone familiar with translation processes and products knows that squaring the circle of conceptual, cultural and linguistic difference is a utopian ideal that is remote from how different realities operate. For instance, the legal systems in each of the 15 member states of the European Union have evolved in uniquely distinct ways and texts can never mean precisely "the same" in each language and culture.

There are, however, forces attempting to persuade the European Parliament to consider the Esperanto option seriously, and an increasing number of Members of the European Parliament

(MEPs) are reportedly interested in debate on such matters. A hearing was held in 1993, and one on broader issues of language policy is planned. This ultimately reflects the fact that supra-national EU institutions are, in principle, committed to multilingualism and linguistic equality, though the current linguistic hierarchy militates against this: some languages are more equal than others, especially French and English in EU fora [76, c.71, 54].

Any system of communication which confers lifelong privileges on some while requiring others to devote years of effort to achieving a lesser degree of competence is fundamentally antidemocratic. While Esperanto, like any language, is not perfect, it far outstrips other languages as a means of egalitarian communication on a world scale. We maintain that language inequality gives rise to communicative inequality at all levels, including the international level.

The unequal distribution of power among languages is a recipe for permanent language insecurity, or outright language oppression, for a large part of the world's population. In the Esperanto community the speakers of languages large and small, official and unofficial, meet on equal terms through a mutual willingness to compromise. This balance of language rights and responsibilities provides a benchmark for developing and judging other solutions to language inequality and conflict. We maintain that the wide variations in power among languages undermine the guarantees, expressed in many international instruments, of equal treatment regardless of language.

Certain languages are assigned preferential rights in international fora, such as the UN, military or trading alliances, bodies that control such international concerns as shipping and air traffic, and professional associations. It seems fair to conclude that the present system of assigning rights to certain languages effectively deprives speakers of other languages of equal access to the system. In addition, selecting a certain number of languages does not mean that there is no hierarchy among those selected quite the opposite. There have been few systematic studies of language policy in the EU, and none within an elaborate multi-disciplinary framework.

As the present policy is one of inaction, "*regulation by default... the only language which stands to gain is English. Considering the fact that most people do not wish to see English gain more ground, it is curious that it is, nonetheless, establishing itself as the dominant language of the European bureaucracy*" (Quell 1997, 71) [77].

English linguistic hegemony is asserted in multiple ways. Some of them reflect economic strength. The diffusion of English depends less on military force (though "peace-keeping" in Bosnia strengthens and diversifies English) than on commercial pressures, not least those of transnational corporations and global and regional organizations such as the EU. The top language benefits through the image-making of the ads of transnational corporations and the connotations of English with success and hedonism. These symbols are reinforced by an ideology that glorifies the dominant language and serves to stigmatize others, this hierarchy being rationalized and internalized as normal and natural, rather than as expression of hegemonic values and interests.

Globally these trends and many others that are an integral part of McDonaldisation, have led to a tendency for both elite and marginal groups to desire competence in English for the obvious reason that English is seen to open doors [78; 79].

The aims of Zamenhof were entirely different as he stated in his letter to the diplomats: "*All countries belong to their inhabitants and those who have settled there (naturalized). No people should, within a country, exercise rights or have duties which are superior or inferior to those of other peoples. Everyone has the inalienable right to use the language of his/her choice and to practice whatever religion they prefer. The government of each country is responsible for all injustices committed (by it/in its name) before a permanent European Tribunal constituted with the consent of all the European countries*" [80].

Overcoming linguistic hegemony of English requires to overcome the political and military hegemony of the United States. This is possible through the recognition of SPHERONS as actors of global peace, which need a common neutral language Esperanto, eliminating language inequality, anti-democratism and linguistic violence. The social source of recognition Esperanto as peace language can be SPHERONS. Only they, equal and harmonious classes for peace from harmony requires this equal, neutral and democratic language. The social base of Esperanto was first disclosed in an article by Boutkevitch et al. : "Tetrasociology and Esperanto" [81, p.217–221].

For further information on Esperanto, contact UEA at Nieuwe Binnenweg 176, NL-3015 BJ Rotterdam, The Netherlands (tel. +31-10-436-1044; fax 436-1751; e-mail info@co.uea.org) or at 777 United Nations Plaza, New York, NY 10017, USA (tel. +1-212-687-7041; fax 949-4177 or via its website at www.uea.org).

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15. Institute of Harmonious Economy of Global Peace and its Law

Uraz Baimuratov

The social institute of harmonious economy is one of the key universal spherical conditions of global peace in accordance with the above defined social genome – SOCIONOME and its SPHERONS as actors of global peace and harmonious economy (see chapters 1 and 2) [82]. Just SPHERONS as natural harmonious classes, covering the entire population and unlike to all private classes PARTONS: workers, peasants, intellectuals, civil servants, capitalists, proletarians, managers and so on are objectively interested in a harmonious economy, balance of production stages and material-economic situation of its private groups. The economic interests of PARTONS are always partial and disharmonious; the harmony they can find only in a holistic SPHERONS and their holistic and harmonious economic interests. On intuitively and non-scientific but no less important level, these ideas are reflected in the framework of the Islamic doctrine of harmony of economy and society [83].

Stable social evolution to harmony, saving modern civilization from degradation, as show studies, is not possible without its spiritual and moral foundations, without the synthesis of spiritual and scientific knowledge. The ratio of modern science to religion is based on a deep respect for the faith and a serious valuation of the role and place of religion in the history of society. The union science and religion has become a necessity. Now the time has come to understand spiritual knowledge in the perspective of modern science to use them for innovative development. In our studies of spiritual knowledge, in particular, the Islamic doctrine, play the role of the ideological foundation of social evolution to harmony.

As in the individual exist two initial starts (spiritual and material), the formation of the two worlds of harmony and disharmony in society is natural. Understanding the logic of duality in the minds and actions of people, it is easy to establish that in the world of harmony and the world of disharmony act their own economic laws, in particular the two laws of elevation of needs. In the first case, we are talking about the law of dominant elevation of the moderate needs above the tangible and intangible needs; second – the law of the destructive exaltation of material and non-material needs over the spiritual needs. It is manifestation of duality for elevation of the needs.

The discovery of the Law of elevation for the spiritual values over the material needs of individuals refers mainly to economics. The opening of this Law is confirmed the Diploma # 62-S and the Certificate of Russian Academy of Natural Sciences and International Academy of Authors of Scientific Discoveries and Inventions on November 5, 2014, Moscow. Registration number 605 [84].

It has long been in economic theory, to subject matter of which refers the concept of "need", there is a scientific understanding of the structure of human needs, their elevation and priorities. It is widely known the so-called "pyramid of human needs" by Maslow, which, unfortunately, did not have a decent place for the spiritual needs. The ratio of the spiritual values with material needs has not been studied, and this problem was not posed. The basic needs were recognized the material needs. The spiritual needs role of individuals was belittled and the importance of material needs respectively was overrated contrary to the purpose and meaning of the spiritual human life. The former purely materialistic view in a changing world becomes insolvent. This view is true only in a secular society where spirituality of individuals is virtually absent, where the role of religion is belittled or even ignored. Under these conditions, the material rises above the negligible spiritual. Therefore, the category of "social-economic harmony" (or briefly – "social harmony", because of which categories are not distorted) on the spiritual-moral basis was not considered in economic researches and training programs and has not been studied a specific link between spiritual values and material needs, especially in the context of the formation and development of a new harmonious economy [85].

Humanity is facing a dilemma: to continue to go further in the pursuit of material wealth at all costs (wars, terrorism, corruption, financial pyramids and frauds, speculation, drug trafficking, etc.) that is, in fact, falling into the abyss, or the world will turn towards saving move to harmony. We emphasize once again, our future depends directly from humanistic reorient of society to harmony and global peace from it. This is moment of truth. In more details these ideas are deployed in my publication here [86]:

Only in the way of a harmonious economy of SPHERONS the society is able to replace the disharmonious destructive law of industrial civilization: "the rich are richer when the poor are poorer" on the harmonious economic law of Maximin and Minimax discussed in Chapter 5.

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16. Ethical Market of Global Peace: Creative (e)-Partnership

Nicolae Bulz, Marcel Stoica

This article is shorted and updated variant of our paper: [87].

The complexity of global peace, its management, education, and solutions of its local and global problems requires the alternative integral theoretical foundation, one of which is represented in the GPS book as philosophy and science of social harmony of spherical classes of the population – SPHERONS. From the standpoint of this theoretical foundation is building a new large-scale model of moral market for global peace through creative partnership. We formulate several theses on alternative integral base and built on it a new, harmonious model of the market and economic partnership, which excludes the economic causes of war and armed conflict. This market model can be offered as an integral part of GPS.

The huge social and economic complexity of the XXth century, its trend of great wars and rebirths, had better focused on the fragmentation of the humankind scientific knowledge hindering understand this complexity. History, Sociology, Psychology, Anthropology, Ethnology, Juridics, Theology, Economics, Politics have more than ever been proper and separated domains. GPS offers its synthesis and integration of the social sciences in their open interface and interaction to solve the most complex problems, one of which – the problem of global peace. The traditional sciences have the academic low "interface" of dialogues and closed for the broad interdisciplinary approaches and researches. Their overcoming is a long-term trend of human knowledge, in the fairway of which is the development of GPS, which integrates the achievements of the past.

Into this context, it is much more remarkable the real multi/ inter/ trans-disciplinary efforts of some great scientific personalities of the XXth century. Into a chronological order of their birth year, let remember and synthesize their centennial contributions: Bloch, 1988; Braudel, 1985; Chomsky,

1996; Croce, 1966; Derrida, 1978; Friedman, 1968; Galbraith, 1996; Hayek, 1967; Heidegger, 1977; Popper, 1966 and etc.[2].

Our Charta of the Creative Partnership, 2003 [88; 89] between all the human beings, the NGOs, the world states and the planetary specialized entities, connected into a first stage by their interest in pro-market reform and the poor, summarizing the integral achievements of the past century, is expressed by the following fundamental theses.

A. Global and local ethical education-work helix [Giarini, 2003]

B. Global and local research-action helix on equitable, sustainable and societal topics, and the consequent knowledge transfer and technologies transfer [Myrdal, 1970], [Simon, 1988].

C. Human relations (as basic state of the: embedded ECO-CONSCIOUSNESS, self-constituted and sustained INTERNATIONALLY CIVIL SOCIETY, resulting SUBTLE WORLD – within its CREATIVE (E-)MARKET, and initially desired and designed CREATIVE PARTNERSHIP, and possible attained through all these.

D. Amenities, health care, tourism, generalized access to the products and processes of science, technology, sport, literature and arts.

Similar market economy, in our view, would be adequate to global peace, constantly reproduce it from the economic harmony and not erode it with economic disharmonies, imbalances and crises.

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17. Global Community for Global Peace. *Germain Dufour*

This article is shorted and updated variant of my paper: [90].

The non-governmental organization "Global community," created in Canada about 30 years ago and bringing together dozens of peace organizations with thousands of members, claims that everyone on Earth should be able to live in peace. **This Global Peace Movement is about the courage to live a life in a harmonious peace order and showing by example, thus preventing poverty, wars, terror and violence.** We need to educate the coming generations with good principles, being compassionate, social harmony and global sustainability being some of them. The responsibility of a peacemaker is to settle differences through compromise and negotiation before they erupt into violence. Conflicting views do not have to bring about fighting. **War is an irreversible solution to a problem. War is never an appropriate solution to resolve a conflict.**

The people of the Global Community are using the Global Dialogue to resolve conflicts, promote democracy, and fight hunger, terrorism, disease, and global rights abuses. In order to bring about the event of peace the Global Community is offering other good organizations around the world to work together to bring warring parties to peace. **Peace in the world and the survival and protection of all life on our planet go hand-in-hand.** In this paper asking for peace in the world means doing whatever is necessary to protect all life on our planet. Protecting all life implies bringing about the event of peace in the world.

We live in a world where all natural and human resources are exploited mercilessly, so that a small minority can consume far more than their rightful share of the world's real wealth. Now, as we push the exploitation of the Earth social and environmental systems beyond their limits of tolerance, we face the reality that the industrial era faces a burnout, because it is exhausting the human and natural resource base on which our very lives depend. A sound

governance of the Earth is needed for the long term survival of our species. This is 'la raison d'être' of the Global Community. The Global Community has proposed the creation of global ministries to manage Earth and humanity's global problems. The higher purpose of humanity is to serve God by propagating Life throughout the universe. So don't we have an obligation to do whatever we can to protect life on Earth?

In view of the planetary state of emergency declared by the Global Community, we all must change, we must do things differently to give life on Earth a better survival chance and bring about the event of peace amongst us all. Life often involves tensions between important values. This can mean difficult choices. However, **we must find ways to harmonize diversity with unity, the exercise of freedom with the common good, short-term objectives with long-term goals.** Every individual, family, organization, and community has a vital role to play. The arts, sciences, religions, educational institutions, media, businesses, nongovernmental organizations, and governments are all called to offer creative leadership. **The partnership of government, civil society, and business is essential for effective global governance based on the Global Community concepts and the Scale of Global Rights.**

The Earth and all its natural resources belong to all the "global communities" along with the Global Community where they are found. The Global Community concept of *ownership* states that land and natural resources of the planet are a common heritage and belong equally to everyone, to all life on Earth, as a birthright. Products and services created by individuals are properly viewed as private property. Products and services created by groups of individuals are properly viewed as collective property. Along with ownership comes the obligation of using the resources, share them or lose them. Land and all other Earth natural resources are not commodities. **Use the land, share it or lose it.** This principle also applies to banks and similar institutions all over the world and to Wall Street. You own property because the previous owners could not pay. Use that property, share it or lose it.

In order to better protect life on our planet, the Global Community is asking people of all nations to defend and protect their natural resources. In particular, all the hydrocarbons within a national territory must be nationalized. It is an obligation, not only of a national government, but also of all the active forces in a country; it is the duty of local and municipal authorities, the duty of state authorities – of everyone – to take upon themselves this defence and this recuperation of natural resources. A workable type of Tobin tax should be in place as it is a powerful instrument to promote sustainable development and force shareholders in moving away from producing oil. **A Tobin tax is a tax on all trade of currency across borders to put a penalty on short-term speculation in currencies. The tax rate should be 10 to 25 cents per hundred dollars.** The proposal is important due to its potential to prevent global financial crises. Also, an estimated \$500 billion per year makes it possible to meet urgent global priorities, such as preventing global warming, disease, and poverty.

The military option, war, is against global sustainability, global rights, and global peace in a big way. The worst environmental degradation happens in wars. War is the greatest violation of global rights that one people can inflict on another. It brings deaths and injuries, starvation, diseases, millions of people losing their homes and livelihoods, and massive destruction of property. Children and teenagers are placed in internment camps, and several are often forced to serve as soldiers. War not only corrupts the morals of soldiers, it leads to a decline in the morality of the whole nation. A nonviolent settlement to a conflict would always be more advantageous. Wars truly make no sense! The world is too crowded and too small nowadays! And weapons too lethal! So security cannot be achieved through the military. The military is no replacement to the "will of the people", democracy, the rule of law, social justice, and global rights. **The Global Community has no need in a subversive military force.**

NATO should be disbanded as well as other armed forces and must be subject to Federation of Global Governments as civil peace organization.

We need to realize what is a priority, what is the most important, and what is the least important for our survival. **We need to make hard choices. We need a clear vision. We need a common vision. And we must all change!** There are many important aspects of our lives we can no longer do, or should never do anymore. They are destructive. Humanity and all life can no longer afford activities that destroy life and the global environment, and certainly the military is a major one of them. And there are other activities we must do, thousands of them, to assure the survival of life on Earth. In view of the planetary state of emergency, we all must change, we must do things differently to give life on Earth a better survival chance, and thus bring about the event of peace amongst us all.

Global Community welcomes the establishment in GHA the first time in the world history Global Peace Science (GPS), which will undoubtedly strengthen the peaceful unity of the community and enhance its peacebuilding potential, making it able to overcome war and global militarism. Peace cannot live and win war without science without GPS. But it is very difficult and responsible work. Global Community as global peace institution is able to organize the World Scientific Contest among peace organizations on the planet for the GPS better option to attract to its creation as many more scientists from different countries.

Global Community can also become an experimental platform for testing peaceful, spheral democracy, to replace the traditional, militaristic democracy of the USA sample. The formulated two new functions are the new and very important peacebuilding tasks for Global Community in the development of global peace.

The Global Community Institute divided on spheral, harmonious and global sub-Communities of four SPHERONS (spheral classes of the population) has key importance for global peace, justice, democracy and stability of humanity.

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18. The UN Transformation into Body of SPHERONS' Global Peace

Leo Semashko

The UN was created after the dissolution of the League of Nations, which was unable to prevent the Second World War preparing in front of the whole world. Now the situation repeats: in the eyes of the world ripens a third world war from USA, and the UN, like its predecessor, is unable to do anything to prevent it. Humanity is also helpless in a new world war, as 75 years ago. It is stubborn but inexcusable impotence before the war and militarism, which always win peace by the will of one country-aggressor. **Although the main purpose of the UN is peace but for the UN it is unattainable: the war goes annually endless line during 75 years. This means that the UN must be radically transformed.** But is how and on the basis? From the GPS perspective, the UN has two congenital defects.

1. **The UN is devoid of any scientific, objective knowledge about global peace**, its natural actors, its laws and the ways to achieve it because more than a century stagnation and lag of the social sciences, which are unable to create such knowledge and even to raise this question about it within 75 years. (It is their lag from military science). **The UN is guilty in this itself. It, under the USA militaristic influence as its key figure, does not want to raise, discuss and resolve this problem to initiate it before science and scientists.** Without global peace science the UN is unable to resist the war that was proved by the sad history of its defeats before the war within 75 years. **The UN has become a fire brigade for extinguishing the military conflicts but the UN does not know and does not concern the causes and actors of global peace to build it instead of extinguishing fires of endless war.** Some of these conflicts it cannot solve almost since its inception, for example, the military confrontation between Israel and Palestine.

2. **The UN s lacking a democratic structure, which would hear the voice of the peoples, not just the voice of governments.** We know that the nations are peaceful and the governments, with very few exceptions, are prone to military solutions. Therefore, in the UN the serious problems of global peace are hardly discussed and solved but the questions of private conflicts infinite and inconclusive, virtually meaningless, procrastinate. **In the UN the priority is the issues of war but not peace.** Therefore, any government, contrary to all norms of international law can start any war, including the world, behind the UN back and with its tacit connivance. It constantly and vividly demonstrates the USA ignoring this organization. The UN will be able to make global peace a priority to oppose the war, when this international institute will be express the people's interests in its **Chamber of Public Representatives of SPHERONS (global spherical harmonious classes) or the UN SPHERONS' Chamber.** This issue has been considered GHA in 2007, in "Magna Carta of Harmony" [46, p. 21, thesis 36]. These representatives are chosen the country's population from each of its SPHERONS in a certain proportion from the population number (for example, one of every 50 or 100 million people) for a certain period, for example, up to 5 years. They are independent from their governments. They will make the population, which carries all the victims and hardships of wars, involved in the decision-making process of war that the governments decide not the people and population. The SPHERONS' National Representatives will find peaceful solutions to any military conflict as opposed to governments who cannot and usually do not want to look them that shows the UN entire history for 70 years, a year filled with dozens of wars.

The UN SPHERONS' Chamber is vested the right of final decision on any matter in the UN as well as the rights of a full and long proactive international boycott (economic, political, financial and diplomatic) any country exhibiting unrestrained aggression or aggressive intentions. The UN SPHERONS' Chamber will make the structure of the UN **truly democratic** and effective, in contrast to its modern bureaucratic and inactive structure for peace. Science World (NGM) and democratic structures are able to qualitatively transform the UN into an effective instrument of prevention of wars, instead of endless indulgence them traditional militaristic democracy, not able to overcome them within 70 years, no national or global levels.

Only science of peace (GPS) the UN SPHERONS' Chamber allow the UN to fulfill its main mission, providing global peace – general and complete disarmament. Of course, these questions require careful scientific study, which is able to make the Global Peace Academy and its adequate research institutes (see above para 4.).

To be truly effective, the UN should move location of its headquarters from the territory of the most aggressive and most dangerous country for peace on an independent territory or, at least, in the territory of a neutral country. International Center for Peacemaking – the UN, cannot be in the lair of global militarism: it is a mockery for the UN as miserable relative of the USA, which nurses 70 years its prosperous wars. This will transform the UN of peaceful scenery of the American militarist empire in the honest and brave insistence tool of building global peace.

This issue becomes especially important after **the USA along with Canada and Ukraine and with the support of the NATO countries rejected the UN resolution condemning the glorification of Nazism on November 21, 2014.** It makes these countries (with great shame), the heirs of Hitler and fascism. Can the UN to get on with this legacy of the most dangerous Nazi militarism despite its Charter? This is another fact in favor of a fundamental transformation of the United Nations, which must confront its descent into Nazism under the influence of the US and transfer the UN headquarters to another country.

Dr. Leo Semashko. Editor in Chief, *Global Peace Science*

19. Ukraine, NATO and more: Time for the UN to look to the Earth Constitution? *Roger Kotila*

(The full text see here [91]). The United Nations Charter seeks "to save succeeding generations from the scourge of war," but has not been able to live up to its rhetoric. From the UN's inception in 1945 in San Francisco world federalists warned that **the UN's Charter was fatally flawed. Sure enough, geopolitical hotspots and war have erupted with regularity.**

The current crisis in the Ukraine is the latest example of UN helplessness. The elected government of the Ukraine was overthrown with covert help from the United States, and then Russia, fearful of encroachment by the North Atlantic Treaty Organization, proceeded to annex

Crimea. Politicians and the public are largely unaware that there is a potential solution to these dangerous geopolitical maneuverings that could spark a world war. The Earth Constitution [92] is waiting. It is ready to go.

Ending the "scourge of war" has been out of reach for the UN. Weaker countries are routinely the victims of Bully nations who use covert operations, economic manipulation, and outright military aggression to control or overthrow governments. The UN's defective Charter allows the leaders of the so-called "great" powers to toss international law aside, indeed to do almost anything at all, with impunity. **The UN watched helplessly as the United States illegally invaded first Afghanistan, then Iraq.** For the world community the leaders of bully nations are literally "above the law" as was seen in the brutal "shock and awe" attack on Iraq wherein the US president and the generals responsible for this illegal invasion were never prosecuted for their war crimes, including torture.

The UN has been overshadowed by US/NATO. The results have been disastrous for the countries invaded by this military alliance which ignores international law and makes its own rules, apparently motivated by the goal of world empire and for "energy security" which one suspects means to satisfy the financial yearnings of private oil corporations. Targets of US/NATO assaults include Yugoslavia, Afghanistan, Iraq, and Libya. The people see their homes and cities destroyed, including the infrastructure so that basics like water and electricity are barely available. Horrendous civil wars have resulted. Libya was targeted by the US/NATO and the dictator Muammar Khadafy deposed, yet the people are worse off than ever with the country devastated and in a state of anarchy. We see a similar fate for Afghanistan, Iraq, Syria, and soon, possibly the Ukraine.

In the Ukraine the UN is unable to prevent the internal interference by the United States **that helped cause the violent overthrow by neo-fascists of Ukraine's elected government.** To complicate matters, US/NATO seeks a door into the Ukraine, a move that has caused Russian authorities serious alarm since the Ukraine lies on its border. **The UN has been unable to restrain US/NATO expansion.** The facts about NATO as revealed by Mahdi Nazemroaya in *"The Globalization of NATO"* are alarming [93]. The US/NATO military alliance, he reports, is carrying out plans to militarily encircle both Russia and China. NATO's interest in the Ukraine along with the announcement by the US of its "pivot to Asia" seems to confirm Nazemroaya's analysis. Fear of encirclement caused Russia to annex Crimea, and spurred China to begin to increase its own military might.

US/NATO actions appear so irresponsible and reckless that it is even conceivable that an attempt at regime change could be in the making to oust Russian President Vladimir Putin who is currently being demonized by the western press. **One can reasonably conclude that NATO, basically a military alliance led by the US, threatens world peace because of its actions to expand worldwide, yet claims it only seeks "security."** But isn't that why we have the UN? It is easy to illustrate the UN's failures. We are living them everyday through the news, – always a new geopolitical conflict or outrage of one kind or another. **Nations operate in a global war system.**

The Earth Constitution provides a global peace system and constructive alternative to the UN. Disputes between nations are resolved without war (which is outlawed). Conflicts are resolved peacefully through adjudication in specialized world courts, or by a democratically elected World Parliament – lacking in the UN structure. A core problem is that the UN cannot override the decisions of the undemocratic UN Security Council with its five permanent veto members who use the veto to protect themselves and their allies no matter what wrong they have committed. The United States, Russia, and China have most often abused this veto power.

Professor Glen T. Martin, author of *"World Revolution through World Law,"* has described the Earth Constitution as the "most important document" of the 20th and 21st centuries [94]. It is designed to accomplish what the UN has been unable to do. The Earth Constitution offers a

solution to the nightmare of war and nuclear weapons. Its design is for nonmilitary government both at the global and national levels, of critical importance because military power can never bring true security or peace, a lesson not understood by the US/NATO. The only realistic goal for a safe and secure world must be world union. We must federate. The nations must form a world federation that truly represents the global community. There must be enforceable world law in league with a democratically elected world parliament. There is no shortcut. It is time for the UN and the peoples of the world to look to the Earth Constitution.

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Editor in Chief note. This excellent article is written in the spirit of the Global Peace Science (GPS) and coincides with it in assessment of the UN and the USA/NATO military alliance as the main threat to global peace. The offered alternative – "Earth Constitution" is absolutely necessary tool for the peaceful world order. But it is, in our opinion, will not be work, touched only with the governments and not covering the population in the major actors of global peace – SPHERONS discovered in GPS (see chapters 1 and 2). GHA offers jointly to modify the Constitution, adding it the structural idea of SPHERONS, which constitute global social structure, provide the most correct division of the population in democracy and thus actualize the most profound and full **social** foundation for Earth Constitution. Through SPHERONS it receives the status of "*the basic law of republic*" by Montesquieu, which is ignored the traditional militaristic democracy (see. above para 9.).

20. International Scientific Contest for the GPS Best Option. *Leo Semashko*

Obviously, the first task of the Academy of Global Peace (AGP – see above para 4.) will hold the International Scientific Contest to define the GPS best option with the payment to its winner solid award. Naturally, this Contest may be conducted with support of the government, which will receive not only moral dividends and peacemaking prestige. The GPS authors repeatedly stated that while GPS will not find a wide scientific recognition it remains the hypothesis open for comparison with other variants of this science if they exist. **Our GPS is the first real example, which does not exclude others.** The Contest purpose is precisely to detect the presence of scientific theories that could qualify for the "title" Global Peace Science (GPS). Of course, this Contest is preferably carried out under the auspices of authoritative international organizations interested in this science, for example, the UN, UNESCO, G20 or the BRICS, SCO and etc. GHA offered to support such a Contest the G20 leaders in 2013 in St. Petersburg [95], but, unfortunately, it did not find response to this proposal. **We have emphasized that the procedure for the International Scientific Contest is the most proper, credible and democratic in the public recognition of this extremely important for all science, if at least one of these international organizations will support this Contest. Apparently, here needs authority and initiative of the government in such an organization and not the GHA. Ultimately, such a contest can be held under the auspices of the government only if international organizations will express indifference to this science of peace that will be a clear indicator of what they want most: peace or war.**

The Contest key terms, in our view, are as the followings:

1. To the Contest are invited any groups of social scientists at least of the two countries and 2 persons, who having scientific experience proven in publications of peace studies/researches without any other restrictions.

2. The Contest is accepted the scientific texts of projects under the title "Global Peace Science" not less than 10 and not more than 1000 pages in electronic and paper versions (perhaps as the published book) with a summary of content within 2 pages.

3. Requirements for the Contest projects. Each project must include at least the following parts/sections:

- 3.1. Summary and evaluation of previous peace research, especially on a global scale.

- 3.2. Theory of global peace with accent of the fundamental concepts defining the ultimate objective reasons and natural actors of global peace.

3.3. The empirical confirmation of the global peace theory.

3.4. The basic method and the main ways of implementing global peace science at all levels: global, regional, national and local.

3.5. Rough estimate of economic effectiveness of the global peace theory and terms of its implementation, that is achievement of global peace.

3.6. The applications science of global peace as a theory of global justice, global law (especially human rights), global politics, global ecology, global democracy, general and complete disarmament, global peace education, the harmony of science and religion, a global culture of peace and global interfaith harmony.

4. The Contest Committee is developing "The Statute of Contest for the GPS best Project" with all the details, including the necessary funding for research participants and promotion of the Contest winners. This Statute and the Contest International Jury will approve by the organizer of this Contest [95]. The preparation of this Contest is carried by the Global Peace Academy.

Dr. Leo Semashko. Editor in Chief, *Global Peace Science*

21. Institute of World Harmony for Global Education in GPS. *Laj Utreja*

The Institute of Global Harmony (IGH), initiated by the GHA and created on the basis of *the ABC of Harmony* [10, p.106–107] at the Pedagogical University of Gandhi Vidya Mandir in Shardashahr [96], Rajasthan, India in 2014 is approaching to the Institute of Global Education in GPS. This institute can be considered as not only the research but above all as educational institution of GPS within the proposed above Academy of Global Peace. The need for a qualitatively new, harmonious education based on *the ABC of Harmony* and GPS is dictated by all the conditions of modern life, above all, the need for global peace.

We are living in a state of moral and ethical decline without an end in sight. Profit motivated businesses are using technology to the point of negatively impacting almost every sphere of life, including human health, education, entertainment, natural environment, social and cultural life, and finally resource sustainability. Economic systems have created inequality that has polarized our world into two distinct groups of the very wealthy and the neglected. Our political institutions are broken as private interests have come to wield more influence over public policy dividing the nations into another set of two groups, the powerful and the commoner. Our polarized world is imbued with rampant corruption starting with our elected leaders. People have lost faith in the system and they are asking for help.

The real solution lies in creating global peace within harmonious civilization [53] in which men and women are accorded dignity and respect, and their natural aptitudes and aspirations are nurtured to reach their full potential. A harmonious society would reduce the barriers of class structures created by the prevailing political and economic environment, such that all people have an equal opportunity for personal and economic development. Appropriate education and training can foster an environment conducive for alleviating the wide-spread biases and false propaganda against the common sense point of view. What is needed is a complete education overhaul that can restore common sense, human values, and a sense of responsibility.

The purpose of education must not be only to: teach the student a trade; prepare the student for a productive career; enable a student to earn a good income, compete to stay ahead of the other communities or nations in technology, or preserve a particular doctrine, but to live in peace and harmony with the rest of the environment. In other words, the purpose of education must be to produce socially sensitive and responsible citizens primarily for global peace.

A critical look at today's broken political, economic and social systems [97; 98] along with an abused and violated environment necessitates the development of a new education program that may bring stability and sustainability to our broken world. Nothing less than what would help develop harmonious societies for a peaceful and sustainable world should be considered the goal of the education program. **To be a peace-affirming, peace-building, and peace-**

loving world, we must dedicate our time, energy and resources toward teaching students in GPS from a very early age as it is done in some countries in the area of sex education. Peace education is more important than that. These children should be taught the meaningful lessons about peace from harmony that can be learned and experienced inside the classroom as well as outside in the world. **Peace and harmony can only come through teaching and learning peace and harmony in an educational set up.**

The IGH is a college of higher learning that produces post-graduates, grounded in human values, with three specialized skills: subject matter experts (SME's) ready to engage in their respective areas of human development to tackle challenging local problems in a manner that brings harmony among concerned communities of people and the environment; SME's who will prepare harmony curriculums for children of all ages – from pre-school to high school students to married couples; and harmony teachers who will teach and train children to become socially sensitive and responsible citizens for global peace. The high school graduates from the IGH may either take a vocational school training needed in the local communities or take upon undergraduate studies based upon their interest and aptitudes. The post-graduates from the IGH will be sought after by the governments, industry, organizations and the institutions alike [99]. The IGH graduates will be the model citizens of tomorrow.

The IGH envisions partnering with international organizations, including the United Nations (UN) and its affiliates, various Non-Government Organizations (NGO's), such as the Global Harmony Association (GHA), the International Association of Educators for World Peace (IAEWP) and the Institute of World Problems (IOWP). Partners would include individuals and groups from different perspectives to collectively craft holistic solutions for a harmonious society leading to a peaceful and sustainable world.

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22. Yoga: A Practical Skill in Peace Education for Nonviolence.

Surya N. Prasad

Yoga is a practical skill in peace education developed by the author of this paper. His peace education is based on universally inherent five elements, **viz. physical, vital, mental, intellectual and spiritual** in all men and women everywhere without discrimination of any types to be manifested integrally. **The skill of yoga will help every man and woman to be healthy in all parts (elements) of their body leading them to be nonviolent.** Hence the author advises that since 21 June 2015, the beginning of the UN International Year of Yoga let all people of the world be aware of their five elements within them and grow integrally through perpetual practice of skill of yoga for their holistic health and sustainable nonviolence.

Initiation of International Day of Yoga. The United Nations declared 21 June as International Day of Yoga on the adoption of the resolution of Assembly on 11 December 2014 with support of 170 Member States without a vote. The credit goes to Indian Prime Minister Mr. Narendra Modi for his initiation to propose for the UN Declaration of International Day of Yoga, who said on 27 September 2014 addressing the UN General Assembly, "*Yoga is an invaluable gift of India's ancient tradition. It embodies unity of mind and body; thought and action; restraint and fulfillment; harmony between man and nature; a holistic approach to health and well-being. It is not about exercise but to discover the sense of oneness with yourself, the world and the nature. By changing our lifestyle and creating consciousness, it can help us deal with climate change. Let us work towards adopting an International Yoga Day.*"

Yoga for All People. Like Laws of Isaac Newton was not for the people of Great Britain, Invention of Steam Engine of James Watt was not for the people of Scotland and Great Britain, Archimedes Principle was not for the people of Syracuse, Italy and Greek, Albert Einstein's Theory of Relativity was not for Jews and the people of Germany, and like other inventions, discoveries and creations of other scientists and philosophers were and are for their respective nations and people, but for the benefits of the people of the whole world, similarly the Science of Yoga developed by ancient Indian Saints is not for

people of India only, it is excellent and unique gift for the people of the whole world. Therefore yoga is a Catholic (universal) skill. It is everybody's technique to be practiced without discrimination of any type to get benefit of it.

Who can do Yoga? Yoga can be done by those who are well-fed. But alas! 80 per cent of the world population out of about more than 7 billion people is not able to perform different skills of yoga because it lives on less than \$10 a day. And nearly 1/2 of the world's population – more than 3 billion people – live on less than \$2.50 a day, and more than 1.3 billion live in extreme poverty – less than \$1.25 a day. 1/3rd of the world's hungry live in India, and 836 million Indians survive on less than Rs.20 (less than half-a-dollar) a day. Therefore the resources should be made available for 80% of the financially deprived persons of world to end their hunger and poverty to enable them to take care of the integral health of their physical, vital mental, intellectual and spiritual bodies through the practice of yoga. Besides this, 20% of the world's highly financially abled persons should be awakened towards the importance of practice of yoga to maintain the integral health of their bodies also and to be motivated to arise in them a natural desire to share their much, much more surplus financial resources with their helping hands to the needy persons around them and in the rest of the world.

Availability of Resources for All to Practice Yoga. It is learnt that the world has enough resources to meet the needs of the five bodies of 15 billion people while there are about more than 7 billion people in the world. But 80% of the world resources are in the hands of 20% of the people everywhere in the world. While as Oxfam estimates that it would take \$60 billion annually to end extreme global poverty – that's less than 1/4 the income of the top 100 richest billionaires. And also the world produces enough food to feed everyone. For the world as a whole, per capita food availability has risen from about 2220 kcal/person/day in the early 1960s to 2790 kcal/person/day in 2006–08, while developing countries even recorded a leap from 1850 kcal/person/day to over 2640 kcal/person/day. This growth in food availability in conjunction with improved access to food helped reduce the percentage of chronically undernourished people in developing countries from 34 percent in the mid-1970s to just 15 percent three decades later (FAO 2012, p. 4). The principal problem is that many people in the world still do not have sufficient income to purchase (or land to grow) enough food. Therefore the United Nations, The World Bank, respective governments of different nation-states and rich people of the world should share their resources to meet the needs of hungry people to facilitate and encourage them to practice yoga for their holistic health. It is a matter of distributive and restorative justice. And for this, the affluent persons should be awakened to start to practice yoga.

History of Yoga. History of Yoga may be divided into four categories, viz. Vedic Yoga, Pre-classical Yoga, Classical Yoga and Post Classical Yoga. (Georg Feuerstein, *Traditional Yoga Studies*, 2015)... [See more here: 100]

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23. GHA Website "Peace from Harmony": Beginning of GPS Development

Ivan Ivanov

In our age of information society the existence of any science, especially fundamentally new, such as GPS, is impossible without a considerable information base and support. GHA, which creates this science, fortunately, has a powerful website "Peace from Harmony" [101]. History and features of this site since 2005 were presented in my article three years ago in "*The ABC of Harmony*" in 2012 [10, 116–117]. Today the site includes 16 language segments, 22 sections and about 1300 pages of information in English and Russian among others. On it there are published 50 projects of global harmony/peace and 8 GHA books for 10 years of its existence. **The total number of site visits from more than 70 major countries reached nearly 7 million**, i.e. the average counts are about 600 000 per year, 50 000 per month, 2 000 per day. Currently a daily attendance of a site is within the 2.5–3.5 thousand.

GPS is developing on this information basis. Its preliminary materials, articles and chapters in different versions began to publish on the site since the beginning of the project in

March, 2013. For the representation of GPS on the home page was created a special section with various banners expressing key ideas of the global peace in Russian and English. Of course, this scope of work on information support of GPS on almost volunteer basis is considerable but not sufficient. In the presence of financing there are the following possible directions of development of GPS information support.

1. **Creation of the social network on the basis of the site "Peace from Harmony" with the same name for all peacemakers with the purposes** of discussion, education and development of GPS and all the key institutions of global peace, beginning with the majors: SPHERONS as actors of peace, Children's Suffrage, SPHERONS's Democracy, HARMON currency, Disarmament in 50 years, Mass Peace Movement and etc.

2. Creation of language divisions of the site "Peace from Harmony" with the purpose of GPS development on all continents. These divisions could continuously monitor the dynamics of the priorities of peace and war on continents and largest countries [102].

3. Creation of a special large-scale project of the site "Peace from Harmony" with the title "Global Peace Culture and Art" for the publication and dissemination of works of all art forms and cultures, dedicated to world peace.

4. Creation of project of amateur videos, dedicated to condemnation of the existing wars and armed conflicts and to signs, seedlings and most various manifestations of global peace in the history, science and culture of our planet.

Of course, this list of directions of support and development of GPS information base can be considerably expanded.

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24. Road Map of Global Peace in the XXI Century and its Leader

Leo Semashko, Subhash Chandra

In this and the preceding three chapters in the general view were shown the main blocks of the architecture of global peace of SPHERONS: their laws, principles/values, ways and institutions, ignoring any of which makes achieving this peace impossible. The practical integration these blocks and their elements are in institutions, which are described in this chapter but which are necessary but together insufficient. The formation of these blocks cannot be both at once but only in some logical sequence of global peace, which can be expressed as the "**Road Map of Global Peace in the XXI Century**" in time. However, the time factor, because of its extreme uncertainty for global peace, we leave for the future. The roadmap of global peace is intended to express some order to create its necessary institutions and conditions, to determine its leader and the main enemy in its achievement. Roadmap of global peace is alleged and the planned path to it through the science of social harmony. In the first approximation Roadmap of global peace of the XXI century appears as follows:

1. **Creation of the history first version of global peace science (GPS)** as the embryo of a global scientific peacebuilding consciousness, illuminating becoming the conscious actors of global peace – SPHERONS. This version of GPS is presented in our book here.

2. **Definition of the leader of international movement for global peace** or peacebuilding front of peacemaking nations. This is the first and major practical problem: **whether can be among peaceful nations of the world, such as India, China, Russia, Brazil, South Africa, Kazakhstan, Egypt, Mexico, Malaysia and others found the strong independent peace leader able to lead in the XXI century world movement towards global peace and its steady building? The Government of which country is able to volunteer to take this noble but in the highest degree responsible peacebuilding mission of global leader and historical reformer? Will there be such a government? Or the humanity governments prefer to do more war, the arms race and military budgets than global peace?** These are questions of humanity, of all people, all citizens of all countries and all inhabitants of the planet, because it is questions of life or death for every.

WHAT IS REPLY FROM GOVERNMENTS TO THESE QUESTIONS OF THE WORLD CITIZENS? What Governments want to do: war or peace? Or do they hide behind the UN, whose peacemaking mission are paralyzed from the beginning, since 1945, by the global militarism and dominance of American empire, which transformed the UN, in fact, into a servant of their national interests, depriving it a hard spirit of permanent and universal peacebuilding. **World peace and any clear movement to it at this UN do not work for more than 70 years and they do not even shine on its horizon. The USA became the main threat, the enemy and obstacle of global peace** (proof of this fact, see chap. 9). In the context of pro-American UN, the independent state or a group of countries should be as the peacebuilding leader able to pursue an independent policy of global peace and gradually unite around itself all peaceful countries to create in the long perspective not simply new "United Nations" and "**United Peacebuilding Nations**" (UPN).

3. **Establishment of the Department (Agency) of Peacebuilding in the government of country-leader with approval of budget financing of all its divisions** (see above para 3.) that should show the world the seriousness of peaceful intentions of this government and its fearlessness in front of apparent enemies and obstacles.

4. **Organization of the World Academy of Social Sciences for Global Peace or shorter: Global Peace Academy (GPA)**, which will ensure the development of GPS and conducting various scientific studies, especially dynamics of SPHERONS of the world countries from 1950 on decades in all spherical indices of SOCIONOME, social genome of global peace from harmony (see chap. 2). Other tasks of GPA are formulated in other chapters. Together with GHA the International Scientific Journal "Peace from Harmony" is created to publish it in the major languages, including Esperanto.

5. **Holding the International Scientific Contest for the GPS best option**, which will provide a better quality of GPS, its international recognition and to bring together peace researchers from different countries in GPS.

6. **Formation of the World Council for Global Peace (WCGP)** as the unifying center of peace-loving governments and international and national peace organizations with various International Committees in its structure for different institutions of global peace: Children's Suffrage (CF), democracy of SPHERONS tested at different levels, HARMON currency, disarmament for 50 years, non-violent resistance to war tax, Esperanto, harmonious economy, global community of SPHERONS, transformation of the UN into the UPN, GPS development, mass movements for peace, women priority, interfaith harmony and harmonious education for global peace, and others.

7. **Creation of a global social network "Peace from Harmony"** dedicated to the discussion and development of global peace in all its dimensions.

For all stages of the Roadmap the GHA has special projects and suggestions in GPS spirit.

The main question of Roadmap for global peace is: what peaceful country could become the organizational center of these movements for location and funding their Committees and able to take a long-term (at XXI Century) proposed in GPS international program of consistent, science-based building global peace? Theoretically, there are several. This is, first and foremost, those which have a long, at least a thousand years civilization history of primary peaceful nature: India, China, Russia, and others. Another option – this organizational center can be not one but several united countries, such as the BRICS. This variant will be discussed below (see para 25.).

From our point of view, which perhaps we are wrong, but in which we are most confident and on which, above all, hope – **the most appropriate country for the mission of world leader of building global peace is Russia**. Russia is a special, integrated (or pluralistic, multi-dimensional culturally) civilization. It has the rich cultural diversity of more than thousand-year history of peaceful co-existence in consent and "sobornost" of dozens of nations of diverse spirituality, united peacefulness of deep cultural "consonance", i.e. of fundamental social harmony. This harmony is perceived and felt intuitively in the Russian national spirit and consciousness. This natural, harmonious and peaceful nature of Russian spirituality found expression in the Orthodox religion, as well as in Russian philosophy, literature and art, of which can scoop thousands of evidence to that effect.

This is only one of Fyodor Dostoevsky. Speaking of Pushkin as the greatest national genius, who possessed "*the ability of universal responsiveness*", he stresses that this ability is the "*key features of our nationality*", is the people's ability. So the inheritance of Russia "*is a world, and not by the sword acquired but by the power of brotherhood*", by serving the people of Europe and the world, "*the desire to*

bring reconciliation to the European contradictions ... and utter the final word of the great general harmony, brotherly definitive agreement of all the tribes by the Christ Gospel Law" [103, p. 455 and 458]. GPS, born in Russia by joint efforts of scientists from many countries – it is the "word of the great general harmony" and "brotherly agreement" reconciling nations. Therefore, it is Russia as a nation-reconciler in spirit of "great general harmony" is more suited to the role of peacebuilding global leader. (For more details see ch. 10). That is why Russia initiated the creation of the peace-loving international organizations: BRICS, SCO and others.

Therefore, the other, no less important variant of world leader in building global peace can be the collective leader but with mandatory participation of Russia. For example, the BRICS countries association, which will strengthen the position of these countries in the world and, on the other hand, will strengthen the position of global peace in the face of the USA war empire. Russia has all the necessary resources and political will to fulfill historical mission of leader of the global peacebuilding movement but the best way to implement it will be a collective leadership through the BRICS, as discussed below (see para 25.).

The presented version of the Roadmap of peacebuilding – that's just the most common its beginning (the sequel is scheduled in the list of Institutes: see above in para 2.) requiring a fundamental development in the Global Peace Academy.

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25. BRICS as Global Leader of Peacebuilding Front in the XXI Century.

Security: the Theory of Two Fronts. *Leo Semashko*

The global peace basic institutions presented in the 8th chapter form a **single in diversity Global Peacebuilding Front of humanity in the 21st century**, the ultimate objective of which is building a world order of global peace excluding wars, armed conflicts, and any weapons. This front **nonviolently** resists and confronts to **Global Military Front**. Let us compare these two fronts in order to understand the scope of their confrontation and weigh the strength and capabilities of each.

The Military Front is the first global front on time, scale and impact created by the world countries for their national defense and security. He began to emerge after origin of military science nearly two centuries ago but a decisive contribution to its building was introduced by the last, most militaristic and bloody century in history. The military front of humanity unites countless military institutions, armed forces and global military infrastructure with hundreds of millions of employees and tens of trillions of dollars of annual funding. Military front works on the war continuously almost 200 years without stopping for a minute.

The consolidating center of this front is a military science, which allowed creating a powerful military infrastructure (the infrastructure of war) uniting four clusters of military resources:

1. **Tens millions** of armed forces personnel, attendants and military-industrial complex workers (cluster of human or people resources of wars);
2. **Military science** with thousands of military Academies, colleges, institutions and information services with millions of military scientists, teachers and experts. Military science is the basis of formation of military doctrines, strategies and policies of governments (cluster of information resources);
3. **Military budgets** with trillions of dollars annually and powerful military structures, beginning with the Ministries of Defense, using these budgets (cluster of financial and organizational resources);
4. **Material-technical base** of the war, including tens of thousands of military bases and facilities, billions of units of various weapons and providing reserves as well as hundreds of thousands of military enterprises, which continually produce, serve and improve weapons during centuries (cluster of material resources).

The military front is guided false militaristic ideology: "If you want peace – prepare for war" or "If you do not feed your army, you will feed someone else's army." Peace in the light of this militaristic doctrine is a part of the war, only break between wars and preparation for them. In the previous chapters was proved the falsity of this ideology, the alternative to which is GPS as a scientific doctrine of global peace. Its essence is the idea of Einstein: "*Peace*

cannot be kept by force; it can only be achieved by understanding" [104], i.e. only by mind, armed with the global peace science (GPS).

In the dynamics of its rapid development, the military front started to threaten in the second half of the 20th century destruction of all humanity in a nuclear clash of the most powerful nuclear powers. This clash makes little sense for any of national **military** defense and security. It transforms global military front **into the first threat to human existence**, depriving it of any positive meaning and **converts this front in the basic man-made (noospheral) destructive factor of life on Earth**. The only positive meaning, which is behind it – is enormous war profits of military corporations by continuously expanding production of weapons. **Only a narrow but powerful military-industrial and financial elite is interested in the infinite existence of humanity military front and no one else**. Pope Francis Condemns Wars and this elite saying: *"Those who promote wars are not concerned with the defense of their own people but with the making of more and more money. Many powerful people don't want peace because they live off war"* [105].

The threat of nuclear war and global nuclear collision occurred 70 years ago, in 1945, after creation of the USA atomic bomb and its first test on humans in the atomic bombings of Hiroshima and Nagasaki in August 1945. Their population, more than 200 thousand people, became the first victim of global military (militaristic) front led by the US. Since then, contrary to all the countless attempts to free from the nuclear threat or even somehow limit it, it shows steady tendency of growth and qualitative renovation. This trend confirms the test of its new model in the US, Nevada, July 1, 2015 through the bomber F-15E *"in order to develop the possibility of using the atomic bomb V61-12 with NATO fighter-bombers stationed in Europe"* [106]. **This test was carried out despite international prohibitions and aimed against Russia and China, which are forced to respond adequately**. The nuclear weapons reached fantastic levels of scientific perfection in its production, dissemination and delivery to any area that allows overcoming any lot echelon system of national defense and security making them meaningless.

Evolution of military front led it to self-denial. From an instrument of national defense and security, **it became the first instrument of global self-destruction, from which there is no military defense and security at any one country**. The military way of defense and security is a dead-end, senseless and self-destructive path, denying self and transforming humanity in its sacrifice. It foresaw the famous American thinker Fuller: *"We are called to be architects of the future, not its victims"* [107]. The military front able to make humanity a victim following behind the victims of Hiroshima and Nagasaki but it is absolutely not able to make it the architect of global peace, life and prosperity of all the peoples in the 21st century.

Self-negation of military front has that deep positive sense that it proves in the best manner **that the absolute defence, protection and security of each country and each person can only give global peace from harmony with the general and complete disarmament**. But global peace as absolute protection and security is devoid of any resources: **their comparison with the military resources (above) shows that peace resources are virtually nil in all clusters**. Global peace devoid of any institutional forces, institutions, infrastructure and financing, with the exception of isolated enthusiasts-peacemakers, their fragmented organizations, their volunteer work and their **miserable in size but great in sense** donations to peace. That global peace as absolute protection and security has evolved from a chimerical fantasy into the real force capable nonviolently to resist and defeat global military front, **it must acquire and embody into a more powerful global peacebuilding front of humanity in the 21st century with its science, infrastructure, financing and leadership**. This will be **the second front for the defense and security of each country after the military front, the second on time of origin in more than two centuries after the military front but it is the first and single front to achieve absolute protection and security in global peace**. Only

peacebuilding front with adequate infrastructure, uniting on the GPS base the four clusters of resources can provide absolute protection and security of every country and every person in global peace from harmony.

For appearance of the peacebuilding front **primarily requires two key resources of its infrastructure: 1. Global peace science (GPS) and 2. Global leader.** GPS in the first version was created first in 10 years in the GHA and presented in this book. GPS identified actors – SPHERONS, their laws, values/principles, ways, institutions and roadmap of global peace together with them. GPS has created a broad panorama of scientific sociological imagination of global peace in the 21st century in its basic parameters, dimensions and directions. **This scientific vision acceptable to all peoples and countries, as it serves to their absolute protection and security.** Only people with a misanthropic ideology like Nazism, the reckless and suicides may object to it, which include narrow military-industrial and financial elite who receives benefits from the infinite totalitarian reign of global militarism as a constant threat to life and security of every country and every person. It's all clear.

The second necessary resource of key importance to peacebuilding front is its global leader, able to unite, organize, finance and manage all of its actions in all directions of peacebuilding. **Only in this case the peacebuilding front will be able to advance and win nonviolently military front in all peacemaking "battles."** Humanity knows and everyone intuitively and personally feels the **global military leader – a militaristic block US/NATO,** about which much has been said before, but scientific evidence and detailed illustrations of this fact is shown in the following, the 9th chapter. It is much harder to determine the leader of peacebuilding front, which does not yet exist and peacemaking leaders of which do not show themselves, expressing the peaceful aspirations only occasionally and unsystematic. To such peacemaking countries-leaders are primarily BRICS countries (Brazil, Russia, India, China and South Africa), **which recognized the "international peace and security" as its top priority** [108]. Russian President Vladimir Putin in his final press conference at the BRICS summit on July 10, 2015 identified the peacefulness, tools and ultimate goals of the BRICS:

*"We'll use all instruments of cooperation with all countries ... primarily develop relations with those countries that want to cooperate with us. The BRICS countries ... are powerful states with a strategic prospect of development. They are leaders – the future leaders of the world and the global economy. Look at their human and natural resources and potential; look at their growth rates. So I'm confident that new instruments of cooperation will appear. They will have a favourable influence on the citizens of our countries and **we'll live in a world that will be more balanced, more safe and prosperous**"*[109] (emphasis added – L.S.).

GPS arms BRICS as the most probable global and collective leader of the peacebuilding front with a key tool for the scientific understanding of its peacemaking mission until the 21st century end. At the same time, GPS opens all nations and countries the conscious and democratic way of joining the BRICS and its "second" peacebuilding front. **This front under the BRICS leadership will ensure global peace as the full and non-violent security, social harmony (balanced world) and prosperity for all countries and peoples.** The peacemaking front uniting all peace-loving countries around the BRICS cooperates with all countries, without exception but actively and nonviolently opposes by all legitimate means to any war, armed conflict, aggression, militarist alliance and militarism in a whole, contrasting them the peace projects, initiatives and actions as the only acceptable alternatives.

We see no other international organization, except BRICS, which is able "to arm" with GPS to lead the global peacebuilding front and become its leader in the 21st century. The UN cannot fulfill this mission, for the reasons discussed above (para 18 and 19). Only peacebuilding front led by BRICS is able to realize the great dream of Martin L. King Jr. **"shift the arms race into a peace race"** [110] and make humanity architect, not a victim of the future.

The military front and its leader – the US/NATO makes him a victim, and peacebuilding front and its leader – BRICS make it an architect. **Confrontation and nonviolent struggle of these global fronts, the victory of the peacebuilding front ultimately constitute the main meaning of human history in the 21st century.** The nonviolent struggle disarms and neutralizes the military front, transforming it into peacebuilding front in result. The struggle for peace, on the one hand, and the struggle for war, on the other hand, will determine **the future of humanity: life in peace or death in the war.** This contradiction requires the intensive, accelerated development of peacebuilding front, which lags behind the military front for almost two centuries, is, in fact, in lethal condition or in a century coma, deprived of its own science, infrastructure, financing and organizational center. **History created BRICS for revival, de facto, – for the new birth of global peacebuilding front through GPS to fulfill the most humane, life-saving and rotary mission of mankind in the 21st century.**

The primary tasks of the BRICS as a leader of peacebuilding front are:

1. Create in each government of BRICS the Peacebuilding Department (para 3.), which all together constitute the Joint (International) Headquarters of the second front, which will be the first practical proof of BRICS peaceful intentions;

2. Establishment of the International Academy of Global Peace (para 4.) in one of the countries, such as Russia or India for scientific maintenance of all the actions of this front;

3. Definition of a modern militaristic front, its leader and scope of its threats to global peace and security of all countries, to what Chapter 9 is dedicated.

Other functions and tasks of the peacebuilding front leader are presented in general terms in its Road Map (para 24.), and its more detailed substantiation is in Chapter 10.

The theory of two fronts of security, an essay of which is presented in this paragraph, is a continuation and development of the theory of SPHERONS and PARTONS in GPS and philosophy of peaceful human nature, disclosed in Chapter 1. The two fronts pass through each country, nation, community and each person acquiring different weights in them and determining their peaceful or militaristic quality on priority of one from them. Therefore, the two fronts theory in GPS a philosophical and sociological theory, which is presented at this stage only in relation to the leadership issue in global peacebuilding. In the following steps, it requires a more detailed and large-scale development.

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26. Integral Energy Index:

Exit from the Financial Crisis and Tool of Global Peace. *Alexander Chechik*

One of the key challenges of Global Peace Science (GPS) is creation of statistical tools of harmonious balanced world economic growth, free from the global crises that provides peace. The reasons for the current financial and economic crises, paradigms that should be the basis of effective decision making to overcome it, the models of post-crisis world and the different scenarios for the future has become the subject of extensive and sharp debates. A key source of the crisis, imbalance and disharmony of the world economy is its feeding with unsecured financial instruments and speculative financial practices combined with economic incompetence of the populations, corruption of governments and ruling elites. The outcome is almost complete loss of proportional and agreed relationship between the prime cost of labor products and cost of all cash securities.

The cost of any manufactured goods is the amount of energy accumulated in the goods and services during the transformation of raw materials by human labor in the chain of energy amplifiers within flow of goods and services that meet the needs of civilization.

In accordance with the labor theory of Adam Smith (in the modern, more accurate its physical interpretation, the energy theory), the prime cost is determined by amount of energy used by people to produce the labor product that is **the prime cost can be expressed in physical units of energy e.g. ergs, or kilowatt-hours.** On this basis, the new value indicator can be formed to determine the effectiveness of economic development of countries: **Single Energy Meter/Index** [111]. Using appropriate statistical

indicators of real energy consumption in industries and spheres of social production allows to create credible global and local econometric models.

The energy complexes of each country are multiple open systems containing a number of sub-systems of industries producing energy, as well as branches and spheres of production making up society, which ensure useful consumption of these resources and dissipation of energy. A complex of multiple open systems of energy determines the efficiency and balance of economies and global society as a whole. Single-purpose energy meter in interaction of economies around the world in its globalization will provide the replacement of currency exchange by the objective and easily measured index.

Scientific substantiation of this index are the following laws: Victor Akunov's – Self-organization of complex systems [112] and Ilya Prigogine's – Self-organization in non-equilibrium systems [113; 114], which allow us to generalize the various manifestations of evolution of systems and interprets it as oscillatory process and describe its statistical series, without resorting to the time parameter. This method can be described as "adaptive modeling" and can be used for prediction and balanced development of energy systems and thus the economies of various countries and the world as a whole.

At analyzing the complex energy systems and subsystems with a rather long history of their development it is supposed their initial quasi-optimal states, which can be estimated by our proposed integrative (generalizing) metric – kilowatt-hour.

The need for balanced development of the world economy grows with as natural resources of the Earth become more limited. Transition to high-tech methods of production while sustaining a viable ecological environment requires harmonization of the way of life of the world countries and their relationships, including the production, distribution and consumption of energy. Holistic theoretical picture of sustainable production and consumption of resources in global society – SOCIONOME, in which fits well the proposed universal energy index as a tool for social harmonization, presented in "*The ABC of Harmony*" GHA [10] forming the scientific basis of GPS [82]. Great importance for quantifying the energy index is "*Mathematics of Harmony*" by Alexei Stakhov [115] and the theory of "*Structural harmony of systems*" of Eduard Soroko [116].

Considering the global crisis, primarily as a lack of the real integrative index, which should determine the effectiveness of a market economy, **global energy index will be in GPS an instrument for global peace and overcoming the global financial and economic crises. It provides a single criterion for assessing the level of economic development in all countries, preventing economic conflicts and growing tension between them as a necessary factor for global peace.** However, until now, the US government and the EU are looking for other, aggressive ways to overcome the crises as in Ukraine and elsewhere, ignoring the GPS laws and tools of global peace and remaining ignorant in them. The proposed index reveals previously unknown perspectives for global economic growth in the world [117], providing a harmonious and balanced development of the world economy through a new statistical metric.

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SECTION 3
Evolution of Global Peace and Consciousness.
Turn from Military to Peaceful History

Chapter 9
Truth about the US/NATO War Axis as Main Threat, Obstacle and
Enemy of Global Peace: Panoramic Picture in Mosaic of the Proofs.
Militaristic America through the Eyes of Americans

Now I am become Death, the destroyer of worlds.
Bhagavad Gita [1]

*The greatest purveyor of violence in the world:
My own Government, I cannot be silent.*
Dr. Martin Luther King, Jr.

*In the war hands are billions of money,
millions of obedient troops and in our hands is only one,
but the mightiest tool in the world – the truth.*
Leo Tolstoy

The United States is self-immunized from any prosecution.
Noam Chomsky

*“Washington is the Enemy of all Humanity” and
“Putin saves the world from nuclear war by
not being provocative.”*
Paul C. Roberts

*Many powerful people don't want peace
because they live off war.*
Pope Francis

1. Who is Guilty in Wars and their Constant Threat Today? What to do?

Leo Semashko

In previous chapters, we examined the natural sources and actors of global peace – SPHERONS, as well as peace overall architecture in its fundamental blocks: laws, principles / values, ways and institutions of conscious building global peace of SPHERONS based on the relevant scientific knowledge – GPS. Any science, especially social, in analysis of the historical objective reality must ask, sooner or later, the question: **what or who is responsible for the existence and strengthening of circumstances that threaten to destroy humanity?** What or who is primarily responsible for this deadly threat for people? What are the objective facts and the real historical trends of recent time, which undoubtedly point to specific source of the threat and actor of this threat to any human life?

Science, which has claimed responsibility be called "Global Peace Science" (GPS) to find and investigate the causes and actors of this peace, by definition, has no right to evade from the

raised issues, like an ostrich digs his head in the sand. To answer them, **GPS states axiom: until SPHERONS have no established scientifically conscious global peace for all humanity, until there will be exist two spontaneous, opposing global axes, camps, parties or blocs, submitted by the PARTONS (countries, nations and governments): peace axis and war axis.**

Both axes are two groups of countries, which were formed historically and are expressed by relevant PARTONS as actors (chapter 1). One of them represents a global trend of war or the trend of global war and is its actor. It is global aggressor. The other represents a global trend of peace or the trend of global peace and is its actor. It is global peace builder.

PARTON and the war axis since 1945, the main source of nuclear war since the atomic bombings of Hiroshima and Nagasaki **are the US Empire, along with the European Union since 1951 and NATO**, which USA created in Europe in 1949 as the Pentagon military unit. We denote this **axis/PARTON briefly as the US/NATO or the USA**. NATO is the US Army in Europe for global destination and using practically all over the world in all US military operations. Globalization of NATO as globalization of militarism and aggression is a proven fact [2]. "*NATO is a US-run intervention force to control world*" Noam Chomsky tells [2a]. Through NATO the US internationalizes its indomitable militarism during 70 years. This chapter is devoted to proof aggressiveness of this global militarist axis, its self-denial, degradation and inevitable death in the 21st century.

PARTON and the peace axis are the BRICS countries since 2005, together with all peace-loving global community. We denote this axis/PARTON briefly as **BRICS/Community or BRICS**. **Its historic mission is to prevent nuclear war, fulfill general and complete disarmament and ensure non-violent victory of peace over war in the 21st century through global Gandhi resistance based on GPS**. The next, tenth chapter is devoted to proof peacefulness of this axis, its advanced social and economic growth and the inevitable non-violent victory of peace over war. From the outset, BRICS clearly proclaims its priority: "*To Strengthen International Peace and Security*" [3].

We extend here a general characterization and evaluation of the war axis. In this chapter evidence that the main obstacle and major threat to global peace, hence to life of each individual and humanity as a whole is the US Empire along with its military appendage in Europe – NATO will be given. **Military axis of the US/NATO is militaristic expression of Western civilization, the main threat, obstacle and enemy of global peace in the 21st century, as well as a major source of global nuclear war**, disastrous for humanity.

Especially dangerous for world peace and world security is the US government ratio to atomic bombings of Hiroshima and Nagasaki in August 1945. It makes them a matter of national pride, creating their museums, praising their "heroes", producing test of the new atomic bombs in their honor as in Nevada July 1, 2015 and placing these bombs in Europe. For 70 years the USA have not repented and have not abandoned them, reserving for itself the exclusive right to the new atomic bombings of other cities and countries. This makes the US the first source of the global nuclear threat today. The world community cannot ignore this 70-year-old fact. It should initiate through the UN holding the USA referendum about "*The US government repentance for the atomic bombings of Hiroshima and Nagasaki in August 1945 and their exclusion up to complete nuclear disarmament*". This referendum is global importance, not only national as it regards to international security. This referendum will also be a democratic and legitimate basis for all nuclear disarmament and the WWII final. The peoples of all countries support its holding in each of them if the US Congress will reject it.

Japan, as the victim and the most interested country in the US repentance for atomic bombings could be the first to host a similar referendum at itself to push the US government. There is no doubt that the peoples of Japan and the US, like any other people, will vote for repentance as a denial of similar bombings and all wars. The results of these

referendums will show the US **that they lead 70 years the aggressive policy contradicting the interests of the world peoples**, including the interests of the American people. Therefore, this policy was and is **illegitimate and anti-democratic, hence, crime and violation of all human rights**, particularly the right to life.

Russia and the BRICS countries, with their priority of peace, together with the affected Japan, could initiate this referendum through the UN. They can create for this joint Committee and the Peacebuilding Agency in their governments, about which in the US say 200 years but cannot establish until now. Russia and BRICS could also hold a similar referendum in their countries, that would be a sign of their solidarity with Japan, confirmation of their love of peace and the strengthening of peacemaking spirit of their peoples that has a large international and domestic importance for national consent in each country.

The US/NATO military Empire has world's most powerful military-industrial complex and almost 75% of all the armed forces, defense budget and weapons, including nuclear capable to realize the threat of total annihilation. This empire, ignoring peaceful means and the people's desire to peace and harmony, constantly pumps arms race, continually at war with one or other "undesirable" countries, and it behaves itself in a permanent military readiness to unleash a new world war, which is able to deprive of every person and of all humanity in a whole hope of survival. Therefore conclusion **that the US/NATO is the main threat, obstacle and enemy of global peace in the 21st century is necessary**.

This and other conclusions, without exception, are put forward and confirmed by the authors of Chapter 9, which is composed of almost 60 articles with proofs and testimonies of independent experts, mainly from the US and a few of other Western countries, who cannot be accused in bias or non-patriotism. Therefore, these findings are objective and **GPS only fixes them** in a certain order in the ninth chapter structure. No one can accuse GPS in bias and partiality. GPS is objective in all respects, including relation to the US Empire.

All of aggression and militarism of the West are concentrated in the US empire as the EU and NATO have no independent value as the USA vassals (see below). Therefore, we often say the USA instead of the US/NATO/EU. Western civilization, unlike other civilizations – Indian, Chinese, Russian, African, Japanese, etc., in its historic mainstream showed its ineradicable militarism in continuous wars, in military science created more than two centuries ago, in a constant arms race. The US pleaded nuclear war, which excludes the survival of humanity (see below). The West nurtured this main threat to world peace and humanity, starting with the atomic bombings of Hiroshima and Nagasaki. The West threatens all other civilizations: only it leads wars in almost all parts of the world within the past 70 years after WWII that is illustrating by chapter 9. One of its generalizations emphasizes: "*The Federation of American Scientists has cataloged nearly 200 military incursions since 1945 in which the United States has been the aggressor*" [4].

To the USA does not belong any one major peace initiative since 1945 but each of the last 70 years they have started a new war or continued the past aggressions that shows their history (see below). The US/NATO military bloc in fact declared war on Russia (Resolution 758, US Congress, December 2014 – below), surrounded Russia and China by more than 800 military bases with nuclear weapons and placed troops on the borders of these countries. It continues to improve its nuclear weapons, which confirms the new atomic bomb tested in Nevada July 1, 2015. These and many other facts from American sources, collected in this chapter, force to make the honest experts one conclusion: the USA is "*the greatest threat to humanity*" [5].

All that speaks and writes the official, governmental West about other civilizations, with rare exceptions of honest experts is a big lie, created and used as a pretext and justification for its aggression, as it was earlier with Korea and Vietnam, then Iraq and Libya, and now with Russia. This lie is exposed in the articles published below as the militaristic propaganda to

justify the aggressive intentions and actions. West in the face of US/NATO has become in the last 70 years "*death and the destroyer of worlds*" by definition of Robert Oppenheimer [1].

The West at dawn of industrial civilization has destroyed the worlds of different civilizations in both Americas within genocide of tens of millions of indigenous people. In the 18–19–20 centuries West colonized much of Africa, destroying or undermining the main African civilizations. In the early 21st century, the West through its militaristic block US/NATO destroyed the worlds of Iraq and Libya, creating in them the chaos, terrorism, uncontrolled massive flow of refugees to Europe and the extreme terrorist movements and the states, such as ISIS, Boko Haram, Taliban and other, purpose of which is freedom from the Western way of life in their territories. **They are the result of the US/NATO militaristic infection.** This is supported by studies of honest Western scholars and journalists, published in this chapter with some cuts and underscores.

GPS must be firm and consistent science having the intellectual courage to define the main threat and obstacle to global peace today, as it historically was not too late. GPS must not only answer the question of who is blamed today in creating a deadly threat to mankind and every person **but also to determine the path of non-violent, peaceful overcoming the primary source of this threat** (Chapter 10). The only thing that GPS cannot afford – it is to justify the use of military and any violent means to overcome the source of deadly threats before it is inactive. However, if this source will start to operate and go to the military aggression, then **every victim has the right to use all means, including military, to protect themselves.** This is international law, which is the GPS law not requiring evidence and arising from human and any nation right to self-defense.

Thus, to overcome militarism and the threat of the US/NATO empire it is difficult to overestimate the revolutionary importance of GPS together with its fundamental discoveries of SPHERONS, SOCIONOME, S-matrix and others unique cognitive tools. They open the possibility for radical change of human history through replacement of militarist mindset to the GPS peaceful thinking of SPHERONS. These tools will ensure building global peace in the 21st century and "*shift of the arms race into a peace race*" as brilliantly foresaw Martin Luther King Jr. Their final outcome is a general and complete disarmament and the historic victory of peace over war. As Albert Einstein wrote, "*we shall require a substantially new manner of thinking if mankind is to survive.*" This is the GPS thinking.

Militarist mindset is hostile to peace and deprives humanity survival prospect. This perspective can provide only a peaceful mind and consciousness based on GPS. Therefore GPS is an alternative to nuclear war. GPS has intellectual potential not only to prevent it but also to provide up to the end of the 21st century complete disarmament and the historic victory of peace over war, i.e., the transition from the military past history to a peaceful future history without war. To this inexorable objective trend cannot prevent even the most powerful in the history militarist axis of the US/NATO, the years of which are counted. This is the historical mission and meaning of GPS.

Dr. Leo Semashko, GHA President, Editor in Chief of the book "*Global Peace Science*"

I. USA/NATO: "Greatest Threat to Humanity" (Zeese), "Politics of Genocide" (Herman) Approaching to Nuclear War

2. Biggest Threat to World Peace: The United States. Sarah Lazare

International polls shows that world, including significant portion of Americans, deem US as greatest obstacle to peace

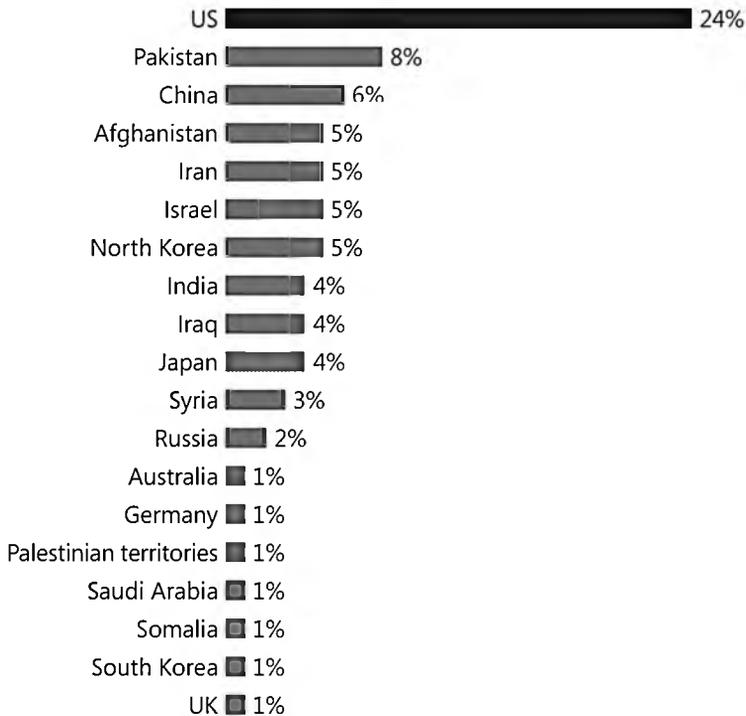
U.S. soldiers stop traffic on the road to the governor's compound in Kandahar, scene of a deadly battle on April 28, 2012 (Photo: AFP / Getty Images) Over 12 years into the so-called

"Global War on Terror," the United States appears to be striking terror into the hearts of the rest of the world.

In their annual End of Year survey, Win/Gallup International found that the United States is considered the number one "greatest threat to peace in the world today" by people across the globe.

The poll of 67,806 respondents from 65 countries found that the U.S. won this dubious distinction by a landslide, as revealed in the chart below.

Q: Which country do you think is the greatest threat to peace in the world today?



Source: WIN/Gallup International

The BBC explains that the U.S. was deemed a threat by geopolitical allies as well as foes, including a significant portion of U.S. society.

Predictable in some areas (the Middle East and North Africa) but less so in others. Eastern Europe's 32% figure may be heavily influenced by Russia and Ukraine, but across most of Western Europe there are also lots of figures in the high teens.

In the Americas themselves, decades of US meddling have left an awkward legacy. Its neighbours, Mexico (37%) and Canada (17%), clearly have issues. Even 13% of Americans see their own country as a danger [6].

Sarah Lazare, Common Dreams, staff writer, USA.

3. Insanity Grips The Western World. *Paul C. Roberts*

Just as Karl Marx claimed that History had chosen the proletariat, neoconservatives claim that History has chosen America. Just as the Nazis proclaimed "Deutschland uber alles," neoconservatives proclaim "America uber alles." In September 2013 President Obama actually stood before the United Nations and declared, "I believe America is exceptional."

Germany's political leaders and those in Great Britain, France, and throughout Europe, Canada, Australia, and Japan also believe that America is exceptional, which means better than they are. **That's why these countries are Washington's vassals. They accept their inferiority** to the Exceptional Country – the USA – and follow its leadership.

It is unlikely that the Chinese think that a handful of White People are exceptional in anything except their diminutive numbers. The populations of Asia, Africa, and South America dwarf those that comprise Washington's Empire. Neither do the Russians believe that the US is exceptional. Putin's response to Obama's claim of American superiority was: "God created us equal." Putin added: "It is extremely dangerous to encourage people to see themselves as exceptional, whatever the motivation."

If all countries are exceptional, the word loses its meaning. If America is exceptional, it means others are inferior for lacking this designation. Inferiors have less rights and can be bullied into submission or bombed into oblivion. The Exceptional Country is above all the others and, therefore, doesn't have to be concerned about how it treats them. Obviously, Americans and their vassals think America is exceptional as the millions of people murdered, maimed, and dislocated by Washington's wars in eight countries in the 21st century has not resulted in condemnation of Washington. Merkel, Hollande, Cameron and the puppets in Canada, Australia, and Japan still suck up, holding tight to Washington.

Instead, Russia and Iran, countries that, unlike the US, are not militarily aggressive, are portrayed in the White People's Media as threats and are condemned. The White Media claims, and has claimed since February 2014, that there are Russian tanks and troops in Ukraine. Putin has pointed out that if this indeed was the case, Kiev and Western Ukraine would have fallen to the Russian invasion early last year. Kiev has been unable to defeat the small breakaway republics in eastern and southern Ukraine and would stand no chance against the Russian military.

Recently a brave news organization made fun of the White Media's claim that Russian tanks have been pouring into Ukraine for 14 months. The parody pictured Ukraine at a standstill. All traffic on all roads and residential streets is blocked by Russian tanks. All parking places, including sidewalks and people's front and rear gardens have tanks piled upon tanks. The entire country is immobilized in gridlock. Although a few have fun making fun of the gullible people who believe the White Media, the situation is nevertheless serious as it concerns life on planet Earth.

There is little sign that Washington and its vassals care about life on Earth. Recently, the largest political group in the European Parliament—the European People's Party—expressed a cavalier opinion about life on Earth. We know this, because, if we can trust Euractive, an online EU news source, the majority EU party believes that declaring **the EU's readiness for nuclear war** is one of the best steps to deter Russia from further aggression: <http://www.unian.info/politics/1070675-meps-believe-eu-should-be-ready-for-nuclear-war.html>. The aggression to be stopped by Europe's declaration of its readiness for Armageddon is the alleged Russian invasion of Ukraine, and the "further aggression" is Putin's alleged intention of reestablishing the Soviet Empire. It must be disappointing to the Russian government to see that leaders of the European Union **prefer to endorse nuclear war than to challenge Washington's propaganda.**

When I read that the governing party in the European Parliament thought non-existent aggression had to be stopped by a declaration of readiness for nuclear war, I realized that money could buy any and everything, even the life of the planet. **The European People's Party is speaking in behalf of Washington's propaganda, not in behalf of Europe. Europe's nuclear war with Russia would end instantly with the destruction of every European capital.** The crazed vice-president of the European People's Party, Jacek Saryusz-

Wolski revealed who the real aggressor is when he declared: "Time of talk and persuasion with Russia is over. Now it's time for a tough policy."

Clearly, **the European Parliament is a great danger to life on the planet.** Is it realistic to think that Russia will allow herself to become a concubine of Washington? [7]

Dr. Paul Craig Roberts was Assistant Secretary of the Treasury for Economic Policy and associate editor of the Wall Street Journal. His latest book is *How America Was Lost*.

4. Obama Charged with 'Imperial Hubris' Unmatched Even by Bush

Jon Queally

Following his announcement to bomb Syria without congressional approval, president slammed for total disregard for constitutional safeguards regarding war-making.

President Obama told the American public on Wednesday night that he will order significantly expanded military operations against the Islamic State in the Middle East, including more U.S. troops to Iraq and a bombing campaign in Syria. Anti-war voices and progressive critics were thoroughly unimpressed with the announced strategy as they issued warnings of the disaster to come.

A day after President Obama told the American public he was preparing to bomb targets inside the sovereign state of Syria and that he did not need congressional approval to do so, critics are lashing out against what Bruce Ackerman, a professor of law and political science at Yale University, described as "imperial hubris" on Friday. In his scathing op-ed in the New York Times, Ackerman writes:

"President Obama's declaration of war against the terrorist group known as the Islamic State in Iraq and Syria marks a decisive break in the American constitutional tradition. Nothing attempted by his predecessor, George W. Bush, remotely compares in imperial hubris.

This became clear when White House officials briefed reporters before Mr. Obama's speech to the nation on Wednesday evening. They said a war against ISIS was justified by Congress's authorization of force against Al Qaeda after the Sept. 11, 2001, attacks, and that no new approval was needed.

But the 2001 authorization for the use of military force does not apply here. That resolution – scaled back from what Mr. Bush initially wanted – extended only to nations and organizations that "planned, authorized, committed or aided" the 9/11 attacks."

And Ackerman's not alone. Robert Chesney, a professor at the University of Texas School of Law, told the Daily Beast this week that Obama's claim of authority to bomb ISIS targets in Syria was "on its face" an "implausible argument."

"The 2001 AUMF requires a nexus to al Qaeda or associated forces of al Qaeda fighting the United States," explained Chesney, but "since ISIS broke up with al Qaeda it's hard to make" the case that authority granted by the AUMF still applies.

And as The Nation magazine's Zoë Carpenter reports:

The White House's dismissal of the need for congressional approval is also in conflict with positions Obama himself expressed as a presidential candidate. *"The President does not have power under the Constitution to unilaterally authorize a military attack in a situation that does not involve stopping an actual or imminent threat to the nation,"* Obama declared to The Boston Globe in 2008.

The situation in Iraq and Syria does not appear to meet that standard. Obama acknowledged on Wednesday that "[w]e have not yet detected specific plotting against our homeland." Meanwhile, intelligence sources say that the threat from ISIS has been grossly exaggerated. "It's hard to imagine a better indication of the ability of elected officials and TV talking heads to spin the public into a panic, with claims that the nation is honeycombed with sleeper cells, that operatives are streaming across the border into Texas or that the group will soon be spraying

Ebola virus on mass transit systems – all on the basis of no corroborated information,” former State Department counterterrorism adviser Daniel Benjamin told The New York Times.

While the administration’s current attempt to circumnavigate Congress is hypocritical as well as potentially illegal, it’s also consistent with the way Obama has exercised US military power before. As Spencer Ackerman notes, he’s extended drone strikes across the Middle East and North Africa; initiated a seven-month air campaign in Libya **without congressional approval; prolonged the war in Afghanistan; and, in recent months, ordered more than 1,000 troops back into Iraq.** Promises of no boots on the ground notwithstanding, Obama’s war footprint is large, and expanding [8]. **Jon Queally**, Common Dreams, staff writer, USA.

5. US Empire Reaches Breaking Point. “Greatest Threat to Humanity”.

Time to End it. *Kevin Zeese, Margaret Flowers*

The people of the United States must work to end the interventionist violence of the U.S. Empire. This is Part I of a two part series on American Empire. Part II will focus on the Empire Economy and how it is failing to work for most Americans as well as most people of the world.

The historian who chronicles US Empire, William Blum, issued his 130th Anti-Empire Report this week. In it he notes that the US, by far, is seen by the people of the world as **“the greatest threat to peace in the world today”** with 24% taking that view. Only 2% see Russia as such a threat, and 6% see China.

This should not come as a surprise since, as this map shows, much of the world has been bombed, had their democratically chosen government overthrown and has been occupied by the United States. Blum follows these interventions closely and has reported that since the end of World War II, the United States has:

- **Attempted to overthrow more than 50 foreign governments, most of which were democratically-elected.**
- **Dropped bombs on the people of more than 30 countries.**
- **Attempted to assassinate more than 50 foreign leaders.**
- **Attempted to suppress a populist or nationalist movement in 20 countries.**
- **Grossly interfered in democratic elections in at least 30 countries,** according to Chapter 18 of his book *Rogue State: A Guide to the World’s Only Superpower*.

It seems the people of the world are factually correct when **they label the United States the greatest threat to peace in the world.** Yet, despite this mass public opinion about the United States, US leaders seem oblivious. As Blum points out, Secretary of State John Kerry said: *“In my travels as secretary of state, I have seen as never before the thirst for American leadership in the world.”*

And, **potential future leaders show support for the path of military intervention.** The Republican Vice Presidential candidate in 2012, Paul Ryan (R-WI) said: *“We need to be reminded that the world needs American leadership.”* And the frontrunner for the Democratic presidential nomination, Hillary Clinton has said *“The United States can, must, and will lead in this new century.”*

A more accurate appraisal comes from **Rev. Dr. Martin Luther King, Jr. in the Vietnam era when he said: “The greatest purveyor of violence in the world : My own Government, I cannot be Silent.”** **The people of the United States must follow the lead of Dr. King and work to end the interventionist violence of the United States Empire. ...**

The horrible shooting down of a passenger plane seemingly by a missile is causing controversy now. We published two stories on the event, one from the NY Times and the other from Russia Today to show the stark contrast. RT reports that Kiev moved missiles that could shoot down a plane to the region and ten years ago shot down a Russian aircraft to demonstrate Kiev has the technology. This is not being reported in the US media which has ruled out the

possibility that Kiev fired the missile and is debating whether Russia or the Eastern Ukrainian separatists fired the shot.

Both Kiev and the Eastern Ukrainians have denied the shooting. Vladimir Putin has blamed the catastrophe on the ongoing attacks by Kiev against Eastern Ukraine and has urged a ceasefire, Obama joined in the call for a cease fire a day later. There have been aerial bombardments of Eastern Ukraine by Kiev. All the facts have not come in as we write this, so at this stage we just note the disparity in reporting. It would be wise not to make any assumptions but to wait for the evidence and certainly not use this as an excuse for direct involvement by the United States or escalation of hostilities. Putting in place a cease fire and finding a peaceful solution to the conflict is the approach we hope Ukraine takes.

Also notable is the lack of reporting on Ukraine. There are some incredible stories in the Russian media about atrocities being conducted by right wing extremists in Eastern Ukraine. We have not seen any western media deny the stories. One horrible story is of a child who was allegedly crucified by Ukrainian extremists while his mother was forced to watch and then she was dragged through the square by a tank until she died. Some describe what is occurring as genocide with the targeting of civilian buildings. International lawyer, **Francis Boyle, said in an interview that the US was aiding and abetting genocide.**

Iraq: After military attacks and economic embargoes of Iraq by Presidents George H.W. Bush, Bill Clinton, George W. Bush and Barack Obama, the country is a mess. The government is in chaos, a new Muslim group, ISIS (the Islamic State of Iraq and Syria), has taken many of the major cities by military force and there is talk of dividing the country into multiple parts. Obama has already sent hundreds of troops to Iraq, and Joint Chiefs of Staff Chairman, Martin Dempsey, has not ruled out a large US troop presence saying if “our national interests drive us there” we will send more troops. Too many in government do not realize that the cause of the problems in Iraq was the US invasion and occupation and that more of the same will not solve the problem, but is likely to make it worse. As Chris Hedges writes, **ISIS is “the final answer to the collective humiliation of an occupied country, the logical outcome of Shock and Awe...”**

We are pleased to see growing bi-partisan opposition to military involvement in Iraq by members of Congress who are urging Obama to get authorization from Congress as required by the Constitution. This letter, authored by Barbara Lee (D-CA) and Scott Regall (R-VA) ended up with 103 members of Congress signing on.

Once again the corporate media played its usual role of propagandizing Americans to drum up support for another war in Iraq. They consistently aired people who advocated prior attacks and occupations of Iraq while never allowing war opponents on the air. The media also exaggerates sectarian divisions, divisions the US made worse to control the population during the occupation. Despite mass propaganda, a majority of the American public oppose military intervention in Iraq and only 20% support it. ...

Is US Empire Collapsing? The US Empire is the largest in world history with more than 1,100 military bases and outposts around the world. To put that in perspective, compared to two other large empires, there were 37 Roman bases at that empire’s peak in AD 117 and 36 British bases at empire’s peak in 1898. Not only is the US Empire the largest in history but it has been the most destructive.

Each of the conflicts described in this article could escalate until a much larger war where US ground troops become enmeshed in war. **The faltering US economy can no longer afford the expensive US military. The people of the United States no longer support war and the people of the world are rebelling against US rule.** People are beginning to mobilize (see. e.g. World Beyond War) to finally put an end to US militarism and Empire [5].

Kevin Zeese, JD and Margaret Flowers, MD are organizers of PopularResistance.org; they co-direct It’s Our Economy and co-host Clearing the FOG, USA

6. America's Got War – Poverty, Drugs, Afghanistan, Iraq, Terror, or How to Make War on Everything. *William J. Astore*

War on drugs. War on poverty. War in Afghanistan. War in Iraq. War on terror. The biggest mistake in American policy, foreign and domestic, is looking at everything as war. **When a war mentality takes over, it chooses the weapons and tactics for you.** It limits the terms of debate before you even begin. It answers questions before they're even asked.

When you define something as war, it dictates the use of the military (or militarized police forces, prisons, and other forms of coercion) as the primary instruments of policy. **Violence becomes the means of decision, total victory the goal.** Anyone who suggests otherwise is labeled a dreamer, an appeaser, or even a traitor.

War, in short, is the great simplifier – and it may even work when you're fighting existential military threats (as in World War II). But it doesn't work when you define every problem as an existential one and then make war on complex societal problems (crime, poverty, drugs) or ideas and religious beliefs (radical Islam).

America's Omnipresent War Ethos. Consider the Afghan War – not the one in the 1980s when Washington funneled money and arms to the fundamentalist Mujahideen to inflict on the Soviet Union a Vietnam-style quagmire, but the more recent phase that began soon after 9/11. Keep in mind that what launched it were those attacks by 19 hijackers (15 of whom were Saudi nationals) representing a modest-sized organization lacking the slightest resemblance to a nation, state, or government. There was as well, of course, the fundamentalist Taliban movement that then controlled much of Afghanistan. It had emerged from the rubble of our previous war there and had provided support and sanctuary, though somewhat grudgingly, to Osama bin Laden.

With images of those collapsing towers in New York burned into America's collective consciousness, the idea that the U.S. might respond with an international "policing" action aimed at taking criminals off the global streets was instantly banished from discussion. What arose in the minds of the Bush administration's top officials instead was vengeance via a full-scale, global, and generational **"war on terror."** **Its thoroughly militarized goal was not just to eliminate al-Qaeda but any terror outfits anywhere on Earth,** even as the U.S. embarked on a full-fledged experiment in violent nation building in Afghanistan. More than 13 dismal years later, that Afghan War-cum-experiment is ongoing at staggering expense and **with the most disappointing of results...**

And just to set the record straight, President Obama, too, accepted the preeminence of war in American policy in his 2009 Nobel Prize acceptance speech in Oslo. There, he offered a stirring defense of America's role and record as "the world's sole military superpower":

"Whatever mistakes we have made, the plain fact is this: the United States of America has helped underwrite global security for more than six decades with the blood of our citizens and the strength of our arms. The service and sacrifice of our men and women in uniform has promoted peace and prosperity from Germany to Korea, and enabled democracy to take hold in places like the Balkans."

It was a moment that defined the Obama presidency as being remarkably **in tune with America's already omnipresent war ethos.** It was the very negation of "hope" and "change" and the beginning of Obama's transition, via the CIA's drone assassination program, **into the role of assassin-in-chief.**

Everything Is Jihad. Recent American leaders have something in common with their extremist Islamic counterparts: all of them define everything, implicitly or explicitly, as a jihad, a crusade, a holy war. But the violent methods used in pursuit of various jihads, whether Islamic or secular, simply serve to perpetuate and often aggravate the struggle.

Think of America's numerous so-called wars and consider if there's been any measurable progress made in any of them. Lyndon Johnson declared a **"war on poverty" in 1964**. Fifty-one years later, there are still startling numbers of desperately poor people and, in this century, the gap between the poorest many and richest few has widened to a chasm. (Since the days of President Ronald Reagan, in fact, one might speak of a war on the poor, not poverty.) **Drugs?** Forty-four years after President Richard Nixon proclaimed the war on drugs, there are still millions in jail, billions being spent, and drugs galore on the streets of American cities. **Terror?** Thirteen years and counting after that "war" was launched, terror groups, minor in numbers and reach in 2001, have proliferated wildly and there is now something like a "caliphate" – once an Osama bin Laden fantasy – in the Middle East: ISIS in power in parts of Iraq and Syria, al-Qaeda **on the rise** in Yemen, Libya destabilized and divvied up among ever more extreme outfits, innocents still dying in U.S. **drone strikes**. **Afghanistan?** The opium trade has rebounded big time, the Taliban **is resurgent**, and the region is being destabilized. **Iraq?** A cauldron of ethnic and religious rivalries and hatreds, with more U.S. weaponry on the way to fuel the killing, in a country that functionally no longer exists. **The only certainty in most of these American "wars" is their violent continuation, even when their original missions lie in tatters.**

The very methods the U.S. employs and the mentality its leaders adopt ensure their perpetuation. Why? Because drug addiction and abuse can't be conquered by waging a war. Neither can poverty. Neither can terror. Neither can radical Islam be defeated through armed nation building. Indeed, radical Islam thrives on the very war conditions that Washington helps to create. By fighting in the now familiar fashion, you merely fan its flames and ensure its propagation.

It's the mindset that matters. In places like Iraq and Afghanistan, places that for most Americans exist only within a "war" matrix, the U.S. invades or attacks, gets stuck, throws resources at the problem indiscriminately, and "makes a desert and calls it 'peace'" (to quote the Roman historian Tacitus). After which our leaders act surprised as hell when the problem only grows.

Sadly, the song remains monotonously the same in America: more wars, made worse by impatience for results driven by each new election cycle. It's a formula in which the country is eternally fated to lose.

True change often begins with confession. With humility. With an admission that not everything is within one's control, no matter how violently one rages; indeed, **that violent rage only aggravates the problem**. America needs to make such a confession. Only then can we begin to wean ourselves off war [9].

William J. Astore, a retired lieutenant colonel (USAF), edits blog *The Contrary Perspective*, USA.

7. Shrinking the Empire: A Session on the Imperial Couch. *Tom Engelhardt*

"American Empire" has been wondering whether it might be an addict. [What follows is a transcript of a therapy session between the American Empire and a psychiatrist whose name we at TomDispatch have agreed not to disclose. Normally, even in an age in which privacy means ever less to anyone, we wouldn't consider publishing such a private encounter, but the probative news value of the exchange is so obvious that we decided to make an exception. The transcript has been edited only for obvious repetitions and the usual set of "ums" and "uhs." Tom]

Doctor: Would you like to tell me why you're here?

American Empire: Well, Doc, I'm feeling a little off. To tell you the truth, I'm kind of confused, even a little dizzy some of the time.

Doctor: When did you first experience symptoms of dizziness?

AE: I think it was all the pivoting that did it. First I was pivoting out **of Iraq**. Then I was pivoting out **of Afghanistan**. Then I was pivoting **to Asia**. Then I was secretly pivoting to **Africa**. Then all of a sudden I was pivoting **into Iraq again, and Syria, and Afghanistan**, and... well, you get the picture.

Doctor: And this left you...?

AE: Depressed. But Doc, there's a little background you need to know about the dizzying nature of my life. **For almost 50 years – this was in the last century – I was in the marriage from hell. My partner, the Soviet Union, was a nightmare.** I mean, we had a brief sunny courtship when we were more or less in love, but that only lasted the length of World War II. The minute I got home from the front, it was hell, and I'm hardly exaggerating if I tell you that, when we got to fighting, it was scorched Earth all the way. We regularly threatened to annihilate each other. It was one of those stormy relationships you could never predict in advance where this planet just isn't big enough for the two of you.

In our worst moments, I used to fantasize about the Soviet Union being obliterated, simply disappearing from the face of the Earth, but it was a fantasy, nothing more. Never in my wildest dreams did I expect to be free. Not in my lifetime. **Then one day as 1990 ended, like some unexpected miracle, it happened. Poof! The Soviet Union was gone.** I was alone and the Earth was my playground – or so it seemed.

Doctor: Do you feel that it went to your head?

AE: It would have gone to anybody's head. I mean, people were saying the most complimentary things about me all the time. **They were calling me the “sole superpower,” or the planet's only “hyperpower,” or its “global policeman,” or...** well, I don't want to go on about it, but sure, it went to my head. How would you feel if you overheard people saying that **there had never been an empire like yours in all of history** that the Romans and the Brits were pikers by comparison?

And when I looked around the planet, it seemed true. There weren't any enemies worthy of me. **I mean, North Korea, Iraq, and later scattered groups of jihadis?** Can you blame me if it went to my head? I suppose I should have left well enough alone. After all, I was already a "superpower." You'd think I might have been satisfied, but that isn't imperial nature, is it? And to make matters worse, along came George W. (“bring ‘em on”) Bush, Dick (“the dark side”) Cheney, Donald (“sweep it all up”) Rumsfeld, Condi (“mushroom cloud”) Rice, and the rest of that crew. It was like being in Rome and hearing the announcer call out, “Batting cleanup, number four, Nero Claudius Caesar Augustus Germanicus.” I should have felt a shiver of fear. But when they explained their plans to me, they seemed so damn convincing. Loosing the U.S. military **to create a Pax Americana in the Greater Middle East, and then globally** – how could any of it has gone wrong? If you don't think I feel bitter lying here on this couch, you're no shrink. You wouldn't wish what's happened to me on some **two-bit rogue state.**

Doctor: It might be worth exploring that feeling of bitterness.

AE: Explore it? **That's a no-brainer. One day you're on top of the world.** You've just created the sort of surveillance state that would have left Joe Stalin drooling in his grave. You can listen in on a bunch of jihadis in the backlands of Yemen or the German Chancellor (which, by the way, isn't as thrilling you might imagine) or any American you want. You can send your drones anywhere and there's no one to stop you. You can rewrite the laws to suit yourself. You're this town's only sheriff, numero uno, the Big Dog. **And ten minutes later, nothing you do** – I mean nothing, nada, zilch – works, **not an invasion, not an intervention, not an occupation,** not even the simplest of helping hands, and suddenly you realize that you're down in the dumps and feeling kinda nostalgic for the old days when it was just you and the Soviet Union growling at each other.

Doctor: I'd like you to try to be more specific. Sometimes generalized complaints about one's state of mind aren't as useful as they should be. Give me an example and describe your feelings around it.

AE: You want an example? Gee, that's a tough one. I mean, let me think about that for minus one second. How about Iraq, for specifics? If I had told you, back in the two-superpower days, that **I was going to fight three wars in less than a quarter of a century in one country or that four presidents in a row would bomb one land, not a single American would have picked Iraq.** If it were 1980 and I made that prediction, you would have had me institutionalized. But here we are. And I just did it again. I sent in the bombers and drones and advisers and I'm about to train up another Iraqi army. At least the other two times, I thought victory was a given. This time... In 1991, I crushed them. **The greatest military power on the planet was up against a third-rate army and obliterated it in no time flat.** You're of an age. You must remember the victory parades. They were spectacular. And there was George H.W. Bush exclaiming that **we'd kicked the Vietnam Syndrome once and for all.** Who could forget it? But when the dust cleared, Saddam Hussein was still there. In 2003, no more messing around, we took Baghdad in about three seconds and sent Saddam into that spider hole in hell. **And then, it only got worse.** I mean, bitter? That's not the half of it. I know it's dangerous to self-diagnose, but I've been wondering whether I might be an addict. I just can't seem to stop. I know better now, but it never seems to matter. I

have to admit something, Doc. Before I came to you, I called Empires Anonymous. But their phone's been disconnected and e-mails bounce back...

Doctor: I want to point out that our time today is winding down. So let me just offer you a few initial suggestions for... [The recording of the session suddenly ends here.] [10].

Tom Engelhardt, co-founder of the American Empire Project, runs the Nation Institute's TomDispatch.com. His latest book is, *Shadow Government: Surveillance, Secret Wars, and a Global Security State in a Single-Superpower World...* Previous books include *The American Way of War: How Bush's Wars Became Obama's...*

8. The USA Hiroshima: Nuclear Threat to Humanity. GHA Message

Leo Semashko, Subhash Chandra. Teresinka Pereira

"The greatest purveyor of violence in the world:

My own Government, I cannot be Silent."

Rev. Dr. Martin Luther King, Jr.

Nuclear Age: Under the sign of death. The nuclear age begins on a quiet stretch of desert in Alamogordo, New Mexico on July 16, 1945, where the US government tested the first atomic bomb. On that day humanity took a long step on the road to its own demise.

Robert Oppenheimer, a principal scientist in the effort to create the atomic bomb, reported recalling this line from the Bhagavada Gita, *"I am become Death, the destroyer (shatterer) of Worlds."* Just three weeks after the first test, a second atomic bomb has been tested on human beings over the city of Hiroshima on August 6, 1945 and **Hiroshima became death**. Three days later, on August 9, 1945, and **Nagasaki became death**. Not Oppenheimer and its fellow scientists but **the US Government became death and destroyer of the worlds**.

In Hiroshima and Nagasaki the US Government being burned alive in a trice about 200,000 civilians – children, women and the elderly – without any military need and did not apologize even now, even after 70 years! It thinks the like is normal for itself in the future! This means that the US government reserves for itself the moral and legal (precedent) right to **burn alive in the nuclear fire any city, any country and humanity as a whole along with the planet also easily as Hiroshima and Nagasaki**. The US proved it with a new nuclear test July 1, 2015 in Nevada, violating all international laws. The newest test in the 70th anniversary of atomic bombings is **the USA devilish ridicule over the innocent victims of Hiroshima/Nagasaki and humanity in a whole within long 70 years and for the future**. Hence, the US is the greatest **nuclear threat to humanity** in the 21st century.

As we approach the 70th anniversaries of the August 6 and 9, 1945 U.S. atomic bombings of Hiroshima and Nagasaki, we have a unique opportunity to impact people's thinking, to educate them about the crime of the A-bombings and the continuing dangers of nuclear weapons, and to build the popular movement needed to eliminate the threat they pose to human survival. Among the dangers facing the environment, the possibility of nuclear war is undoubtedly the gravest.

Global Peace Science (GPS): Science of Peace, Full Security and Sustainability to Create a Nuclear Free World. GPS is the science of peace, security and sustainability from harmony. GPS is awareness for nuclear abolition and developing Nuclear Free World through harmonious education.

GPS is the GHA volunteering and social service, which is defined in the "GHA Humanity Charter" as the declaration of basic principles to build a just, sustainable and peaceful global society and harmonious civilization through the Gandhian's philosophy of Non-violence in the 21st century. GPS is the theory of key peacebuilding Institutions and Global Security Two Fronts. GPS is a revolutionary shift to "No Nukes! No wars!" GPS is Victory of Peace over War.

Global Harmony Association invites all the Social and Political leaders, Scientists, Educators, Peace & Human Rights activists, to join the revolutionary shift to “No Nukes! No wars!” To create a Nuclear Free World!

HIROSHIMA-NAGASAKI ALWAYS REMEMBERED by Teresinka Pereira.

It was the worse day
for humankind when
President Truman authorized
using the atomic bomb
against the people of Japan.
More than 140,000 people
died then and many more
died from the atomic radiation after it.
As it is not enough, the
United States of America
has 5,113 warheads prepared
to send any place in the world.
As it is not enough,
President Truman announced
in 1953 that the United States
has developed a hydrogen bomb.
From bad to worse, no president
of the United States has yet promised
to dismantle all of the atomic
and hydrogen bombs! [11]

See also: *The Politics of Genocide* [11a] and *On Western Terrorism: From Hiroshima to Drone Warfare* [11b; 11c].

Dr. Leo Semashko, GHA President, Russia

Dr. Subhash Chandra, GHA Secretary General, India

Dr. Teresinka Pereira, President, International Writers and Artists Association (IWA), Senator, Int. Parliament for Safety and Peace. **Address:** Toledo, Ohio, USA; **E-mail:** tpereira@buckeye-express.com
Web: <http://wps-poets.blogspot.ru/2007/05/teresinka-pereira.html>

9. “Deter, Deny and Defeat”: Pentagon [Mis]Labels Russia, China, Iran and North Korea as “Threats to Global Peace”. *Stephen Lendman*

The Pentagon’s new National Military Strategy (its first update since 2011) signaled possible major wars with US adversaries [12]. Washington named four nations threatening no others as major US security threats: Russia, China, Iran and North Korea – plus non-state groups like ISIS (without mentioning **they’re US creations**).

The document turns truth on its head blaming Russia for violating “numerous agreements” and “military actions.” It says Iran and North Korea seek nuclear weapons. Pyongyang may have them – for self-defense, not offense. **No evidence whatever suggests Tehran seeks them – now or earlier.** Plenty of evidence reveals otherwise. China is called a regional power challenging US hegemony. Pentagon strategy calls for “deter(ing), deny(ing), and defeat(ing)” nations it calls threats to US security, as well as “disrupt(ing) and degrad(ing) non-state groups.”

It says: “(n)one of these nations are believed to be seeking direct military conflict with the United States or our allies (but) pose serious security concerns which the international community is working to collectively address by way of common policies, shared messages and coordinated action.”

US Joint Chiefs Chairman General Martin Dempsey said American success: “*will increasingly depend on how well our military instrument supports the other instruments of national power, and how it enables our network of allies and partners.*”

The document states: “*today, the probability of US involvement in interstate war with a major power is assessed to be low but growing.*”

At the same time, so-called “hybrid conflicts” with non-state actors like ISIS, Al Qaeda, the Taliban and other US-created groups are likely to expand.

Post-9/11, Dick Cheney warned of wars not ending in our lifetime. Former CIA director James Woolsey said America “*is engaged in WW IV, and it could continue for years.*”

GHW Bush called it a “*new world order*” – **endless US wars of aggression for unchallenged global dominance**. The Pentagon’s 2006 Quadrennial Defense Review (QDR) called it the “long war” without end.

General Martin Dempsey says: America “*now face(s) multiple, simultaneous security challenges from traditional state actors and trans-regional networks of sub-state groups – all taking advantage of rapid technological change.*” “We are more likely to face prolonged campaigns than conflicts that are resolved quickly.” America’s military must remain “globally engaged” – **in other words, wage permanent wars of aggression against invented enemies driven by lunatics in Washington wanting all independent governments replaced by US controlled puppet ones.**

America intends “*to project power across all domains...act in concert with others...or unilaterally (as) the situation demands,*” the document states. US military strategy includes “*press(ing) forward with the rebalance to the Asia-Pacific, placing our most advanced capabilities and greater capacity in that vital theater.*” It remains committed to NATO allies and Israel’s security. Ashton Carter replacing Chuck Hagel as defense secretary in mid-February signaled more war besides ones America was waging before his appointment.

Obama’s naked aggression on Yemen followed weeks later. So did greater numbers of US combat troops operating in Iraq, continued bombing of its economic infrastructure on the pretext of attacking ISIS, and the same strategy ongoing in Syria – plus the Pentagon’s latest military strategy signaling endless US-initiated conflicts. In May, General Dempsey announced his retirement effective October 1. Marine Corp commandant General Joseph Dunford, Jr. will replace him. His nickname “Fighting Joe” signals continued endless direct and proxy aggression – always against invented enemies.

US strategy of permanent wars against one country after another threatening no one for objectives impossible to achieve – combined with outlandish fear-mongering, unaffordable long-term military spending, and homeland police state control indicate a nation in decline like all previous empires.

Policies pursued are unsustainable for the long haul. What can’t go on forever, won’t. It’s just a matter of time before America’s hubris and imperial arrogance become its undoing. What’s unknown is whether it’ll go with a bang or whimper. The former risks humanity going with it – **the curse of potential nuclear Armageddon** [13]. See more [14].

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**II. USA/NATO: “Death, the Destroyer of Worlds” (Oppenheimer);
“Western Terrorism: From Hiroshima to Drone Warfare” (Chomsky);
“Your Wars are the Cause of Global Terrorism” (Todenhöfer)**

10. The United States – in a Permanent State of War. *Albert A. Stahel*

Since its acknowledgement as an independent state in the Peace Treaty of Paris of 3 September 1783 the US have been at war. From 1801 to 1805 it waged the First Barbary war against Morocco, Algiers, Tunis and Tripoli. On 18 June 1812 the US declared war on Britain with the goal of conquering Canada. The war was ended on 24 December 1814 with the Treaty of Ghent. In 1815 the Second Barbary War against Algiers, Tunis and Tripoli followed. With the Removal Act in 1834 administration and congress passed the resolution **to relocate** all indigenous tribes in the east across the Mississippi. In 1838/39 the Cherokee from North Carolina were forcibly **expelled** to the Indian Territory, the later Oklahoma. At the same time, the war against the Seminoles in Florida was raging.

In 1845, the Republic of Texas, an internationally recognized State was annexed. With the war against Mexico from 1846 to 1848 California, New Mexico, Arizona, Nevada, Utah and parts of Kansas, Colorado and Wyoming were **conquered and annexed**. With one single stroke **Mexico lost half of its territory**. In 1853, Commodore Matthew Perry forced the opening of Japanese ports threatening them with his warships. In 1854 the Nicaraguan town of Greytown **was totally destroyed** by an attack of warships. The arrest of a US citizen served as a pretext. From 1861 to 1865 the Civil War raged. From 1862 to 1864 General Carlton subjected the New Mexico Indians. The Big Sioux uprising in Minnesota was **bloodily crushed** under Lincoln in 1862.

In 1864, a village of the Cheyenne **was extinguished** by Colonel Chivington at Sand Creek. From 1866 on until the **massacre** at Wounded Knee in the year 1890 Sioux and Cheyenne tribes were subjected in various campaigns and driven into reservations. In 1898, the war with Spain was allegedly triggered because of an explosion on a US warship before Cuba. After the destruction of the Spanish fleet, **Puerto Rico and the Philippines were conquered**. The US smashed the uprising of the Filipinos against the American occupation in a war that lasted from 12 June 1898 to 4 July 1902. On 12 August 1898 the islands of Hawaii, which had been an independent kingdom up to this time, **were annexed**. From 1903 to 1940 the US conducted **military interventions** in Honduras, Panama, the Dominican Republic, Cuba and Mexico over and again.

The series of wars continues up to this day. Since 2001 war has been raging in Afghanistan. With respect to time it is the longest war that the United States have waged since their independence. A new war is currently being prepared against Iran. The history of the United States not only shows a chain of official wars and interventions. So-called uprisings were indirectly supported and promoted by their CIA after 1945, as well. Only the support of the partisans in the Eastern European countries occupied by the USSR after 1945 and in the Soviet republics, are to be mentioned here. This “help” lasted until 1950.

A common characteristic of many of these wars is that the **US usually invaded a foreign country under a pretext and without a declaration of war**. By this procedure the actually valid International Law was often broken. **The violations of international law included the annexation of independent States**, such as Hawaii. In the course of their warfare, the US repeatedly violated the international laws of war, for example, the **genocide of their own indigenous population and the suppression of the Filipino uprising**. Likewise, in the Vietnam War 1964–1973, they violated the international laws of war. Kissinger’s 11-day war employing 200 heavy B-52 bombers against Hanoi and Haiphong at the end of December 1972 should be mentioned here. In 729 deployments 15,000 tons of bombs **were dropped** on these two cities!

In its short history, the United States proved to be a state that **does not hesitate to break international law and international laws of war**. Particularly against small countries, **the US have never shown any understanding and mercy**. With threats of war and by war itself these states were prostrated, humiliated and even annexed. Good relationships were never of long duration. International contracts – including the many with the indigenous population – **were again and again declared null and void and broken**. Of course, in each case **the blame on**

the war was shifted on to the others. On the basis of this approach in its brief history, the US **should be prosecuted** internationally nowadays [15].

Dr. Albert A. Stahel, Professor, Institute for Strategic Studies, Wädenswil, Switzerland.

11. Historical Tradition of American Empire War and Genocidal Crimes Against Humanity. *Joachim Hagopian*

America has been sending young men who answered its call into harm's way for the last two and a half centuries. Enslaving Africans and engaging in a genocide policy against Native Americans for three centuries, America's militant racist history was squarely founded on subjugation of darker skinned peoples. Only for a little more than a century has the United States not been actively pursuing a national policy of ethnic cleansing of America's first inhabitants. And when the still highly deplorable human conditions on tribal reservations today are taken into account with such extreme poverty, rampant drug and alcohol addiction and highest unemployment rates in America, **one might conclude genocide is still actively going on.** Canadian professor and philosopher John McMurtry concludes: "*The historical record demonstrates the US is provably guilty of continual lawless mass murder of civilians across the world.*" (See below)

Yet he adds that America's impunity is only maintained through mass deception, corporatized propaganda, physical coercion and extortion. This presentation is a chronicled account and overview of just how relentless and pervasive the US Empire's killing machine has been for as long as the United States has been an independent nation.

Inheriting its imperialistic Anglo Saxon blood from mother England and the longstanding British Empire, and armed from the beginning with its God sanctioned Manifest Destiny, to this day the United States upholds a long tradition of simply taking what it wants by hook or crook. Besides enslaving and ethnic purging through most of its history, America literally stole all its land from the indigenous population and then most of its western states and Florida from Spain, engaging in war and murder as its God given right as the erroneously, arrogantly perceived superior race and nation.

America's taste for war not even a century out from its independence imploded on itself with the Civil War fought between 1861–1865 when Americans massacred Americans racking up more deaths than any other war in its entire history at 620,000 men, comprising 2% of the total US population. When defining a casualty of war as a military person lost through death, wounds, injury, sickness, internment, capture or through missing in action, an estimated 1.5 million American citizens became Civil War casualties in that bloodiest four year war span in US history. It was not until the Vietnam War that all other US wars combined finally exceeded the American loss of life of the War Between the States.

The second bloodiest war for America came between 1941–1945 when 405,399 American lives were lost. The Second World War was the deadliest war in human history with over 60 million killed, over 2.5% of the world population. Deaths rose to 85 million from war related diseases and famine, including up to 55 of those 85 million innocent civilian casualties in what the US military coldheartedly refers to as "collateral damage."

The third largest American death toll from war was World War I costing 116,516 American lives and amassing a total of over 16 million deaths, marking it among the bloodiest wars in history. Between 1914–1918 seven million civilians died in "the war to end all wars."

In fact, **more than 91% of the time America has been in existence (specifically 217 out of its 238 years), Americans have been fighting and dying in wars around the world.** And America's recent war on terror perpetually assures that more Americans will only continue indefinitely coming home in body bags or missing limbs and body parts [16] ...

Joachim Hagopian is a West Point graduate and former US Army officer, writer, masters degree in Clinical Psychology

12. Never to Forget the 1999 US-NATO-EU Aggression against Yugoslavia.

The Final Document of the Belgrade International Conference, 23 & 24 March, 2009 [17].

The Belgrade Forum for a World of Equals, in cooperation with the other independent associations in Serbia and in coordination with the World Peace Council (WPC), held in Belgrade on March 23rd – 24th, 2009, an International Conference titled „Objectives and consequences of NATO Aggression against the Federal Republic of Yugoslavia (Serbia and Montenegro) – 10 Years After”.

The Conference **gathered some 700 scientists and experts** in the area of international relations **from Serbia and 45 countries from all continents**, except Australia. About 60 participants submitted their papers on various aspects of the aggression and ensuing developments.

Opening ceremony was attended by Prof. Slavica Đukić Dejanović, the Speaker in the National Assembly of Serbia, Mr. Petar Škundrić, the Energy Minister, as well as by the representatives of the Serbian Orthodox Church, veterans’, youth and other organizations.

Mr. Ivica Dačić, Deputy Prime Minister of the Government and the Minister of Home Affairs addressed the Conference and welcomed foreign guests on behalf of the Government.

The special participants of the Conference were Ms Socorro Gomes, the President, and Mr. Thanasis Pafilis, the Secretary-General, of the **World Peace Council**. The Conference was also attended by a number of ambassadors and senior diplomatic representatives accredited in Serbia.

The participants paid their respect to the victims **of the 78-day bombardment** and placed wreaths **at the monuments dedicated to the victims of the aggression**.

The debate was held in the spirit of friendship, openness and solidarity of all organizations and individuals struggling for peace, development and prosperity.

The participants of the Belgrade Conference agreed on the following:

NATO Aggression against Yugoslavia (Serbia and Montenegro) was an invasion that had been prepared long time in advance, with the following global goals: setting a precedent for military interventions worldwide; bringing American troops to the Balkans and **expanding NATO to the East; encircling Russia; changing the International Law Order established after Second World War by imposing the rule that might is right**; imposing neoliberal capitalistic system; weakening Europe and damaging the role of the United Nations. The ultimate goal has been to **reinforce the U.S. concept of unipolar world order for the purpose of establishing the control over all the economic, natural, and human resources of the Planet**. The extension of NATO in Europe and to other continents proves a will to become the gendarme of the multicorporate capital all over the world.

The aggression was preceded by **spreading lies and deceptions**, with the special role assigned to the thesis on „avoiding humanitarian catastrophe“, the mock negotiations in Rambouillet, and staged „massacre of civilians“ in Račak.

The aggression, coupled with its run-up and the aftermath, is evidence of a deep moral and civilization crisis of the ruling Western elites, whereas its blowback effect, ten years on, comes to haunt them as a profound global economic crisis whose end remains beyond the horizon. The leaders of the NATO countries are responsible for use of armed force **without the UN Security Council approval; for the breach of the United Nations Charter, the OSCE Helsinki Final Act, the Paris Charter and international conventions, in what amounts to the crime against the peace and humanity**.

They are responsible **for more than 3,500 deaths and for more then 10,000 wounded people, two thirds civilians, for the use of inhuman non-authorized weapons such as depleted uranium ammunitions and missile warheads as well as cluster bombs**.

They are also responsible for human losses and suffering in the meantime as the consequence of the aggression, for the lasting pollution of soil and water, as a consequence of the wide-spread use of depleted uranium projectiles and of the deliberate bombing of chemical

plants that amounted to chemical warfare. And they are responsible **for economic damage costing in excess of 100 billion USD**. Serbia is entitled to compensation for war damages.

USA/NATO/EU 1999 aggression was **the first war on Europe's soil after the World War Second**. It was not only a war against an old sovereign European state but primarily a **war against Europe**. Paradoxically, participated by Europe itself. It was conducted in the unique alliance between an international state organization (NATO) and the **notorious terrorist** organization (OVK/UCK).

The aggression was an historic mistake of the West which, sooner or later, will be recognized. Consequences of the aggression will extend throughout of 21st century. **The West owes to apologize to Serbia for all the victims and pains**, if not to face even deeper moral and overall crisis...

The process of deepening global economic crisis obliges the Non-Aligned Movement to strengthen unity in order to prevent the richest countries from, once again, passing the burden of the problems onto the underdeveloped world. The time is ripe for unity, accountability and action of all forces of and for peace, development, and equality...

13. How America Made ISIS. *Tom Engelhardt*

Whatever your politics, you're not likely to feel great about America right now. After all, there's Ferguson (the whole world was watching!), an increasingly unpopular president, a Congress whose approval ratings make the president look like a rock star, rising poverty, weakening wages, and a growing inequality gap just to start what could be a long list. Abroad, from Libya and Ukraine to Iraq and the South China Sea, nothing has been coming up roses for the U.S. **Polls reflect a general American gloom, with 71% of the public claiming the country is "on the wrong track."** We have the look of a superpower down on our luck.

What Americans have needed is a little pick-me-up to make us feel better, to make us, in fact, feel distinctly good. Certainly, what official Washington has needed in tough times is a bona fide enemy so darn evil, so brutal, so barbaric, so inhuman that, by contrast, we might know just how exceptional, how truly necessary to this planet we really are.

In the nick of time, riding to the rescue comes something new under the sun: the Islamic State of Iraq and Syria (ISIS), recently renamed Islamic State (IS). **It's a group so extreme** that even al-Qaeda rejected it, **so brutal** that it's brought back crucifixion, beheading, waterboarding, and amputation, **so fanatical** that it's ready to persecute any religious group within range of its weapons, **so grimly beyond morality** that it's made the beheading of an innocent American a global propaganda phenomenon. If you've got a label that's really, **really bad like genocide or ethnic cleansing**, you can probably apply it to ISIS's actions.

It has also proven so effective that its relatively modest band of warrior jihadis has routed the Syrian and Iraqi armies, as well as the Kurdish pesh merga militia, taking control of a territory larger than Great Britain in the heart of the Middle East. Today, it rules over at least four million people, controls its own functioning oil fields and refineries (and so their revenues as well as infusions of money from looted banks, kidnapping ransoms, and Gulf state patrons). Despite opposition, it still seems to be expanding and claims it has established a caliphate.

A Force So Evil You've Got to Do Something. Facing such pure evil, you may feel a chill of fear, even if you're a top military or national security official, but in a way you've gotta feel good, too. It's not everyday that you have an enemy your president can term a "cancer"; that your secretary of state can call the "face" of "ugly, savage, inexplicable, nihilistic, and valueless evil" which "must be destroyed"; that your secretary of defense can denounce as "barbaric" and lacking a "standard of decency, of responsible human behavior... an imminent threat to every interest we have, whether it's in Iraq or anywhere else"; that your chairman of the joint chiefs of staff can describe as "an organization that has an apocalyptic, end-of-days strategic vision and which will eventually have to be defeated"; and that a retired general and

former commander of U.S. forces in Afghanistan can brand a “scourge... beyond the pale of humanity [that]... must be eradicated.”

Talk about a feel-good feel-bad situation for the leadership of a superpower that’s seen better days! Such threatening evil calls for only one thing, of course: for the United States to step in. It calls for the Obama administration to dispatch the bombers and drones in a slowly expanding air war in Iraq and, sooner or later, possibly Syria. **It falls on Washington’s shoulders to organize a new “coalition of the willing”** from among various backers and opponents of the Assad regime in Syria, from among those who have armed and funded the extremist rebels in that country, from the ethnic/religious factions in the former Iraq, and from various NATO countries. It calls for Washington to transform Iraq’s leadership (a process no longer termed “regime change”) and elevate a new man capable of reuniting the Shiites, the Sunnis, and the Kurds, now at each other’s throats, into one nation capable of turning back the extremist tide. If not American “boots on the ground,” it calls for proxy ones of various sorts that the U.S. military will naturally have a hand in training, arming, funding, and advising. Facing such evil, what other options could there be? If all of this sounds strangely familiar, it should. Minus a couple of invasions, the steps being considered or already in effect to deal with “the threat of ISIS” are a reasonable summary of the last 13 years of what was once called the Global War on Terror and now has no name at all. New as ISIS may be, a little history is in order, since that group is, at least in part, America’s legacy in the Middle East.

Give Osama bin Laden some credit. After all, he helped set us on the path to ISIS. He and his ragged band had no way of creating the caliphate they dreamed of or much of anything else. But he did grasp that goading Washington into something that looked like a crusader’s war with the Muslim world might be an effective way of heading in that direction. In other words, before Washington brings its military power fully to bear on the new “caliphate,” a modest review of the post-9/11 years might be appropriate. Let’s start at the moment when those towers in New York had just come down, thanks to a small group of mostly Saudi hijackers, and almost 3,000 people were dead in the rubble. At that time, it wasn’t hard to convince Americans that there could be nothing worse, in terms of pure evil, than Osama bin Laden and al-Qaeda.

Establishing an American Caliphate. Facing such unmatched evil, the United States officially went to war as it might have against an enemy military power. Under the rubric of the Global War on Terror, the Bush administration launched the unmatched power of the U.S. military and its paramilitarized intelligence agencies against... well, what? Despite those dramatic videos of al-Qaeda training camps in Afghanistan, that organization had no military force worth the name, and despite what you’ve seen on “Homeland,” no sleeper cells in the U.S. either; nor did it have the ability to mount follow-up operations any time soon. In other words, while the Bush administration talked about “draining the swamp” of terror groups in up to 60 countries, the U.S. military was dispatched against what were essentially will-o’-the-wisps, largely representing Washington’s own conjured fears and fantasies. It was, that is, initially sent against bands of largely inconsequential Islamic extremists, scattered in tiny numbers in the tribal backlands of Afghanistan or Pakistan and, of course, the rudimentary armies of the Taliban.

It was, to use a word that George W. Bush let slip only once, something like a “crusade,” something close to a religious war, if not against Islam itself – American officials piously and repeatedly made that clear – then against the idea of a Muslim enemy, as well as against al-Qaeda and the Taliban in Afghanistan, Saddam Hussein in Iraq, and later Muammar Gaddafi in Libya. In each case, Washington mustered a coalition of the willing, ranging from Arab and South or Central Asian states to European ones, sent in air power followed twice by full-scale invasions and occupations, mustered local politicians of our choice in major “nation-building” operations amid much self-promotional talk about democracy, and built up vast new military and security apparatuses, supplying them with billions of dollars in training and arms.

Looking back, it's hard not to think of all of this as a kind of American jihadism, as well as an attempt to establish what might have been considered an American caliphate in the region (though Washington had far kinder descriptive terms for it). In the process, the U.S. effectively dismantled and destroyed state power in each of the three main countries in which it intervened, while ensuring the destabilization of neighboring countries and finally the region itself.

In that largely Muslim part of the world, the U.S. left a grim record that we in this country generally tend to discount or forget when we decry the barbarism of others. We are now focused in horror on ISIS's video of the murder of journalist James Foley, a propaganda document clearly designed to drive Washington over the edge and into more active opposition to that group. We, however, ignore the virtual library of videos and other imagery the U.S. generated, images widely viewed (or heard about and discussed) with no less horror in the Muslim world than ISIS's imagery is in ours. As a start, there were the infamous "screen saver" images straight out of the Marquis de Sade from Abu Ghraib prison. There, Americans tortured and abused Iraqi prisoners, while creating their own iconic version of crucifixion imagery. Then there were the videos that no one (other than insiders) saw, but that everyone heard about. These, the CIA took of the repeated torture and abuse of al-Qaeda suspects in its "black sites." In 2005, they were destroyed by an official of that agency, lest they be screened in an American court someday. There was also the Apache helicopter video released by WikiLeaks in which American pilots gunned down Iraqi civilians on the streets of Baghdad (including two Reuters correspondents), while on the sound track the crew are heard wisecracking. There was the video of U.S. troops urinating on the bodies of dead Taliban fighters in Afghanistan. There were the trophies photos of body parts brought home by U.S. soldiers. There were the snuff films of the victims of Washington's drone assassination campaigns in the tribal backlands of the planet (or "bug splat," as the drone pilots came to call the dead from those attacks) and similar footage from helicopter gunships. There was the bin Laden snuff film video from the raid on Abbottabad, Pakistan, of which President Obama reportedly watched a live feed. And that's only to begin to account for some of the imagery produced by the U.S. since Sept. 2001 from its various adventures in the Greater Middle East.

All in all, the invasions, the occupations, the drone campaigns in several lands, the deaths that ran into the hundreds of thousands, the uprooting of millions of people sent into external or internal exile, the expending of trillions of dollars added up to a bin Laden dreamscape. They would prove jihadist recruitment tools par excellence.

When the U.S. was done, when it had set off **the process that led to insurgencies, civil wars, the growth of extremist militias, and the collapse of state structures, it had also guaranteed the rise of something new on Planet Earth:** ISIS – as well as of other extremist outfits ranging from the Pakistani Taliban, now challenging the state in certain areas of that country, to Ansar al-Sharia in Libya and al-Qaeda in the Arabian Peninsula in Yemen.

Though the militants of ISIS would undoubtedly be horrified to think so, they are the spawn of Washington. Thirteen years of regional war, occupation, and intervention played a major role in clearing the ground for them. **They may be our worst nightmare (thus far), but they are also our legacy** – and not just because so many of their leaders came from the Iraqi army we disbanded, had their beliefs and skills honed in the prisons we set up (Camp Bucca seems to have been the West Point of Iraqi extremism), and gained experience facing U.S. counterterror operations in the "surge" years of the occupation. In fact, just about everything done in the war on terror has facilitated their rise. After all, we dismantled the Iraqi army and rebuilt one that would flee at the first signs of ISIS's fighters, abandoning vast stores of Washington's weaponry to them. **We essentially destroyed the Iraqi state,** while fostering a Shia leader who would oppress enough Sunnis in enough ways to create a situation in which

ISIS would be welcomed or tolerated throughout significant areas of the country... The American record in these last 13 years **is a shameful one**. Do it again should not be an option [18].

Tom Engelhardt, co-founder of the American Empire Project

14. Iraq War 4.0? *Tom Engelhardt*

Imagine if some other nation was behaving like the U.S. has behaved towards Iraq... Let's play a game, the kind that makes no sense on this single-superpower planet of ours. For a moment, do your best to suspend disbelief and imagine that there's another superpower, great power, or even regional power somewhere that, between 2001 and 2003, launched two major wars in the Greater Middle East. We're talking about full-scale invasions, long-term occupations, and nation-building programs, first in Afghanistan and then in Iraq.

In both countries, that power quickly succeeded in its stated objective of "regime change," only to find itself mired in deadly conflicts with modestly armed minority insurgencies that it simply couldn't win. In each country, to the tune of billions and billions of dollars, it built up a humongous army and allied "security" forces, poured money into "reconstruction" projects (most of which proved disasters of corruption and incompetence), and spent trillions of dollars of national treasure.

Having imagined that, ask yourself: How well did all of that turn out for this other power? In Afghanistan, a recent news story highlights something of what was accomplished. Though that country took slot 175 out of 177 on Transparency International's 2013 Corruption Perceptions Index, though its security forces continue to suffer grievous casualties, and though parts of the country are falling to a strengthening Taliban insurgency, it has for some years proudly held a firm grip on one record: Afghanistan is the leading narco-state on planet Earth.

In 2013, it upped its opium poppy cultivation by 36%, its opium production by almost 50%, and drug profits soared. Preliminary figures for this year, recently released by the U.N., indicate that opium cultivation has risen by another 7% and opium production by 17%, both to historic highs, as Afghanistan itself has become "one of the world's most addicted societies."

Meanwhile, where there once was Iraq (171st on that index of kleptocracies), there is now a Shiite government in Baghdad defended by a collapsed army and sectarian militias, a de facto Kurdish state to the north, and, in the third of the country in-between, a newly proclaimed "caliphate" run by a terror movement so brutal it's establishing records for pure bloodiness. It's headed by men whose West Point was a military prison run by that same great power and its bloodthirstiness is funded in part by captured oil fields and refineries.

In other words, after 13 years of doing its damndest, on one side of the Greater Middle East this power has somehow overseen the rise of the dominant narco-state on the planet with monopoly control over 80%-90% of the global opium supply and 75% of the heroin. On the other side of the region, it's been complicit in the creation of the first terrorist mini-oil state in history, a post-al-Qaeda triumph of extreme jihadism.

A Fraudulent Election and a Collapsed Army. Though I have no doubt that the fantasy of relocating Washington's deeds to Beijing, Moscow, Tehran, or any other capital crumbled paragraphs ago, take a moment for one more experiment. If this had been the work of any other power we thought less well of than we do of ourselves, imagine the blazing headlines right now. Conjure up – and it shouldn't be hard – what the usual war hawks would be spouting in Congress, what the usual suspects on the Sunday morning talk shows might be saying, and what stories cable news networks from CNN to Fox would be carrying...

Vietnamizing Iraq, Iraqicizing Vietnam. In the meantime, think about what we would have said if the Russians had acted as Washington did in Afghanistan, or if the Chinese had pursued an Iraq-like path in a country of their choosing for the third time with the same army, the same "unified" government, the same drones and weaponry, and in key cases, the same

personnel! (Or, if you want to make the task easier for yourself, just check out U.S. commentary these last months on Ukraine.)...

Four More Years! Four More Years! Try to imagine the reaction here, if the Russians were suddenly to send their military back into conflict-ridden Afghanistan to refight the lost war of the 1980s more effectively, bringing old Red Army commanders out of retirement to do so.

As it happens, the present war in Iraq and Syria is so unnervingly déjà vu all over again that an equivalency of any sort is next to impossible to conjure up. However, since in the American imagination terrorism has taken over the bogeyman-like role that Communism once filled, the new Islamic State might in one sense at least be considered the equivalent of the North Vietnamese (and the rebel National Liberation Front, or Vietcong, in South Vietnam). There is, for instance, some similarity in the inflamed fantasies Washington has attached to each: in the way both were conjured up here as larger-than-life phenomena capable of spreading across the globe. (Look up “domino theory” on the meaning of a Communist victory in South Vietnam if you doubt me.)...

Awaiting Iraq War 4.0. Given all this, it should amaze us how seldom the dismal results of America’s actions in the Greater Middle East are mentioned in this country. Think of it this way: Washington entered Iraq War 3.0 with a military that, for 13 years, had proven itself incapable of making its way to victory. It entered the latest battle with an air force that, from the “shock and awe” moment it launched 50 “decapitation” strikes against Saddam Hussein and his top officials and killed none of them but dozens of ordinary Iraqis, has brought none of its engagements to what might be called a positive conclusion. It entered battle with an interlocking set of 17 intelligence agencies that have eaten the better part of a trillion taxpayer dollars in these years and yet, in an area where the U.S. has fought three wars, still manages to be surprised by just about any development, an area that, in the words of an anonymous American official, remains a “black hole” of information. It has entered battle with leaders who, under the strain of fast-moving events, make essentially the same decision again and again to ever worse results...

Whatever the bloody horror, fragmentation, and chaos in the Middle East today, 40 years from now the fears and fantasies that led Washington into such repetitively destructive behavior will look no less foolish than the domino theory does today. If only, in a final thought experiment, we could simply skip those decades and instantly look back upon the present nightmare from the clearer light of a future day, perhaps the next predictable escalatory steps might be avoided. But don’t hold your breath, not with Washington chanting “Four more years!,” “Four more years!”[19].

Tom Engelhardt, co-founder of the American Empire Project

15. Your Wars are the Cause of Global Terrorism. *Juergen Todenhoefer*

Open Letter to the War-Politicians of the World [19a]

Dear Presidents and Heads of Governments! Through decades of a policy of war and exploitation you have pushed millions people in the Middle East and Africa into misery. Because of your policies refugees have to flee all over the world. One out every three refugees in Germany comes from Syria, Iraq and Afghanistan. From Africa comes one out of five refugees. **Your wars are also the cause of global terrorism.** Instead some 100 international terrorists like 15 years ago, we now are faced with more than 100,000 terrorists. Your cynical ruthlessness now strikes back at us like a boomerang.

As usual, you do not even consider, to really change your policy. You cure only the symptoms. The security situation gets more dangerous and chaotic by the day. More and more wars, waves of terror and refugee crises will determine the future of our planet. Even in Europe, the war will one day knock again at Europe's door. Any businessman that would act like you would be fired or be in prison by now. You are total failures.

The peoples of the Middle East and Africa, whose countries you have destroyed and plundered and the people of Europe, who now accommodate the countless desperate refugees have to pay a high price for your policies. But wash your hands of responsibility. You should stand trial in front of the International Criminal Court. And each of your political followers should actually take care of at least 100 refugee families.

Basically, the people of the world should raise and resist you as the warmongers and exploiters. As once Gandhi did it – in nonviolence, in 'civil disobedience'. We should create new movements and parties. Movements for justice and humanity. Make wars in other countries just as punishable as murder and manslaughter one's own country. And you who are responsible for war and exploitation, you should go to hell forever. It is enough! Get lost! ***The world would be much nicer without you.*** – Jürgen Todenhöfer

Dear friends, I know you should never write letters in anger. But life is way too short to always beat about the bush. Is your anger not so great that you want to cry about so much irresponsibility? About the infinite suffering that has been caused by these politicians? About the millions of dead people? Did the warmongering politicians really believe they could go on for decades with impunity beating up other peoples making a killing at the same time? We should no longer accept this! In the name of humanity, I call upon to: Defend yourselves!

Jürgen Todenhöfer: www.facebook.com/JuergenTodenhoefer, www.juergentodenhoefer.de/

16. On Western Terrorism: From Hiroshima to Drone Warfare.

Concealing the Crimes of the West. *Noam Chomsky*

If we look at the international tribunals, the only people who are indicted are overwhelmingly Africans and one or two people who are enemies of the West, like Milosevic. And the Africans are also always from the side that we don't like. But have there not been any other crimes committed in the last few years? **Take the invasion of Iraq – nothing can be potentially regarded as criminal.** Forget about Nuremberg and the rest of modern international law. In fact there is a legal reason for that, which is not too well known. **The United States is self-immunized from any prosecution.** When they joined the World Court in 1946, the U.S. basically initiated the modern International Court of Justice, which it joined but with the reservation that the U.S. cannot be tried on any international treaty – meaning the UN charter, the charter of the Organization of the American States, the Geneva Conventions.

The U.S. is self-immunized from any trial on those issues. And the Court has accepted that. So for example when Nicaragua brought a case against the United States at the World Court for the terrorist attacks against Nicaragua, most of the case was thrown out because it invoked the charter of the Organization of American States, which bars interventions strongly, and the U.S. is not subject to that and the Court accepted it.

In fact the same happened, interestingly, at the trial where Yugoslavia brought a case against NATO for the bombing to the International Court of Justice, I think, and the United States excluded itself from the case and the Tribunal agreed because one of the charges mentioned was that it was a genocide, and when the United States signed the Genocide Convention after 40 years, it had a reservation saying it was “*inapplicable to the United States,*” and so therefore the Court rightly excused the United States from prosecution. There are literally legal barriers established just in case anyone dares to try to bring some charge against the powerful. I am sure you recall when the Rome Treaty was signed, and the International Criminal Court was established, the U.S. refused to participate . . . but then it was more than that.

Congress passed legislation, which the Bush administration happily signed, which granted the White House authority to invade The Hague by force in case any American was brought there. In Europe it is sometimes called the Netherlands Invasion Act. Well, that was passed here enthusiastically, so the self-immunization is at many levels. One is the

impossibility to perceive, such as when you deny what happened to the indigenous population in the United States, when you just can't see it even if it is in front of your eyes. The other is that it's actually fortified by legislation [19b, p. 26–27].

Noam Chomsky, born December 7, 1928, is an American linguist, philosopher, social justice activist, the Massachusetts Institute of Technology (MIT) Professor Emeritus and has authored over 100 books. He was voted the "world's top public intellectual" in a 2005 poll. Chomsky has strongly criticized the foreign policy of the United States. He claims double standards in a foreign policy...

**III. USA/NATO: “Barbarossa II Mission” (Rozoff);
“Breaking Russia has become an Objective” (Kissinger),
“NATO Global Nuclear War with Russia” (Chomsky)**

17. NATO Aggression to East with Barbarossa II Mission: From Daily Digests

Rick Rozoff

NATO is the USA first attempt in history since 1949 to establish **an aggressive global military formation**, one which currently includes a third of the nations of the world either as members or partners, has them on five continents and has conducted active operations on four, with the potential to expand its reach into the remaining two where it has not yet officially intruded itself. In order to counteract the NATO expansion was created an international group of "Stop NATO" 16 years ago, which today brings together more than 700 members from dozens of countries. The main tool of this group is the daily digests or news, which lasted 16 years but were interrupted in August 2015 for temporary creative break.

Stop NATO is an international e-mail news list that examines, from an adversarial position, the expansion of the North Atlantic Treaty Organization (NATO) and affiliated and allied military blocs into and throughout Europe, the Mediterranean, the Caucasus, Central and South Asia, East Asia and the Pacific, Africa, the so-called Greater Middle East and beyond.

The list provides current and unique information on reports, developments, trends and analysis, usually from sources in the affected areas and regions, not obtainable from commercial news and other outlets.

Its focus is on information and the analysis thereof and discourages inordinate discussion of local partisan politics and abstruse polemics.

Stop NATO's orientation is anti-militarist, international and internationalist.

Its purpose is to document, anticipate, expose and oppose ongoing efforts to expand global militarization, including the deployment of advanced, potential first strike missile systems throughout the world and in space.

The list is moderated in order to maintain focus on issues and perspectives that it alone addresses on a daily basis.

List manager Rick Rozoff can be contacted at: rwrozoff@yahoo.com.

Daily digest option (all news stories of the day in one e-mail) available.

Stop NATO articles are posted at: <http://rickrozoff.wordpress.com> [20].

To illustrate the most dangerous NATO militarism expansion to the East, we have chosen a number of typical headers of the Digests to STOP NATO group during only four months: since Mart 26 to June 24, 2015.

Mart 26, [stopnato] Digest Number 5293. 5 Messages:

1. Barbarossa II: U.S.-NATO Expand Offensive From Baltics To Black Sea,
2. Polish Defense Chief Says No War with Russia, Brzezinski Disagrees,
3. 1,000 U.S. Soldiers Currently In Ground Operations in Eastern Europe,
4. Romania: U.S. Troops Start War Games, Medics to Treat Ukrainian Troop,
5. U.S. Expands Operation Confront Russia to Romania, Bulgaria,

Mart 28, [stopnato] Digest Number 5295. 5 Messages:

1. Czech Republic: Protest Against U.S. Military Convoy,
2. U.S.-NATO Absorb Ukraine into "World's Biggest Defense Structure",
3. Ukraine Negotiates Creating New Neo-Nazi Division in Army,
4. Europe: U.S. Deploys More Warplanes, Troops against Russia,
5. Psychological Projection: McCain Says Russia to Attack... Just Everybody,

April 20, [stopnato] Digest Number 5316. 4 Messages:

1. Europe: Pentagon Spends \$1 Billion In Anti-Russian Build-Up,
2. Conflict with Russia: Germany Reactivates 100 Tanks on NATO Orders,
3. Germany Offers War-Tested Artillery to Lithuania for War with Russia,
4. Ukraine War: U.S. Leads War Games in Romania,

May 5, [stopnato] Digest Number 5330. 5 Messages:

1. NATO Launches Anti-Submarine Warfare Exercise In Norway,
2. Georgia To Become NATO Member "As Soon As Possible",
3. Barbarossa II: 900,000 Finnish Reservists Prepared For "Crisis Situation",
4. EU, NATO Launch Polish-Lithuanian-Ukrainian Military Unit for Russia,
5. Swedish Warplanes Highlighted: NATO War Games in Czech Republic,

May 15, [stopnato] Digest Number 5339. 3 Messages:

1. NATO Fully Backs Ukraine in 13-Month Proxy War With Russia,
2. Kiev Counts On Other Two-Thirds of NATO-EU-U.S. Triad,
3. NATO and Ukraine at War: One for All, All for One,

May 18, [stopnato] Digest Number 5342. 4 Messages:

1. U.S. Congress Approves Lethal Weapons For Ukraine War,
2. Following NATO FMs Meeting, Turkey Shoots Down Syrian Helicopter,
3. Turkey Offers To Lead New NATO Anti-Russian Strike Force,
4. U.S. on Wrong Side of History,

May 21, [stopnato] Digest Number 5344. 7 Messages:

1. Black Sea Rotational Force: U.S. Marines Lead Drills In Romania,
2. Bulgaria: EU-NATO Frontline State for Wars in East, South,
3. Libya: Latest NATO Proxy Army,
4. Ukrainian Junta Certifies Almost 50,000 Troops as Combatants,
5. Ukrainian Defense Ministry Demands 7.7 Billion More Hryvnia for War,
6. Wartime Interoperability: U.S. Deploys Warplanes to Slovakia,
7. Interceptor Missiles: NATO's Top Military Commander In Turkey,

June 1, Digest #5355, 7 Messages:

1. U.S. Army Confronts Russia From Baltic Sea To Black Sea,
2. Ukraine: Georgia's Saakashvili Appointed Governor of Odessa,
3. Florida To Spain: NATO Chief Touts "9,000-Ton Boost" To Mi,
4. Poland: French Tanks, Warplanes Readied For War with Russia,
5. Poland: U.S. Deploys F-16s for Anti-Russian Operation,
6. NATO Group: German Submarine Arrives In Estonian Capital,
7. Ukraine Spends 7 Million U.S. Dollars A Day On 410-Day War,

June 14, Digest #5368, 3 Messages:

1. Poland: War Games Prepare NATO's Very High Readiness Joint Task Force,
2. Latvia: U.S. Army Europe Chief Officiates Over Anti-Russian War Game,
3. Key to Global Peace Science as Alternative to Nuclear War by "Leo Semashko",

June 21, Digest #5374, 7 Messages:

1. Latvia: U.S. Warplanes Simulate War Near Russian Border,
2. U.S. Army Paratroopers Storm Baltic Beach,
3. U.S. Armored Forces Lead War Games In Bulgaria,
4. Saakashvili Auctions Off Odessa To American Investors,
5. As Planned/Predicted: Ukraine Substitutes NATO For Russian Arms,
6. Pentagon Chief's European Trip To NATO HQ, Russian Border,
7. Spain: U.S. Strike Forces to Remain at Air Base Permanently,

June 22, Digest #5375, 2 Messages:

1. U.S. To Move Abrams Tanks Into Bulgaria,
2. U.S. Air Force, Army Prepare For Bulgarian War Games,

June 24, Digest #5376, 1 Message:

1. The 3rd Hague Peace Conference by "John Kelly".

See also my earlier article: "*America Threatens Russia*" of 2010 [21].

Rick Rozoff has been involved in anti-war and anti-interventionist work in various capacities for forty years. He lives in Chicago, Illinois. Is the manager of the Stop NATO international e-mail list at: <http://groups.yahoo.com/group/stopnato/>.

18. US Control over the Crimea – it was the Aim of Coup d'etat in Kiev

Maurizio Blondet

"The coup d'etat perpetrated in Kiev in February this year had a specific goal: to neutralize the Russian Black Sea Fleet, based in Sevastopol, and replace it with the US Navy," says Maurizio Blondet from Italia [22].

19. From WWII, Syria and now the Ukraine: Global Community perspective

Germain Dufour

On September 1, 1939, the German invasion of Poland started World War II. In July 1940, Stalin completely reorganized the Soviet military, placing himself directly in charge of several military organizations. This gave him complete control of his country's entire war effort, more control than any other leader in World War II. Later on June 22, 1941, Germany, Italy and Romania invaded the Soviet Union in Operation **Barbarossa**. They were joined shortly by Finland and Hungary. The primary targets of this surprise offensive were the Baltic region, Moscow and Ukraine, **with the ultimate goal of ending the 1941 campaign near the Arkhangelsk-Astrakhan line, from the Caspian to the White Seas**.

On June 6, 1944 (**known as D-Day**), after three years of Soviet pressure, the "so called Allies" invaded northern France... Between February 13 and 15, 1945, British and US bombers attacked the German city of Dresden, which was crowded with German wounded and refugees. There were an unknown number of refugees in Dresden, so historians Matthias Neutzner, G. Bergander and Frederick Taylor have used historical sources and deductive reasoning to estimate that the number of refugees in the city and surrounding suburbs was around 200,000 on the first night of the bombing... **Americans bombed Germany with chemical and biological weapons of mass destruction**. How many Jews and Christians were gassed from the bombing would be impossible to tell. Most likely in the millions!

The Second World War ended on 8 May 1945. The Soviet Union had won the war for the world... Throughout WWII, the United States behaved **like a nation of mercenaries**. They would help only if they were getting pay from Britain. Later on D-Day, the USA decided it was in their own national interests to gas bomb Germany. And they did just that. **Mercenaries don't fight for freedom, justice and democracy**. They get pay to do a job, and that is all. But bombing Germany when the German Army had already been defeated **is a crime against humanity**. Roosevelt never had a single drop of diplomacy in his blood, and neither did the US Congress officials. The prospect of Americans getting their hands on Russia' formidable natural resources, had Hitler defeated the Soviet Army, was too great to let pass away this opportunity. **Americans were opportunists at best, and committed crimes against humanity at worst**.

Remember Vietnam? The Vietnam War was a Cold War-era military conflict that occurred in Vietnam, Laos, and Cambodia. America attacked the place. **America dropped 100 times more bombs of all types over those nations than they did over Germany and that without any provocation from the people of those three nations**. America has tried to invade the place. To these days no one really knows why America has tried to invade the place. I sure don't! Was it because America did not like their political system, communism? That is very likely because Europe tried to destroy the Soviet Union during WWII mainly because of the Soviet Union's formidable natural resources and its communist political system. **Or was it because Americans enjoy killing, bombing communities, destroying, and showing off military warfare?** Was it because it made good economic sense? Americans must have killed over a million people. What a bloodshed! **Back in America, Americans were told they were killing the bad guys, the communists. That was all that was needed to do the killing. No other reason! Are**

Americans so gullible they would believe anything coming from the White House? Can they not see how wrong invading Vietnam had been? Don't they have values, principles or even religious beliefs they live by to help making a sound judgment about such an invasion? **Even the United Nations never condemned the monstrous genocide.**

To these days, the U.S.A. military has created a link in 1050-strong chain of American military bases in 130 countries, mainly to control and acquire resources of those countries either by economic warfare or military warfare. **The USA military is everywhere to invade, destroy, kill, corrupt governments, and de-stabilize the world for profit. The more unstable the world is the better. What would the U.S.A. military do without conflicts and wars? They create them, and that is what they do best. Of course! No way out of that!** They cannot be inactive! And that is what the USA has done in Syria and in the Ukraine. The USA is responsible for the "coup d'etat" in the Ukraine. The USA wants Russia formidable natural resources. By creating a friendly government in the Ukraine, **the USA would have another military base on Ukraine soil to do more offensive incursion into Russia.**

The US interfered, militarily or covertly, in the internal affairs of a large number of nations: China, 1945–49; Italy, 1947–48; Greece, 1947–49; Philippines, 1946–53; South Korea, 1945–53; Albania, 1949–53; Germany, 1950s; Iran, 1953; Guatemala, 1953–1990s; Middle East, 1956–58; Indonesia, 1957–58; British Guiana/Guyana, 1953–64; Vietnam, 1950–73; Cambodia, 1955–73; The Congo/Zaire, 1960–65; Brazil, 1961–64; Dominican Republic, 1963–66; Cuba, 1959–present; Indonesia, 1965; Chile, 1964–73; Greece, 1964–74; East Timor, 1975–present; Nicaragua, 1978–89; Grenada, 1979–84; Libya, 1981–89; Panama, 1989; Iraq, 1990–present; Afghanistan 1979–92; El Salvador, 1980–92; Haiti, 1987–94; Yugoslavia, 1999; and Afghanistan, 2001–present, Syria, 2013–present. Egypt, 2013–present, Venezuela, 2013–present.

During WWII, Soviet military casualties totaled approximately 35 million, and 20 million civilians were also killed. Much of the Soviet Union was destroyed. **But Stalin and his Army saved Europe. The USA did not save Europe.** The USA showed up at the very last minute of WWII and **bombed Germany villages killing mostly innocent people.** American are mercenaries, and they showed up during D-Day because they were paid by Great Britain and Churchill did not want history to show that Stalin saved Europe. Churchill cooked his books for history.

NATO's aggressive escalation, carried out over the Kremlin's warnings that it is tearing up all the legal foundations of the highly fragile peace in Europe, threatens a war between NATO and Russia – a major military power **with a massive arsenal of nuclear weapons.**

The Western imperialist powers are scrapping their collaboration with the Kremlin on issues like anti-piracy operations, however, as they struggle over a far more significant prize: geo-strategic and financial control of Eastern Europe, and ultimately of Russia itself.

The prominent American syndicated columnist and journalist Ted Rall has recently written on his website that **there are traces of neo-fascism and neo-Nazism in the government of Prime Minister Arseniy Yatsenyuk** who has just come to power: *“There's no doubt that a Ukrainian nationalist strain runs deep in the new regime. It has been estimated that roughly 1/3 or more of the supporters of the new government come out of xenophobic, anti-Semitic, neo-fascist movements that draw much of their ideological heritage from the Nazi puppet regime that governed Ukraine under German occupation during World War II.”*

So, on March 16, the Crimean parliament and the local government of Sevastopol held a public referendum in Crimea to give the citizens two choices for the future of their territory; either to remain associated with Ukraine or reunite with Russia. **With a high turnout of 83.1% of the eligible voters, 96.77% of the participants in the plebiscite voted in favor of joining the Russian Federation.** The United States and its allies didn't hesitate to call the referendum as rigged and invalid, as they usually does with the elections in countries with which they are at odds. Washington even drafted a resolution in the UN Security Council to call the referendum null and void, but Russia used its veto power, while China abstained, and the USA simply pushed the General Assembly member states to pass a non-binding resolution, declaring the referendum invalid, which doesn't seem to have any certain impact on the future of Crimea.

The future of Crimea and the prospects of the marred relations between Russia and the West remain blurred and unknown, but the United States' accusations that Russia is “occupying” Crimea and exerting military aggression and so should be punished with economic sanctions and diplomatic isolation **sound gravely outrageous and entirely hypocritical. The USA has the biggest war machinery in the world, has been directly or indirectly involved in more than 50 wars and military strikes on other**

countries without the approval of the UN Security Council, and has incontestably perpetrated war crimes and crimes against humanity.

As the prominent American lawyer and legal expert Marjorie Cohn has noted in a recent article, the United States **is the largest user of unconventional and forbidden chemical weapons in the illegal wars it has waged across the globe.** *“The U.S. militarily occupied over 75% of the Puerto Rican island of Vieques for 60 years, during which time the Navy routinely practiced with, and used, Agent Orange, depleted uranium, napalm and other toxic chemicals and metals such as TNT and mercury. This occurred within a couple of miles of a civilian population that included thousands of U.S. citizens,”* wrote Prof. Cohn. *“The use of any type of chemical weapon by any party would constitute a **war crime**. Chemical weapons that kill and maim people are illegal and their use violates the laws of war,”* she added.

She also goes on to explain the use of chemical weapons by the United States in Iraq, Afghanistan, Libya and Syria and also underlines that the majority of wars in which the United States has taken part were not ever approved by the Security Council. Aren't these crimes a contravention of the UN Charter? Why don't the G7 leaders and European Council and European Commission officials ever react to these violations? **Does the United States have the prerogative to attack other countries and maim their people without any legal or moral justification and then get away with its crimes?**

The United States is imparting a clear message by adopting this insincere and hypocritical approach toward Russia, which is also a message to other countries: **We can invade your countries, we can kill your citizens, we can rule you tyrannically, we can behave in any way we desire, but if you do something which doesn't please us, we will impose sanctions on you, we will banish you from international organizations,** and we will come down on you like a ton of bricks. This is how the American hypocrisy works.

Soviet President Mikhail Gorbachev ended the Cold War in 1991 because of the economy of his nation was suffering from the unsatisfying appetite of the military. He had the guts to end the Cold War **to save his people from a nuclear war. A leader of Peace and Harmony! Why have the United States not followed his leadership in creating an open and safe world?** If America had followed his leadership the American economy would not have been bankrupted today. For years after the Cold War ended, American businesses have taken advantages of Russia openness and dragged Russian economy even more down further.

The USA is invading the world, and the UN can do nothing to stop them. The USA was allowed to invade other nations, change their governments, and has often made lies in speeches to the UN, to the world. Remember what the US representatives told the world at the UN prior to the invasion of Iraq? **Lies! All lies!** And the leadership of the UN never did anything to reprimand the US representatives and implement hard sanctions for the invasion of Iraq.

As a conclusion to this paper, over time **Russians showed the world they were better people than any of the people in the so called Allied nations.** During WWII, Russian soldiers, **all Russian people, were all heroes and ought to be thank for saving the world from Hitler's invasion. Thank you Russia! You are the best of all Peoples on Earth.** Global Community approves of what you are doing to protect Russians outside Russia. Don't trust the UN to do it for you. **Protect your formidable natural resources and the global life-support systems. You are the only nation left capable of doing so.** Global Community is proud of what you have become and achieved. Soviet President Mikhail Gorbachev ended the Cold War in 1991 and **promoted Peace in the world. He was the greatest of all Soviet leaders,** and he is my personal hero. **Russians are all my heroes for what they have endured during and after WWII. The Soviet Union saved the world. Now let Russia save the planet, and all life on Earth.** Yes you can! **You can do it better than anyone else in the world.** If there has to be a **third world war, Global Community wants Russia to survive us all because you are truly a better People** than all of us put together, than all Life has ever created through the evolutionary process. Russians are the best people the human species has ever had so far. God bless you Russia, and God bless all Russians [23].

Germain Dufour, Spiritual Leader of the Global Community; President, Earth Government, Federation of Global Governments. **Address:** Nanaimo, Canada.
Web: <http://globalcommunitywebnet.com/>; **E-mail:** globalcommunity@telus.net

20. No to War, Hot or Cold, With Russia. To: U.S. Congress. *Dennis Kucinich*

Reverse the steps taken in the recently passed resolution H. Res. 758, which distorts facts and hypocritically condemns actions the United States is itself guilty of in order to antagonize Russia, **effectively declaring a new Cold War**. The resolution demands that Russia be isolated and that **the U.S. and NATO be prepared for war**. This approach should be unacceptable in a new head of the Pentagon, and Congress should replace militarism with diplomacy toward Moscow.

Why is this important? NATO encirclement, the U.S.-backed coup in Ukraine, an attempt to use an agreement with the European Union to bring NATO into Ukraine at the Russian border, a U.S. nuclear first-strike policy, are all policies which attempt to substitute force for diplomacy.

Tensions between Russia and the U.S. are being fueled every day by players who would benefit financially from a resumption of the **Cold War which, from 1948 to 1991 cost U.S. taxpayers \$20 TRILLION dollars** (in 2014 dollars), an amount exceeding our \$18 trillion National Debt.

The resolution just passed by the House calls for “the President, in consultation with Congress, to conduct a review of the force posture, readiness and responsibilities of United States Armed Forces and the forces of other members of NATO to determine if the contributions and actions of each are sufficient to meet the obligations of collective self-defense under Article 5 of the North Atlantic Treaty, and to specify the measures needed to remedy any deficiencies...” **In other words, "let's get ready for war with Russia."**

This is a dangerous and costly direction. Using diplomacy, rather than poor substitutes for it, would save dollars and lives, while allowing us to prioritize useful projects and collaborate with our international allies. This is a moment in which we all must raise our voices to make that change [24].

Dennis Kucinich, for 16 years, Kucinich served as a Democratic member of the U.S. House of Representatives for Ohio, representing Ohio's 10th congressional district from 1997 to Jan. 2013. Dennis Kucinich for President in 2016: <https://actionnetwork.org/petitions/denis-kuchinich-for-president-in-2016>

21. Reckless Congress ‘declares war’ on Russia. *Ronald Paul*

Today the US House passed what I consider to be one of the worst pieces of legislation ever. H. Res. 758 was billed as a resolution “*strongly condemning the actions of the Russian Federation, under President Vladimir Putin, which has carried out a policy of aggression against neighboring countries aimed at political and economic domination.*” In fact, the bill was **16 pages of war propaganda** that should have made even neocons blush, if they were capable of such a thing.

These are the kinds of resolutions I have always watched closely in Congress, as what are billed as “harmless” statements of opinion often lead to sanctions and war. I remember in 1998 arguing strongly against the Iraq Liberation Act because, as I said at the time, **I knew it would lead to war...** We all know what happened next.

That is why I can hardly believe they are getting away with it again, and this time with even higher stakes: provoking a war with Russia that **could result in total destruction!** If anyone thinks I am exaggerating about how bad this resolution really is, let me just offer a few examples from the legislation itself:

The resolution (paragraph 3) accuses Russia of an invasion of Ukraine and condemns Russia's violation of Ukrainian sovereignty. The statement is offered with out any proof of such a thing. Surely with our sophisticated satellites that can read a license plate from space we should have video and pictures of this Russian invasion. **None have been offered.** As to Russia's violation of Ukrainian sovereignty, why isn't it a violation of Ukraine's sovereignty for the **US to participate in the overthrow of that country's elected government as it did in February?** We have all heard the tapes of State Department officials plotting with the US Ambassador in

Ukraine to overthrow the government. We heard US Assistant Secretary of State Victoria Nuland bragging **that the US spent \$5 billion on regime change in Ukraine**. Why is that OK?

The resolution (paragraph 11) accuses the people in east Ukraine of holding “fraudulent and illegal elections” in November. Why is it that every time elections **do not produce the results desired by the US government they are called “illegal” and “fraudulent”**? Aren’t the people of eastern Ukraine allowed self-determination? Isn’t that a basic human right?

The resolution (paragraph 13) demands a withdrawal of Russia forces from Ukraine even though **the US government has provided no evidence the Russian army was ever in Ukraine**. This paragraph also urges the government in Kiev to resume military operations against the eastern regions seeking independence.

The resolution (paragraph 14) states with certainty that the Malaysia Airlines flight 17 that crashed in Ukraine was brought down by a missile “fired by Russian-backed separatist forces in eastern Ukraine.” **This is simply incorrect, as the final report on the investigation of this tragedy will not even be released until next year** and the preliminary report did not state that a missile brought down the plane. Neither did the preliminary report – conducted with the participation of all countries involved – assign blame to any side.

Paragraph 16 of the resolution condemns Russia for selling arms to the Assad government in Syria. It does not mention, of course, **that those weapons are going to fight ISIS – which we claim is the enemy – while the US weapons supplied to the rebels in Syria have actually found their way into the hands of ISIS!**

Paragraph 17 of the resolution condemns Russia for what the US claims are economic sanctions (“coercive economic measures”) against Ukraine. This even though the US has repeatedly hit Russia with economic sanctions and is considering even more!

The resolution (paragraph 22) states that Russia invaded the Republic of Georgia in 2008. **This is simply untrue**. Even the European Union – no friend of Russia – concluded in its investigation of the events in 2008 that it was Georgia that “started an unjustified war” against Russia not the other way around! **How does Congress get away with such blatant falsehoods?** Do Members not even bother to read these resolutions before voting?

In paragraph 34 **the resolution begins to even become comical**, condemning the Russians for what it claims are attacks on computer networks of the United States and “illicitly acquiring information” about the US government. In the after math of the Snowden revelations about the level of US spying on the rest of the world, how can the US claim the moral authority to condemn such actions in others?

Chillingly, the resolution singles out Russian state-funded media outlets for attack, claiming that they “distort public opinion.” The US government, of course, **spends billions of dollars worldwide to finance and sponsor media outlets** including Voice of America and RFE/RL, as well as to subsidize “independent” media in countless counties overseas. How long before alternative information sources like RT [Russia Today] are banned in the United States? This legislation brings us closer to that unhappy day when the government decides the kind of programming **we can and cannot consume – and calls such a violation “freedom.”**

The resolution gives the green light (paragraph 45) to Ukrainian President Poroshenko to **re-start his military assault on the independence-seeking eastern provinces**, urging the “disarming of separatist and paramilitary forces in eastern Ukraine.”...

There are too many more **ridiculous and horrific** statements in this legislation to completely discuss. Probably the single most troubling part of this resolution, however, is the statement that “military intervention” by the Russian Federation in Ukraine “**poses a threat to international peace and security.**” Such terminology is not an accident: this phrase is the poison pill planted in this legislation from which future, more aggressive resolutions will

follow. After all, if we accept that Russia is posing a “threat” to international peace how can such a thing be ignored? **These are the slippery slopes that lead to war.**

This dangerous legislation passed today, December 4, **with only ten (!) votes against!** Only ten legislators are concerned over **the use of blatant propaganda and falsehoods to push such reckless saber rattling toward Russia.** Here are the Members who voted “NO” on this legislation. If you do not see your own Representative on this list call and ask **why they are voting to bring us closer to war with Russia!** If you do see your Representative on the below list, call and thank him or her for standing up to the warmongers. Voting “NO” on H. Res. 758: 1) Justin Amash (R-MI), 2) John Duncan (R-TN), 3) Alan Grayson (D-FL), 4) Alcee Hastings (D-FL), 5) Walter Jones (R-NC), 6) Thomas Massie (R-KY), 7) Jim McDermott (D-WA), 8) George Miller (D-CA), 9) Beto O’Rourke (D-TX), 10) Dana Rohrabacher (R-CA) [25].

Ronald Paul is an American physician and politician. He is a member of the Rep. Party and from 1976 to 2013 (with interruptions) he was a member in the US House of Repr. Paul was candidate in the US presidential elections in 1988, 2008 and 2012.

The GPS Editor in Chief Note. The two articles above, as well as others, provide strong evidence of insurmountable defects of American democracy: militarism, corruption, inequality and nationalism or national priority of limited private interests (8.9.). **This "democracy" , above all, is the imperial, entirely militaristic and aggressive, ignoring issues of peace and focused only on the desire of any false paths ignite a new war.** Therefore, this democracy is the main obstacle, threat and antagonist to global peace, as evidenced by dozens of facts in this book. This false democracy requires replacement of a peaceful democracy, which excludes war, which can only be by spherical democracy or democracy of SPHERONS (see para. 8.9, and other ones). The US Congress is the supreme representative of American democracy. We have not seen any of its resolution or bill for the active promotion of global peace. We see from the Congress only militarist resolutions and bills during 70 years against global and regional peace. Therefore, the conclusion that the US and its "democracy" are **"the first threats, obstacles and enemies of global peace"** within 70 years is more than substantiated. The last proof of that is the statement by Henry Kissinger in a recent interview that the Ukraine crisis, created by the US and NATO, **"means that breaking Russia has become an objective."** Therefore, **"the Ukraine crisis is turning into a tragedy"** [26], in global tragedy of nuclear war as we add.

22. The United States Allow the Possibility of Nuclear Strike on Russia.

The report of the head of the US General Staff, whose unclassified fragments were transferred to the press, suggests the possibility of deployment in Europe of land-based missiles, preemptive "counterforce strikes" by Russian missiles and the possibility of a nuclear attack industrial centers [27].

23. NATO Global Nuclear War with Russia: *Noam Chomsky*

An informational event was hosted by acTVism Munich at the Muffatwerk in Munich in which Noam Chomsky was interviewed about the significance and role of whistleblowers, alternative media, activism and a host of other related issues including NATO isolation of Russia and what secretive Trans Pacific Partnership trade agreement means for the oligarchy [27a].

IV. USA: “The Greatest Purveyor of Violence in the World” (King); “Biggest Terrorist” (Dorrel); “Torture Made in USA” (Robin), “Visas for Al Qaeda” (Springmann) and War Crimes

24. What Are Foreign Military Bases For? *David Swanson*

If you’re like most people in the United States, you have a vague awareness that the U.S. military keeps lots of troops permanently stationed on foreign bases around the world. But have you ever wondered and really investigated to find out how many, and where exactly, and at what cost, and to what purpose, and in terms of what relationship with the host nations?

A wonderfully researched new book, six years in the works, answers these questions in a manner you'll find engaging whether you've ever asked them or not. It's called *Base Nation: How U.S. Military Bases Harm America and the World*, by David Vine [28].

Some 800 bases with hundreds of thousands of troops in some 70 nations, plus all kinds of other “trainers” and “non-permanent” exercises that last indefinitely, maintain an ongoing U.S. military presence around the world for a price tag of at least \$100 billion a year... The bases, in many cases, generate an enormous amount of popular resentment and hatred, serving as motivations for attacks on the bases themselves or elsewhere – famously including the attacks of September 11, 2001.

Bases around the borders of Russia and China are generating new hostility and arms races, and even proposals by Russia and China to open foreign bases of their own. **Currently all non-U.S. foreign bases in the world total no more than 30**, with most of those belonging to close U.S. allies, and not a single one of them being in or anywhere near the United States, which would of course be considered an outrage. Many U.S. bases are hosted by brutal dictatorships.

In any case, Vine points to the uniqueness of **World War II as a war that has never been ended, even after the Cold War was said to have ended. Why have the troops never come home?** Why have they continued to spread their forts into “Indian Territory,” until the U.S. **has more foreign bases than any other empire in history**, even as the era of conquering territory has ended, even as a significant segment of the population has ceased thinking of “Indians” and other foreigners as subhuman beasts without rights worthy of respecting?

Base Nation is a book that should be read – and its maps seen – by everyone. **I wish Vine did not write “Russia’s seizure of Crimea” when referring to a free and open and legal vote, especially in the context of a book about military bases.** And I wish he did not only use selfish points of reference in terms of financial tradeoffs. Of course the United States could be transformed for the better with the redirection of military spending, but the United States and the world both could be. It's that much money.

Just this month, the U.S. Joint Chiefs of Staff published “The National Military Strategy of the United States of America – 2015.”[14]. It gave as justification for militarism lies about four countries, beginning with Russia, which it accused of “using force to achieve its goals,” something the Pentagon would never do! Next it lied that Iran was “pursuing” nuclear weapons, a claim for which there is no evidence. Next it claimed that North Korea's nukes would someday “threaten the U.S. homeland.” Finally, it asserted that China was “adding tension to the Asia-Pacific region.” This “Strategy” admitted that none of the four nations wanted war with the USA. “Nonetheless, they each pose serious security concerns,” it said.

So, one might add, does each of the U.S. foreign bases. Vine's book ends with some excellent proposals for change, to which I would add only one: **S. Butler's proposed rule that the U.S. military be forbidden to travel more than 200 miles from the USA** [29; 30; 31].

David Swanson, Cofounder and Director, World Beyond War, USA,

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Dr. Charles Mercieca about David Vine's book: (2015) *Base Nation: How U.S. Military Bases Abroad Harm America and the World*. **It is true that the United States has more foreign military bases than any other people, nation or empire in history.** This phenomenal number of military bases is literally draining the economy of the nation.

Most of our politicians try to solve this serious economic problem by cutting down some of the vital needs of the people, like social security, health needs, and education. The great military expense remains intact. Jesus of Nazareth described the human being as homo hominis lupus. Though this phrase literally means a “man is a wolf of man,” it has always been best translated over the centuries as man is his own worst enemy. Within our context here we may safely state that the **United States has emerged to become its own worst enemy.** “And it's doing us more harm than good,” David Vine.

25. Dr. King: the US is “the greatest purveyor of violence in the world today.”

Amy Goodman

Dr. Martin Luther King Jr. is broadcast on the radio station "Democracy Now", January 20, 2014 with Amy Goodman [32].

AMY GOODMAN: Today is a federal holiday that honors Dr. Martin Luther King. He was born January 15th, 1929. He was assassinated April 4th, 1968, at the Lorraine Motel in Memphis, Tennessee. He was just 39 years old. He is primarily remembered as a civil rights leader; he also championed the cause of the poor and organized the Poor People's Campaign to address issues of economic justice. Dr. King was also a fierce critic of U.S. foreign policy and the Vietnam War. We play his "Beyond Vietnam" speech, which he delivered at New York City's Riverside Church on April 4, 1967, as well as his last speech, "I Have Been to the Mountain Top," that he gave on April 3, 1968, the night before he was assassinated... Dr. King called the US "*the greatest purveyor of violence in the world today.*" **Time magazine called the speech "demagogic slander that sounded like a script for Radio Hanoi."** **The Washington Post said King "diminished his usefulness to his cause, his country his people."** Today, we'll let you decide. We play an excerpt of Dr. King's speech "Beyond Vietnam."

REV. DR. MARTIN LUTHER KING JR.: Somehow **this madness must cease.** We must stop now. I speak as a child of God and brother to the suffering poor of Vietnam. I speak for those whose land is being laid waste, whose homes are being destroyed, whose culture is being subverted. I speak for the poor of America, who are paying the double price of smashed hopes at home and death and corruption in Vietnam. I speak as a citizen of the world, for the world as it stands aghast at the path we have taken. I speak as one who loves America, to the leaders of our own nation: The great initiative in this war is ours; the initiative to stop it must be ours.

This is the message of the great Buddhist leaders of Vietnam. Recently one of them wrote these words, and I quote: "*Each day the war goes on, the hatred increases in the heart of the Vietnamese and in the hearts of those of humanitarian instinct. The Americans are forcing even their friends into becoming their enemies. It is curious that the Americans, who calculate so carefully on the possibilities of military victory, do not realize that in the process they are incurring deep psychological and political defeat. The image of America will never again be the image of revolution, freedom and democracy, but the image of violence and militarism.*"

Now, there is something seductively tempting about stopping there and sending us all off on what in some circles has become a popular crusade against the war in Vietnam. I say we must enter that struggle, but I wish to go on now to say something even more disturbing. The war in Vietnam is but a symptom of a **far deeper malady within the American spirit**, and if we ignore this sobering reality – and if we ignore this sobering reality, we will find ourselves organizing clergy – and laymen-concerned committees for the next generation. **They will be concerned about Guatemala and Peru. They will be concerned about Thailand and Cambodia. They will be concerned about Mozambique and South Africa.** We will be marching for these and a dozen other names and attending rallies without end, unless there is a significant and profound change in American life and policy. So such thoughts take us beyond Vietnam, but not beyond our calling as sons of the living God.

In 1957, a sensitive American official overseas said that it seemed to him that our nation was on the wrong side of a world revolution. During the past 10 years, we have seen emerge a pattern of suppression, which has now justified the presence of U.S. military "advisers" in Venezuela. This need to maintain social stability for our investments accounts for the counterrevolutionary action of American forces in Guatemala. It tells why American helicopters are being used against guerrillas in Cambodia and why American napalm and Green Beret forces have already been active against rebels in Peru. It is with such activity in mind

that the words of the late John F. Kennedy come back to haunt us. Five years ago, he said, "*Those who make peaceful revolution impossible will make violent revolution inevitable.*"

Increasingly, by choice or by accident, this is the role our nation has taken, the role of those who make peaceful revolution impossible by refusing to give up the privileges and the pleasures that come from the immense profits of overseas investments... I am convinced that if we are to get on the right side of the world revolution, we as a nation **must undergo a radical revolution of values. We must rapidly begin the shift from a thing-oriented society to a person-oriented society.** When machines and computers, profit motives and property rights are considered more important than people, the giant triplets of racism, extreme materialism and militarism are incapable of being conquered.

Amy Goodman, journalist, USA

The GPS Editor in Chief Note. The sharp estimation of official press as well as the murder of Dr. King is a natural reaction to criticism of the USA militarist government but it changes nothing in his great historical value. As one of the politicians talked, "*the USA does not accept criticism: allowed only barely concealed delight.*" The main thing is turning friends into enemies happening around the world, including Vietnam, Iraq, Afghanistan, Syria and Ukraine and etc. Wherever the US wage war everywhere they turn friends into enemies and they receive a deep, crushing for itself **psychological and political defeat** confirming the historical conclusion King about US as "*the greatest source of violence in the world*" every day of their wars. **Now, indeed, America has lost its image of revolution, freedom and democracy, and will always be a symbol of violence and militarism.** This means its historic collapse as any empire, that proved Professor Galtung. Russia and all true peacemakers, if they really want world peace, should give to humanity this true understanding of the US empire, which was recognized by the Vietnamese Buddhists and Dr. King nearly 50 years ago.

26. Clark's List of "Major Aggressions" by the United States of America

The People vs. George Bush: Iraq War Crimes Tribunal. Laying a Foundation to Send the Bush Regime to a Tribunal of the World Court.

INDICTMENT: Letter by Ramsey Clark, former U.S. Attorney General, Representing Class Action by the People of the United States of America. Ramsey Clark on worldwide U.S. militarization. The case for impeachment is clear beyond question. A message from Ramsey Clark:

The list of Bush's crimes is long. The "Shock and Awe" invasion was Bush's war of aggression – **a crime identified as the "the Supreme international crime" by the Nuremberg Tribunal.** Remember Falluja, the American Guernica, a virtual destruction of a defenseless city by superior military technology (36,000 homes, 8,400 shops destroyed in the final assault alone); Abu Ghraib, the shameful celebration of sick forms of sexual torture; Haifa Street, Baghdad, where a U.S. helicopter gun ship killed 13 unarmed people and injured 50 dancing around a burned out Bradley Armored Vehicle; Abu Shifa, a small village, where U.S. soldiers were accused of rounding up civilians, forcing them into a room, then opening fire, killing 11 people, including a 75 year-old, a 6 month-old baby, and five children under the age five; Haditha, where Marines murdered 15 defenseless civilians, and injured many more, most women and children; and tiny Guantanamo, where the U.S. has compiled human rights violations in four years that have been denounced by the entire world including the United Nations. Yet President Bush arrogantly refuses to close the Guantanamo prison, or return the land and sovereignty to Cuba while U.S. officials fret over three prisoners who committed suicide in one day to "embarrass the U.S."

The grand total of civilian deaths in Iraq is probably more than 250,000, and rapidly growing. (The Lancet Medical Journal) U.S. military deaths exceed 2500, the seriously injured number more than 15,000 and the number who will suffer mental and physical impairment from the occupation of Iraq is in the unknown tens of thousands. What respect for human dignity! What reverence for life! What better way to make enemies? The necessity for citizen

action to secure impeachment is also clear beyond question. The Congress will not act unless We, the People demand it and vote those out of office who fail to respond.

Our government is geared for war as directed by transnational corporations, domestic industries, and the corporate media. **Both branches of our One Party system, Democrat and Republican, favor the use of force to have their way.** Consider,

- (1) Regime Change in Iran (1953) the Shah replacing democratically elected Mossadegh; Eisenhower (R);
- (2) Regime Change in Guatemala (1954) military government for democratically elected Arbenz; Eisenhower (R);
- (3) Regime Change in Congo (1961) assassination of Patrice Lumumba, Eisenhower (R)
- (4) The Vietnam War (1959–1975), Eisenhower (R), Kennedy (D), Johnson (D), Nixon (R);
- (5) Invasion of Dominican Republic (1965), Johnson (D);
- (6) Contra Warfare against Nicaragua (1981–1988), resulting in regime change from the Sandinistas to corrupt capitalists; Reagan (R);
- (7) Attack and occupation of Grenada (population 110,000)(1983–1987) Reagan (R);
- (8) Aerial attack on the sleeping cities of Tripoli and Benghazi, Libya, (1986) Reagan (R);
- (9) Invasion of Panama Regime Change (1989–1990), George H. W. Bush (R);
- (10) Gulf War (1991), George H. W. Bush (R);
- (11) "Humanitarian" occupation of Somalia leading to 10,000 Somali deaths (1992–1993) George H. W. Bush (R) and Bill Clinton (D);
- (12) Aerial attacks on Iraq (1993–2001) Bill Clinton (D);
- (13) War against Yugoslavia (1999) 23,000 bombs and missiles dropped on Yugoslavia, Bill Clinton (D)
- (14) Missile Attack (21 Tomahaw Cruise Missiles) destroying the Al Shifa Pharmaceutical Plant in Khartoum which provided the majority of all medicines for Sudan (1998) Bill Clinton (D);
- (15) Invasion and Occupation of Afghanistan, Regime Change (2001–present) George W. Bush (R);
- (16) War of Aggression against Iraq and Hostile Occupation (2003–present) George W. Bush (R);
- (17) Regime Change in Haiti (2004) Democratically elected Aristide for three years of chaos and systematic killing, George W. Bush (R).

There have been major aggressions every several years. Remember that every Congress in the past half century has approved excessive military budgets and the last three have approved increases that have made the U.S. military budget larger than those of all other nations combined.

The U.S. **will remain a military threat to the world until it vastly reduces its military expenditures. The single highest priority for peace is cutting the U.S. military budget.** The United States government may have been able to outspend the Soviet Union into economic collapse in the Cold War arms race, injuring the entire planet in the process. Now Bush has entered a new arms race and is provoking a Second Cold War with China. Yet what can China do, as the U.S. builds a first-strike oriented missile shield and uses Japan and a huge advanced military base at Pyongtaek on Korea's west coast, not 500 miles from Beijing?

The U.S. at this time is capable of striking any place on earth with a nuclear armed missile within one hour of the order to fire, launched from a Trident II, or other nuclear weapons system. We are at this time spending billions on a new generation of nuclear weapons that can be used tactically, against four blocks of Falluja, or an alleged Al Queda camp in Pakistan. At the same time, we threaten Iran and others for seeking to develop nuclear energy with the claim that they may build a crude bomb. Yet the only defense a nation today has to U.S. militarism is the threat of nuclear retaliation. The U.S. is seeking total dismantlement and prohibition of all weapons of mass destruction everywhere else, because it possesses the vast majority of all WMD's and far superior delivery systems.

George Bush loved being a War President while he was winning – winning over the bodies of impoverished and defenseless people, that is. Someone told him only war presidents can be great presidents. He will love war again if his polls go up. President Bush would rather make enemies by the use of force to have his way, than seek agreement with friends by helping others and recognizing their rights and interests. He prefers to go it alone, and then entice or

coerce whatever help he can get from others, whether it is for Iraq, global warming, the prohibition of land mines, or the use of minors in war, addressing hunger, poverty, AIDS, natural disaster relief, or most United Nations activities, and absolutely, the International Criminal Court which might indict him. He is spared defeat at the polls because he cannot seek re-election.

He can be held accountable only by impeachment. The American people must not acquiesce to his crimes. Consider that all the major candidates, Democrat and Republican – Clinton, Edwards, Kerry, McCain, Frist, – voted for the war and/or favor the Iraq Occupation. To stop U.S. militarism, **the U.S. must vastly reduce its military expenditures, 50% in five years and further down from there on.** It must use those savings to combat poverty, hunger, sickness and unemployment at home and abroad.

The U.S. must seek **friends by word and deed, rather than make enemies.** The harm George Bush has done to the way the rest of the world sees our country will take a generation to overcome, after we change our warlike ways. But the only way to convince the world that We the People do not approve of the conduct of George W. Bush is to impeach him. Otherwise we can only be seen as approving of his acts, or as powerless to prevent them. And the only way we can deter the next, and future Presidents, from seeking war rather than peace is to impeach George W. Bush and his key advisors now. Only then will political leadership know the American people will not accept more war.

Last week ImpeachBush.org placed an ad calling for the impeachment of George W. Bush on the second page of the internationally read newspaper, USA Today. The impeachment movement has placed similar ads in the Boston Globe, the New York Times, and the San Francisco Chronicle. The time to impeach is now. This movement has grown with your continuing support. Please make a donation to the campaign today so that the movement will grow in the coming months. Click here [33].

Ramsey Clark, June 15, 2006

The GPS Editor in Chief Note. Ramsey Clark brilliantly illustrated that both American parties – Republican and Democratic – are equally war parties and therefore the whole American democracy, together with the West one in whole, is democracy of militarism and death that make up its ineradicable pathology and degeneration. **Do the American people, as well as the peoples of the West, this militaristic, deadly and incurable sick democracy?** Its peace-loving, life-affirming and healthy alternative in the 21st century is Spherical democracy or democracy of SPHERONS (8.9.).

With regard to the 17 US war crimes against humanity listed by Clark and demanding an international tribunal, **the first crime should be the atomic bombing of Hiroshima and Nagasaki 70 years ago**, for which the US government did not repent up to now. Therefore, the US reserved for itself the possibility of its recurrence, a victim of which may become any "objectionable" for America the country that is a lethal threat to all humanity and demands an immediate judicial condemnation by global community.

Humanity in the GHA face expresses honor and praise to Ramsey Clark, who first proposed the idea of an international tribunal for the war crimes of the US world empire. But sadly, that no one peace-loving country, neither Russia, nor China, nor India and others have not found enough courage to support this idea Ramsey Clark for almost 25 years. GHA hopes that Global Peace Science will give them spiritual strength for this in the near future.

27. The USA War Crimes against Humanity.

Video Evidences for an International Tribunal. *Frank Dorrel*

The films I have listed below basically spell out what I like to call: "*The True Nature of U.S. Foreign Policy*". These films [34] are proof that the United States has killed as many as 20 million or more innocent people since the end of World War II – with many millions more being injured, losing their homes and having their way of life ruined. Therefore, **the true nature of US foreign policy, which has always been a militaristic and aggressive – this is genocide and war crimes against humanity within 70 years**, starting with the senseless and

barbaric atomic bombing peaceful cities of Hiroshima and Nagasaki, where was only the civilian population, about 200,000 of which were killed. Ramsey Clark first expressed the idea of the International Tribunal for the United States war crimes against Iraq, 1991 [35]. See: Also: David Swenson: War is a Crime [36] and [37]. They are additional evidences.

This list is the best way I can think of to help educate yourself and others who might be interested in knowing about this. I believe that the Americans who have died in these wars, have died for lies coming from our government and from our mainstream media, which are both owned by the same people who profit from these wars. It is what I call: “**The Big Lie**”. It is Orwellian and like The Matrix. I do not know what is actually going on now in Syria or Libya or the Ukraine, but one thing I do know is that we cannot trust that the United States will ever do the right thing when it comes to foreign policy. Whatever action this country takes is to benefit the corporations, the oil companies, the bankers and the war machine: also known as: The Military Industrial Complex. **The United States is ADDICTED To WAR** [38]. It is up to us to try to stop this horrible situation. There are more people in the United States now who do understand this to some degree than ever before in history.

The films listed below and many books that have been written on this subject are a big reason why this is so. Not to mention the many anti-war/peace groups there are in this country. And the Internet is another big reason there is more awareness about this. In the alternative media, *Democracy Now*, hosted by Amy Goodman, is the most listened to/watched program in this country. Their website is: www.democracynow.org. You will hear more truth by listening to *Democracy Now* than anywhere else. To everyone reading this message, thank you for your involvement, whatever it has been in all of this. And a big thank you to all of the filmmakers listed below, who have taken the time and effort to make these very important films that tell us the truth about what the United States has been doing to the people of the world.

Important Anti-War Films You Can Watch on-Line as Video Evidence of the U.S. War Crimes Against Humanity:

1. WAR MADE EASY: How Presidents & Pundits Keep Spinning Us To Death – Narrated by Sean Penn – By The Media Education Foundation – 2007: www.mediaed.org, www.youtube.com/watch?v=R9DjSg6l9Vs, www.warmadeeasythemovie.org
2. Bill Moyer's The Secret Government: The Constitution In Crisis – PBS – 1987: www.youtube.com/watch?v=28K2CO-khdY, www.youtube.com/watch?v=qJldun440Sk, www.topdocumentaryfilms.com/the-secret-government
3. The Panama Deception – Won Academy Award for Best Documentary in 1992 – Narrated by Elizabeth Montgomery – Directed by Barbara Trent – Produced by The Empowerment Project: www.empowermentproject.org/films.html, www.documentarystorm.com/the-panama-deception
4. Manufacturing Consent: Noam Chomsky & The Media – Produced & Directed by Mark Achbar – Directed by Peter Wintonick 1993: www.zeitgeistfilms.com, www.youtube.com/watch?v=3AnB8MuQ6DU, www.youtube.com/watch?v=dzufeDdQ6uKg
5. Hearts and Minds – 1975 – Academy Award Winning Documentary about The Vietnam War – Directed by Peter Davis 1 Hour 52 Minutes: www.criterion.com/films/711-hearts-and-minds, www.topdocumentaryfilms.com/hearts-and-minds, www.youtube.com/watch?v=1d2ml82lc7s, www.youtube.com/watch?v=xC-PXLS4BQ4
6. Paying The Price: **Killing The Children of Iraq** – By John Pilger – 2000: www.bullfrogfilms.com/catalog/pay.html, www.youtube.com/watch?v=GHn3kKySuVo, www.topdocumentaryfilms.com/paying-the-price, www.youtube.com/watch?v=8OLPWIMmV7s
7. Hijacking Catastrophe: 9/11, Fear & The Selling of the American Empire – Narrated by Julian Bond – The Media Education Foundation – 2004: www.mediaed.org, www.hijackingcatastrophe.org, www.vimeo.com/14429811, www.topdocumentaryfilms.com/hijackingcatastrophe

8. Cover-Up: Behind The Iran-Contra Affair – Narrated by Elizabeth Montgomery – Directed by Barbara Trent – Produced by The Empowerment Project – 1988:
www.youtube.com/watch?v=QOIMo9dAATw, www.empowermentproject.org/films.html
9. Occupation 101: Voices of The Silenced Majority – Directed By Sufyan & Abdallah Omeish – 2006 – Best Film I’ve Seen about the Israeli-Palestinian Conflict:
www.occupation101.com, www.youtube.com/watch?v=Yul5GP2LJAs,
www.youtube.com/watch?v=dwpvI8rX72o
10. PEACE, PROPAGANDA & THE PROMISED LAND: US Media & the Israeli-Palestinian Conflict – The Media Education Foundation – 2003: www.mediaed.org,
www.vimeo.com/14309419, www.mediaed.org/cgi-bin/commerce.cgi?preadd=action&key=117
11. “What I’ve Learned About US Foreign Policy: The War Against The Third World” –by Frank Dorrel – 2000: www.youtube.com/watch?v=V8POmJ46jqk,
www.youtube.com/watch?v=VSmBhj8tmoU, www.addictedtowar.com/dorrel.html
12. Breaking The Silence: Truth and Lies in The War on Terror – A Special Report by John Pilger – 2003: www.bullfrogfilms.com/catalog/break.html, www.youtube.com/watch?v=phehfVeJ-wk,
www.topdocumentaryfilms.com/breaking-the-silence, www.johnpilger.com
13. The War on Democracy – by John Pilger – 2007: www.bullfrogfilms.com/catalog/wdem.html,
www.johnpilger.com, www.topdocumentaryfilms.com/the-war-on-democracy,
www.youtube.com/watch?v=oeHzc1h8k7o, www.johnpilger.com/videos/the-war-on-democracy
14. Crisis In The Congo: Uncovering The Truth – By The Friends of the Congo – 2011:
www.youtube.com/watch?v=vLV9szEu9Ag, www.congojustice.org
15. NO MORE VICTIMS – Videos of 4 War-Injured Iraqi Children NMV Brought to the US for Medical Treatments: www.nomorevictims.org
16. What American Missiles Did to 9-Year Old Salee Allawi in Iraq:
www.nomorevictims.org/?page_id=95
17. Nora, A 5-Year Old Iraqi Girl: Who Was Shot in the Head by a US Sniper:
www.nomorevictims.org/children-2/noora, www.youtube.com/watch?v=Ft49-zlQ1V4
18. Abdul Hakeem’s Story – Narrated by Peter Coyote:
www.nomorevictims.org/?page_id=107
19. Alaa’ Khalid Hamdan – Narrated by Peter Coyote:
www.nomorevictims.org/children-2/alaa-khalid-2
20. Vietnam: American Holocaust – Narrated by Martin Sheen – Written, Produced & Directed by Clay Claiborne – 2008:
www.topdocumentaryfilms.com/vietnam-american-holocaust, www.vietnam.linuxbeach.net
21. KILL THEM ALL – This BBC Documentary reveals atrocities committed by the U.S. in Korea during the war: www.youtube.com/watch?v=Pws_qyQnCcU
22. Arsenal of Hypocrisy: The Space Program & The Military Industrial Complex – Bruce Gagnon & Noam Chomsky – 2004: www.space4peace.org, www.youtube.com/watch?v=Cf7apNEASPk
23. Beyond Treason – Written & Narrated by Joyce Riley Directed by William Lewis – 2005:
www.beyondtreason.com, www.youtube.com/watch?v=RRG8nUDbVXU,
www.youtube.com/watch?v=ViU7jA1ImQc
24. What I’ve Learned About U.S. Foreign Policy: The War Against The Third World:
www.addictedtowar.com/dorrel.html A 2-Hour 23-Minute Video by Frank Dorrel in 13 Parts:
1. Martin Luther King Jr. (02:55)
 2. John Stockwell, Ex-CIA Station Chief (06:14)
 3. Coverup: Behind The Iran-Contra Affair (19:34)
 4. School of Assassins (13:25)
 5. Genocide by Sanctions (12:58)
 6. Philip Agee, Former CIA Case Officer (22:08)
 7. Amy Goodman, Host of Democracy Now! (5:12)
 8. The Panama Deception (22:10)
 9. Crisis In The Congo (14:11)
 10. Dr. Dahlia Wasfi, Peace Activist (04:32)
 11. Jimmy Carter, Palestine: Peace Not Apartheid (04:35)

12. Ramsey Clark, Former U.S. Attorney General (07:58)

13. S. Brian Willson, Vietnam Veteran for Peace (08:45)

This video has been seen by millions of people since 2000. It is an excellent & invaluable educational tool that reveals the true nature of U.S. foreign policy. It's been screened in many high schools, colleges, churches, homes, on cable TV, in theaters and shown by many Peace & Justice Anti-War Organizations. The new segments are: Crisis In The Congo, Dr. Dahlia Wasfi & Jimmy Carter, Palestine: Peace Not Apartheid. Visuals have been added to the John Stockwell segment. To Order one DVD Copy Go To: www.addictedtowar.com/dvdorder.html. First Made in 2000. Updated with Three New Segments in 2015.

25. Vietnam: American Holocaust, Narrated by Martin Sheen – Written, Produced & Directed by Clay Claiborne – 2008 – 1 Hour: 26 Minutes: www.topdocumentaryfilms.com/vietnam-american-holocaust; This film exposes one of the worst cases of sustained mass slaughter in history, carefully planned & executed by **presidents of both parties**. Our dedicated generals & foot soldiers, knowingly or unknowingly, **killed nearly 5 million people**, on an almost unimaginable scale, mostly using incendiary bombs. Vietnam has never left our national consciousness & now, in this time, it has more relevance than ever.

26. "UNMANNED: AMERICA'S DRONE WARS" – Directed by Robert Greenwald of Brave New Films – 2013 – www.bravenewfilms.org

27. Collateral Murder In Iraq – Bradley Manning Sent this Video to Wikileaks: www.youtube.com/watch?v=5rXPrfnU3G0, www.collateralmurder.com, www.bradleymanning.org

28. The Friendship Village. Directed & Produced by Michelle Mason – 2002 – 51 Minutes: www.cultureunplugged.com/play/8438/The-Friendship-Village, www.cypress-park.m-bient.com/projects/distribution.htm

A timely, inspiring film about our ability to transcend war. 'The Friendship Village' tells the story of George Mizo, a war hero-turned-peace activist after losing his entire platoon in an opening salvo of the 1968 Tet Offensive of the Vietnam War. George's journey to heal the wounds of war leads him back to Vietnam where he befriends the Vietnamese General responsible for killing his entire platoon. Through their friendship, the seeds of the Vietnam Friendship Village Project are sewn: a reconciliation project near Hanoi that treats children with Agent Orange-related illnesses. One man could build a village; one village could change the world.

Frank Dorrel, Publisher of: "ADDICTED To WAR: Why The U.S. Can't Kick Militarism", 2015. "What I've Learned About U.S. Foreign Policy". **Address:** P.O. Box 3261, Culver City, CA, USA 90231-3261. **Web:** www.addictedtowar.com **E-mail:** fdorrel@addictedtowar.com

Dr. Leo Semashko's Editor in Chief Comment. The USA war crimes facts during 70 years presented in these and other films, as well as in many similar books and articles are convincing proof the Global Peace Science (GPS) conclusion: "The US/NATO global military axis, established US – is main threat, obstacle and enemy of world peace, and key source of global nuclear war as humanity catastrophe in the 21st century, to prevent that requires equally global Gandhi's nonviolent resistance and isolation of this source based on GPS." Empire, which easily kills millions of innocent victims, should bear legal condemnation and punishment, which require hundreds of experts and dozens of nations.

28. Nearly 8 Million Muslim Casualties in US-Led War On Terror

Mnar Muhawesh

Is the United States and its allies **committing genocide in the global war on terror**? Mnar Muhawesh was invited to speak with RT America's Watching the Hawks to discuss this and the real cost of war.

The biggest misconception about the war on terror is that it started in 2003 with the US invasion of Iraq and Afghanistan. But the truth is, that war was just an extension and continuation of US led military operations in those nations from the early 80s and 90s, bringing the actual death toll of Muslims to as high as 8 million.

These wars having nothing to do with Islam, Muslims or terror for that matter – these wars about securing oil interests in the region [38a].

Mnar Muhawesh is founder, CEO and editor in chief of MintPress News. In 2009, Muhawesh also became the first American woman to wear the hijab.

29. U.S. Holds the World Record of Killings of Innocent Civilians

John McMurtry

Interview with Prof. John McMurtry [39] A world-renowned Canadian philosopher argues that the United States holds **the world record of illegal killings of unarmed civilians and extrajudicial detention and torturing of prisoners** who are detained without trial. Prof. John McMurtry says that **the U.S. government is a gigantic mass-murdering machine which earns profit through waging wars, and is never held accountable over its unspeakable war crimes and crimes against humanity**. He also believes that the U.S. has become a **police state**, which treats its citizens in the most derogatory manner.

“I have travelled alone with only backpack possession through the world, and have found no state in which police forces are more habituated to violent bullying, more likely to draw a gun, more discriminatory against the dispossessed, and more arbitrarily vicious in normal behavior,” said McMurtry. **“The US now leads the globe in an underlying civil war of the rich against the poor.”** “The US can ... detain, kidnap and imprison without trial or indictment any US citizen or other citizen anywhere by designating them enemies to the US,” Prof. John McMurtry noted in an exclusive interview with Fars News Agency.

According to the Canadian intellectual, the United States statesmen **have long supported dictatorial and tyrannical regimes and even funded and armed the Nazi regime of Adolf Hitler in the period between 1939 and 1945**.

John McMurtry is a Professor Emeritus of Philosophy at the University of Guelph, Canada. In 2001, Prof. McMurtry was named a Fellow of the Royal Society of Canada for his outstanding contributions to the study of humanities and social sciences. His latest major works are his 15-year study, *“The Cancer Stage of Capitalism: From Crisis to Cure”* and three monumental volumes commissioned by UNESCO for its Encyclopedia of Life Support Systems entitled *“Philosophy and World Problems.”* McMurtry’s articles and writings regularly appear on different newspapers and online magazines across the world.

Prof. McMurtry took part in an in-depth interview with FNA and responded to some questions regarding the U.S. project of the War on Terror, its military interventions in Iraq and Afghanistan and the September 11, 2001 attacks. The following is the text of the interview.

Q: Prof. McMurtry; it was following the 9/11 attacks that the United States launched its project of War on Terror. The venture has so far cost the lives of thousands of innocent, unarmed civilians across the world, including in Afghanistan, Iraq, Pakistan, Yemen, Somalia and Libya; **however, the civilian cost of the Global War on Terror has been mostly ignored by the mainstream media and the politicians in the West**. Why do you think they’ve overlooked the enormous rate of civilian casualties resulting from an endeavor which was purportedly aimed at exporting democracy and liberal values to the world?

A: In the US’s so-called War on Terror, by far the greatest and most systematic terrorization of civilians is in fact perpetrated by the US state itself. Unarmed citizens are murdered across the world as ‘collateral damage’, ‘illegal enemy combatants’ or other license of impunity. The US state conceives itself as above international law along with ally Israel, but this reality is taboo to report and so too all the killing and terrorization of civilians. One can truly say that **“the historical record demonstrates the US is provably guilty of continual lawless mass murder of civilians across the world”**, but the truth is unthinkable within the ruling ideological regime. Consider for example, the US-led deadly civil wars and coup d’états in Venezuela and Ukraine as well as Libya and Syria. They mass terrorize and destroy societies into defenseless dependency so that their resources, lands and markets are “free” for transnational corporate exploitation. Yet the meaning is un-decoded. **Ignorance is built into the syntax of acceptable thought**.

Q: Many immigrants who seek refuge in United States from the four corners of the globe in search of a better and more prosperous life think of America as an absolutely free, democratic and open society with abundant opportunities for economic and social progress. However, **you’ve argued, as many scholars did, that the United States is a police state...**

A: Deception allies with ignorance. **I define a police state as a society in which there is unlimited state power of armed force freely discharged without citizen right to stop it...** Thus in “free and democratic America”, **more citizens are caged than any country in the world...**

Q: The U.S. government has **traditionally supported the oppressive regimes that are widely considered as dictatorial and tyrannical.** Some examples include the successive U.S. governments’ support for the regimes in Saudi Arabia, Bahrain, Egypt and Israel. Isn’t such an approach contrary to the democratic principles which the U.S. Constitution is said to be oriented on?

A: Certainly the US has long supported dictatorial and tyrannical regimes. In fact **US corporations and banks led the funding and arming of Hitler and the Nazis even during the 1939–45 War,** and official US support of murderous dictatorships afterwards has been normalized since the CIA’s foundation in 1947. In the years since 9/11, US government has covertly directed funding and arming of the most destructive armed forces including jihadists, not only in the nations you mention, but in Syria and before that Libya, Iraq, Somalia, and Afghanistan and many much less known places like Mali. **Ukraine has been similarly launched into civil war and escalated oppression by US-led destabilization, covert Special Forces, and local fascists...** In fact, despite some stirring phrases without binding force, the ultimate concern of **the US Constitution is the protection of private property and wealth at the top against the masses and democratic reversal.** The ultimately governing value is profitable and unfettered private commerce, the “commerce clause” being the only way found to enforce the civil rights of Blacks...

The cornerstone of international law is thus silenced while the media go on calling opponents “unpatriotic” or “terrorists” – as in Nazi Germany. If law-abiding states do not stand and join for the rule of international life-protective law, there seems no end.

John McMurtry, Professor Emeritus of Philosophy, Guelph University, Canada.

30. The United States is the Biggest Terrorist Country in the World

Frank Dorrel

I believe that 9-11 was an inside job, done by certain people in the United States. The films listed below convinced me of this many years ago. Prof. David Ray Griffin has been my favorite 9-11 Truth person [40]. Richard Gage, founder of: “Architects & Engineers For 9-11 Truth” – is also very convincing [41]. **2,254 Architects & Engineers have signed the Petition [42] demanding a new investigation into the destruction of all three World Trade Center skyscrapers on 9/11.** I have met, listened to and talked with David Ray Griffin, Richard Gage, Dylan Avery [43], Sofia Smallstorm [44], Dave VonKleist [45], Massimo Mazzucco [46] and many others. **They all make sense and they all are basically saying the same thing. Trying to convince people that 9-11 was an inside job.**

My main thing since 2000 has been US foreign policy. Most of you know that I publish the anti-war book titled: “ADDICTED To WAR: Why The US Can’t Kick Militarism” by Joel Andreas [47]. And in 2000 I put together my film titled: “What I’ve Learned About US Foreign Policy: The War Against The Third World” [48]. And by the way, they are both being updated. Today is September 11th and I am choosing to once again send you the on-line films that have convinced me that 9-11 was an inside job. I will always have much respect for those doing the good work in the anti-war movement, whether they believe that 9-11 was an inside job or not. I take my hat off to all of these 9-11 filmmakers & truth-tellers. It’s not an easy thing to do as so many people will either think you are crazy or not playing with a full deck – that it just cannot be true. But the same thing goes for trying to convince people that **the United States is the biggest terrorist country in the world.**

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31. Dick Cheney Should Be Prosecuted for War Crimes:

Former International Court of Justice Judge. *Sarah Lazare*

Former ICC judge Thomas Buergenthal said he believes that the architects of mass torture during the George W. Bush era, such as former vice president Dick Cheney, will eventually face prosecution. A former judge for the International Court of Justice and renowned expert on human rights law told a reporter this week that former vice president Dick Cheney should be prosecuted for war crimes and torture [49]. (See also [50]).

Eighty-one-year-old Thomas Buergenthal told Newsweek journalist Robert Chalmers that "*some of us have long thought that Cheney, and a number of CIA agents who did what they did in those so-called black holes [overseas torture centers] should appear before the ICC [International Criminal Court].*" "*We [in the USA] could have tried them ourselves,*" added Buergenthal. "*I voted for Obama but I think he made a great mistake when he decided not to instigate legal proceedings against some of these people.*" The former judge added that, despite the inaction so far, he believes eventual charges are inevitable: "*I think – yes – that it will happen.*"

Buergenthal was born in the former Czechoslovakia and currently lives in Maryland where he works as a professor of law at George Washington University. He served for a decade as a judge for the International Court of Justice – the main judicial arm of the United Nations – before retiring in 2010. Chalmers described him as the "*most distinguished living specialist in international human rights law.*" The occasion for the interview was the release of Buergenthal's new memoir, *A Lucky Child, about surviving the Holocaust*. The conversation covered far more territory than the war crimes of the former U.S. vice president, touching on the plight of Syrian and Iraqi refugees, as well as anti-black racism in U.S. police departments. Buergenthal also described former President George W. Bush as "*an ignorant person who wanted to show his mother he could do things his father couldn't.*"

Sarah Lazare, Common Dreams, staff writer, USA: <http://www.commondreams.org>

32. Why Does America Torture? *Alan Gilbert*

On December 21, the New York Times called editorially for the prosecution of torturers, based on the Senate Intelligence Committee's 600 page Executive Summary on torture. The Times says rightly that the US government will only be considered a defender of human rights if it acts against these powerful torturers under the law. **And beyond the Senate report, it names Cheney and his minions as those who need to be prosecuted, though interestingly not President George W. Bush who is plainly guilty of ordering torture.** For the Times, in its effort to restore the law, criminal Presidents must apparently, no matter what their crimes, must go scot-free. But if the President need pay no attention, so much for the rule of law. The Times and others need to shed their surviving obsequiousness to torture and murder...

As intelligence professionals like Ray McGovern have long insisted, torture never gets useful information. Why then is it done? In an article from *Veterans Today*, a journal of the "Clandestine Community," Jim W. Dean underlines the likely planting of false information which leads to repulsive foreign policy decisions – the second Iraq aggression, the disgrace of black sites, the corrupting of the European community (the carefully blacking out of names of allies in the Senate Report by the solicitous CIA/Obama administration), and most importantly, the trashing of the law against torture as the centerpiece of international law and of American law. It is this last point on which the Times' editorial finally touches.

Habeas corpus – the right of each prisoner to a day in court and not to be tortured – is, as Philip Soper argues, the central feature of a system of law as opposed to despotism. It is what had distinguished (somewhat, if one does not disregard genocide against indigenous people, the ordinary practice of slavery, Jim Crow and the like, which mark American history...) the US or English system of law from, say, the Chinese...

But to point to American practices in the black sites and Guantanamo underlined in the 600 page Executive Summary of the Senate Torture Report – published against the will of Obama and the CIA under tremendous pressure from below and from some determined Senators – and there is no difference in kind...

But the clash between habeas corpus, enshrined in the Magna Carta in 1215 and then fought over for 400 years or the international agreements making an absolute ban on torture and which are also centerpieces of American law (and for which the Nuremburg and Tokyo tribunals, under American prosecutorial leadership, executed Nazi and Japanese war criminals after WWII), and these Chinese/Bush-Cheney enacted/Obama-protected practices is noisome...

I conjoin with Dean's comments a post I put up in 2009 on Mr. Cheney "What the Torturer Knew." What is most clear about the barbarity of American torture is that the CIA torturers were even repulsed themselves by water boarding Abu Zubaydah 82 times, asking in the middle to stop. For this was the practice, as the Senate Report makes clear, of "ensuring" the prisoner knew nothing beyond what he had confessed not under torture, a criminal policy that took torture on many individuals, without any justifiable suspicion, to the max... David Addington, Cheney's "man," stilled them: "Be Men!" But torture did not – ever, once – get any useful information (see the Torture Report and Andrew Sullivan here and the New York Times editorial below)...

The American invasions of the Middle East starting with the first Gulf War reveal 25 years of decline, the latest with no boots on the ground except some mercenary "invisibles," are signs of an unpromising, decadent, militarist addiction. Better the US clean up its torture act; read the Senate Report and ask yourself – are "we" better, in kind, than the hideous IS – and the difficulty in the answer may startle you. For as Cheney said on Meet the Press, torturing innocents to death, hung up when their legs were broken, in stress positions, and anal rape, no biggie. The only criminals are those who did 9/11... See here. Defending the Bill of Rights and human rights promise something different...

It is mainly the danger of winds blowing from the top – the thuggish Cheney, the hapless and easily incited Bush – and the pressures of American militarism or war complex dominated politics funded at a trillion dollars a year (the official Pentagon and "intelligence" budgets) – pushing things ever to the Right. The latter is what I call the "right wing two step" in which one oligarchic party calls out for craziness hoping to win elections given a compliant mainstream press, coupled with the other oligarchic party putting up little fight – Obama's bombing of Syria is the latest illustration...

The Senate Report misleadingly concentrates on the CIA, leaves aside the criminal Bush administration. And the Times editorial restricts the matter too much. **So I also include a piece by William Boardman on 12 top war criminals**, CIA director George Tenet and Mitchell and Jesson, the "psychologist" novice interrogator/torture enthusiasts being but numbers 11 and 12 – see also here. It is worth taking in how extensive this program was (only Colin Powell objected to it, was apparently out of the loop...).

Even Boardman thus adjusts somewhat to the "politics" of the powerful. But Obama, who represented some hope when he came into office, has become an accomplice to torture, and the next election (unless Rand Paul is nominated and holds onto some principle) will be, without a movement from below, between abettors of neo-cons/friends of torturers (Hillary supports Obama's initial renunciation..., yet opposes bringing war criminals to justice...) ... [51] (See also Robin, Marie-Monique (2009) *Torture Made in USA*: [52]).

Alan Gilbert is John Evans Professor at the Josef Korbel School of International Studies of the University of Denver, USA.

33. Top 10 Torturer List Actually Includes Hundreds or More

William Boardman

Obviously guilty: two presidents and much of two administrations... [53].

Top 10 Government Torturers, 2001–2014

1. **George Bush**. As president, he's accountable for all the acts of his administration, especially the ones he ordered and/or approved. An anonymous CIA spokesman says Bush "fully authorized torture."

Karl Rove says Bush knew about and approved of torture, and participated in it, as did Rove. Dick Cheney says Bush knew and approved. In early 2008, Bush vetoed legislation designed to control the CIA, including a ban on waterboarding. Congress failed to override the veto. Bush was convicted in Kuala Lumpur in 2012.

2. **Dick Cheney.** The vice president says he knew, he approved, and he would “do it again in a minute.” He has famously promoted “the dark side.” He was convicted in Kuala Lumpur in 2012.

3. **Condoleezza Rice,** National Security Advisor, knew, approved, and participated. She has pleaded bad memory to Congress, but still publicly defends torture now. Her assistant and successor, Stephen J. Hadley, was either in the loop or unbelievably feckless, as were an unknown number of staffers and members of the National Security Council.

4. **Andrew Card,** White House chief of staff, knew, approved, and participated, even though he’s a Life Boy Scout...

5. **Alberto Gonzales.** As White House Counsel, and later as Attorney General, he not only knew, approved, and participated, he was one of the main legal apologists for the torture regime...

6. **Jay Bybee.** As an Assistant Attorney General under the late (but guilty) John Ashcroft, Bybee was in charge of the Office of Legal Counsel, the office that decides what’s legal, subject to reversal only by the attorney general or the president. Bybee was the midwife of Bush torture policy justifications, a number of legal memoranda that allowed the Bush administration to claim that torture and other crimes were legal. These are generally known as the “Torture Memos”...

7. **John Yoo.** Working in the Office of Legal Counsel under Bybee, Yoo was the prime author of several of the torture memos, built on the philosophical premise that there are no constraints on the president’s power as commander-in-chief (a legal coup d’etat effectively rendering the Constitution irrelevant and the president omnipotent, all done in secret)...

8. **David Addington.** Legal counsel (and later chief of staff) to Dick Cheney, Addington was by many accounts among the hardest of the hardliners driving to the dark side, backed by Cheney’s full authority. He knew, he approved, and he participated in U.S. torture program and their legal fig leaves...

9. **Donald Rumsfeld.** As Secretary of Defense, Rumsfeld knew, approved and participated in torture programs wherever the military went. Abu Ghraib. Bagram. Guantanamo. And other places, some unknown. Rumsfeld expresses no remorse, least of all in the documentary “The Unknown Known.” Rumsfeld’s deputy, **Paul Wolfowitz,** knew, approved, and participated in torture programs, seeking information to justify the war on Iraq. He is now a senior fellow at the American Enterprise Institute. **William Haynes,** general counsel for the Defense Department, knew, approved, and participated in torture programs...

10. **James Mitchell and Bruce Jessen.** Private contractors and PhD psychologists who call themselves Dr., Mitchell and Jessen **were paid \$81 million** (on a \$180 million contract) to torture people. Both are retired Air Force officers on government pension. Reportedly the CIA has indemnified them against liability for any crimes they’ve committed. They were hands-on torturers and know, literally, where at least some of the bodies are buried. CIA general counsel **John Rizzo** (who also knew, approved, and participated in torture) called Mitchell & Jessen’s techniques “sadistic and terrifying”...

11. **George Tenet.** The Clinton-appointed head of the CIA is awash in torture-guilt, but that pales compared to his role in lying the U.S. into an aggressive war in Iraq, **one of the highest war crimes.**...

How does any nation recover from being a rogue state? Even though this top 10 list includes way more than ten people guilty of participating in torture, it’s by no means an exhaustive list of all the government workers with greater or lesser **culpability for crimes against humanity over the past three presidencies.** Kidnapping, euphemistically called extraordinary rendition, grew popular in the Clinton administration and there’s no reason to believe our government has abandoned the practice, any more than the government has given up torture, illegal detention, or assassination. The U.S. may be less of a rogue state now than it was a decade ago, but it’s still far from an honorable member of the international community that accepts accountability under international law.

To be clear, torture has long been a chronic, low level vein of criminality by U.S. government operatives, with bipartisan collusion at least since the beginning of the Cold War. Torture (and murder) was endemic to the American Indian Wars of the 19th century and to U.S. military predation in the Philippines (1899–1913), where Mark Twain described the troops as “our uniformed assassins.”

The U.S. Defense Department, formerly the War Department, has considered torture one of its options during its entire existence, used sparingly perhaps by the U.S. government but encouraged among our proxies around the world. Starting in 1946, the School of the Americas (now known euphemistically as the Western Hemisphere Institute for Security Cooperation) has periodically trained the military officers of Latin American dictatorships in the uses of torture in peacetime.

The CIA and its proxies have used torture on an as-needed basis since the CIA was created in 1947. The CIA's Phoenix Program in Viet-Nam combined torture and assassination in a years-long terror campaign against the Viet Cong (also terrorists). What the CIA did in Laos, Cambodia, and elsewhere is less well known (if known at all) but not less ugly and criminal. Some sense of official atrocity can be inferred from the CIA torture manuals supplied to Central American dictatorships during the Reagan administration...

The Obama administration has a moral and legal duty to bring American war criminals of three administrations to justice. **Not to do so is to continue to use American exceptionalism as a justification for the worst crimes against humanity.** The national precedent is to honor those most responsible for government crimes, but what honor is there in that?

William M. Boardman has over 40 years experience in theatre, TV, print journalism, and non-fiction, USA.

34. Visas for Al Qaeda: CIA Handouts That Rocked the World: An Insider's View. Hidden Truth About State-Sponsored Terrorism Revealed U.S. Support for Al Qaeda, ISIL Laid at Uncle Sam's Door. *Michael Springmann*

Press-realise (<http://www.michaelspringmann.com/images/press-release.docx>).

WASHINGTON, D.C. – Here is the origin of the Global War on Terror. **It's not the mujahideen, al-Qaeda, ISIS./ISIL/IS. It's the United States of America.**

"Visas for Al Qaeda: CIA Handouts That Rocked the World" [53a] **blames the destruction of entire countries and the deaths of millions** on high American government officials. Organized around a country by country description of brand-name-changing **terrorists in Yugoslavia and the Middle East**, this book shows how murderers, war criminals, and human rights violators are all tied to American government policy. *"Visas for Al Qaeda"* demonstrates **U.S. cooperation with nearly all of the repressive governments in the region** to train, arm, equip, and finance violence.

J. Michael Springmann, a former State Department insider exposes the real background and origins of America's involvement with extremism. Fighting for 25 years to learn about his dismissal from the Foreign Service, his research divulges **the close ties between the State Department and the CIA.** To research Visas for al Qaeda, the author drew on mainstream media, progressive websites, and interviews with knowledgeable sources. This explosive book's 250 pages and more than 400 footnotes make it an invaluable tool for students, academics, diplomats, and citizens seeking information on how foreign policy is really carried out.

Thousands of American soldiers and civil servants have lost their lives in the War on Terror. Innocent citizens of many nations, including Americans killed on 9/11, have also paid the ultimate price. **While the US government claims to stand against terror, this same government refuses to acknowledge its role in creating what has become a deadly international quagmire.** *"Visas for al-Qaeda: CIA Handouts That Rocked the World"* sets the record straight by laying the blame on high-ranking US government officials.

During the 1980s, the CIA recruited and trained Muslim operatives to fight the Soviet invasion of Afghanistan. Later, the CIA would move those operatives from Afghanistan to the Balkans, and then to Iraq, Libya, and Syria, traveling on illegal US visas. These US-backed and trained fighters would morph into an organization that is synonymous with jihadist terrorism: al-Qaeda.

J. Michael Springmann served in the USA government as a diplomat with the State Department's Foreign Service, with postings in Germany, India, and Saudi Arabia. He currently practices law in the Washington, DC, area: <http://www.michaelspringmann.com/index.html>

V. USA/NATO: “Corporate Fascism” (Paupp), “Rogue State” (Blum),
“Broken Democracy” (Quelly), “Deadliest Export of Democracy” (Blum) and
“Corrupts Absolutely” (Manchanda)

35. The Murder of American Democracy by Corporate Fascists

Terrence Paupp

Yet Alexis de Tocqueville (1805–1859), French politician, author of the historical-political treatise "Democracy in America" (2 volumes, 1835, 1840), expressed concern about the possibility of degeneration of the American republic into "democratic despotism" [54]. On this point, Professor Wolin has commented upon this warning: "*if democracy failed to cultivate participatory forms that engaged politically the energies of the ordinary citizen, political populism would be displaced by a cultural populism of sameness, resentment, and mindless patriotism, and by an anti-political form he labeled 'democratic despotism'.*" Its development, especially in the Bush-2 presidency led to what **I am calling “Corporate Fascism [55, 71–74].” This is what has not just undermined, but has effectively murdered democracy in the USA [55; 56].**

Under President Barack Obama, it is now evident that democracy has not done much better than it did under Bush-2. For example: (1) illegal NSA spying – as revealed by Edward Snowden – has eviscerated privacy rights and threatened political dissenters who are committed to civil disobedience against an intrusive state; (2) the CIA has remained “above the law” with regard to its illegal torture of people around the global village; (3) the Wall Street bankers (criminals) who illegally stole over \$14-Trillion of wealth from the American people have not been placed in jail and are still free to create the next global financial crisis; (4) wealth disparity and inequality continue to grow even as wages stagnate while the incomes of the CEO corporate-fascists surge into the billions; (5) foreign tax shelters under the US Tax Code are responsible for stealing trillions of dollars from the US Treasury that could be used for schools, health care, better wages, and a new commitment to worker’s rights and growing union membership as a counterbalancing force against the **“power elite” of the US capitalist oligarchy.**

In short, while the US condemns the human rights record of other nations, **its own human rights records is among the worst in the world. Further, the US elite shows its contempt for democracy and that fact is evident in the unwillingness of both major political parties to serve the people.** Instead, Washington and Wall Street are locked in an unholy alliance that serves the rich “One Percent.” The rest of the nation is told to engage in “shared sacrifice” – which is a code phrase for taking on austerity measures.

On the domestic front, the excesses of the McCarthy years would reappear in Nixon’s Watergate scandal and through George W. Bush’s USA Patriot Act. The threat of a developing American police state could be glimpsed in disguised references to martial law in times of “emergency,” echoing the Latin American version of a state of siege. The growth of America’s prison-industrial-complex exposed not only the inequities of a class divided society, but the degree to which the law of corrections had been corrupted by the Reagan revolution’s emphasis upon economic “privatization” and its own ideologically driven version of what constitutes “law and order.” Both the growth and ideology of the prison-industrial complex remained intact under the rule of both the Republican and Democratic parties. **This racist mentality has resurfaced with a vengeance in the Obama years** as black youth are routinely murdered by racist police and racist “white” elements that have no respect for human life, democracy, or the dignity of the person.

The names of Trayvon Martin and Michael Brown are just two of the names that have come to national attention in the Obama years as young black men are killed off right and left. Yet, there has been no structural change, no real effort to legally protect the human rights of the victims and their families. **Instead, mindless laws such as “stand your ground” and the unwritten rules about how police have a right to “shot first and ask questions later”**

continue to be the modus operandi of the day. In this environment, there is no “hope” of which Obama spoke and campaigned on as he ran for president. Rather, there is the silence of the grave for the victims and the continuing structural injustice of those **who enjoy their privileged positions in the hierarchy of “Corporate Fascism.”**

On the international front, the anarchical character of international relations would be exposed in the US sponsored and supported overthrow of the Chile’s democratically elected Allende regime and its replacement with the right-wing terror of General Pinochet’s military junta. America’s alliances with Europe would strain and crumble as an unchecked second Bush presidency ignored the UN in its decision to undertake unilateral action against Iraq. **The United States Congress would continually abdicate its constitutional role – in a system of checks and balances – to restrain presidential war-making.** With the congressional surrender of its power to declare war, it opened the floodgates of international lawlessness by its de facto endorsement of the Bush Doctrine. It is this same lawlessness that has characterized the Obama presidency with the illegal use of drone strikes, the US-NATO overthrow of the Libyan government, and various interventions into Africa from the Sudan to the Congo.

In the aftermath of the events of 9/11, the Bush administration embarked upon a lawless path to legitimize the US Global Empire’s destruction of national sovereignty under the rubric of preemptive war. The congress had removed the restraints of the War Powers Act, which had been intended to circumscribe the president’s power to place American troops abroad for more than 90 days without future congressional authorization. The congressional surrender of its constitutional obligations resulted in the resurrection of the Imperial Presidency, and with it the potential for war without end. In short, the congressional abdication of its responsibilities to restrain the executive resulted in adding new dimensions to the president’s foreign policy quiver of arrows. Obama has continued down this same path without significant congressional opposition.

The birth and evolution of “democratic despotism” in the USA. A resurgent imperial presidency would also account for the drift toward draconian solutions to domestic social problems that could no longer be addressed by weakened democratic institutions. By 2004, wealth inequality between social classes widened, **millions more Americans fell below the poverty line.** In the absence of federal intervention health care, costs zoomed out of control. At the same time, the wealthiest 1 percent of the population received a \$1.4 trillion tax break from the Bush administration.

With the sabotage of congressional oversight, the surrender of the congressional war-making power, and the congressional corruption of the power of the purse, there is little incentive to abide by the letter or even the spirit of the law. Laws could be rewritten or introduced to accommodate the requirements of the command posts of the power elite. In other words, **the buying of the congress has led to the constitutional disempowerment of the congress, as well as its ethical corruption in conjunction with a culture of lobbyists. The USA has become a nation that murdered its own democracy in order to allow for the formal rule of the “Divine Right of Capital.”** This has produced “*Corporate Fascism.*” This is just one example of hundreds that can be cited to prove that **in the last 50 years the world has witnessed the transformation of America by its plutocracy.**

Some scholars have argued that the transformation of America, under the Bush-2 regime, is the legacy of Reaganism. Reagan and his foremost disciple George W. Bush effectively created a plutocracy where the United States is no longer a government of the people, by the people, and for the people, **but is ruled by the wealthiest individuals and corporate America.** This is what I am calling “*Corporate Fascism.*” America’s last real president was John F. Kennedy. He was assassinated by a conspiracy that involved the managers and supporters of “*Corporate Fascism*” – Wall Street bankers and financiers, CIA agents, hawks in the Pentagon, mafia contract killers hired by the CIA to kill foreign leaders, and an alliance

between Texas and New York oilmen. These conspirators and their children still reign as America's new "power elite" and have created "*Corporate Fascism*" for their own greed and lust for power – irrespective of the fact that they have murdered American democracy and its true democratic leaders without a tint of remorse [56].

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36. Why the Rise of Fascism is again the Issue. *John Pilger*

Had the Nazis not invaded Europe, Auschwitz and the Holocaust would not have happened. Had the United States and its satellites not initiated their war of aggression in Iraq in 2003, almost a million people would be alive today; and Islamic State, or ISIS, would not have us in thrall to its savagery. They are the progeny of modern fascism, weaned by the bombs, bloodbaths and lies that are the surreal theatre known as news. Like the fascism of the 1930s and 1940s, big lies are delivered with the precision of a metronome: thanks to an omnipresent, repetitive media and its virulent censorship by omission. Take the catastrophe in Libya.

In 2011, Nato launched 9,700 "strike sorties" against Libya, of which more than a third were aimed at civilian targets. Uranium warheads were used; the cities of Misurata and Sirte were carpet-bombed. The Red Cross identified mass graves, and Unicef reported that "most [of the children killed] were under the age of ten". The public sodomising of the Libyan president Muammar Gaddafi with a "rebel" bayonet was greeted by the then US Secretary of State, Hillary Clinton, with the words: "*We came, we saw, he died.*" His murder, like the destruction of his country, was justified with a familiar big lie; he was planning "genocide" against his own people. "*We knew... that if we waited one more day,*" said President Obama, "*Benghazi, a city the size of Charlotte, could suffer a massacre that would have reverberated across the region and stained the conscience of the world.*" This was the fabrication of Islamist militias facing defeat by Libyan government forces. They told Reuters there would be "a real bloodbath, a massacre like we saw in Rwanda". Reported on March 14, 2011, the lie provided the first spark for Nato's inferno, described by David Cameron as a "humanitarian intervention".

Secretly supplied and trained by Britain's SAS, many of the "rebels" would become ISIS, whose latest video offering shows the beheading of 21 Coptic Christian workers seized in Sirte, the city destroyed on their behalf by Nato bombers. For Obama, David Cameron and then French President Nicolas Sarkozy, Gaddafi's true crime was Libya's economic independence and his declared intention to stop selling Africa's greatest oil reserves in US dollars. **The petrodollar is a pillar of American imperial power. Gaddafi audaciously planned to underwrite a common African currency backed by gold, establish an all-Africa bank and promote economic union among poor countries with prized resources.** Whether or not this would happen, the very notion was intolerable to the US as it prepared to "enter" Africa and bribe African governments with military "partnerships". Following Nato's attack under cover of a Security Council resolution, Obama, wrote Garikai Chengu, "*confiscated \$30 billion from Libya's Central Bank, which Gaddafi had earmarked for the establishment of an African Central Bank and the African gold backed dinar currency*"...

Since 1945, **more than a third of the membership of the United Nations – 69 countries – have suffered some or all of the following at the hands of America's modern fascism.** They have been invaded, their governments overthrown, their popular movements suppressed, their elections subverted, their people bombed and their economies stripped of all protection, their societies subjected to a crippling siege known as "sanctions". The British historian Mark Curtis estimates the death toll in the millions. In every case, **a big lie was deployed...**

The common thread in fascism, past and present, is mass murder. The American invasion of Vietnam had its "free fire zones", "body counts" and "collateral damage". In the province of Quang Ngai, where I reported from, many thousands of civilians ("gooks") were murdered by the US; yet only one massacre, at My Lai, is remembered. In Laos and Cambodia, the greatest aerial bombardment in history produced an epoch of terror marked today by the spectacle of joined-up bomb craters which, from the air, resemble monstrous necklaces. **The bombing gave Cambodia its own ISIS, led by Pol Pot.**

Today, the world's greatest single campaign of terror entails the execution of entire families, guests at weddings, mourners at funerals. **These are Obama's victims.** According to the New York Times,

Obama makes his selection from a CIA "kill list" presented to him every Tuesday in the White House Situation Room. **He then decides, without a shred of legal justification, who will live and who will die.** His execution weapon is the Hellfire missile carried by a pilotless aircraft known as a drone; these roast their victims and festoon the area with their remains. Each "hit" is registered on a faraway console screen as a "bugspat"...

Uniting fascism old and new is the cult of superiority. "I believe in American exceptionalism with every fibre of my being," said Obama, evoking declarations of national fetishism from the 1930s. As the historian Alfred W. McCoy has pointed out, it was the Hitler devotee, Carl Schmitt, who said, "*The sovereign is he who decides the exception.*" **This sums up Americanism, the world's dominant ideology.** That it remains unrecognised as a predatory ideology is the achievement of an equally unrecognised brainwashing. Insidious, undeclared, presented wittily as enlightenment on the march, its conceit insinuates western culture. I grew up on a cinematic diet of American glory, **almost all of it a distortion.** I had no idea that it was the **Red Army that had destroyed most of the Nazi war machine, at a cost of as many as 13 million soldiers. By contrast, US losses, including in the Pacific, were 400,000.** Hollywood reversed this...

There are no heroic movies about America's embrace of fascism. During the Second World War, America (and Britain) went to war against Greeks who had fought heroically against Nazism and were resisting the rise of Greek fascism. **In 1967, the CIA helped bring to power a fascist military junta in Athens – as it did in Brazil and most of Latin America. Germans and east Europeans who had colluded with Nazi aggression and crimes against humanity were given safe haven in the US;** many were pampered and their talents rewarded. Wernher von Braun was the "father" of both the Nazi V-2 terror bomb and the US space programme.

In the 1990s, as former Soviet republics, eastern Europe and the Balkans became military outposts of Nato, **the heirs to a Nazi movement in Ukraine were given their opportunity. Responsible for the deaths of thousands of Jews, Poles and Russians during the Nazi invasion of the Soviet Union, Ukrainian fascism was rehabilitated and its "new wave" hailed by the enforcer as "nationalists".** This reached its apogee in 2014 when the Obama administration splashed out \$5 billion on a coup against the elected government. **The shock troops were neo-Nazis known as the Right Sector and Svoboda.** Their leaders include Oleh Tyahnybok, who has called for a purge of the "Moscow-Jewish mafia" and "other scum", including gays, feminists and those on the political left. **These fascists are now integrated into the Kiev coup government.** The first deputy speaker of the Ukrainian parliament, Andriy Parubiy, a leader of the governing party, is co-founder of Svoboda. On February 14, Parubiy announced he was flying to Washington get "the USA to give us highly precise modern weaponry". If he succeeds, it will be seen as an act of war by Russia...

In 1946, the Nuremberg Tribunal prosecutor said of the German media: "*The use made by Nazi conspirators of psychological warfare is well known. Before each major aggression, with some few exceptions based on expediency, they initiated a press campaign calculated to weaken their victims and to prepare the German people psychologically for the attack... In the propaganda system of the Hitler State it was the daily press and the radio that were the most important weapons.*" In the Guardian on February 2, Timothy Garton-Ash called, in effect, **for a world war.** "*Putin must be stopped,*" said the headline. "*And sometimes only guns can stop guns.*" He conceded that the threat of war might "*nourish a Russian paranoia of encirclement*"; but that was fine. He name-checked the military equipment needed for the job and advised his readers that "America has the best kit"...

Once again, there is serious purpose. The rulers of the world want Ukraine not only as a missile base; they want its economy. Kiev's new Finance Minister, Nataliwe Jaresko, is a former senior US State Department official in charge of US overseas "investment". She was hurriedly given Ukrainian citizenship. They want Ukraine for its abundant gas; Vice President Joe Biden's son is on the board of Ukraine's biggest oil, gas and fracking company. The manufacturers of GM seeds, companies such as the infamous Monsanto, want Ukraine's rich farming soil. Above all, **they want Ukraine's mighty neighbour, Russia. They want to Balkanise or dismember Russia and exploit the greatest source of natural gas on earth.** As the Arctic ice melts, they want control of the Arctic Ocean and its energy riches, and Russia's long Arctic land border. Their man in Moscow used to be Boris Yeltsin, a drunk, who handed his country's economy to the West. **His successor, Putin, has re-established Russia as a sovereign nation; that is his crime.**

The responsibility of the rest of us is clear. **It is to identify and expose the reckless lies of warmongers and never to collude with them. It is to re-awaken the great popular movements that brought a fragile civilisation to modern imperial states.** Most important, it is to prevent the conquest of ourselves: our minds, our humanity, our self respect. If we remain silent, victory over us is assured, and a holocaust beckons [57]. **John Pilger**, journalist, Sydney, Australia, **Web:** <http://johnpilger.com>

37. Ukraine and neo-Nazis. Cold War Two. *William Blum*

Ever since serious protest broke out in Ukraine in February the Western mainstream media, particularly in the United States, has seriously downplayed the fact that the usual suspects – **the US/European Union/NATO triumvirate** – **have been on the same side as the neo-Nazis.** In the US it's been virtually unmentionable. I'm sure that a poll taken in the United States on this issue would reveal near universal ignorance of the numerous neo-Nazi actions, including publicly calling for death to "Russians, Communists and Jews". But in the past week the dirty little secret has somehow poked its head out from behind the curtain a bit [58]...

Cold War Two. During Cold War One those of us in the American radical left were often placed in the position where we had to defend the Soviet Union because the US government was using that country as a battering ram against us. **Now we sometimes have to defend Russia because it may be the last best hope of stopping TETATW (The Empire That Ate The World).** Yes, during Cold War One we knew enough about Stalin, the show trials, and the gulags. But we also knew about US foreign policy. E-mail sent to the Washington Post July 23, 2014 about the destruction of Malaysian Airlines Flight 17: Dear Editor,

Your July 22 editorial was headed: "*Russia's barbarism. The West needs a strategy to contain the world's newest rogue state.*" Pretty strong language. Vicious, even. **Not one word of hard evidence in the editorial to back it up.** Then, the next day, the Associated Press reported: Senior U.S. intelligence officials said Tuesday that Russia was responsible for 'creating the conditions' that led to the shooting down of Malaysia Airlines Flight 17, **but they offered no evidence of direct Russian government involvement.** ... the U.S. had no direct evidence that the missile used to shoot down the passenger jet came from Russia. Where were these words in the Post? **You people are behaving like a rogue newspaper.** – William Blum.

I don't have to tell you whether the Post printed my letter... Same with the State Department, which makes one accusation after another about Russian military actions in Eastern Ukraine **without presenting any kind of satellite imagery or other visual or documentary evidence...** The words ... on RT are typically labeled by the mainstream media as "Russian propaganda"[59]... (See also: *Rogue State* [60] and *America's Deadliest Export: Democracy* [61]). "*We will never be able to stop the monster*"[61].

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38. When Democracy Broken, Progress Impossible. *Jon Queally*

Our democracy is broken, says Zephyr Teachout. *'We need a populist movement made of candidates and protests and clear demands.'* When democracy becomes numb to the desires of its citizens and political campaigns become sporting events for television pundits, the ballot box becomes a sad (in the election only one-third of voters participated – L.S.) expression of populist will.

That's the argument put forth on Tuesday by one progressive candidate who challenged the political status quo this election season. **"If we don't have a responsive democracy, all the debates [on progressive issues we care about] aren't real debates. When elections are not democratic, even the most populist discussions become superficial, disconnected from real power; they are theatre."**

In Guardian op-ed on Tuesday, Zephyr Teachout, the Fordham Law School professor who this year took on New York Gov. Andrew Cuomo in a primary challenge from the Left, says that

amidst many other valid theories about the source of the "disgust and apathy" so many feel toward this year's election, the simplest explanation may be this: "**people don't like being told falsely they have power when they don't.**" What's essential for Americans to recognize this Election Day – set to be the most expensive mid-term in U.S. history – says Teachout, is that confronting this reality of disempowerment is not something to avoid, but the key to achieving the real progressive change so many desperately desire. "There is one issue that subsumes all other issues, upon which all other issues depend," she writes, "**and that is restoring democracy itself.**"

"If we don't have a responsive democracy, all the debates about charter schools, and franking, and high-stakes testing, and the militarization of police forces – all of which are issues I care about – they aren't real debates. When elections are not democratic, even the most populist discussions become superficial, disconnected from real power; they are theatre." The key reason for this disconnection and disempowerment, argues Teachout, is clear: the massive amounts of money flooding U.S. elections. "**The key to fixing public financing is to free politics from big money.**" she writes and offers state-level public financing schemes – as seen in Maine, Connecticut and elsewhere – as the most readily available solutions...

For Teachout, the key reasons for this are twofold. First, in a post-Citizens United world, private campaign spending has given nearly unprecedented power to the large corporations (and the wealthy individuals who control them) to sway policies and control the debate. Second, because so much of the campaign spending is driven by advertising dollars, the media system itself has a large financial incentive to maintain the status quo. "**In banking, energy, gas, cable, agriculture and search, we have a limited number of companies that have accumulated so much power they are acting as a kind of shadow government, controlling policy, vetoing laws before they can even be presented,**" she writes. "**Candidates refuse to stump about a cable-TV merger because they're afraid to get shut out of MSNBC. They don't take on big banks because big banks have become too big to fail, to jail and even to debate about policy.**"

And the solution? Fight back, urges Teachout. "*We need a populist movement made of candidates and protests and clear demands,*" she writes. Even as voting remains essential, she argues, it's clear that these battles cannot be adequately fought or won at the ballot box. Like so many other progressive voices have stated recently, the key to reforming the state of American democracy is an effort that will have to take place, not within the confined boundaries of the current system, **but one that challenges these institutions and policies from outside and from below.**

*"We can keep protesting our own democracy, despite the facts, or we can actually deal with the root cause: **concentrated wealth taking over our politics,**" Teachout concludes. "*Like the best generations of American reformers before us, we can change the basic structures. We can actually build something – and the people will get the power back*" [62].*

Jon Queally, staff writer, Common Dreams, USA

39. Donald Trump's Mouth is a Nuclear Weapon. *Wayne A. Root*

The biased, clueless liberal mainstream media are in shock and awe. They have no idea why so many Americans love Donald Trump. But the answer is so simple and clear. Just ask any conservative. **Trump is a breath of fresh air. Trump is the answer to what ails America,** simply because he kills two birds with one stone.

America has two big problems. America is under attack by a vicious one-two combination. **America has been ruined by two parties.** And Trump's mouth solves both problems. Trump's mouth is a nuclear weapon.

Democrats clearly hate American exceptionalism, capitalism, entrepreneurship and Judeo-Christian values. They hate business owners (see "You didn't build that") and blame American patriotism, white people, business owners and Christians for every problem in the world today.

The Democratic Party is riddled with socialists, Marxists and communists hell-bent on “fundamentally changing America.” The Democratic Party is filled with:

- **Frauds** (see Obama, Jonathan Gruber and the lies used to sell Obamacare),
- **Traitors** (see Obama, John Kerry and the new Iran nuclear treaty),
- **Thieves and con men** (see Hillary Clinton and the Clinton Foundation),
- **Reckless wasters** of taxpayer money (see Obama’s Kenya trip that cost us over \$50 million dollars for one day in a country that offers America nothing),
- And **outright criminals** (see Clinton’s upcoming criminal investigation over her 32,000 deleted e-mails – some of them classified – and Obama’s use of the IRS to target, persecute and even attempt to imprison political opponents and critics).

But the GOP may be worse. If there’s anything worse than evil, it’s pathos. The GOP leadership is riddled with cowards; wimps; and naïve, feckless, country club powder puffs who have no clue how to fight back against the Democrats’ ruining America and destroying our children’s future with debt. Yes, Democrats are ruining America and destroying our children’s future. But Republicans are standing by helplessly, scared, petrified, allowing it to happen...

Nice has led to disaster and disgrace all over the globe. **The world no longer has any respect for, or fear of, America. We are in decline and disarray. We are headed for collapse and disaster.** Into this crisis steps “the nuclear mouth,” Donald Trump. He isn’t afraid to put America first. **He isn’t afraid to tell the truth.** He isn’t afraid of what the media thinks. He isn’t afraid of being called a “racist” for pointing out how Obama has damaged and destroyed America. He isn’t afraid to question Obama’s very mysterious, questionable and troubling past, much of it sealed away in darkness.

Trump isn’t afraid to fight like our future is on the line because he understands it is. He isn’t afraid to offend. He isn’t afraid to expose the cowards and frauds in his own GOP leadership for what they are. **He refuses to be “politically correct” when he sees corruption and idiocy. He won’t back down or apologize for telling the truth.** Of course, the evil Democrats, corrupt and cowardly GOP leadership, and biased mainstream media hate him...

They want the status quo. **They want to keep the bribes and blackmail coming.** They don’t want anyone to upset the apple cart. They are scared to death of Trump, who doesn’t play by traditional rules or etiquette. They are scared to death of a guy who can’t be bribed. They are scared to death of a guy who is tuned into the hopes, dreams and fears of middle-class Americans. They are scared to death of a street fighter... [63].

Wayne Allyn Root is one of America's leading Libertarian-conservative authors. Wayne's new book is *The Murder of the Middle Class*. Web: www.ROOTforAmerica.com

The GPS Editor in Chief Comment. Trump's ability to tell the truth and not a lie, as is customary in American politics, exposes degradation, corruption and extreme militarism of the USA rotten two-party system as the core of the American democracy and its decline.

40. We Have '*Oligarchy, Not Democracy*': Sanders. *Jon Queally*

Oil giant Chevron is spending millions of dollars to make sure its preferred candidates in the city of Richmond, California receive the financial boost they might need to win. The Independent U.S. Senator from Vermont Bernie Sanders was in the city of Richmond, California on Thursday and said local elections in the city have become prime examples of **how U.S. politics, at all levels, have become corrupted by the unlimited amount of money wealthy corporations and individuals can spend on campaigns. "We are not living in a democracy when giant corporations like Chevron can buy local governments. That's called oligarchy, not democracy. We have got to fight back."**

The oil giant Chevron – which has a major refinery in Richmond and has been in a battle with city officials and residents over safety at the facility following a large fire in 2012 – has

pumped an estimated \$3 million dollars into the local elections, backing its own slate of candidates while funding attack ads on their opponents...

On Thursday, Sanders met with local activists and progressive politicians at an event titled "Fight for Justice," hosted by the Richmond Progressive Alliance and which focused on addressing global warming, improving health care for veterans, expanding Medicare and reducing the influence of money in politics. In addition to McLaughlin, two other council candidates, Jovanka Beckles and Eduardo Martinez, are members of the alliance and have also faced attack ads funded by Chevron. "**Chevron is trying to buy the Richmond City Hall. We can't let them get away with it,**" Sanders said ahead of the meeting. "This is not what democracy is supposed to be about."

According to the Richmond Progressive Alliance, "*Chevron is on track to spend between \$2 and \$3 million trying to gain control of the Richmond City Council on Election Day. The corporation will likely pay out \$120 per voter – and that's just the reported expenditures. The other candidates will be lucky to spend one-tenth as much, combined. **Two million dollars buys a lot of billboards, mailers, door knocking and phone-banking. Plus lots of hit pieces on candidates Chevron doesn't like. It isn't fair. But it is legal, so this election will be a real test of the power of money in our democracy.***" Richmond Progressive Alliance Sanders' office, referencing a series of decisions in recent years by the U.S. Supreme Court, said that Chevron's campaign in a local election like Richmond's is "a vivid example" of **how the U.S. electoral process has been corrupted** by "letting corporations and billionaires spend unlimited sums to sway elections."

According to Sen. Sanders, "*Three million dollars may sound like a lot of money, but to Chevron it's nothing. Over the past decade Chevron has made more than \$200 billion in profits ripping off Americans at the gas pump, even as it has paid hundreds of millions in fines for polluting the air we breathe, the water we drink, violating health and safety laws and evading taxes. We cannot allow a company like Chevron that has thumbed its nose at the law to buy politicians.*"

Sanders urged progressives in California and across the country make sure they turn out to vote for this year's upcoming mid-term elections and cautioned against a pattern where less than 40 percent of eligible voters cast a ballot. "**We are not living in a democracy when 60 percent of Americans are not voting, while billionaires like the Koch Brothers are spending hundreds of millions to buy the United States Senate,**" he said. "We are not living in a democracy when giant corporations like Chevron can buy local governments. **That's called oligarchy, not democracy...**" [64]. Jon Queally, staff writer, Common Dreams, USA

41. The Moral Imperative of the BRICS Paradigm. US "Corrupts Absolutely."

Rahul Manchanda

Nineteenth century historian Lord John Dalberg-Acton said, "*Power tends to corrupt, and absolute power corrupts absolutely*". This has never been truer than with the case of the International Monetary Fund (IMF) and the World Bank, and the power they hold over world governments and their people. In one way or another, they have acted intentionally (or unintentionally) to subvert nations and their constitutional governments, monarchies, duly elected leaders, the major media, and any and all guardians of people's human rights and civil liberties. This is the global problem we are all facing now – there is currently no competition to the IMF and World Bank in the global marketplace for credit, loans, issuance of money and capital, the power to grow and develop economies, project finance, and to stay competitive with the influx of much needed capital to house, clothe, educate, or feed the people of the world.

The stranglehold that the IMF and World Bank wield over **the world has given rise to impossible debts to be paid by Second and Third World nations. This in turn has led to a stunting of economic growth in the wake of stringent austerity programs, leaving 99 per**

cent of the world's wealth in the hands of a few plutocrats/oligarchs. A by-product of the above is the resulting currency wars, which are now bringing us all dangerously close to **nuclear cataclysm with the aggressive advancing of NATO in the Ukraine to Russia's borders, and with the Greece-EU standoff – which is now pushing Athens closer to the BRICS format of doing business.** Currency wars have invariably followed an attacked nation's general refusal to join the IMF global banking cartel, instead choosing to maintain its own banking sovereignty. Such was the case with Libya, Yemen, Iraq, Afghanistan, and other nations; **future targets of NATO aggression include Iran, Syria, North Korea, and Russia,** which overtly or covertly backs them all.

Fighting Monopoly. In the US, the business norm has always embraced and encouraged competition – **indeed the Sherman Act of 1890 codified this grand old American tradition that monopolies are always inherently evil, harm the people they serve, and corrupt the local, state and federal governments on the judicial, executive and legislative branches.** IMF Chief Christine Lagarde (seen here with UK Prime Minister David Cameron) is a regular participant at the secretive Bilderberg meeting, an annual gathering of some of the most powerful and influential figures in the world, reinforcing without accountability the dominance of a transatlantic capitalist cabal. But there has been a marriage of corporate/banking interests with government in the US, **resulting in a fascist, dictatorial, insensitive federal and local government, supplanting the people and their human and civil rights with the awesome power and cold-bloodlessness of an authoritarian state.**

Families have been destroyed, race relations are at an all time low, division is endless and increasing, and the people are literally at each other's throats, all under the watchful but indifferent eyes of the state. The hidden hands behind governments – the wealthy international oligarchs and billionaires, banking and corporate interests, and unfriendly foreign governments – look the other way as the fractious atmosphere is fomented. These are not conspiracy theories, particularly in light of the recent revelations **that the multi-billionaire Koch Brothers are behind the right wing elements (Republicans) of the US government, and that billionaire George Soros behind the leftists (Democrats); it is quite evident that we are all pawns in the chess game of life.** Chaos in the streets (fascinating report on Soros' funding of Ferguson protests) becomes acceptable because then the people will be distracted from dealing with the real causes of their stagnation and stunting of development and growth, while the debt payments keep rolling in from their host nations.

The BRICS Solution. The BRICS banking paradigm offers a refreshingly soothing and exciting alternative to this out-of-control octopus of global banking strangulation currently put in place by the IMF. BRICS also offers **a way out of the legacy of European colonialism which has plagued the planet for the past few hundred years,** wherein mostly brown and Third World nations are literally under the enslavement and yoke of their European financial masters. The legacy and badges of slavery live on through the financial masters' control of these indigenous countries' money supply and credit. This is why 132 nations (mostly former colonial victims), which had been calling on the UN for a new financial paradigm, immediately saw hope in the BRICS alternative banking and financing initiatives a few months ago. 57 countries have already formally joined the China-led Asian Infrastructure Investment Bank (AIIB), the first total break from the Western Bretton Woods institutions...

Choke Hold. Why the United States has openly discouraged and fought this new global banking alternative is the ultimate manifestation of the consequences the stranglehold that the world's central banks, as organized by and under the IMF, has caused...

The 1933 Glass-Steagall Act repeal and the Gramm-Leach-Bliley Act of 1999 combined eventually **meant that people's money deposited in banks could now be mercilessly and carelessly plundered and gambled away by the banks due to the dissolution of the**

previous firewall barriers between the people's money and the global banks. Most economists would argue that this was **the major contributing factor towards the financial meltdown in 2008**, exacerbated and provoked by the low-credit money and mortgage lending practices of the US Housing and Urban Development government agency, which was forced and packaged nicely by huge banking and investment subsidiaries as Goldman Sachs, AIG, Lehman Brothers, Bear Stearns, and the other 10 massive banks deemed "too big to fail".

Since the great tradition in the US has always historically supported free competition in the marketplace, any marketplace, it is incumbent upon Washington to join the BRICS financial institutions. **The US needs to stop making the 99 per cent pay to make the wealthiest 1 per cent a whole lot wealthier.** It must guide its people out of the global quagmire and debt stranglehold it became entangled in because of the IMF and its European colonial counterparts. This becomes necessary in order to attain economic freedom to better preserve and safeguard the constitutional and civil liberties that Americans fought countless bloody and destructive wars to protect since 1776 [65].

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VI. USA/NATO/EU:

**"Big Lie, Propaganda, Obama's War Without Borders" (Chossudovsky),
"Myth of Free Press" (Hedges) and "Hypocrisy" (Mennell)**

42. Obama and the Nobel Prize: When War becomes Peace, When the Lie becomes the Truth. Obama's "War Without Borders." *Michel Chossudovsky*

When war becomes peace,

When concepts and realities are turned upside down,

When fiction becomes truth and truth becomes fiction.

When a global military agenda is heralded as a humanitarian endeavor,

When the killing of civilians is upheld as "collateral damage",

When those who resist the US-NATO led invasion of their homeland are categorized as "insurgents" or "terrorists".

When preemptive nuclear war is upheld as self defense.

When advanced torture and "interrogation" techniques are routinely used to "protect peacekeeping operations",

When tactical nuclear weapons are heralded by the Pentagon as "harmless to the surrounding civilian population",

When three quarters of US personal federal income tax revenues are allocated to financing what is euphemistically referred to as "national defense",

When the Commander in Chief of the largest military force on planet earth is presented as a global peace-maker,

When the Lie becomes the Truth.

Obama's "War Without Borders". We are the crossroads of the most serious crisis in modern history. The US in partnership with NATO and Israel has launched a global military adventure which, in a very real sense, **threatens the future of humanity.** At this critical juncture in our history, **the Norwegian Nobel Committee's decision to award the Nobel Peace Prize to President and Commander in Chief Barack Obama constitutes an unmitigated tool of propaganda and distortion, which unreservedly supports the Pentagon's "Long War": "A War without Borders" in the true sense of the word, characterised by the Worldwide deployment of US military might.** Apart from the diplomatic rhetoric, there has been no meaningful reversal of US foreign policy in relation to the George W. Bush presidency, which might have remotely justified the granting of the Nobel Prize to Obama. **In fact quite the opposite. The Obama military agenda has sought to extend the war into new frontiers...**

Granting the Nobel Peace Prize to Barack Obama provides legitimacy to the illegal practices of war, to the military occupation of foreign lands, to the relentless killings of civilians in the name of “democracy”. Both the Obama administration and NATO are directly threatening Russia, China and Iran. The US under Obama is developing “a First Strike Global Missile Shield System”: “*Along with space-based weapons, the Airborne Laser is the next defense frontier. ... Never has Ronald Reagan’s dream of layered missile defenses – Star Wars, for short – been as ... close, at least technologically, to becoming realized.*”

Reacting to this consolidation, streamlining and upgrading of American global nuclear strike potential, on August 11 the Commander-in-Chief of the Russian Air Force, the same Alexander Zelin cited earlier on the threat of U.S. strikes from space on all of his nation, said that the “*Russian Air Force is preparing to meet the threats resulting from the creation of the Global Strike Command in the U.S. Air Force*” and that Russia is developing “*appropriate systems to meet the threats that may arise.*” (Rick Rozoff, Showdown with Russia and China: U.S. Advances First Strike Global Missile Shield System, <http://www.globalresearch.ca/index.php?context=va&aid=14843>, Global Research, August 19, 2009). **At no time since the Cuban missile crisis has the World been closer to the unthinkable: a World War III scenario, a global military conflict involving the use of nuclear weapons. . .**

7. There has been a reinforcement of the new regional commands including AFRICOM and SOUTHCOM. . .

9. The US is intent upon **fostering further divisions between Pakistan and India, which could lead to a regional war, as well as using India’s nuclear arsenal as an indirect means to threaten China.**

The diabolical nature of this military project was outlined in the 2000 Project for a New American Century (PNAC). The PNAC’s declared objectives are:

- defend the American homeland;
- fight and decisively win multiple, simultaneous major theater wars;
- perform the “constabulary” duties associated with shaping the security environment in critical regions;
- transform U.S. forces to **exploit the “revolution in military affairs;”** (Project for a New American Century, Rebuilding Americas Defenses: <http://www.newamericancentury.org/RebuildingAmericasDefenses.pdf>, September 2000). **The “Revolution in Military Affairs” refers to the development of new advanced weapons systems.** The militarization of space, new advanced chemical and biological weapons, sophisticated laser guided missiles, bunker buster bombs, not to mention the US Air Force’s climatic warfare program (HAARP) based in Gokona, Alaska, are part of Obama’s “humanitarian arsenal”.

War against the Truth. This is a war against the truth. When war becomes peace, the world is turned upside down. Conceptualization is no longer possible. **An inquisitorial social system emerges.** An understanding of fundamental social and political events is replaced by a **World of sheer fantasy, where “evil folks” are lurking.** The objective of the “Global War on Terrorism” which has been fully endorsed by Obama administration, has been to galvanize public support for a Worldwide campaign against heresy. In the eyes of public opinion, **possessing a “just cause” for waging war is central. A war is said to be Just if it is waged on moral, religious or ethical grounds.** The consensus is to wage war. People cannot longer think for themselves. They accept the authority and wisdom of the established social order.

The Nobel Committee says that President Obama has given the world “hope for a better future.” The prize is awarded for Obama’s “extraordinary efforts to strengthen international diplomacy and cooperation between peoples. The Committee has attached special importance to Obama’s vision of and work for a world without nuclear weapons.”

... His diplomacy is founded in the concept that those who are to lead the world must do so on the basis of values and attitudes that are shared by the majority of the world’s population. (Nobel Press Release, October 9, 2009, http://nobelprize.org/nobel_prizes/peace/laureates/2009/press.html). The granting of the Nobel “peace prize” to president Barack Obama **has become an integral part of the Pentagon’s propaganda machine. It provides a human face to the invaders, it upholds the demonization of those who oppose US military intervention.** The decision to grant Obama the Nobel Peace Prize was no doubt carefully **negotiated with the Norwegian Committee at the highest levels of the US government.** It has far reaching implications. **It unequivocally upholds the US led war as a “Just Cause.” It erases the war crimes committed both by the Bush and Obama administrations.**

War Propaganda: Jus ad Bellum. The “Just war” theory serves to camouflage the nature of US foreign policy, while providing a human face to the invaders. In both its classical and contemporary versions, the Just war theory upholds war as a “humanitarian operation”. It calls for military intervention on ethical and moral grounds against “insurgents”, “terrorists”, “failed” or “rogue states”. The Just War has been heralded by the Nobel Committee as an instrument of Peace. Obama personifies the “Just War”.

Taught in US military academies, a modern-day version of the “Just War” theory has been embodied into US military doctrine. The “war on terrorism” and the notion of “preemption” are predicated on the right to “self defense.” They define “when it is permissible to wage war”: jus ad bellum. Jus ad bellum has served to build a consensus within the Armed Forces command structures. It has also served to convince the troops that they are fighting for a “just cause”. More generally, the Just War theory in its modern day version is an integral part of war propaganda and media disinformation, applied to gain public support for a war agenda. Under Obama as Nobel Peace Laureate, the Just War becomes universally accepted, upheld by the so-called international community. The ultimate objective is to subdue the citizens, totally depoliticize social life in America, prevent people from thinking and conceptualizing, from analyzing facts and challenging the legitimacy of the US NATO led war. War becomes peace, a worthwhile “humanitarian undertaking”, Peaceful dissent becomes heresy.

Military Escalation with a Human Face. Nobel Committee grants the “Green Light” to it. More significantly, the Nobel peace prize grants legitimacy to an unprecedented “escalation” of US-NATO led military operations under the banner of peacemaking. It contributes to falsifying the nature of the US-NATO military agenda...

Within hours of the decision of the Norwegian Nobel committee, Obama met with the War Council, or should we call it the “Peace Council”. This meeting had been carefully scheduled to coincide with that of the Norwegian Nobel committee. This key meeting behind closed doors in the Situation Room of the White House included Vice President Joe Biden, Secretary of State Hillary Clinton, Secretary of Defense Robert Gates, and key political and military advisers. General Stanley McChrystal participated in the meeting via video link from Kabul. General Stanley McChrystal is said to have offered the Commander in Chief “several alternative options” “including a maximum injection of 60,000 extra troops”. The 60,000 figure was quoted following a leak of the Wall Street Journal. “The president had a robust conversation about the security and political challenges in Afghanistan and the options for building a strategic approach going forward,” according to an administration official (quoted in AFP: After Nobel nod, Obama convenes Afghan war council, <http://www.google.com/hostednews/afp/article/ALeqM5iiRsuUculjfsOpbYtAiMgORN8ZiA>, Oct. 9, 2009)

The Nobel committee had in a sense given Obama a green light. The October 9 meeting in the Situation Room was to set the groundwork for a further escalation of the conflict under the banner of counterinsurgency and democracy building. Meanwhile, in the course of the last few months, US forces have stepped up their aerial bombardments of village communities in the northern tribal areas of Pakistan, under the banner of combating Al Qaeda [66].

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The GPS Editor in Chief Comment. The past 7 years after the publication of this profound article by Michel Chossudovsky proved its full truth. Only it is increased the number of countries threatened by US military empire and the threat of destruction of humanity in the USA nuclear war has reached its limit.

43. The Myth of the Free Press. *Chris Hedges*

There is more truth about American journalism in the film “Kill the Messenger,” which chronicles the mainstream media’s discrediting of the work of the investigative journalist Gary Webb, than there is in the movie “All the President’s Men,” which celebrates the exploits of the reporters who uncovered the Watergate scandal. The mass media blindly support the ideology of corporate capitalism. They laud and promote the myth of American democracy – even as we are stripped of civil liberties and money replaces the vote. They pay deference to the leaders on Wall Street and in Washington, no matter how perfidious their crimes. They slavishly venerate the military and law enforcement in the name of patriotism. They select the specialists and experts, almost always drawn from the centers of power, to interpret reality and explain policy. They usually

rely on press releases, written by corporations, for their news. And they fill most of their news holes with celebrity gossip, lifestyle stories, sports and trivia. **The role of the mass media is to entertain or to parrot official propaganda to the masses. The corporations, which own the press, hire journalists willing to be courtiers to the elites, and they promote them as celebrities.** These journalistic courtiers, who can earn millions of dollars, are invited into the inner circles of power. They are, as John Ralston Saul writes, hedonists of power.

When Webb, writing in a 1996 series in the San Jose Mercury News, exposed the Central Intelligence Agency's complicity in smuggling tons of cocaine for sale into the United States to fund the CIA-backed Contra rebels in Nicaragua, **the press turned him into a journalistic leper.** And over the generations there is **a long list of journalistic lepers**, from Ida B. Wells to I.F. Stone to Julian Assange. **The attacks against Webb have been renewed in publications such as The Washington Post since the release of the film earlier this month.** These attacks are an act of self-justification. They are an attempt by the mass media to mask the collaboration between themselves and the power elite. The mass media, like the rest of the liberal establishment, seek to wrap themselves in the moral veneer of the fearless pursuit of truth and justice. But to maintain this myth they have to destroy the credibility of journalists such as Webb and Assange who shine a light on the sinister and murderous inner workings of empire, who care more about truth than news.

The country's major news outlets – including my old employer The New York Times, which wrote that there was “scant proof” of Webb's contention – functioned as guard dogs for the CIA. Soon after the 1996 exposé appeared, The Washington Post devoted nearly two full pages to attacking Webb's assertions. The Los Angeles Times ran three separate articles that slammed Webb and his story. It was a seedy, disgusting and shameful chapter in American journalism. But it was hardly unique. Alexander Cockburn and Jeffrey St. Clair, in the 2004 article “*How the Press and the CIA Killed Gary Webb's Career,*” detailed the dynamics of the nationwide smear campaign. Webb's newspaper, after printing a mea culpa about the series, cast him out. He was unable to work again as an investigative journalist and, fearful of losing his house, he committed suicide in 2004. We know, in part because of a Senate investigation led by then-Sen. John Kerry, that Webb was right. **But truth was never the issue for those who opposed the journalist. Webb exposed the CIA as a bunch of gunrunning, drug-smuggling thugs.** He exposed the mass media, which depend on official sources for most of their news and are therefore hostage to those sources, as craven handmaidens of power. **He had crossed the line. And he paid for it.**

If the CIA was funneling hundreds of millions of dollars in drugs into inner-city neighborhoods to fund an **illegal war in Nicaragua, what did that say about the legitimacy of the vast covert organization? What did it tell us about the so-called war on drugs?** What did it tell us about the government's callousness and indifference to the poor, especially poor people of color at the height of the crack epidemic? What did it say about rogue military operations carried out beyond public scrutiny? These were questions the power elites, and their courtiers in the press, were determined to silence.

The mass media are plagued by the same mediocrity, corporatism and careerism as the academy, labor unions, the arts, the Democratic Party and religious institutions. They cling to the self-serving mantra of impartiality and objectivity **to justify their subservience to power.** The press writes and speaks – unlike academics that chatter among themselves in arcane jargon like medieval theologians – to be heard and understood by the public. And for this reason the press is more powerful and more closely controlled by the state. It plays an essential role in the dissemination of official propaganda. But to effectively disseminate state propaganda the press must maintain the fiction of independence and integrity. It must hide its true intentions.

The mass media, as C. Wright Mills pointed out, are essential tools for conformity. They impart to readers and viewers their sense of themselves. They tell them who they are. They tell them what their aspirations should be. They promise to help them achieve these aspirations. They offer a

variety of techniques, advice and schemes that promise personal and professional success. The mass media, as Wright wrote, exist primarily to help citizens feel they are successful and that they have met their aspirations even if they have not. **They use language and images to manipulate and form opinions, not to foster genuine democratic debate and conversation or to open up public space for free political action and public deliberation. We are transformed into passive spectators of power by the mass media, which decide for us what is true and what is untrue, what is legitimate and what is not.** Truth is not something we discover. It is decreed by the organs of mass communication.

“The divorce of truth from discourse and action – the instrumentalization of communication – has not merely increased the incidence of propaganda; it has disrupted the very notion of truth, and therefore the sense by which we take our bearings in the world is destroyed,” James W. Carey wrote in “Communication as Culture.”

Bridging the vast gap between the idealized identities – ones that in a commodity culture revolve around the acquisition of status, money, fame and power, or at least the illusion of it – and actual identities is the primary function of the mass media. And catering to these idealized identities, largely implanted by advertisers and the corporate culture, can be very profitable. We are given not what we need but what we want. The mass media allow us to escape into the enticing world of entertainment and spectacle. News is filtered into the mix, but it is not the primary concern of the mass media. **No more than 15 percent of the space in any newspaper is devoted to news; the rest is devoted to a futile quest for self-actualization.** The ratio is even more lopsided on the airwaves.

“This,” Mills wrote, “is probably the basic psychological formula of the mass media today. But, as a formula, it is not attuned to the development of the human being. It is a formula of a pseudo-world which the media invent and sustain.” At the core of this pseudo-world is the myth that our national institutions, including those of government, the military and finance, are efficient and virtuous, that we can trust them and that their intentions are good. These institutions can be criticized for excesses and abuses, but they cannot be assailed as being hostile to democracy and the common good. They cannot be exposed as criminal enterprises, at least if one hopes to retain a voice in the mass media. Those who work in the mass media, as I did for two decades, are acutely aware of the collaboration with power and the cynical manipulation of the public by the power elites. It does not mean there is never good journalism and that the subservience to corporate power within the academy always precludes good scholarship, but the internal pressures, hidden from public view, make great journalism and great scholarship very, very difficult. Such work, especially if it is sustained, is usually a career killer. Scholars like Norman Finkelstein and journalists like Webb and Assange who step outside the acceptable parameters of debate and challenge the mythic narrative of power, who question the motives and virtues of established institutions and who name the crimes of empire are always cast out.

The press will attack groups within the power elite only when one faction within the circle of power goes to war with another. When Richard Nixon, who had used illegal and clandestine methods to harass and shut down the underground press as well as persecute anti-war activists and radical black dissidents, went after the Democratic Party he became fair game for the press. His sin was not the abuse of power. He had abused power for a long time against people and groups that did not matter in the eyes of the Establishment. Nixon’s sin was to abuse power against a faction within the power elite itself. The Watergate scandal, mythologized as evidence of a fearless and independent press, is illustrative of how circumscribed the mass media is when it comes to investigating centers of power...[67]

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44. War by Media and the Triumph of Propaganda. *John Pilger*

Why has so much journalism succumbed to propaganda? Why are censorship and distortion standard practice? Why is the BBC so often a mouthpiece of rapacious power? Why do the New York Times and the Washington Post deceive their readers? Why are young journalists not taught to understand media agendas and to challenge the high claims and low purpose of fake objectivity? And why are they not taught that the essence of so much of what's called the mainstream media is not information, but power? These are urgent questions. **The world is facing the prospect of major war, perhaps nuclear war – with the United States clearly determined to isolate and provoke Russia and eventually China.** This truth is being turned upside down and inside out by journalists, including those who promoted the lies that led to the bloodbath in Iraq in 2003.

The times we live in are so dangerous and so distorted in public perception that propaganda is no longer, as Edward Bernays called it, an "invisible government". It is the government. It rules directly without fear of contradiction and its principal aim is the conquest of us: our sense of the world, **our ability to separate truth from lies.** The information age is actually a media age. We have war by media; censorship by media; demonology by media; retribution by media; diversion by media – a surreal assembly line of obedient clichés and false assumptions. This power to create a new "reality" has building for a long time. Forty-five years ago, a book entitled *The Greening of America* caused a sensation. On the cover were these words: "There is a revolution coming. It will not be like revolutions of the past. It will originate with the individual." I was a correspondent in the United States at the time and recall the overnight elevation to guru status of the author, a young Yale academic, Charles Reich. **His message was that truth-telling and political action had failed** and only "culture" and introspection could change the world...

In 2003, I filmed an interview in Washington with Charles Lewis, the distinguished American investigative journalist. We discussed the invasion of Iraq a few months earlier. I asked him, "*What if the freest media in the world had seriously challenged George Bush and Donald Rumsfeld and investigated their claims, instead of channeling what turned out to be crude propaganda?*" He replied that if we journalists had done our job "**there is a very, very good chance we would have not gone to war in Iraq.**" That's a shocking statement, and one supported by other famous journalists to whom I put the same question. Dan Rather, formerly of CBS, gave me the same answer. David Rose of the Observer and senior journalists and producers in the BBC, who wished to remain anonymous, gave me the same answer. In other words, had journalists done their job, had they questioned and investigated the propaganda instead of amplifying it, hundreds of thousands of men, women and children might be alive today; and millions might not have fled their homes; the sectarian war between Sunni and Shia might not have ignited, and the infamous Islamic State might not now exist...

The same is true of the Washington Post and the Guardian, both of which have played a critical role in conditioning their readers to accept a new and dangerous cold war. **All three liberal newspapers have misrepresented events in Ukraine** as a malign act by Russia – when, **in fact, the fascist led coup in Ukraine was the work of the United States,** aided by Germany and Nato. This inversion of reality is so pervasive that Washington's military encirclement and intimidation of Russia is not contentious. It's not even news, but suppressed behind a smear and scare campaign of the kind I grew up with during the first cold war...

The suppression of the truth about Ukraine is one of the most complete news blackouts I can remember. The biggest Western military build-up in the Caucasus and eastern Europe since world war two is blacked out. **Washington's secret aid to Kiev and its neo-Nazi brigades responsible for war crimes against the population of eastern Ukraine is blacked out.** Evidence that contradicts propaganda that Russia was responsible for the shooting down of a

Malaysian airliner is **blacked out**. And again, **supposedly liberal media are the censors**. Citing no facts, no evidence, one journalist identified a pro-Russian leader in Ukraine as the man who shot down the airliner. This man, he wrote, was known as The Demon. He was a scary man who frightened the journalist. That was the evidence.

Many in the western media have worked hard to **present the ethnic Russian population of Ukraine as outsiders in their own country**, almost never as Ukrainians seeking a federation within Ukraine and as Ukrainian citizens resisting a foreign-orchestrated coup against their elected government. What the Russian president has to say is of no consequence; he is a pantomime villain who can be abused with impunity. An American general who heads Nato and is straight out of Dr. Strangelove – one General Breedlove – routinely claims Russian invasions **without a shred of visual evidence**. His impersonation of Stanley Kubrick's General Jack D. Ripper is pitch perfect...

"If you wonder," wrote Robert Parry, **"how the world could stumble into world war three** – much as it did into world war one a century ago – all you need to do is look at the madness that has enveloped virtually the entire **US political/media structure over Ukraine where a false narrative of white hats versus black hats** took hold early and has proved impervious to facts or reason." Parry, the journalist who revealed Iran-Contra, is one of the few who investigate the central role of the media in this "game of chicken", as the Russian foreign minister called it. But is it a game? As I write this, **the US Congress votes on Resolution 758 which, in a nutshell, says: "Let's get ready for war with Russia."**...

In 1977, Carl Bernstein, of Watergate fame, revealed that more than 400 journalists and news executives worked for the CIA. They included journalists from the New York Times, Time and the TV networks. In 1991, Richard Norton Taylor of the Guardian revealed something similar in this country...

"When the truth is replaced by silence," said the Soviet dissident Yevtushenko, **"the silence is a lie."** It's this kind of silence we journalists need to break. We need to look in the mirror. We need to call to account an unaccountable media that services power and a psychosis that threatens world war. In the 18th century, Edmund Burke described the role of the press as a Fourth Estate checking the powerful. Was that ever true? It certainly doesn't wash any more. What we need is a **Fifth Estate: a journalism that monitors, deconstructs and counters propaganda and teaches the young to be agents of people, not power**. We need what the Russians called perestroika – an insurrection of subjugated knowledge. I would call it real journalism. It's 100 years since the First World War. Reporters then were rewarded and knighted for their silence and collusion. At the height of the slaughter, British prime minister David Lloyd George confided in C.P. Scott, editor of the Manchester Guardian: **"If people really knew [the truth] the war would be stopped tomorrow**, but of course they don't know and can't know." It's time they knew [68].

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45. The American Mainstream Media – A Classic Tale of Propaganda

William Blum

"When an American warplane accidentally struck the Chinese Embassy in Belgrade in 1999 during the Kosovo campaign ..." These words appeared in the Washington Post on April 24, 2015 as part of a story about US drone warfare and how an American drone attack in Pakistan in January had accidentally killed two Western aid workers. The Post felt no need to document the Belgrade incident, or explain it any further. Almost anyone who follows international news halfway seriously knows about this famous "accident" of May 7, 1999. The only problem is that the story is pure propaganda.

Three people inside the Chinese embassy were killed and Washington apologized profusely to Beijing, blaming outdated maps among other problems. However, two well-documented and very convincing reports in *The Observer* of London in October and November of that year, based on NATO and US military and intelligence sources, revealed that the embassy had been purposely targeted after NATO discovered that it was being used to transmit Yugoslav army communications. The Chinese were doing this after NATO planes had successfully silenced the Yugoslav government's own transmitters. The story of how the US mainstream media covered up the real story behind the embassy bombing is absolutely embarrassing.

Over and above the military need, there may have been a political purpose served. China, then as now, was clearly the principal barrier to US hegemony in Asia, if not elsewhere. The bombing of the embassy was perhaps **Washington's charming way of telling Beijing that this is only a small sample of what can happen to you if you have any ideas of resisting or competing with the American juggernaut.** Since an American bombing campaign over Belgrade was already being carried out, Washington was able to have a much better than usual "plausible denial" for the embassy bombing. The opportunity may have been irresistible to American leaders. The chance might never come again.

All of US/NATO's other bombing "mistakes" in Yugoslavia were typically followed by their spokesman telling the world: "We regret the loss of life." These same words were used by the IRA in Northern Ireland on a number of occasions over the years following one of their bombings which appeared to have struck the wrong target. But their actions were invariably called "terrorist". Undoubtedly, the US media will be writing of the "accidental" American bombing of the Chinese embassy as long as the empire exists and China does not become a member of NATO [69].

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46. Tear Drop "A Gift From the People of Russia to the USA".

Why were we not told about Tear Drop? *Michael Aydinian*

I got to admit – I didn't even know this memorial existed. However, it took me two seconds to realise why – it received zero publicity. Now why do you suppose that? **Why hasn't the media expressed their gratitude?** Name me another country that's done more? This is a stunning memorial which pales into insignificance whatever the real terrorist gangsters are trying to do at ground zero. The very thought of Larry Silverstein & Frank Lowy having anything to do with the memorial for 9/11 victims is positively gut-wrenching!

About 50 million people visit New York every year & more than 8 million live there but no one seems to have heard of The Teardrop... yet it's a 100ft tall, 175-ton memorial to those who died on the city's blackest day. Whichever way you look at it, this was a damn smart move by the Russians. And what a beautiful memorial – a huge tear-drop coupled with the names of all those who perished. **The West seemingly hell bent on pushing Russia into a corner in Ukraine & with the Zionist controlled media trying to hide their own complicity in the downing of flight MH17 & so continuing to blame Russia for something they had nothing to do with,** it hardly looks good on the Zionists if they highlight the Tear-Drop when they're desperately trying to make Russia look bad.

The greatest trick an enemy can play is to make everyone believe everyone else is their enemy! This is well worth reading. Thanks to Ted Duggan for sending me the link – <http://mycatbirdseat.com/2014/06/40659-russia-gave-the-us-a-911-memorial>. The Zionist controlled US media gives the beautiful memorial, **dedicated by Putin,** a total silent treatment. The monument is barely known, even among local residents of Bayonne [70]!

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47. Explaining American Hypocrisy. *Stephen Mennell*

(Below is only a small excerpt from the article, its full text with all the notes and references is published here [70a]).

Abstract: America's power position in the world – although less unchallenged than it once was, or perhaps because of that – has made it especially susceptible to hypocrisy and collective self-delusion, to what the Greeks called hubris; this continues to lead its foreign policy into unanticipated disasters. The syndrome is discussed with special reference to the Ukraine crisis of 2014, although the morass of American policy in the Middle East would yield even more dramatic examples. Norbert Elias's theory of established–outsider relationships is deployed in understanding how the USA relates to the rest of the world, together with Elias's idea of the duality of normative codes in nation states. The formation of we-images and associated we-feelings, based on a highly selective 'minority of the best', feeds into a collective self-stereotype of unquestioned virtue and self-righteousness on the part of the more powerful party to a conflict. The formation of exaggerated they-images of other players, based on a 'minority of the worst', is a complementary part of the process. But the process also leads to a neglect of the corresponding negative they-images of the USA (and its allies) that are formed on the side of the weaker outsider groups – and this neglect becomes especially dangerous as the outsiders gradually become relatively more powerful.

Hypocrisy or 'double standards? Many people around the world are regularly astonished at the hypocrisy of American foreign policy, including in its recent manifestation over the Ukraine crisis. Sir Simon Jenkins (2014) put it well and wittily in the Guardian newspaper:

"How dare anyone excuse a great power hurling brute force against a small one, justifying it with some nonsense about extremists and a 'responsibility to protect'? There should be no place for such cynical bullying in a twenty-first-century world order. And for what? So a leader with a virility complex can play to his domestic gallery. The whole thing is utterly unacceptable. There must be costs and consequences. But enough of Iraq. What of Ukraine?"

While by no means seeking to justify the Russian intervention in Ukraine, nor to defend President Putin, Jenkins went on to ask: "Did no ghost of Iraq or Afghanistan, of Kosovo or Libya, hover over their shoulders? [...] The occupation of Crimea is a village fete compared with the shock and awe over Baghdad and Belgrade and the killing fields of Falluja and Helmand. As the western powers repatriate their bloodstained legions, surely a twinge of humility is in order. Apparently not ..."

The question that faces the social scientist is how to explain this hypocrisy – or, more neutrally, this lack of collective self-awareness, this collective sense of self-righteousness on the part of the western powers and especially of the USA. At a casual level, it is often seen as a manifestation of Americans' intense 'patriotism', of 'shared values' (that hardy perennial of American sociology), and sometimes of their persisting religiosity (on which, see Mennell 2007, chapter 11). But this 'hypocrisy' is by no means unique to the USA. As Norbert Elias pointed out, in his remarks on 'the duality of normative codes within nation states', most of the sovereign interdependent nation states which together form the balance-of-power figuration in the twentieth century produce a two-fold code of norms whose demands are inherently contradictory: a moral code descended from that of the rising sections of the tiers état, egalitarian in character, and whose highest value is 'man' – the human individual as such; and a nationalist code descended from the Machiavellian code of princes and ruling aristocracies, inegalitarian in character, and whose highest value is a collectivity – the state, the country, the nation to which an individual belongs. (Elias 2013: 169).

The people responsible for 'foreign policy' in most countries, including the USA, are probably aware at some level of this duality of moralising and Machiavellian codes of behaviour – even if they regard only the moralising discourse as fit for public consumption –

and are themselves influenced by both codes. But the duality is especially evident in the American case precisely because of the USA's power position in the world. As Johan Goudsblom has remarked, thanks to its power position in the world 'America has to a certain extent been able to continue to live in the 1890s'. And, particularly as its world hegemony is beginning to decline, the continuous chest-beating proclamations of America's moral virtue and superiority grate more seriously in the ears of the rest of the world. That is one good reason to focus on the American case. Instances of its 'hypocrisy' could best be examined in the morass of the Middle East, but that would require a book, not an article. The main principles and processes at work can be seen in the Ukraine crisis of 2014.

Furor hegemonialis. At a relatively simple level, one explanation of this 'lack of collective self-awareness' or 'collective self-righteousness' is to be found in politicians' typically short-term horizons and their lack of historical knowledge. Besides the recent disasters cited by Simon Jenkins, one might mention that over the last two decades the United States has been seeking to detach the successor states of the former Soviet Union from Russia's sphere of influence, to incorporate them if possible into the American Empire, and to encourage governments hostile to Russia (where such hostile governments did not already exist) ...

And yet, ironically, my line of argument actually reduces the sense of blame attributed to America, because these processes pervade all kinds of power balances between groups of people, and they can certainly be seen at work in imperial powers of the past, notably Britain in its imperial heyday. As Christopher Clark (2012: 166) notes, discussing the paranoid German phobia that took hold in the British Foreign Office in the first decade of the twentieth century, 'British foreign policy – like American foreign policy in the twentieth century – had always depended on scenarios of threat and invasion as focusing devices'.

Stephen Mennell is Professor Emeritus of Sociology at University College Dublin, Ireland. He is a member of the board of the Norbert Elias Foundation, Amsterdam, of the Royal Netherlands Academy of Arts and Sciences, the Royal Irish Academy and Academia Europaea.

VII. USA/NATO/EU: Poverty, Homeless, Refugees and the Super-rich in the "New World Disorder" (Chomsky)

48. US Corporations Top List of Those Living in 'Magical Fairyland' of Tax-Dodging. *Jon Queally*

Leaked documents reveal Luxembourg's paradise for companies and financial firms stiffing the global populace with their unpaid tax bills. **More than 300 global corporations and financial institutions** – including well-known names like Pepsi Co., FedEx, JP Morgan Chase, and Amazon – have created complex tax avoidance schemes using the small European nation of Luxembourg to funnel billions of dollars of profits away from the countries where they actually do business, according to leaked documents obtained and analyzed by the *International Consortium of Investigative Journalists*.

Luxembourg's tax environment is like a "magical fairyland" for global corporations trying to avoid paying taxing. As part of their reporting, ICIJ and its international media partners released a large cache of Luxembourg tax rulings – called comfort letters – which document the deals given to these transnational corporations in exchange for funneling their global profits through the country. The reporting details how the accounting giant PricewaterhouseCoopers (PwC) was at the center of the deal-making, representing the corporate clients before the Luxembourg Ministry of Finance which governs the nation's tax system. According to the ICIJ's extensive reporting:

These companies appear to have channeled hundreds of billions of dollars through Luxembourg and saved billions of dollars in taxes, according to a review of nearly 28,000

pages of confidential documents conducted by the International Consortium of Investigative Journalists and a team of more than 80 journalists from 26 countries.

Big companies can book big tax savings by creating complicated accounting and legal structures that move profits to low-tax Luxembourg from higher-tax countries where they're headquartered or do lots of business. In some instances, the leaked records indicate, companies have enjoyed effective tax rates of less than 1 percent on the profits they've shuffled into Luxembourg. **The leaked documents reveal that U.S.- and U.K.- based companies were the most heavily represented, but these same kind of deals were also used by companies throughout Europe** (They are the USA/NATO countries – L.S.). Tax havens like this are creating "*a global race to the bottom, depleting the contributions of major corporations and leaving citizens to pick up the tab.*"

Citing the example of FedEx, the U.S. private package-delivery company based in Memphis, the company "*set up two Luxembourg affiliates to shuffle earnings from its Mexican, French and Brazilian operations to FedEx affiliates in Hong Kong. Profits moved from Mexico to Luxembourg largely as tax-free dividends. Luxembourg agreed to tax only one quarter of 1 percent of FedEx's non-dividend income flowing through this arrangement – leaving the remaining 99.75 percent tax-free.*"

Quoted by ICIJ, Stephen E. Shay, a professor of international taxation at Harvard Law School and a former tax official in the U.S. Treasury Department, responded to the revelations by saying that Luxembourg's tax environment is like a "magical fairyland" for global corporations trying to avoid paying taxing. Creating structures like this, he said, "**is a way of stripping income from whatever country it comes from" by offering "enormous flexibility to set up tax reduction schemes, along with binding tax rulings that are unique.**" And as Richard Brooks, author of *The Great Tax Robbery*, explains in an op-ed on the Guardian, tax havens like this are creating "*a global race to the bottom, depleting the contributions of major corporations and leaving citizens to pick up the tab.*" ... [71].

Jon Queally, staff writer, Common Dreams, USA.

49. The Billion Dollar a Month Club:

A Runaway Transfer of Wealth to the Super-Rich. *Paul Buchheit*

As wealth inequality soars and the class war rages... **the rich are winning like never before.** Our national wealth has grown by an astonishing \$30 trillion since the recession, but most of it has gone to people who were already wealthy. We are living through a **massive redistribution of America's net worth to the beneficiaries of a financial industry** that has used cunning and money and power to impose **their version of economic "freedom"** while deregulating any policies that might have stopped the incessant transfer of wealth.

It's getting worse, by the year and by the month. President Obama's claim that "*We've recovered faster and come farther than almost any other advanced country on Earth*" applies largely to the people whose wealth accumulation has dramatically pulled up the averages. **The evidence is staring us in the face, but the super-rich are only watching their portfolios.**

1. Kochs and Waltons Took \$6.6 Billion of National Wealth – In Less Than Two Months. **We live in a society that allows great portions of its national wealth to go to people who pollute our air and water while blocking any attempts to change their dirty business; or to people who pay their workers so little that average citizens have to use their tax money to provide food.** The 2014 Forbes 400 list came out in mid-September. Since then, in less than two months, the four Waltons made \$4.8 billion dollars, and the Koch brothers made \$1.8 billion dollars. \$6.6 billion is enough to pay the total food stamp benefits for all 48 million recipients for an entire month. Warren Buffett made 3.3 billion dollars in less than two months. He may not stir up our passions like the Kochs and the Waltons, but according to a 2011 New

York Post story, his company, Berkshire Hathaway, **"openly admits that it owes back taxes since as long ago as 2002."**

2. 43 People (It Was 47 Last Month) Own As Much As Half of America. It was recently reported **that just 47 individuals in the U.S. own more than all 160 million Americans** (about 60 million households) below the median wealth level of about \$53,000. But Forbes keeps building up the numbers. As of November 8, 2014 just 43 individuals own as much as the bottom half of America, based on the Credit Suisse Global Wealth Databook (GWD). **We're drawing closer to the day when the first trillionaire will be 'worth' half of us.**

3. American Exceptionalism: \$50 Million a Year. They certainly don't want to advertise their good fortune, but 12,000 families around the country have been pulling in anywhere from \$40 million to \$60 million a year from their post-recession investments. Over 100,000 families have made \$4 million per year. These are incomprehensible numbers for hard-working people for whom wages have nearly flatlined in recent years. The visual evidence is unmistakable, and the next little-mentioned fact makes it clear that wealth is being drained from the middle class...

4. The Median American Net Worth Is Further from the Top Than in Any Other Country except Russia. The numbers are here, and the meaning is that American wealth has been sucked away from the middle to a greater extent than in any major country except Russia. A revealing study from the Russell Sage Foundation found that:

- Median wealth has dropped, stunningly, by 43 percent since 2007
- Only the richest 10% of the country gained wealth since 2003. Are We Helpless?

The "Billion Dollar a Month Club" isn't new, as several Forbes 400 members have averaged close to a billion a month in recent years. But the club is issuing golden tickets as the stock market climbs to new heights. **The rest of us own a smaller and smaller share of a nation that we, and our ancestors before us, all helped to build. Unprincipled members of business and government have taken away the financial regulations and progressive taxes that once protected the majority of Americans.** It has been argued that a Financial Speculation Tax might be the best approach to stop the wealth transfer carnage. We have to do something. The splitting of our society is nearly beyond repair [72].

Paul Buchheit is a college teacher, an active member of US Uncut Chicago, founder and developer of social justice and educational websites (UsAgainstGreed.org, PayUpNow.org, RappingHistory.org), and the editor and main author of "*American Wars: Illusions and Realities*" (Clarity Press).

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50. Household Wealth Falls Considerably for Majority of Americans

Alan Barber

WASHINGTON – A new report from the Center for Economic and Policy Research (CEPR) shows that most households now have less wealth now than they did in 1989. The report, "The Wealth of Households: An Analysis of the 2013 Survey of Consumer Finance," presents data on household wealth by age cohort based on the results of the most recent Survey of Consumer Finance (SCF). The analysis shows little or no gains for the majority of Americans over the last 25 years, even in the years since the end of the recession. This is true of and particularly concerning for near retirees.

"This is especially bad for those nearing retirement," said Dean Baker, a co-director of CEPR and an author of the paper. "Households in this age cohort will not have a chance to benefit from any strengthening of the economy and will only have the wealth they have accumulated to date to depend on in their retirement."

The authors document several trends gleaned from the SCF. Between 1989 and 2013, average household net worth rose from \$342,300 to \$528,400 in 2013 dollars. However the average gains are misleading, as the population was older in 2013 than it was in 1989. More

importantly, median net worth actually fell from \$85,100 in 1989 to \$81,400 in 2013, indicating that much of the gains of wealth accumulation went to those in the top quintiles. Other key points of the analysis include:

- The median net wealth of near retirees (ages 55–64) was \$165,700 in 2013, down from \$177,600 in 1989.
- The average non-housing wealth for the typical household in the 55–64 year old cohort was \$89,300, compared to a peak of \$160,700 in 2004.
- The net wealth for the middle quintile (ages 35–44) of mid-career workers averaged \$50,100, less than half the net wealth of the same quintile (\$103,800) in 1989.
- The average housing equity for the middle quintile of mid-career workers was also down considerably, from \$63,500 in 1989 to \$23,200 in 2013.
- There was some improvement for the middle quintile of recent retirees who saw their average net wealth go up from \$142,900 in 1989 to \$239,300 in 2013, but this was still less than the peak of \$270,700 hit in 2007.

When compared with the previous Surveys of Consumer Finance, it can generally be said that wealth grew in the United States from 1989 to 2007 and shrank from then on. At the time of the 2013 survey, the stock market had almost recovered to its 2007 peak. House prices had not. With house prices representing a larger share of assets for the bottom three fifths of Americans, this helped increase the differences in wealth between the top and the bottom. All in all, the results of the survey yield a pessimistic picture of economic progress since the end of the recession [73].

Center for Economic and Policy Research (CEPR) was established in 1999 to promote democratic debate on the most important economic and social issues that affect people's lives. In order for citizens to effectively exercise their voices in a democracy, they should be informed about the problems and choices that they face.

Alan Barber, Director, Domestic Communications. Alan works with Center for Economic and Policy Research (CEPR) economists and analysts to present CEPR's work to the public and the media.

51. Ten Facts about Being Homeless in USA. *Bill Quigley*

On any given night, there are over 600,000 homeless people in the United States.

Three True Stories. Renee Delisle was one of over 3500 homeless people in Santa Cruz when she found out she was pregnant. The Santa Cruz Sentinel reported she was turned away from a shelter because they did not have space for her. While other homeless people slept in cars or under culverts, Renee ended up living in an abandoned elevator shaft until her water broke.

Jerome Murdough, 56, a homeless former Marine, was arrested for trespass in New York because he was found sleeping in a public housing stairwell on a cold night. The New York Times reported that one week later, Jerome died of hypothermia in a jail cell heated to over 100 degrees.

Paula Corb and her two daughters lost their home and have lived in their minivan for four years. They did laundry in a church annex, went to the bathroom at gas stations, and did their studies under street lamps, according to America Tonight.

Fact One. Over half a million people are homeless. On any given night, there are over 600,000 homeless people in the US according to the US Department of Housing and Urban Development (HUD). Most people are either spending the night in homeless shelters or in some sort of short term transitional housing. Slightly more than a third are living in cars, under bridges or in some other way living unsheltered.

Fact Two. One quarter of homeless people are children. HUD reports that on any given night over 138,000 of the homeless in the US are children under the age of 18. Thousands of these homeless children are unaccompanied according to HUD. Another federal program, No Child Left Behind, defines homeless children more broadly and includes not just those living in shelters or transitional housing but also those who are sharing the housing of other persons due to economic hardship, living in cars, parks, bus or train stations, or awaiting foster care placement. Under this definition, the National Center for Homeless Education reported in September 2014 that **local school districts reported there are over one million homeless children** in public schools.

Fact Three. Tens of thousands of veterans are homeless. Over 57,000 veterans are homeless each night. Sixty percent of them were in shelters, the rest unsheltered. Nearly 5000 are female.

Fact Four. Domestic violence is a leading cause of homelessness in women. More than 90% of homeless women are victims of severe physical or sexual abuse and escaping that abuse is a leading cause of their homelessness.

Fact Five. Many people are homeless because they cannot afford rent...

Fact Six. There are fewer places for poor people to rent than before. One eighth of the nation's supply of low income housing has been permanently lost since 2001. The US needs at least 7 million more affordable apartments for low income families and as a result millions of families spend more than half their monthly income on rent.

Fact Seven. In the last few years millions have lost their homes. Over five million homes have been foreclosed on since 2008, one out of every ten homes with a mortgage. This has caused even more people to search for affordable rental property.

Fact Eight. The Government does not help as much as you think...

Fact Nine. One in five homeless people suffer from untreated severe mental illness...

Fact Ten. Cities are increasingly making homelessness a crime... And the number of cities criminalizing homelessness is steadily increasing. For more information look to the National Law Center on Homelessness & Poverty, the National Center for Homeless Education and the National Coalition on the Homeless [75].

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The GPS Editor in Chief Comment. The richest American democracy for the war turns out to people with penury, to the homeless, children, veterans, women and etc. Is it democracy if it does not serve to the people but to war?

52. We didn't Cause EU Refugee Crisis by Going to War ... But by not Finishing the Job. We must finish what we started in Afghanistan, Iraq, Libya and Syria. *Tom N. Dunn*

Europe has been plunged into its worst immigration crisis since World War Two – and it's all Bush and Blair's fault. If only our troops and jets had stayed at home there would be none of this mess, say so many these days from backbench Tory MPs to Jeremy Corbyn. Right? No, utterly wrong. Shamefully so, in fact. And it's depressing how many now think so.

WE DIDN'T INTERVENE ENOUGH. What was once a cranky view of the hard left and libertarian right has now been accepted as mainstream. It must stop now, because here's the truth. Millions of refugees are seeking the sanction of peaceful northern Europe not because Britain and the US intervened in Iraq, Afghanistan and Libya – **but because we didn't intervene enough.**

OBAMA AND CAMERON ARE TO BLAME. Actually, **the crisis is Barack Obama and David Cameron's fault because they walked away and lost the will to finish fights** that had been raging before George Bush and Tony Blair were even elected. Here's what really went wrong in today's wars: In Iraq; the Sunni and Shia insurgencies had been all but defeated by 2008. IS (then known as Islamic State in Iraq) was one of a number of terror groups that had been smashed to pieces by the SAS and America's Delta Force and SEAL teams... Winning election soon afterwards on a ticket to end the Iraq war, President Obama pulled out all his troops by the end of 2011, leaving behind Nouri al-Maliki appallingly inept and corrupt government. Unsurprisingly, IS used the chaos to regroup.

ARTIFICIAL DEADLINE TO WITHDRAW TROOPS WAS A MISTAKE. In Afghanistan, a major surge of 120,000 US and British troops in 2010 under legendary US General David Petraeus had started to make real progress, beating back the Taliban and securing great chunks of civilian areas. But Obama and Cameron again defied their very best commanders' military advice to set an artificial deadline to withdraw all combat troops by December 2014. This was whether the Taliban had been defeated or not, as if war's timetable can be run by a cuckoo clock...

WE IGNORED SYRIA'S PEOPLE IN THEIR HOUR OF NEED. Worst of all, that cowardly collapse in confidence and leadership meant the West turned its back on Syria. In an act that shames a generation, we ignored its desperate people in their greatest hour of need when their uprising

against tyrannical president Assad began in 2011. A power vacuum emerged, and IS with all their evil filled it.

THE NUMBER OF REFUGEES HAS REACHED A BIBLICAL SCALE. Close to nine million Syrians have since been uprooted from their homes, with three million of them fleeing the country completely – and so we are reaping what we sowed. The numbers flooding towards Northern Europe have reached a truly Biblical scale...

WE MUST FINISH THE JOB IN AFGHANISTAN, IRAQ, LIBYA AND SYRIA. Well yes there is actually. It's out of vogue at the moment, but it's called liberal intervention. Or, doing the right thing, taking sides again and finishing the job – in Afghanistan, Iraq, Libya and, yes, Syria... Turning our back on the world never works, because eventually the world comes back to bite us [75].

Tom N. Dunn, Political Editor, SunNation, England.

The GPS Editor in Chief Comment. Only 'We' – USA/NATO are the cause of EU Refugee Crisis after destroying Afghanistan, Iraq, Libya, Yemen and Syria. USA/NATO become the "*Death and Destroyer*" of these worlds or "*new world disorder*" (Chomsky), of which gushed a powerful stream of spontaneous refugees. And that means "*We must finish what we started?*" The US/NATO began the genocide of these nations, hence the author proposes to bring it to the end, to the complete extermination of their population, and then refugees will be no and 'we' (West) can live without problems on bones of other civilizations... This is a prime example of criminal militaristic consciousness excluding the peaceful solutions. It is position of the hawks.

53. Europe's Refugee Crisis Was Made in America. *Editors*

Washington helped create the conditions with its wars in Iraq and Afghanistan [75a]. All over Europe and the Mediterranean world, barriers are being breached: the natural and man-made barriers used by nation-states to shut out unwanted travelers; the barriers of fear and grief that keep people from fleeing war or poverty until they have no choice; the barriers of indifference that enable the rest of us to get on with our lives as if those men, women, and children were no concern of ours. More than 380,000 people have crossed the Mediterranean this year in search of safety, two-thirds of them landing in Greece; at least 2,850 have drowned or are missing at sea. Syrians, Iraqis, Afghans, and others walk for days in the heat, sleep rough on docks or station platforms or by the side of the road, are tear-gassed and beaten at borders and crammed into trains like cattle as they try to make their way north.

The numbers keep on growing, but for those on the edge of Europe struggling with their own troubles, the story is not new. The authorities are overwhelmed, as are the solidarity networks that offer food and water, shelter and medical care. On a continent that seemed divided between north and south by the financial crisis, **the refugee crisis has revealed a different rift: between thousands of ordinary citizens, from Greece to Germany to Britain, ready to share their bread and open up their homes, and governments determined to fortify their borders and protect their power, backed by both the anxious and the frankly xenophobic.**

It's taken clashes in Greece and on the Macedonian border, the death of 71 people in a truck in Austria, and public horror at those photographs of 3-year-old Alan Kurdi, small and limp as a rag doll in a Turkish officer's hands, to prick the European Union into a belated and inadequate response. Germany has taken the lead, opening its borders to Syrians, suspending the iniquitous Dublin III regulation that requires refugees to apply for asylum in the first European Union country they enter, and supporting as a first step a plan to settle at least 160,000 Syrians in EU member states. Germany, said Vice Chancellor Sigmar Gabriel, could accept half a million refugees a year "for several years." But Hungary, Poland, and Denmark will have none of it. Britain (which funds refugee camps in the Middle East) has offered to take a mere 20,000 people directly from the region in the next five years. The suffering and chaos that result from the failure to act nourish the far right – as well as homegrown jihadis – more effectively than a program of integration ever would.

But this is not a problem for Europe to solve alone. The Syrian civil war has displaced more than 4 million people, most of them to other countries in the region – though conspicuously not to the Persian Gulf states or Saudi Arabia, friend to the West and armorer of Islamist fighters in Syria. **The rise of the Islamic State, or ISIS – now terrorizing Syria and Iraq and threatening neighboring countries – was sparked by the aftermath of the Iraq invasion and further fueled by the misguided tactics of the United States and Britain in Syria. Yet the United States has accepted just 1,500 Syrian refugees since the civil war began. Of the 22 presidential candidates, only Martin O’Malley has called for an increase in numbers, up to 65,000. Neither Hillary Clinton nor Bernie Sanders has responded to requests from the UK-based newspaper The Guardian to comment on the issue.**

Meanwhile, the people keep coming, and will continue to risk their lives to come. The Syrians entering Europe now are fleeing war, not poverty, but anyone who has spent time among refugees and migrants **knows that these forms of violence often go hand in hand. Two billion people live on less than \$1.25 a day.** The barrier that once protected the rich world from the poor has been crumbling for years, undermined by globalization and the information revolution. No amount of barbed wire or steel can stand it up again [75a].

VIII. USA/NATO/EU: “Military-Industrial-Congressional (‘Democratic’ – L.S.) Complex” (Reich) and Disarmament Abolition

54. The Disturbing Expansion of the Military-Industrial Complex *Mairead Maguire*

'It is shocking to listen to politicians and military boast of their military prowess when in lay persons' terms what it means is killing of human beings.' How can we explain that in the 21st century we are still training millions of men and women in our armed forces and sending them to war? There are more choices than war or peace, there are **multi-optional choices and a civilian-based non-military diplomatic-political policy has more chance of succeeding in solving a violent conflict.** In war, the cost in civilian lives is incalculable, not to mention the many military personnel whose lives are destroyed. Then there is the cost to the environment and the cost to human potential as our scientists waste their lives planning and researching even more horrific weapons which increasingly, in modern war, **kill more civilians than combatants.**

For example, **the United States and the United Kingdom committed genocide against the Iraqi people when, between 1990 and 2012, they killed 3.3 million people – including 750,000 children – through sanctions and wars.** We all also watched our television screens in horror in July and August this year as the Israeli military bombarded civilians in Gaza for 50 days. But, why are we surprised at this cruelty of military when they are doing what they are trained to do – kill, at the behest of their politicians and some people? It is shocking to listen to politicians and military boast of their military prowess when in lay persons' terms what it means is killing of human beings. **Every day through our television and local culture, we are subjected to the glorification of militarism** and bombarded with war propaganda by governments telling us we need nuclear weapons, arms manufacturers, and **war to kill the killers who might kill us.**

However, too many people do not have peace or the basics to help them achieve peace. They live their lives struggling with the roots of violence, some of which are poverty, war, militarism, occupation, racism and fascism. They have seen that they release uncontrollable forces of tribalism and nationalism. These are dangerous and murderous forms of identity which we need to transcend. To do this, we need to acknowledge that **our common humanity and human dignity are more important than our different traditions;** to recognise that our lives and the lives of others are sacred and **we can solve our problems without killing each**

other; to accept and celebrate diversity and otherness; to work to heal the ‘old’ divisions and misunderstandings; to give and accept forgiveness, and to choose listening, dialogue and diplomacy; to disarm and demilitarise as the pathway to peace.

In my own country, in Northern Ireland, when faced with a violent and prolonged ethnic/political conflict, the civil community organised to take a stand, rejected all violence and committed itself to working for peace, justice and reconciliation. Through unconditional, all-inclusive dialogue, we reached peace and continue to work to build up trust and friendship and change in the post-conflict era. The civil community took a leading role in this journey from violence to peace. I hope this will give an example to other countries such as Ukraine...

Unfortunately instead of putting more energy into providing help for E.U. citizens and others, we are witnessing the **growing militarisation of Europe**, its role as a driving force for armament and its dangerous path, **under the leadership of the United States/NATO, towards a new ‘cold’ war and military aggression**. The European Union and many of its countries, which used to take initiatives in the United Nations for peaceful settlements of conflict, **are now one of the most important war assets of the U.S./NATO front**. Many countries have **also been drawn into complicity in breaking international law through U.S./U.K./NATO wars** in Afghanistan, Iraq, Libya, and so on.

It is for this reason that **I believe NATO should be abolished and that steps be taken towards disarmament** through non-violent action and civil resistance. The means of resistance are very important. Our message that **armed groups, militarism and war do not solve our problems but aggravate them challenges us to use new ways and that is why we need to teach the science of peace at every level of society**.

The whole of civilisation is now facing a challenge with the growth of what President Dwight Eisenhower (1953–1961) warned the U.S. people against – **the military/industrial complex – saving that it would destroy U.S. democracy**. We know now **that a small group made up of the military/industrial/media/corporate/academic elite, whose agenda is profit, arms, war and valuable resources, now holds power worldwide and has a stronghold on elected governments**. We see this in the gun and Israeli lobbies, among others, which wield great power over U.S. politics. We have witnessed this **in ongoing wars, invasions, occupations and proxy wars, all allegedly in the name of “humanitarian intervention and democracy”**. However, in reality, **they are causing great suffering, especially to the poor**, through their policies of arms, war, domination and control of other countries and their resources.

Unmaking this agenda of war and demanding the implementation of justice, human rights and international law is the work of the peace movement. We can turn our current path of destruction around by spelling out a clear vision of what kind of a world we want to live in, **demanding an end to the military-industrial complex, and insisting that our governments adopt policies of peace**, just economics and cooperation with each other in this multi-polar world [76].

Mairead Corrigan Maguire won the 1976 Nobel Peace Prize for her work for peace in Northern Ireland. She is author of the book, *The Vision of Peace*. She lives in Belfast, Northern Ireland.

Web: www.peacepeople.com

55. How to Disrupt the Military-Industrial-Congressional Complex

Robert B. Reich

President Obama is said to be considering an executive order requiring federal contractors to disclose their political spending. He should sign it immediately. But he should go further **and ban all political spending by federal contractors** that receive more than half their revenues from government. Ever since the Supreme Court’s shameful Citizens United decision, **big corporations have been funneling large amounts of cash into American politics**, often secretly.

Bad enough. But when big government contractors do the funneling, American taxpayers foot the bill twice over: We pay their lobbying and campaign expenses. And when those efforts nab another contract, we pay for stuff we often don't need.

This is especially true for **defense contractors – the biggest federal contractors of all**. A study by St. Louis University political scientist Christopher Witko reveals a direct relationship between what a corporation spends on campaign contributions **and the amount it receives back in government contracts**. A case in point is America's largest contractor – Lockheed Martin. More than 80 percent of Lockheed's revenues come from the U.S. government, mostly from the Defense Department. Yet it's hard to say Lockheed has given American taxpayers a good deal for our money. For example, Lockheed is the main contractor for the F-35 Joint Strike Fighter – the single most expensive weapons program in history, and also one of the worst. It's been plagued by so many engine failures and software glitches that Lockheed and its subcontractors practically had to start over this year.

Why do we keep throwing good money after bad? **Follow the money behind the money**. According to the Center for Responsive Politics, **Lockheed's Political Action Committee spent over \$4 million on the 2014 election cycle, and has already donated over \$1 million to candidates for 2016**. The **top congressional recipient** of Lockheed's largesse is Mac Thornberry (R-Texas), Chairman of the House Armed Services committee. **Second-highest** is Rodney Frelinghuysen (R-New Jersey), Chair of the Defense Subcommittee of the House Appropriations Committee. **Third is Kay Granger**, the Subcommittee's Vice-Chair. Lockheed also maintains a squadron of Washington lawyers and lobbyists dedicated to keeping and getting even more federal contracts. **The firm spent over \$14 million lobbying Congress last year. Remarkably, 73 out of Lockheed's 109 lobbyists are former Pentagon officials, congressional staffers, White House aides, and former members of Congress.**

You and I and other taxpayers shouldn't have to pay Lockheed's lobbying expenses, but these costs are built into the overhead Lockheed charges the government in its federal contracts. And we shouldn't foot the bill for Lockheed's campaign contributions, but these are also covered in the overhead the firm charges – including the salaries of executives expected to donate to Lockheed's Political Action Committee. **The ten largest federal contractors are all defense contractors, and we're indirectly paying all of them to lobby Congress and buy off politicians.**

To state it another way, we're paying them to hire former government officials to lobby current government officials, and we're also paying them to bribe current politicians – all in order to keep or get fat government contracts that often turn out to be lousy deals for us. Fifty six years ago, President Dwight Eisenhower warned of the dangers of an **unbridled “military-industrial complex,” as he called it. Now it's a military-industrial-congressional complex**. After Citizens United, it's less bridled than ever. That's why President Obama shouldn't stop with an executive order requiring government contractors to disclose their political contributions. **He should ban all political activities** by corporations getting more than half their revenues from the federal government. That includes Lockheed and every other big defense contractor [77].

Robert B. Reich, Chancellor's Professor of Public Policy at the University of California at Berkeley and Senior Fellow at the Blum Center for Developing Economies, was Secretary of Labor in the Clinton administration. He has written thirteen books.

The GPS Editor in Chief Comment. The legislative ban will not stop corporations in their buying of Congress and "democracy" in a whole. Only spherical democracy of SPHERONS as a true peaceful and people's democracy with an internal anti-corrupt immunity is able to overcome the unbridled venality of “military-industrial-congressional ('democratic' – L.S.) complex”. It offers GPS. Another way to disrupt this complex does not exist.

56. Do you Know what Makes Money? War Makes Money. Lots of Money

Bethany Snow

Dear Leo, Do you know what makes money? War makes money. Lots of money. And at a time when the military-industrial complex is more expansive and powerful than ever, the best way for them to keep making lots of money is simple – **we must have endless war. In Syria. Iraq. Afghanistan. Yemen.** And behind every defense contractor profiting off our continued and renewed involvement abroad is **a corporate media company beating their war drums and waving their battle flags.**

Common Dreams was here for you in the dark days of 2001 as Bush's global “War on Terror” began, **highlighting the lies in the administration’s post 9/11 arguments.** We were here for you **bringing you the truth** as the Obama administration continued the now endless war. And now in 2014 we are still here for you as the voice of sanity, reason and reliable analysis. **We can only do this because we are non-profit.** We sell no advertising. We rely on support from you, our readers, to keep us moving forward. And it is your support that has kept us fiercely independent. We are writing you now because Common Dreams needs your help to keep moving forward. ... We have to stop this endless war. We have to stand together. We won't be silenced. But we can't do it without you. With deepest gratitude,

Bethany Snow for the whole Common Dreams news team: <http://www.commondreams.org/donate>, Oct. 24, 2014.

The GPS Editor in Chief Comment. The truth, as well as peace is impoverished in fatty military-industrial-nondemocratic-complex serving to endless wars, not people. This deceitful militarist and anti-democratic order should be changed into a true peaceful and democratic order of harmonious classes of the population – SPHERONS, which are disclosed in GPS (see 8.9.). Another way for this shift to the better world does not exist.

57. Nuclear Disarmament: If Not Now, When? *Robert C. Koehler*

Oh plaintive cry for justice, for change, for the world we must create, welling up from a tiny island nation in the Pacific Ocean. I can only pray: Let there be an authority large enough to hear it. My first reaction, upon learning that the Republic of the Marshall Islands – former U.S. territory, still ravaged and radioactive, the site of 67 H-bomb tests between 1946 and 1958 – **has filed lawsuits against the nine nations that possess nuclear weapons demanding that they eliminate their arsenals,** as per the provisions of the 1968 Nuclear Non-Proliferation Treaty, **was cringing disbelief. Are they serious? I couldn't imagine an action more futile.** But the disbelief was mixed with hope, and the hope remains vibrant as the world marks the 70th anniversary of the bombing of Hiroshima and Nagasaki and the launching of the geopolitics of M.A.D. Could hope possibly be more painful?

The anti-nuke lawsuits were filed in April 2014, in both U.S. Federal Court and the International Court of Justice in The Hague. Big surprise. The U.S. suit was dismissed some months ago as “speculative” and because the Marshall Islands “lacks standing” to bring the suit. Yeah, upstart nation of no international significance. All it did is serve as an expendable swath of atolls in the middle of nowhere, a site ideal to absorb multiple megatons of nuclear testing over a dozen years. The islands' inhabitants were, in the arrogant, racist parlance of the time, simple “savages” whose culture, whose very lives, had far less value than the technological advancements the testing yielded. **Cancer, birth defects and other consequences of radiation are the lasting result, but who cares? Three decades ago, the U.S. settled its genocidal debt to the islanders with a payment of \$150 million “for all claims, past, present and future.”** This pittance – this nuisance settlement – is, of course, long gone. Too bad. “*What many Americans seem to want to forget,*” wrote scholar Sandra Crismon, as quoted recently by Robert Alvarez in the Bulletin of the Atomic Scientists, “*is that for the Marshallese, nuclear testing is not a historical event, as they continue to deal with the huge environmental and human health costs.*”

But their lawsuits in the two courts, with a decision still pending from the ICJ, isn't seeking additional compensation. The suits merely seek to hold the nuclear-armed nations

accountable to the Non-Proliferation Treaty, which calls for the dismantling of all nuclear weapons. How did that small provision get overlooked? Five of these nations – the U.S., U.K., France, Russia and China – are signatories to the agreement. The other four – Israel, India, Pakistan and North Korea – though they've snubbed the treaty, are nonetheless accountable to international law, the lawsuit maintains. If nothing else, the tiny island nation is standing eyeball to eyeball with superpower arrogance and crippled morality... Meanwhile, states actually possessing these destructive weapons have hardly even 'talked the talk,' **while completely brushing off their disarmament obligations under the non-proliferation treaty.**" History's conquerors will not be the ones who free humanity from its suicidal vise. This is the paradox. **The transition we have to make must emerge beyond the institutions that have trapped us.** Nuclear weaponry is the outcome of 10,000 years of human experimentation outside the circle of life. The institutions we've built, the logic we've adhered to, lead us nowhere, except to more of the same. **Desperate as we are to keep Iran from developing nuclear weapons, we devote billions of dollars annually to upgrading our own.** There are still nearly 16,000 nuclear weapons on the planet, some 1,800 on Cold War-era hair-trigger alert. **We've been on the brink of self-annihilation for 70 years. What sanity can we access to save ourselves?**

"Everything turned red – the ocean, the fish, the sky and my grandfather's net. And we were 200 miles away from ground zero. A memory that can never be erased." These are the words of Tony DeBrum, minister of foreign affairs for the Republic of the Marshall Islands, who, Alvarez tells us in his Bulletin of the Atomic Scientists essay, addressed the recent Nuclear Non-Proliferation Treaty Review Conference. DeBrum was 9 years old, out fishing with his grandfather, on March 1, 1954, when the Castle Bravo blast – all 15 megatons of it, **the largest U.S. nuclear test ever – was detonated on Bikini Atoll.** To its innocent witnesses, it must have foretold the end of the world. The Marshall Islands lawsuits ask: **If not us, who? If not now, when?** These are the questions asked by those who have no choice. That means all of us should be asking them [78].

Robert Koehler is an award-winning, Chicago-based peace journalist and nationally syndicated writer. Contact: koehlercw@gmail.com or: <http://commonwonders.com/>

The GPS Editor in Chief Comment. The value of modern industrial "democracy" is a war that is killing and death as on the Marshall Islands but not peace and life, so this is not democracy but militarism. True democracy begins with peace and ends with it. Such democracy is possible only at the **"right division of the population"** (Montesquieu) into four equal in rights and harmonious spherulic classes (SPHERONS) and at equal distribution of power between them (see. 8.9.). Only such democracy can achieve general and complete disarmament, and to make global peace by a key issue of world politics, not war as in modern democracy. **This way of disarmament from social harmony [79; 8.12.] is offered by GPS.** Another way for disarmament does not exist. Only it did not *"brushing off their disarmament obligations"*, only it will take us *"beyond institutions"* of democracy *"that have trapped us"* and only it will free us from nuclear weapon and will lead us away from *"the brink of self-annihilation for 70 years."* GPS is the answer to the author's sacramental question: **"What sanity can we access to save ourselves?"** GPS is this sanity.

IX. USA/NATO: Alternatives, Resistance and Protests

58. In Rejecting Columbus, Cities Forge Path Toward System Alternative

Deirdre Fulton

'Columbus did not discover America, he plundered it and he brutalized its people,' Seattle's Sawant says. A scene from a 2013 anti-Columbus Day protest in Washington, DC.

As Minneapolis and Seattle mark their cities' first-ever Indigenous Peoples' Day, **activists are calling for a nationwide revocation of Columbus Day** in favor of a holiday that honors the

more complicated past of this land's original inhabitants. In an interview with Democracy Now!, Seattle city council member Kshama Sawant, one of the sponsors of that city's recently passed resolution, explained the importance of such efforts. By rejecting Columbus Day, "*we're making sure that we acknowledge the absolute horrors of colonization and conquering that happened in the Americas at the hands of the European so-called 'explorers.'*" Sawant said. Columbus, she noted, was a "*prolific slave owner*" who was responsible for "**mass enslavement and genocide**" that decimated the Native American population. "*Columbus did not discover America,*" Sawant added. "*He plundered it and he brutalized its people.*" It's well past time for the U.S. to realize that "*Columbus Day is a metaphor and painful symbol of that traumatic past,*" historian and writer Roxanne Dunbar-Ortiz argued in an open letter to President Barack Obama...

"Everything that's happening around us is showing us that more and more people are realizing that in general, this system of capitalism that rests on a history of slavery and colonialism and continues the exploitation and war and violence to this day is not working for us," Sawant said. "*We need an alternative. There's never been a better time for us to be united and fight for socialism, fight against corporate domination.*" She continued: "*We want this resolution to be a building block to start... a real debate about why is it that we see such poverty, unemployment, and such brutalization of our indigenous communities even today?"*

And by doing so, she said, we can deepen the intersections among oppressed groups. "*Our task on the left is to join these movements together and give a much more amplified voice to the struggle of the Indigenous communities by realizing that their struggle is connected to the black struggle in Ferguson; it's connected to the struggle of women against sexism and sexual violence; it's connected to the struggle of workers overall for workplace justice [80]."*

Deirdre Fulton, staff writer, Common Dreams, USA

59. A Global Security System: An Alternative to War. Blueprint

David Swanson

In *On Violence*, Hannah Arendt wrote that the reason warfare is still with us is neither a death wish of our species nor some instinct of aggression, ". . . but the simple fact that no substitute for this final arbiter in international affairs has yet appeared on the political scene." The Alternative Global Security System we describe here is the substitute.

The goal of this document is to gather into one place, in the briefest form possible, everything one needs to know to work toward an end to war **by replacing it with an Alternative Global Security System in contrast to the failed system of national security**. For nearly all of recorded history we have studied war and how to win it, but war has become ever more destructive and now **threatens whole populations and planetary ecosystems with annihilation in a nuclear holocaust**. Short of that, it brings "conventional" destruction unimaginable only a generation ago, while looming global economic and environmental crises go unattended. Unwilling to give in to such a negative end to our human story, **we have begun to react in positive ways**. We have begun to study war **with a new purpose: to end it by replacing it with a system of conflict management that will result, at the very least, in a minimal peace. This document is a blueprint for ending war. It is not a plan for an ideal utopia. It is a summary of the work of many**, based on many years of experience and analysis by people striving to understand **why, when almost everyone wants peace we still have wars**; and on the work of countless people who have real-world political experience in nonviolent struggle as a substitute for war...

World Beyond War is helping **build a global nonviolent movement to end war and establish a just and sustainable peace**. **We believe** the time is right for a large-scale cooperation among existing peace and anti-war organizations and organizations seeking **justice, human rights, sustainability and other benefits to humanity**. **We believe** that the overwhelming majority of **the world's people are sick of war and ready** to back a global movement to **replace it with a system of conflict management that does not kill masses of people, exhaust resources, and degrade the planet**. World Beyond War **believes** that **conflict between nations and within nations will always exist** and that it is all too

frequently militarized with disastrous results for all sides. **We believe that humanity can create – and already is in the process of creating – a non-militarized alternative global security system that will resolve and transform conflicts without resort to violence. We also believe** that such a system will **need to be phased in while phasing out militarized security**; hence we advocate such measures as non-provocative defense and international peacekeeping in the early stages of the changeover.

We are confident that **viable alternatives to war can and will be constructed. We do not believe** we have described a perfect system. **This is a work-in-progress which we invite others to improve.** Nor do we believe that such an alternative system might not fail in limited ways. However, **we are confident** that such a system will not fail people in the massive ways that the current war system does, and we also provide **means of reconciliation** and a return to peace should such limited failures occur. You will see here **the elements of an Alternative Global Security System that does not rely on war or the threat of war.** These elements include many for which people have long been working, sometimes for generations: **the abolition of nuclear weapons, reform of the United Nations, ending the use of drones, changing national priorities from wars and preparations of war to meeting human and environmental needs and many others.** World Beyond War **intends to cooperate fully** with these efforts while mobilizing a mass movement to end war and replace it with an alternative global security system.

The Iron Cage of War: The Present War System Described. When centralized states began to form in the ancient world they were faced with a problem we have just begun to solve. If a group of peaceful states were confronted by an armed, aggressive war-making state, they had only **three choices: submit, flee, or imitate the war-like state** and hope to win in battle. In this way the international community became militarized and has largely remained so. **Humanity locked itself inside the iron cage of war.** Conflict became militarized. War is the sustained and coordinated combat between groups leading to large numbers of casualties...

While particular wars are triggered by local events, they do not "break out" spontaneously. They are the **inevitable result of a social system** for managing international and civil conflict, the War System. **The cause of wars in general is the War System which prepares the world in advance for particular wars.** The War System rests on a set of interlocked beliefs and values ... they are demonstrably false ... common War System myths...

Unfortunately, in the 21st century, **it has become patently clear that making war does not work to create peace**, as the case of the two Gulf Wars, the Afghan War and the Syrian/ISIS war clearly demonstrate. We have entered a state of perm a war. **We can end war only if we change the mindset.** ask the relevant questions in order to get at the causes of an aggressor's behavior and, above all, to see if one's own behavior is one of them. **Like medicine, treating only the symptoms of a disease will not cure it.** In other words, we must reflect before pulling out the gun. This blueprint for peace does that.

The War System does not work. It does not bring peace, or even minimal security. What it produces is mutual insecurity. Yet we go on. Wars are endemic; in a War System everyone has to beware of everyone else. **The world is a dangerous place because the War System makes it so. ...** Examples abound: the Arab-Israeli conflict, the India-Pakistan conflict, **the American war on terror that creates ever more terrorists.** Each side maneuvers for the strategic high ground. Each side demonizes the other while trumpeting its own unique contribution to civilization... **In these ways the War System is self-fueling, self-reinforcing and self-perpetuating.** Believing that **the world is a dangerous place**, nations arm themselves and act belligerently in a conflict, thus proving to other nations that the world is a dangerous place and therefore **they must be armed** and act likewise. ... Alternatives to particular wars are almost never seriously sought and **the idea that there might be an alternative to War itself, almost never occurs to people. One does not find what one does not seek.**

The entire cultural complex of the War System must be replaced with a different system for managing conflict. **It is no longer sufficient to end a particular war or particular weapons system if we want peace.** The entire cultural complex of the **War System must be replaced with a different system** for managing conflict. Fortunately, as we shall see, such a system is already developing in the real world. The War System is a choice. **The gate to the iron cage is, in fact, open and we can walk out whenever we choose [81].**

A Global Security System: An Alternative to War. (March 2015, 77 pages) Contents:
Executive Summary. Vision. Introduction: A Blueprint for Ending War.

(I) Why is an Alternative Global Security System both Desirable and Necessary? The Iron Cage of War: The Present War System Described. The Benefits of an Alternative System. The Necessity of an Alternative System – War fails to bring peace. War is Becoming Ever More Destructive. The World is Facing a Crisis.

(II) Why we Think a Peace System is Possible? There is already more Peace in the World than War. We Have Changed Major Systems in the Past. We Live in a Rapidly Changing World. Compassion and Cooperation are Part of the Human Condition. The Importance of Structures of War and Peace. How Systems Work? An Alternative System is Already Developing. Nonviolence: The Foundation of Peace.

(III) Outline of an Alternative Security System. Common Security. Demilitarizing Security. Shift to a Non-Provocative Defense Posture. Create a Nonviolent, Civilian-Based Defense Force. Phase Out Foreign Military Bases. Disarmament. UNODA. End the Use of Militarized Drones. Phase Out Weapons Of Mass Destruction. Conventional Weapons. End Invasions and Occupations. Realign Military Spending, Convert Infrastructure to Produce Funding For Civilian Needs (Economic Conversion). Reconfigure The Response to Terrorism. Dismantle Military Alliances. Managing International and Civil Conflicts. Conventional Weapons. Shifting To A Pro-Active Posture. Strengthening International Institutions. Reforming the United Nations. Reforming the Charter to More Effectively Deal with Aggression. Reforming the Security Council. Provide Adequate Funding. Forecasting and Managing Conflicts Early On: A Conflict Management. Reform the General Assembly. Strengthen the International Court of Justice. Strengthen the International Criminal Court. Nonviolent Intervention: Civilian Peacekeeping Forces. International Law. Encourage Compliance With Existing Treaties. Create New Treaties. Create a Stable, Fair and Sustainable Global Economy as a Foundation for Peace. Democratize International Economic Institutions (WTO, IMF, IBRD). Create an Environmentally Sustainable Global Marshall Plan. A Proposal For Starting Over: A Democratic, Citizens Global Parliament. Inherent Problems With Collective Security. The Earth Federation. International Non-government Organizations: The Role of Global Civil Society.

(IV) Creating a Culture of Peace. Telling a New Story. The Unprecedented Peace Revolution of Modern Times. Debunking Old Myths about War. Planetary Citizenship: One People, One Planet, One Peace. Spreading and Funding Peace Education and Peace Research. Cultivating Peace Journalism. Encouraging the Work of Peaceful Religious Initiatives.

(V) Accelerating The Transition To An Alternative Security System. Educating the Many and the Decision and Opinion Makers. Nonviolent Direct Action Campaigns. Conclusion [82]. (The Alternative full text of 77 pages see in PDF here: [83]. Obviously, the Alternative content is more widely represented in the previous and more fundamental book: David Swanson: *Killing Is Not a Way of Life* [84] but its full text is not available online.). **David Swanson**, Cofounder and Director, World Beyond War, USA.

Web: <http://worldbeyondwar.org/> **E-mail:** david@davidswanson.org

The GPS Editor in Chief Review. We, GHA (Global Harmony Association) and over a hundred the GPS (Global Peace Science) coauthors appreciate highly this small but very capacious and important book ("report" by their definition) of David Swanson and his colleagues from his remarkable organization "World Without War" (WWW). For brevity, we name this book/report as "Alternative", which is written in the genre of political journalism and is its prime example covering about 70 major topics of war and peace on 70 illustrated pages, richly decorated with photos, drawings, tables and charts, where each topic is unfolded in a few reporter sentences. (For comparison, the GPS book is more than 500 pages and it is only the beginning of it). This Alternative, as well as GPS, is created by "*the work of many experts in international relations and peace studies*". Unfortunately, in contrast to the GPS list of more than 100 coauthors from over 30 countries, Alternative is deprived of its list of "experts" that is difficult to explain and it raises many questions. Between GPS and Alternative is lot in common, as well as significant differences. Both are "*a work-in-progress which we invite others to improve and will always be a living document*".

The Alternative main merit, which is fully shared by us, we see a positive confidence and desire to **put an end to war (War System) by "replacing it with an Alternative Global Security System as just and sustainable peace"**. The GPS purpose is similar: to build global peace eliminating all wars and their opportunity that can be done only on the basis of social harmony, which began to comprehend the outstanding thinkers of the past, starting with Buddha, Confucius, Plato and many others. But the knowledge of which is still not culminated in the creation of its science of its extreme complexity. We admire lapidary but effective criticism of the War System, a great debunking thirteen "*old myths about the war*" and absolutely correct its estimates: "*war has become ever more destructive and now threatens*

whole populations and planetary ecosystems with annihilation in a nuclear holocaust", *"humanity locked itself inside the iron cage of war"*, *"the War System does not work. It does not bring peace, or even minimal security. What it produces is mutual insecurity"* for example *"the American war on terror creates ever more terrorists," "War System is self-fueling, self-reinforcing and self-perpetuating"* and etc. This criticism and unmasking the War system is the perfect journalistic introduction to GPS.

But between GPS and Alternative, there are two major differences: **1. By the form or genre:** Alternative was created in the genre and peace journalism as a "reportage-report", which does not look deeply; and GPS was created in the genre of academic research based on theoretical proof, statistical data and empirical facts and evidences; and **2. By the content:** GPS is the science about objective grounds of global peace – on the social harmony of universal peace classes of the population – SPHERONS (Chapter 1 and 2); and Alternative is an intuitive belief, subjective conviction, psychological will and a rich social imagination of peace with many positive ideas, which can be incorporated into the science of GPS at their respective scientific substantiation. This is a good, but not system-defined, generalized and scientifically grounded kit of peacemaking ideas and suggestions.

Alternative is a remarkable attempt to give a complete holistic picture of global peace that is a rare, perhaps even unique attempt in American peacemaking literature suffering fragmentarily and far from a holistic approach. But this "report", unfortunately, does not have the fundamental objective foundations; it does not account for the great ideas of social harmony of prominent peacemaking theorists who created vast treatises of "Perpetual Peace". Alternative is lacking of scientific and historical pillars so it maybe only the popular preface to scientific picture of peace in GPS, which (preface), of course, is also very important. Alternative brilliant idea about single "planetary citizenship" [83, c 59] is supplemented in the GPS by the inclusion in it a central moment of social harmony, "**One Planet – One Mankind/People – One Harmony – One Peace**" (see 5.4.). The issue of social harmony is a fundamental dividing our approaches: its recognition in GPS allows to build a complete holistic picture of vision for global peace, which (picture) Alternative is lacking.

This report is a great dream of peace-making and excellent peaceful utopia. It is its achievement and its radical lack simultaneously. In this form it is impractical, unfeasible and inaccessible for reality that requires a scientific approach and scientific holistic picture, which was founded in GPS. **Without science of peace global peace cannot be that has proven history.** But the peace science is needed to whom, who needs real, not fantastic peace. To whom this peace is not needed, to who the peace science does not need. **The GPS preference is that it reveals the objective basis for global peace for all the peoples and individuals, regardless of their differences and subjective beliefs, convictions and biases.** Alternative is far from scientific definition of social actors of war and peace but without them they cannot be deep and systematic understanding. The foundations of peace in Alternative were called different things: non-violence, economy, democracy and conflict, which together do not have the common denominator of social harmony as in GPS. "**Conflict between nations and within nations will always exist.**" If the place of social harmony we put the eternal universal conflict, we deprive ourselves of any possibility of constructing "Alternative Security System" as the evolution of conflict inevitably leads to violence and war. They are excluded only social harmony that has an infinite number of real evidences. On the conflict can be built only limited military security system that, essentially, is suggested in Alternative and which permits "Conventional Weapons", "Civilian-Based Defense Force", "Nonviolent Intervention" and other vestiges of the War System.

Thus, Alternative shows, contrary to its objective that on the conflict basis to reach the end of all wars is impossible. With this is connected another no less important contradiction of Alternative. It argues that *"the world's people are sick of war" but the idea "that there might be an alternative to War itself, almost never occurs to people. One does not find what one does not seek."* *"We can end war only if we change the mindset" and "the gate to the iron cage is, in fact, open and we can walk out whenever we choose"*. Therefore, according to this logic, humanity knows that it is sick of war but cannot be treated from this disease; it cannot change its mindset and make the correct, peace, choice from the iron cage of war, in which it locked itself. For thousands of years, humanity has not been able to get rid of wars, precisely because it does not knew their deep cause – disharmony and does not knew the cause of global peace – SPHERONS' harmony. These reasons maybe disclose only the science, only GPS, which humanity does not know still, whereas the military science it has created more than two centuries ago. Without science, humanity is not able to change its mindset and will, make the right choice and to find a

way out from the iron cage of war. Therefore, only a science is a decisive condition for achieving world peace, which is disclosed in detail in the GPS book. **This is a true revolution in the understanding of peace** about which the authors write in *Alternative*. Because of these contradictions, it ignores the definition of the main threat, obstacle and enemy of global peace – militaristic block US/NATO, uncontrollable aggressive nature which is revealed in this chapter and **which will never allow to emerge that peace system, which offers Alternative**. Only with GPS maybe the history not as “a succession of wars” but as a series of steps to the peace science (GPS), which only will show the people out of the “iron cage of war.” “**The Unprecedented Peace Revolution of Modern Times**” [83, p. 52] may be associated only with the advent of this science and anything else that is private moments of the War System evolution as a whole **therefore these moments do not prevent the expansion of wars and new wars**. The revolution of the past two centuries is military revolution, associated with the advent of military science. Unprecedented Peace Revolution begins at the beginning of the 21st century with the advent of Global Peace Science.

The GHA and the GPS coauthors hope that the authors of offered wonderful *Alternative* understand the dependence of real peace from its science and will stand up on the path of cooperation with the scientific holistic picture of global peace from social harmony launched in GPS. We are happy to invite them to such cooperation in order to achieve our common goal of the world free from war and to build an alternative system of global peace as the highest security for all nations and people.

60. Fighting for 50 States, Sanders House Parties Expect Tens of Thousands

Deirdre Fulton

The most important thing is building a political movement in which millions of people who have given up on the political process get involved. *"I'm here to tell you the time is now to fight for 50 states in the country."* Sanders told a crowd of 4,500 people in Louisiana on Sunday.

With recent polls showing Democratic presidential candidate Bernie Sanders closing the gap with rival Hillary Clinton and out-polling all of the GOP's leading candidates, progressives nationwide will host coordinated house parties on Wednesday to further fuel the fire of enthusiasm for the self-described democratic socialist. *"I want to know why the rich get richer and everybody else gets poorer. I want to know why the United States is the only major country on Earth that doesn't provide health care to all of its people, the only major country that doesn't have family and medical leave so that women can stay home with their kids when they have a baby. Those are the questions we should be discussing."* – Senator Bernie Sanders

On July 29, Sanders will address thousands of supporters live via streaming video from a home in Washington, D.C. According to his campaign, more than 82,000 people have indicated that they plan to attend one of the more than 3,000 simultaneous local organizing meetings. *"We have a technology available to us that Barack Obama and Howard Dean did not have," the U.S. senator from Vermont said in an interview with the New York Times' First Draft. "And the idea that I can simultaneously be speaking to people located in 1,000 different places is pretty, pretty exciting."* The candidate's address will be followed by a planning meeting for anyone who wants to stay online and discuss joining his campaign.

In a wide-ranging interview with Vox published Tuesday, Sanders elaborated on this organizing strategy. *"I often make the joke, although it's not such a joke, that if we can spend half of the time in this country talking about why the middle class is collapsing, as opposed to football or baseball, we would revolutionize what's going on in America,"* Sanders told Vox.

His campaign bills the event as a chance to **"begin to build the organization that will take this country back from the billionaire class."** And while Sanders agrees that Wednesday's house parties offer the opportunity to establish "a grassroots movement of millions and millions of people," his goals go beyond his own political ambitions... "Some people told me Louisiana was a conservative state – guess not!" Sanders began his address. *"I think my colleagues in the Democratic party have made a very serious mistake, and that is they have*

written off half of America, including Louisiana. And I'm here to tell you the time is now to fight for 50 states in the country." [85]. **Deirdre Fulton**, staff writer, Common Dreams, USA.

61. Sanders Calls for Voting Holiday to 'Fix' Failed Democracy

Lauren McCauley

Independent senator introducing legislation to create 'Democracy Day' to increase turnout. **With rampant voter suppression efforts and a slew of dark money spending to sway voters, Sanders argues that now, more than ever, is when people need to demand their right to vote.** Responding to the "disgraceful" voter turnout for last week's midterm election – **just 36.6 percent** – Senator Bernie Sanders (Vt.) argued on Monday that the way to "fix" American democracy is for Election Day to be established as a national holiday.

"Can we be satisfied with a 'democracy' when more than 60% of people don't vote and some 80% of young people and low-income Americans don't either?" Sanders wrote in a Guardian op-ed published Monday. The column follows Sanders' announcement late last week that he will introduce legislation in upcoming days calling for the creation of "Democracy Day" to provide all Americans with the time and opportunity to vote. Crediting voter disengagement, as well as efforts by "Republican governors and state legislators" to "keep people away from the polls" for the low turnout, Sanders argues... He writes:

"We must convince young people that if they vote in large numbers, we can lower the 20% real unemployment they are experiencing with a major jobs program. We must convince students that if they participate in the political process, we can lower the outrageously high student debt they face. We must convince low-income workers that voting can raise the national minimum wage to a real living wage. We must convince seniors that not only can we prevent cuts to Social Security – we can expand the paltry benefits that so many are forced to live on. We must convince the millions of Americans who are deeply worried about climate change that political participation can transform our energy system away from fossil fuels to energy efficiency and sustainable energy – and create millions of jobs."

The United States currently ranks 120th in the world for average national turnout, according to the International Institute for Democracy and Electoral Assistance. Sanders acknowledges Democracy Day won't be a "cure-all," adding that public funding of elections and an amendment to overturn Citizens United are also essential to achieving *"the kind of political system that the world can look upon as an example, not a failure."* Election watchdog groups charged that the 2014 midterms were the most *"unfair, confusing, and discriminatory election landscape" in fifty years*, with voters nationwide facing a slew of new voting rules and restrictions meant to suppress turnout. Further, this election also marked the most expensive midterm election in history with dark money groups spending **\$1 billion to sway American voters**. *"Throughout American history, people have fought and died to protect our democracy and set an example for other nations,"* Sanders continued. *"When billionaires and corporations tilt elections, conservatives suppress voting and crucial voters feel unengaged, what kind of example for the world is that?"* [86].

Lauren McCauley, staff writer, Common Dreams, USA.

62. The Slavic and the American World:

The Possibility of Peaceful Cooperation. *Rudolf J. Siebert*

The article full text with all the numerous references omitted below, posted here: [87].

Critical theorists of the Frankfurt School, and connected global peace-and conflict-resolution scientists and researchers remember, that once the great classical and proletarian, dynamic idealists saw beyond the decline of old Europe in Russia and America the *land of the future*, in which the universal and the particular, the religious and the secular, the personal autonomy and universal, i.e. anamnestic, present,

and proleptic solidarity, would be reconciled, **and peace and harmony would be achieved** [Horkheimer: 88, p. 13–79, 100–118]. Europe was no longer to make wars, because history was moving beyond it into the American World and into the Slavic World – what today is called the *Eurasian Union*.

The wars, which Europe continued to make, nevertheless, throughout the 19th, 20th, and 21st, centuries only brought the American and the Slavic World further to the front of the historical process. Adolf Hitler declared war against Russia and America. Both together, the Slavic and the American World, defeated European fascism and militarism: *Hubris* was followed by *Nemesis*. Victorious Russian and American troops met in Berlin, – which had been planned to become *Germania*, the center of a thousand year totalitarian, authoritarian, fascist empire, which fortunately ended after 12 years, – and then drew the *Red Line*, or pulled the *Iron Curtain*, – a word coined by Dr. Goebbels, Hitler's Propaganda Minister, before Winston Churchill picked it up in the USA, – of the Cold War down through Thuringia, in the middle of Germany and of Central Europe.

But then followed the tragic Cold War between a nuclearized American and Slavic World. The third youth movement to break out of – what Max Weber had called – the *iron cage of capitalism*, fought not only for new love, new religion, new politics, but also for the absolute prohibition and ban against all atomic weapons, in the name of world peace, and later against the Vietnam War, the peak of the Cold War: it could not speak about war without speaking about capitalism, what President Eisenhower named the Military-Industrial-Congressional Complex. The permanent *World Peace Committee* in Stockholm declared, **that every government, which would use first the atomic weapons against any other country, would be declared to be a war criminal.**

Then under the Leninist Mikhail Gorbachev's *Perestroika*, and his *new thinking for Russia and the world*, the neo-liberal, or neo-conservative, counter-revolution succeeded toward the end of the 1980ties. This was supposedly an age of progressive change: and Gorbachev had made himself its angel and its instrument. There was not a new socialism, but rather a neo-liberalism. The Berlin Wall fell. Now, at the beginning of the 21st century, the old aggressive geopolitics seems to return. Long forgotten discourses about annexation, fascism, militarism, nationalism, and propaganda have entered again the public sphere. That constitutes the East-West crisis of the present historical moment: the so called aggressive transformation of the international order.

We remembered the great sufferings in the Slavic World: the invasions of Crusaders up to the City Republic of Novgorod; of Napoleon with 800 000 Western and Middle Europeans; of Hitler with his project *Barbarossa*, including 4 million Western Europeans, killing 27 million Russians and 6 million Jews. We understood, why many Russians thought, that the third, neo-liberal counter-revolution of 1989, after the liberal one of the 1920s, and the fascist one of the 1940s, and after the disintegration of the Soviet Union, was the greatest geopolitical catastrophe of the 20th century, and **why they worried about the Euromaidan in Kiev, and the appearance and the combination of neo-liberal and Neo-Nazi groups in the Ukraine – the *Aidar Battallion*, the *Patriot of Ukraine*, the *Right Sector*, etc., employing ISIS – like methods, and the burning down of a new synagogue in Kiev, which had just been built in remembrance of the over 30 000 Jews, who had been killed in and around this old city only a few decades earlier by the SS, and in general about the new Eastward trend of the European Union and the NATO.** The West reacted to the breakdown of the Soviet Union only with bourgeois, neo-liberal ideology, rather than with real help. **The newly introduced capitalism led to the impoverishment of large parts of the population.** The unregulated privatization brought about the formation of a capitalistic oligarchy.

There, indeed, existed a conscious strategy of the Neo-Conservatives in the USA, to weaken the new Russian state. **The nationalism in the USA, Clinton's *Necessary Nation*, and Obama's *American Exceptionalism*, were in Russia experienced and rejected as aggressive**, and not like in Germany and Europe as an imperial protective screen, or iron shield. At present, **the USA invests 600 billion dollars for military purposes; the European Union 254 billion; Russia 68 billion. The European Union has 1 559 000 soldiers; the USA 1 492 000; Russia 845 000. Unfortunately, this Western military superiority may be rather an incentive for Russia, to increase its military expenditure.** Of course, the Slavic, European, and American World together own about 77 000 atomic weapons.

We remembered the sufferings not only in the Slavic World, but also in the American World: **the annihilation of the Native Americans; the enslavement of the African Americans; the colonization of the Catholic South by the Protestant North; the unending labor struggles; the exclusion of a**

labor party; the assassinations of liberal leaders; the wars; the terrorism; the corruption; the Pentagon Papers; the depressions; etc. No matter, how rich the American civil society became, it could never resolve its poverty problem: the abominable, murderous slums in every city and in the countryside remained unremovable, and the victims were always blamed. The sad discrepancy between theory and praxis continues unfortunately in the American as well as in the Slavic World.

But we were also, and even more so, interested in the enormous evolutionary potential of the American and the Slavic World, which had catapulted them to the front of the world-historical process in the 20th century. Out of our *Center for Humanistic Future Studies*, including peace- and environmental research, at Western Michigan University, Kalamazoo, Michigan, USA, we founded the international course, entitled *The Future of Religion*, in the IUC, Dubrovnik, Croatia, which has now lasted almost 40 years, as well as the international course named *Religion in Civil Society*, in Yalta, Crimea, which has now lasted almost 13 years, in order to promote peace between the American and the Slavic World. We saw in the rising American and Slavic World an important stage in the long and difficult march of humanity from animality to freedom and peace. In both courses large numbers of scholars met through the years from the American and the Slavic World, as well as from Western and Central Europe, the Near East, Asia and Africa. **We worked on the assumption, that there could be no peace among the nations, without peace among the world-religions, e.g. the Old Church Hellenistic Paradigm of Christianity as the Religion of Freedom, and the Islamic Religion of Law in the Slavic World, and the Medieval Roman Catholic Paradigm of Christianity and the Reformatory Protestant Paradigm in the American World; no peace among the religions without discourse among them; no discourse among the religions without foundation-research in the religions.**

We built our critical theory of religion, or dialectical religiology, derived from the critical theory of society, and our praxis, instead of on the *Lex*, or *Jus*, *Talionis*, on the *Golden Rule*.— “**So always treat others as you would like them to treat you; that is the meaning of the Law and the Prophets**” — which is present in all world-religions, and on its translation, sublation, rationalization, and secularization into the Kantian Categorical Imperative, and into the Apelian and Habermasian apriority of the Unlimited or Universal Communication Community: religious neighborly love into secular solidarity, religious community into the always more perfect union (Matthew 7: 12). **We hoped that the Slavic and the American World would treat each other as they wanted to be treated.** The Monroe Doctrine was to be valid not only for the American World, but also for the Slavic World. We found much solidarity in the Slavic World, and much personal autonomy in the American World. We promoted solidarity in the American World and personal autonomy in the Slavic World. **We aimed in theory and praxis at the reconciliation of the antagonism between the religious and the secular**, as well as of the discrepancy between personal autonomy and universal solidarity in the American and in the Slavic World, which had never been accomplished before in world-history, and was as such indeed u-topian, *ouk topos*, without place on any continent. **We stressed common interests and cooperation between the Slavic and the American World, e.g. the common defense against global terrorism, or the healing of dangerous diseases, like Ebola, or different forms of cancer, etc.** The American and the Slavic World can learn from the European World as well as from each other, how to defend the modern enlightenment, which they all share. Only very recently **Vladimir Putin stated before the Duma with great applause:**

“We will not tolerate disrespect of our Russian culture. We better learn from the suicides of America, England, Holland and France, if we are to survive as a nation.

The Muslims are taking those countries, but they will not take Russia. Russian traditions are not compatible with the culture or primitive ways of Sharia Law and Muslims.”

Since all world religions, cultures, traditions, and nations share the Golden Rule in common in one form or the other, they are indeed expected to recognize and respect each other, as they themselves want to be recognized and respected [Siebert, 89]. **We were fully aware, that conflict between the Slavic and the American World could mean the final catastrophe, Shoah, Holocaust, not only for both of them, but even for the human species as a whole, but that their creative, peaceful coexistence and cooperation could mean a great blessing not only for both of them, but also for all of humanity.**

Today we are continuing our peace work in Dubrovnik as well as in Yalta, despite of the present most regrettable tensions between the American and Slavic World, **because of the Referendum on**

the Crimea, and the civil war in the Ukraine, and the shooting down of the MH 17 on July 17, 2014. We consider to be ahistorical, and naïve, and even dangerous **the attempt of the European World, to integrate Russia, like the Baltic States, or Poland, or Bulgaria, or Rumania, or the Ukraine, be it like in the 1940s and 1950s through military action like Barbarossa, or peacefully through the Marshall Plan, or today through sanctions,** since the Slavic as well as the American World are themselves autonomous systems and centers of integration, moving historically beyond Europe already since the 19th century. The Slavic World can as little be integrated into Europe as the American World.

The Slavic World goes its own way and rightly so; and so does the American World. That was not foreseen sufficiently at the end of the Cold War, in the new paradigm of the Pan-European integration, as it was expressed in the Charta of Paris and in Gorbachev's concept of the *Common European House*. Already the free trade zone from Lisbon to Vladivostok, proposed by Vladimir Putin in November 2010, was not a step toward the integration of Russia into the European structure, but rather a roof organization, in order to embed what it had already started: the building of its own regional integration project of the Eurasian Customs Union, and a Slavic World with its own norm- and value- system, turned against a European World, which had become decadent, and was in the process of decline, while the Slavic World was on the rise as a guardian of traditional and conservative values: e.g. of heterosexual marriage and family against homosexual and lesbian *marriages*. **Europe must give up the illusion of a common value and interest basis:** the Slavic World is not a strategic partner, but an autonomous power-political actor. A selective, pragmatic cooperation is possible. Europe must accept, that the Slavic World is *other*, and that its *otherness* must no longer be criticized away.

At present, Russia's constructive partnership is needed by the world society not only in the Ukraine, but also in such politically explosive devices as the De Facto States Transnistrian, Nagorno-Karabach, South-Ossetian and Abchasian, the Republics of Lugansk and Donetsk in the Eastern Ukraine standing in foreground. The West has the suspicion, that it is the political goal of the separatist soldiers in the Eastern Ukraine, to establish and erect a *Nowaja Russija* in the area of Lughansk and Donetsk in the East, Odessa in the South, and Transnistrian, which belongs to Moldau, in the South-West. Russia's positive influence is likewise needed in international conflicts: in Syria, Iraq, Iran, the Near East. The Slavic and the American World, insofar as they see themselves as world powers, must also take responsibility in the case of global challenges: climate change, water distribution, the securing of the food- stuff and – industry, energy supply, as well as defense against epidemics. **Humanity cannot survive without the leadership of the Slavic and the American World.**

86% of the Russians support the policies of the Putin Government: indeed a high popularity rate, in comparison of what the Obama Administration can muster at this time – October 2014 (**only about 50%–L.S.**). Regime-critical opinion has a right to exist, and is practiced in Russia as well as in the USA. ... **Fascism is the wrong answer to the chronic crisis of capitalism, and therefore liberalism from the American World and socialism from the Slavic World fought against it rightly in the past, and must continue to do so in the future.**

Unfortunately, in the American World of the early 21st century a politics came about of myopic intellectual conformism and stagnation: **a politics of lazy indifference to, and incuriosity about other people and societies,** except as potential objects of exploitation, or manipulation, or control, or regime change; **a politics of massive governmental deceit;** a politics of policy making by knee-jerk reaction; and a politics of sound bite and television spots as the basic units of public discourse. Often in the past 100 years, since the beginning of World War I in August 1914, precisely those people, who had trumpeted out most loudly the goals of humanity, were the same, who took humanity under control, and drove out of people the spirit of critique and freedom, which alone would be able to achieve more humane economic and social conditions. There was not only the dialectic between the sacred and the profane, but also the dialectic in the enlightenment, and the dialectic in religion. There happened also dialectic in religion: the religion of love was used for new crusades; the religion of truth served as ideology for capitalistic oligarchs.

At this moment of a new crisis between the American and the Slavic World, the critical theorists of society and the peace- and conflict- resolution- researchers see themselves prompted to the expressive explanation and declaration, that **their work stands in sharpest contradiction to any aggressive political doctrine, which may come from the American, or the Slavic, or the European, or any other**

World... That, precisely, is the presupposition of the existence and the work of the critical theorists of society and religion, **and of the global peace scientists and researchers.**

We opted for responsibility – partnership – and cooperation – agreements between the Slavic and the American World. Mutual sanctions were no help. Natural gas treaties are more productive than sanctions for Russia, Ukraine, Germany, Europe and America. Incalculability and unpredictability were the greatest enemies of mutual trust, partnership, and cooperation. We worked for the de-escalation of aggressions, damage control and limitation, and the end to armed conflict, and most of all against any return of the tragic Cold War.

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The GPS Editor in Chief Note. Rudolf Siebert is the world-famous religious thinker and peacemaker. He presented in this profound article the great ideas of cooperation between the American and the Slavic worlds. But trying to put these worlds in equal position and the same aspiration to peace, it can hardly be productive ignoring the opposite historically established priorities of war and peace. Their cooperation, the perspectives of which are brilliantly presented in the article, of course, apply only to their nations but do not touch and can not relate to the American ruling militarist elite, which whole history dreamed about destruction of Russia and dominating it as the core of the Slavic world. The author makes the brackets of his critical analysis – as if it was not exists – this elite, and together with it and its empire with interests opposed and hostile to the interests of the American people and the world. Unfortunately, but it is natural for the American author; he cannot avoid a unilateral, American, slope, which reduces the objective value of its article and its scientific importance.

On the other hand, trying to deprive both the world of shared values and interests, without which it is impossible to build a global peace, it deprives them of the possibility of its joint achievement. Common values and interests exist across the spectrum of cultural diversity of the peoples. They are the values of peace, love, justice, freedom, harmony, and so on. The general objective foundation of these values is universal natural structure of a harmonious community of SPHERONS. Unfortunately, "the critical theorists of the Frankfurt School" do not know and do not take into account this deepest social structure. That leaves their at level of subjective epistemological constructions and do not allows them to rise to the level of objective on meaning scientific theory, such GPS. This science is not "duplicates reality in thought" and relies on it for the broad and free sociological imagination, theoretical design and construction of another reality of a new, harmonious and peaceful civilization growing out of it. Only on a common platform of objective social structure of SPHERONS single to all societies, it is possible to think about the full co-operation of these and other worlds and inter-religious harmony and the joint building global peace. But for us now is important, first of all, the author spirit of peaceful cooperation and his condemnation of the futility of mutual sanctions.

Equally important for the strengthening and development of cooperation between the two worlds is the Rudolf Siebert following statement: "**President Putin should be recognized as the World Harmony Creator in the GHA definition.**" This recognition was made by Siebert in the public discussion of this issue in the GHA on November 3, 2014 [90]. Indeed, Putin in all the speeches always emphasizes that **Russia does not want and will never attack any country** but will rebuff any aggression to Russia. This is the answer of the true peacemaker who contrast the US Congress official Resolution 758 (December 2014) about preparation of a war with Russia, which is militaristic and aggressive. Can there be cooperation with the hostility of one side?

**X. USA/NATO: “The Empire Fall” (Galtung);
“Ruin is our Future” (Roberts); “Washington is the Enemy of all Humanity” and “Putin
saves the world” (Roberts)**

63. Ruin is our Future. *Paul C. Roberts*

Neoconservatives arrayed in their Washington offices are congratulating themselves on their success in using the Charlie Hebdo affair to reunite Europe with Washington’s foreign policy. No more French votes with the Palestinians against the Washington-Israeli position. No more growing European sympathy with the Palestinians. No more growing European opposition to launching new wars in the Middle East. No more calls from the French president to end the sanctions against Russia. Do the neoconservatives also understand that they have united Europeans with the right-wing anti-immigration political parties? The wave of support for the Charlie Hebdo cartoonists is the wave of Marine Le Pen’s National Front, Nigel Farage’s UK Independence Party, and Germany’s PEGIDA sweeping over Europe. These parties are empowered by the anti-immigration fervor that was orchestrated in order to reunite Europeans with Washington and Israel.

Once again the arrogant and insolent neoconservatives have blundered. Charlie Hebdo’s empowerment of the anti-immigration parties has the potential to revolutionize European politics and destroy Washington’s empire. See my weekend interview with King World News for my thoughts on this potential game-changer. <http://kingworldnews.com/paul-craig-roberts-new-crisis-worse-russia-unleashing-black-swans-west/>

The reports from the UK Daily Mail and from Zero Hedge that Russia has cut off natural gas deliveries to six European countries must be incorrect. These sources are credible and well-informed, but such a cut-off would have instantly produced political and financial turmoil of which there is no sign. Therefore, unless there is a news blackout, Russia’s action has been misunderstood. We know something real has happened. Otherwise, EU energy official Maros Sefcovic would not be expressing such consternation. Although I am without any definite information, I believe I know what the real story is. **Russia, tired of Ukraine’s theft of the natural gas that passes through the country on its way to delivery to Europe, has made a decision to route the gas to Turkey**, thus bypassing Ukraine. The Russian energy minister has confirmed this decision and added that if European countries wish to avail themselves of this gas supply, they must put in place the infrastructure or pipeline to bring the gas into their countries. In other words, there is a potential for a cutoff in the future, but no cutoff at the present.

These two events—Charlie Hebdo and the Russian decision to cease delivering gas to Europe via Ukraine—should remind us **that the potential for black swans**, and unintended consequences of official decisions that can produce black swans, **always exist**. Not even the American “superpower” is immune from black swans. There is as much circumstantial evidence that the CIA and French Intelligence are responsible for the Charlie Hebdo shootings as there is that the shootings were carried out by the two brothers whose ID was conveniently found in the alleged get-away car. As the French made certain that the brothers were killed before they could talk, we will never know what they had to say about the plot. The only evidence we have that the brothers are guilty is the claim by the security forces. **Every time I hear government claims without real evidence, I remember Saddam Hussein’s “weapons of mass destruction,” Assad’s “use of chemical weapons,” and Iran’s “nuclear weapons program.”** If a US National Security Advisor can conjure up out of thin air “mushroom clouds over an American city,” Cherif and Said Kouachi can be turned into killers. After all, they are dead and cannot protest...

The consternation caused by Russia’s decision to relocate its gas delivery to Europe is proof that Russia holds many cards that Russia could play that would bring down the political and financial structures of the Western World. China holds similar cards. The two countries are not playing their cards, because they do not think that they need them. **Instead, the two powers are**

withdrawing from the Western financial system that serves Western hegemony over the world. They are creating all of the economic institutions that they need in order to be completely independent of the West. Therefore, the Russian and Chinese governments reason, *“Why be provocative and slap down the Western fools. They might resort to their nuclear weapons, and the entire world would be lost. Let’s just walk away while they encourage us to depart with their provocations.”* **We can be thankful that Vladimir Putin and the leaders of the Chinese government are both intelligent and humane, unlike Western leaders.**

Imagine, for example, the dire consequences for the West if Putin were to become personally involved as a result of the numerous affronts to both Russia and Putin himself. **Putin can destroy NATO and the entire Western financial system whenever he wants. All he has to do is to announce that as NATO has declared economic war against Russia, Russia no longer sells energy to NATO members.** The NATO alliance would dissolve as Europe cannot survive without Russian energy supplies. **Washington’s empire would end.** Putin realizes that the insolent neoconservatives would **have to push the nuclear button in order to save face.** Unlike Putin, their egos are on the line. **Thus, Putin saves the world from nuclear war by not being provocative.**

Now, imagine if the Chinese government were to lose its patience with Washington. To confront the “exceptional, indispensable, unipower” with the reality of its impotence, all China needs to do is to dump its massive dollar-denominated financial assets on the market, all at once, just as the Federal Reserve’s bullion bank agents dump massive uncovered gold contracts on the future’s market. In order to avoid US financial collapse, the Federal Reserve would have to print massive amounts of new dollars with which to purchase the dumped Chinese holdings. As the Federal Reserve would protect US financial markets by purchasing the dumped Chinese holdings, the Chinese would lose nothing from the sale. It is the next step that is decisive. The Chinese government then dumps the massive holdings of dollars it has received from its selloff of dollar-dominated financial instruments.

Now what happens? The Fed can print dollars with which to purchase the dumped Chinese holdings, but the Fed cannot print foreign currencies with which to buy up the dumped dollars. The massive supply of dollars dumped in the exchange market by China would have no takers. The dollar’s value would collapse. Washington could no longer pay its bills by printing money. Americans living in an import-dependent country, thanks to jobs offshoring, would be faced with high prices that would seriously erode their living standard. The United States would experience economic, social, and political instability.

Putting aside their brainwashing, their defensiveness and patriotic support of the regime in Washington, Americans need to ask themselves: How is it possible that the government of the United States, an alleged Superpower, is so unaware of its true vulnerabilities that Washington is capable of pushing two real powers until they have had enough and play the cards that they hold? **Americans need to understand that the only thing exceptional about the US is the ignorance of the population and the stupidity of the government.** What other country would let a handful of Wall Street crooks control its economic and foreign policy, run its central bank and Treasury, and **subordinate citizens’ interests to the interests of the one percent’s pocketbook?**

A population this insouciant is at the total mercy of Russia and China. Yesterday there was a black swan event, an event that could yet unleash other black swan events: <http://www.zerohedge.com/news/2015-01-16/largest-retail-fx-broker-stock-crashes-90-swiss-contagion-spreads> The Swiss central bank announced an end to its pegging of the Swiss franc to the euro and US dollar. <http://www.zerohedge.com/news/2015-01-15/its-tsunami-swiss-franc-soars-most-ever-after-snb-abandons-eurchf-floor-macro-hedge-> Three years ago flight from euros and dollars into Swiss francs pushed the exchange value of the franc so high that it threatened the existence of the Swiss export industries. Switzerland announced that any further inflows of foreign currencies into francs would be met by creating new francs to absorb the inflows so as not to drive

up the exchange rate further. In other words, the Swiss pegged the franc. Yesterday the Swiss central bank announced that the peg was off. The franc instantly rose in value. Stocks of Swiss export companies fell, and hedge funds wrongly positioned incurred major hits to their solvency. Why did the Swiss remove the peg? It was not a costless action. It cost the central bank and Swiss export industries substantially...

The money printing policy of the US, Japan, and apparently now the EU has forced other countries to inflate their own currencies in order to prevent the rise in the exchange value of their currencies that would curtail their ability to export and earn foreign currencies with which to pay for their imports. **Thus Washington has forced the world into printing money.** The Swiss have backed out of this system. Will others follow, or will the rest of the world follow the Russians and Chinese governments into new monetary arrangements and **simply turn their backs on the corrupt and irredeemable West?** The level of corruption and manipulation that characterizes US economic and foreign policy today was impossible in earlier times when Washington's ambition was constrained by the Soviet Union. **The greed for hegemonic power has made Washington the most corrupt government on earth.** The consequence of this corruption is ruin. "*Leadership passes into empire. Empire begets insolence. Insolence brings ruin.*" Ruin is America's future [91].

Dr. Paul Craig Roberts was Assistant Secretary of the US Treasury, member of the US Congressional staff and associate editor of the Wall Street Journal. His latest book is: *How America Was Lost: From 9/11 to the Police/Warfare State* [92].

64. The Fall of the US Empire: With a Bang or a Whimper? *Johan Galtung*

The GPS Editor in Chief note. The published text below is a fragment from the eponymous paragraph of the author's book: *The Fall of the US Empire* [93, p.59–68]. The essence of this profound research is 15 sharpening contradictions of the US Empire, which will lead it to fall approximately to 2020. The author gave us permission to publish any fragments of his book, an e-copy of which he kindly sent us. The published excerpt below is a small illustration of the great ideas in this book and continuation of our article about it (see 4.2.)

Three US administrations short of the predicted end of empire the Year 2000 list contradictions that have matured most are:

Economic:

- [1] between growth and distribution
- [2] between real economy and finance economy

The finance crisis

- [3] between production-distribution-consumption and nature

Military:

- [4] **between US state terrorism and terrorism**
 - The War in and on Iraq
 - The War in and on Afghanistan
 - The War on Terror
- [6] between US Eurasia hegemony and Russia-India-China
 - Threat of war NATO-AMPO/SCO

Political:

- Latin America-Caribbean unifying
- Africa resisting US military

Cultural:

- [10] between US Judeo-Christianity and Islam
 - Fault-line to Islam
 - US exceptionalism rejected**

Social:

- [14] between older generation and youth
- [15] between myth and reality

The cracks are in all three aspects of the economy, in the three ongoing unwinnable wars, in the threat of a major war between NATO-AMPO and the SCO, in the judeo-christian front against Islam, in US exceptionalism, in the challenge from youth all over, and in the disconnect between reality and deeply held beliefs.

But the shock waves have not seriously weakened US power in NATO, EU and the UN, but it has touched Latin America-Caribbean, and African, politics even if not in the solid form of a de facto alliance like the SCO in Asia. Nor are class and gender mobilized.

Conclusion nine years after the prediction: maturation and synchronization of the contradictions have proceeded more quickly than expected. And there is more to come: they will sharpen further, and the dormant contradictions will mature.

That the US Empire is in crisis is beyond any reasonable doubt. So is the US Republic, as evidenced by the economic and social contradictions that also unfold inside the country. The USA may seek solutions to domestic problems with a bang, exacerbating global problems, squeezing the external proletariat even more, by threatening, even attacking militarily if holders of the colossal US debt claim it, continuing privileging US economic growth over distribution and over the sustainability of our global nature.

But the economic, military and social global contradictions, and the basic cultural contradiction between Judeo-Christianity and Islam, will continue maturing and sharpening. Synergies will emerge, like the other world civilizations and the European and other elite cultures siding with Islam.

Major synergies derive from an increasing tendency to see **all these problems as related to and rooted in US policy**, bypassing the E-word (empire) or I-word (imperialism). Those connections are real and can be traced to the tendency **to use killing for economic and cultural purposes**, US policy being the great synergizer. But when will these increasingly synchronizing and synergizing contradictions reach the political sphere in NATO, EU, UN? NATO was an alliance to defend human rights, mainly threatened by its own leader, the USA. When will one of them break? EU has problems, but great potential, independent of the USA. **The UNSC has been reduced to a US-UK legitimation agency.** An explosive rupture is likely, probably sooner rather than later.

But underlying all of this is real politics, People's politics like the World Social Forum. If WSF really focuses on constructive alternatives the world will learn sooner how to do without the US Empire. Hence, let 100 WSF grow.

But regardless of how social contradictions spill over into political contradictions to extricate the world from the economic, military and cultural grip of the US Empire, basic change also has to happen inside the USA. As mentioned, not that much is required, only the change of four trans-border relations that some other parts of the world have managed. How can it happen?

The basic formula is probably something like this: **when a critical mass of US citizens, and/or US leaders, are convinced that the USA can do better without than with exploiting, killing, controlling and programming others.** "Bad foreign relations" have to be changed to "good foreign relations". Meaningful in a country trained in seeing evil all over, with more than half unable to locate the Pacific Ocean on the map? With guns against domestic evils, and colossal Armed Forces for all possible global evils? Used to locating problems in Other, not in Self, and not even in the relation between the two? Mobilization for major wars has been no problem, **but can they mobilize for more peaceful relations?**

Well, this is where leadership is needed, maybe as exercised in action more than in speech and for sure backed by solid thought. Gorbachev came to the conclusion that the Soviet Union, at his time bordering on more than a dozen countries, could not have bad relations to all except Finland that was playing on exactly that. The USA for sure can produce a leadership capable of thinking that thought and of translating it into action. Americans would love being able to travel safely all over, only that the dollar may have depreciated (inflated) substantially in order

to service the debt contracted to keep the Empire. All that leadership has to keep in mind is this: problems come and go, **contradictions are deeper, they only go away if there is a basic system change. But how?**

Says T.S. Eliot: This is the way the world ends.
This is the way the world ends.
This is the way the world ends.
Not with a bang but a whimper.

But he may be wrong; besides, the world is more than the US Empire.

Have a look again at the 15 contradictions and the definition of an empire. The way of solving these contradictions eating at the heart of the world system is, as mentioned, very simple:

for the 3 economic contradictions: reduce, even stop exploiting

for the 4 military contradictions: reduce, even stop killing

for the 2 political contradictions: reduce, even stop repressing

for the 3 cultural contradictions: reduce, even stop alienating

for the 3 social contradictions: reduce, even stop all the above!

For each reduction the US Empire is declining. For each stop the US Empire is falling. Stop all four and the US Empire is gone, with a whimper, even if some survives residually like the Russian Empire in Chechnya and the British Empire in Iraq-Afghanistan.

The most dramatic recent example is possibly the dissolution of the French Empire: de Gaulle had the incredible personal grandeur to terminate the whole empire (except for the Pacific and some other islands), and like from the Soviet and British Empires a number of independent countries were born. Global capitalism, however, has a tendency to recreate trans-border exploitation, so there are residuals. But a new world was born in the 1960s from the Western empires, and in the 1990s from the Soviet Empire.

Only the naive will assume any new world to be paradise on earth. New systems emerge with their contradictions. The rulers of the British, French and Soviet empires had concluded that the costs by far outran the gains. US rulers may come to the same conclusion that the gains of the fall, including for the Periphery, by far outrun the costs; depending, of course, on the successor system. This author favors United Nations global governance, and regionalization, and not an EU Empire...

To repeat: that unequal (disharmonious – L.S.) exchange divided into four components is the root contradiction of the empire as a system. From those four deep contradictions flow 15 surface contradictions, visible to everybody, sometimes reported as journalism, but rarely the deep contradictions as such. So the basic model explored so far is:

4 deep contradictions imply 15 surface contradictions. As the 15 mature, synchronize and synergize the Center may loosen its grip on the Periphery in conscious, enlightened acts (de Gaulle), see the Empire dissolve irreversibly, slowly (UK) or quickly (the Soviet Union), or fight to keep it (all three in earlier phases). Whimper of bang? **USA: the choice is yours.**

Today the USA behaves like a wounded elephant in Israel-Palestine, Iraq and Afghanistan. This is the boiling stage of demoralization, with emotions impeding rational thinking, to be followed by a frozen stage, a "let go". Demoralization is bipolar, oscillating between the manic and the depressive. **To heal USA has to come on top of the pathology of seeking solutions in winning the unwinnable War on Terrorism, and the (de facto) War on Islam.**

The model can be expressed clearly, and critiqued: The [4] imply the [15] imply demoralization implies that negating the [4] implies negating the [15]. The 4 deep contradictions lead to 15 surface contradictions and demoralization leading to a let go of the Empire and dissolution of the 15. That is the idea. But the 4 may have deeper roots. Thus, where does inequity come from? **From an unfettered capitalism so inequitable that it needs military protection?** But where does capitalism come from? And all that violence? From a

cultural superiority complex with missionary rights and duties, but not to understand other cultures, related to exceptionalism as God's Chosen People and Country? But where does that idea come from? **The 4 deep contradictions defining the US Empire are not unconditioned, but the focus is on removal of the 4, not on deeper causes.** They also open for redefinition, like the USA and Israel choosing to live in peace with others, not to be on top of steep exploitation pyramids, killing, "leading".

And the 15 may have other roots. The economic contradictions come from capitalism; the USA was violent before the US Empire; some EU members may hate a US Empire impeding their own ambitions; the same applies to such competitive cultures as an Islam expanding its dar-al-Islam – the abode of Islam – to a khalifat; and a China-India, Chindia, penetrating economically all over. The world is better off under USA than under EU, Islam, and China, some say. There is some truth to all of that. But the problem is not only the US share of the world economic pie but **that empire implies killing,** controlling and programming that has to decline, fall, go. While all the time paying attention to the other contradictions...

One contradiction may conceal another, the latter blossoming when the former is wilting. Losing militarily and politically the USA may turn the economic and cultural thumb-screws more tightly; "soft power". But that will not stop contradictions from maturing. **For the US Empire there is now light at the end of a long and dark tunnel.** But after that tunnel there may be new tunnels...

So, the key question remains, **does the fall of the US empire come with a bang or a whimper? With both, of course.** If Peak Empire was the Korean war and the eluding victory, then there have been very many bangs since that time, the major ones being not in Viêt Nam but what was referred to above as the War on Islam and the War on Terror. They can be seen as wars to preserve the empire if the operational US definition of terrorist, "anti-American", is accepted, even if only with words, not necessarily with bombs. **To some this book about the fall of the Empire would not only encourage terrorism, but in and by itself be an act of terrorism.**

The prediction is that from many bangs we will get smaller bangs and a gradual transition into the whimper phase with the Empire actually gone, only with some residual deployment, controlling and programming left. On what does this depend? That also depends, the saying goes. Many will see it in terms of the change of administration in the USA, from hard to soft power, forgetting that economic and cultural power can be very hard and forgetting the softer ways of exercising military and political power, like peace-keeping and negotiation as equals. Of course the US administration is important, but it is typically imperial to attribute even the end of Empire to the will of the Center. Watch the US "backyard", Latin America-Caribbean, LAC, 32 countries. Watch how the transition from guerrilla fighting to medical teams with backpacks has transformed not only Cuban, but also inevitably US behavior, **from bang to whimper.** Watch the work by President Lula and so many others to strengthen LAC rather than weaken USA.

In other words, the task of making the transition less violent, even nonviolent, must be shared, the danger being that the **USA interprets nonviolence as weakness.** In the opening of this chapter we identified 9 contradictions and 9 articulations of those contradictions as 18 pieces of raw material for the fall of an empire, right now, early 2009. Some may be blunted, some may sharpen further; there may be new arrivals. But it is tempting to ask a question: **is there some common factor in all of this?** The question should be resisted because it may lead to a dangerous reductionism in a complex situation. However, there is an answer, opening for much healing.

We sense underlying the list an almost incredible US inability to handle conflict. And underlying that again is the very unfortunate tendency to see some evil-minded actor anywhere, out to do evil, the only remedy being strength sufficient to guarantee security. And underlying that again is Lucifer the Satan, dethroned by God for insubordination, made ugly but keeping angelic super-intelligence, appearing as dissenter, dissident, communist, terrorist, Muslim, what not. For the economic contradictions evil reads crook, breaking the law; strength reads punishment.

The very dim view of Other, the very steep gradient from the Chosen to the evil and the crooks block for the alternative view. The problem may be not so much Other, Self and their attributes as the relation between them. A little social democracy and welfare state would turn growth into distribution into growth. Balancing real and finance economy would do miracles. So would partnership with Nature. **So would understanding what terrorists want and how state terrorism have contributed to that.** So would changing relations to Russia-India-China, Latin America, Africa, Islam, the young, the peace-green-alternative movements from looking down to looking at for dialogue and mutual learning. And, in doing so, **the Empire will end. With a whimper.**

“Hand on heart: I love the US Republic where I have lived much of my life, as much as I hate the US Empire for its violence of all kinds in so many places around the world. The book is as pro-American as it is anti-US Empire” [93, 3]. A ruined American Dream also ruins the Dream of America. But the faith in the US Republic is robust. Public opinion studies show consistently that people all over the world, including the Muslims, **distinguish between the US Republic and the US Empire**, believing in the former, rejecting the latter [93, 59]. (We also strictly differentiate between them, that were stressed not once – L.S.)

The US Empire says a Pentagon planner: *“The de facto role of the US Armed Forces will be to keep the world safe for our economy and open to our cultural assault. To those ends, we will do a fair amount of killing”*. In other words: Direct violence to protect economic and political structural violence, legitimized by cultural violence... The Center is continental USA, and the Periphery much of the world... **The question is not whether the empire will fall**, but the what-why-how-when-where-by whom-against whom of that process [93, 18].

Dr. Johan Galtung (b. 1930) professor of peace studies is a Norwegian sociologist, mathematician and the principal founder of the discipline of peace and conflict studies. He co-founded the Peace Research Institute Oslo in 1959, serving as its director until 1970, and established the Journal of Peace Research in 1964. He has developed several influential theories, such as the distinction between positive and negative peace, structural violence, theories on conflict and conflict resolution, the concept of peacebuilding, the structural theory of imperialism, and the theory of the United States as simultaneously a republic and an empire. He has mediated in over 100 conflicts between states, nations, religions, civilizations, communities, and persons since 1957. He is author or co-author of more than 1600 articles and over 160 books on peace and related issues. He is founder (in 2000) and rector of the TRANSCEND Peace University, the world's first online Peace Studies University. He is also the founder and director of TRANSCEND International, a global nonprofit network for Peace, he has Right Livelihood Award (also known as Alternative Nobel Peace Prize) and many others awards.

65. American Empire to fall by 2020: Revolutionary Cliodynamic Theory

Peter Turchin

History is cyclical and therefore predictable; so believes Professor Peter Turchin, a Russian-American scientist from the University of Connecticut and a pioneer of revolutionary cliodynamic theory. According to the expert, by studying demographic, economic, and violence cycles it is possible to foresee various forms of political instabilities including revolutions, crises, and wars. **Applying his cliodynamic theory, Turchin predicts that in the early 2020s the United States will hit a peak in political instability which will ultimately lead to the disintegration of the American social and political system, bringing the almighty ‘American Empire’ to an end.**

Peter Turchin, a Russian immigrant who is currently teaching at the University of Connecticut, has always been profoundly dissatisfied with the way historians treated ‘history’. Back in the 1990s Turchin contended that every-so-often the servants of Clío, the muse of history, were pathologically unwilling to do anything other than merely to theorise about the causes of historical events; they showed absolutely no desire to test their hypotheses rigorously. Frustrated by this state of affairs, Turchin invented cliodynamics, a revolutionary trans-disciplinary field of research that lay at the intersection of historical macrosociology, economic history, the mathematical modeling of long-term social processes and the construction and analysis of historical databases. The new approach allowed Turchin not only to make

history an analytical and predictive science but also to discover general principles that govern the stability of human societies over time.

After studying various agrarian and pre-industrial societies throughout history, Turchin discovered two interacting trends that dominated the data on political instability. The first, which he called the secular cycle, usually extends over two to three centuries. The cycle starts with an egalitarian society, in which demand and supply for labour was relatively balanced. In time, the population grows, labour supply exceeds demand, living standards fall and people start competing for more power. At some point, the number of political entrepreneurs who are all trying to gain power becomes so great that the competition for power becomes violent. The elite becomes frustrated and seeks to overturn the political order to better suit themselves. As a result, political instability ensues, leading to collapse and, the cycle begins again.

The second cycle that Turchin discovered spanned over 50 years – approximately two generations – and was called “the fathers-and-sons cycle”. This shorter trend begins with the first generation in a family responding violently to a perceived social injustice. Subsequently, the second generation (the son) lives with the miserable legacy of the resulting conflict, however he abstains from the same violent route that the first generation took to fight the injustice. The third generation, however, does not abstain and the cycle recommences. Turchin compares this cycle to a forest fire that flares up and seems to burn out but only until sufficient underbrush embers accumulate to set off the fire again.

Turchin argues that these interacting cycles for patterns of instability exist not only across Europe and Asia but also in the US. Having studied American demographic, economic, and socio-political records over the past 230 years Turchin is certain that **political instability and violence in the US peaks roughly every 50 years: in 1870 (during and after the Civil War when the wave of urban violence fuelled by ethnic and class resentment swept across the country); in 1920 (just after World War I when race riots, workers' strikes and a surge of anti-Communist feeling led many people to think that revolution was imminent); and in 1970 (during the Vietnam War and after a tumultuous decade of civil rights activism when violent student demonstrations, political assassinations, riots and terrorism became the new reality of American life).** Following the trend, political instability would presumably peak again in 2020. Indeed, Turchin already sees various manifestations of violence that could potentially reset the cycle in seven-years time [94].

66. Conclusion. Chapter Finding: "The Worse for Peace, the Better for US/NATO Wars." Model of the US Empire Fall and Country Peace Regeneration. *Leo Semashko*

In the ninth chapter are published 62 articles about 60 foreign writers, mostly American, on various facts of US/NATO militaristic block: about history of its wars, war crimes, the US terrorism, the US broken democracy, US human rights violations, US tortures, and so on. This is a very little bit of the real facts, recorded only a tiny fraction of the authors, who publish thousands of similar facts that cannot be found in the official Western media has long destroyed "the myth of the free press" of the West [67]. But these facts are enough to create a wide mosaic of evidences in panoramic picture of the US/NATO global military axis as the main obstacle, threat and enemy for global peace. All conclusions about this axis in this chapter are made not by me but they are drawn from published articles, structured in ten sections. They are made by the Americans themselves. On this basis, we are doing some generalized findings, the most common of which is: **"the worse for peace, the better for the US/NATO wars and their militarism,"** which is proved a mosaic of all the facts in this chapter. **It expresses the incompatibility of global peace and global militarism axis.** More particular findings are below.

1. **The United States history** by 90% (217 out of 238 years) is occupied by wars and various military actions that are practically continuous, that characterize the US history as a **permanent militarism, flouting international law, human rights and the rejection from peacefulness.** They were aimed at achieving and ensuring world domination, as well as against

dozens of countries, resulting in the deaths of tens of millions of people, make a lot of acts of genocide and crimes against humanity, requiring conviction of the International Tribunal (Roberts, Stahel, Hagopian, McMurtry, Corrigan, Dorrel and many others).

2. **The US democracy** under pressure of constant militarism, excessively overgrown military-industrial complex, continuous aggressive policy of world domination is deformed and degenerated **into a militaristic oligarchy, plutocracy and corporate fascism, which means that American democracy is broken and lost, remains in the past, it survived only by some its formal characteristics** (Blum, Paupp, Chomsky, Mercieca and many others).

3. **The US freedom.** As a result of the same reasons listed above, the US freedom has **degenerated into a full and unrestricted arbitrariness of state militarism and terrorism**, which means complete freedom of self-destruction of mankind at the whim of one state, for which, for the sake of "national interests" of world dictate, **there are no barriers of international law** and, especially, social harmony and peace (the same and other authors).

4. **The overall quality of the US empire.** Militarism, world domination and the degenerated democracy has made the American empire **the greatest source of violence in the world, the biggest terrorist in the world, into a police/warfare state, the main threat, enemy and obstacle to global peace, in the pathologically dangerous for mankind military addict, which has been held humanity by its hostage** (King, Galtung, Roberts, Goodman, Dorrel, Lazar, Swanson, Engelhardt, Chomsky and many others).

The US/NATO world militarism through created a global terror of ISIL, Boko Haram, Al-Qaeda and Taliban worldwide plunged humanity into a **new era of barbarism, amputated democracy, freedom and human rights, initiated the great resettlement of refugees in Europe and established "new world disorder"** as Noam Chomsky defined it.

The US/NATO block is guilty in many crimes against humanity, and does everything for the war **but does almost nothing for peace**: we do not know about its peace achievements so it acts as an **antagonist of global peace**. This is a major assessment of modernity in GPS. History teaches us that all military empires were ruined. The US/NATO empire also inevitably will collapse – it is the GPS law. From this law is inevitably followed other conclusions: the need to condemn the US/NATO war crimes, disarmament, demilitarization, abolition of the military machine, of course, along with the rest world, collapse of militaristic democracy under the pressure of the defense industry, about that wrote even President Eisenhower, global peace movement and non-violent resistance of the world civil society as a global community of SPHERONS and regeneration of military civilization on their basis. Nonviolent resistance to overcome this block and its regeneration are unfolded in the GPS next chapter.

Global Harmony Association (GHA) states: **a contradictory historical process made 2015 year for humanity as never close simultaneously to two extremes: life and death**:

The US/NATO open preparing militarist aggression against Russia, including preparation of nuclear war, put humanity to the brink of military self-destruction. This is the most dangerous threat to global harmony as source of life for nature and humanity on Earth.

On the other hand, the GHA in January 2015 for the first time in history published in Russia "**Global Peace Science**" by 89 co-authors from 30 countries [95]. This only emerging science as science of peaceful life in harmony is the antipode to military science as the science of killing that arose more than 200 years ago. Peace science opens in the 21st century the prospect before humanity for complete disarmament and non-violent victory of peace over war on the basis of scientific building global peace by conscious SPHERONS – harmonious classes of the population, for the first time discovered in the GHA. This science reveals the laws, values, ways and institutions of conscious building global peace in this century, uniting them in the Peace Road Map (Chapter 8.24).

The first task of peacemaking forces of global harmony is neutralizing and nonviolent overcoming by peace-building technologies the most dangerous threat to harmony, life and peace of humanity – an aggressive bloc of the USA/NATO. This will be done only if the peace-loving nations and people together with peace-loving governments and leaders **will support Global Peace Science and its Road Map of peace-building**. Our "Global Peace Science" from harmony gives hope to all peaceful people and states that humanity has the indestructible peace potential of the eternal harmonious classes of the population – SPHERONS. This potential is unavailable to the most powerful in the history destructive block of the US/NATO militarist imperial force.

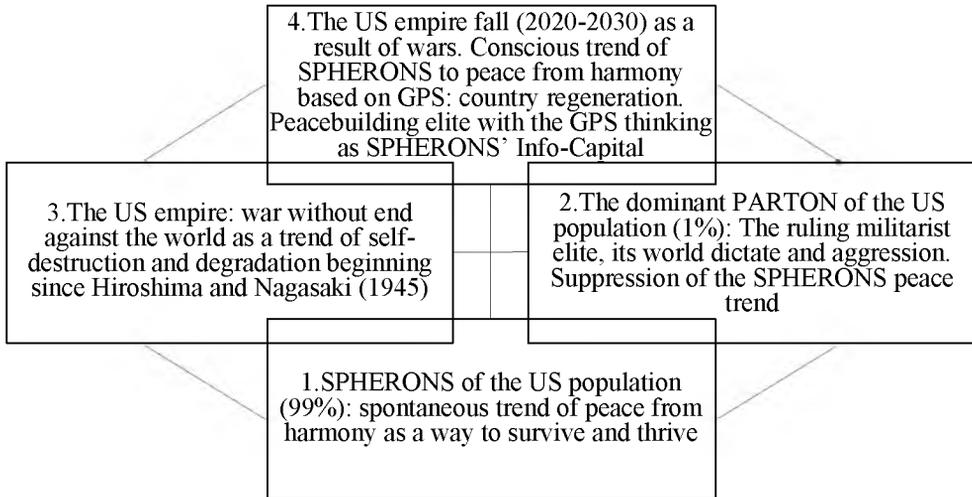
The traditional Western thinking, dominating in our time and in contrast to the thinking of other civilizations – Indian, Chinese, Russian, African, etc., in its mainstream showed in history ineradicable militarism in numerous wars, in the creation of military science more than two centuries ago, in a continuous arms race, and now, within the framework of the US/NATO, **came to recognition of suicidal nuclear war, which excludes the survival of humanity**. The Western thinking has become militaristic contagious "infection" for other nations, states and cultures. **The West does everything for the war: military science, military-industrial complex, priority of military budgets, the arms race, and etc. But for peace it does almost nothing: peace infrastructure and its financing are virtually zero**. The West nurtured a major threat to global peace – military empire of the US/NATO, which threatens all other civilizations: only it waged the wars in almost all parts of the world for the past 70 years after World War II; only it has military bases on all continents, etc. (see chap. 9). Only the US/NATO Western militaristic empire provides permanent victory of war over peace since 1945 and makes the victory of peace over war by fiction and utopia. Any other civilization is not seen in the global militarism and imposing war/killing as a way of life for humanity.

Humanity requires and waiting for regeneration of Western civilization from the militaristic in peaceful to overcome its main threat. This regeneration is able make the conscious SPHERONS of West on the foundation of new thinking GPS. Peacebuilding regeneration of Western civilization and the other is the main positive task and main positive conclusion of this chapter. This regeneration will ensure building global peace in the 21st century and "*shift the arms race into a peace race*" as brilliantly foresaw Martin Luther King Jr. Its final outcome is a general and complete disarmament and the historic victory of peace over war. As Albert Einstein wrote, "*we shall require a substantially new manner of thinking if mankind is to survive.*" **It is the GPS thinking as the SPHERONS informational capital**.

The chapter result is expressed by the chain of concepts and definitions of the US militaristic empire fall and peaceful regeneration of the country. We are talking here only about the United States as NATO is just its military appendage. The chain of concepts is the basis for building an appropriate tetrasociological model, technology and the meaning of which is disclosed in detail in *the ABC of Harmony* [96]. **These chain and model of the network harmonious thinking constitute the core of the GPS revolutionary peacebuilding consciousness as consciousness of SPHERONS**. The chain of concepts is as the follow:

- 1.SPHERONS of the US population (99%): spontaneous trend of peace from harmony as a way to survive and thrive-
- 2.The dominant PARTON of the US population (1%): The ruling militarist elite, its world dictate and aggression. Suppression of the SPHERONS peace trend-
- 3.The US empire: war without end against the world as a trend of self-destruction and degradation beginning since Hiroshima and Nagasaki (1945)-
- 4.The US empire fall (2020–2030) as a result of wars. Conscious trend of SPHERONS to peace from harmony based on GPS: country regeneration. Peacebuilding elite with the GPS thinking as SPHERONS' Info-Capital.

Tetramodel-21a. The US Empire Fall and the Country Peace Regeneration



Together with the US fall and regeneration the Western militaristic civilization fall and regeneration will occur throughout new scientific consciousness of GPS and its SPHERONS. The path for its regeneration will open and show the peace union of non-Western civilizations – Chinese, Indian, Brazilian, African and Russian (BRICS), which are the birthplace of GPS and where it is embodied in the global non-violent peacebuilding front overcoming militarist block of US/NATO to than the next chapter is dedicated.

67. Additional Conclusion. Militarism and Terrorism: Brothers of One Parent - Social Disharmony, Hostile to Peace. *Leo Semashko*

The Chapter 9 numerous facts allow us to make another important conclusion: militarism and terrorism of the 21st century are the two brothers of one parent - social disharmony, hostile to peace with their violence and war. Militarism is the elder brother of violence and wars. It has a long history, which is embodied in the 21st century by global aggressor US/NATO. As stated in Chapter 9, the US/NATO militarism is an obstacle, enemy and threat of global peace in our time. Obviously, terrorism also is an obstacle, threat and enemy of global peace. What one from them is more dangerous for peace is hard to say but doubtless that big brother, in terms of opportunities, is more dangerous because it possesses virtually unlimited resources of war and violence, leaving to its younger brother, terrorism, only crumbs from them. **But terrorism horrifies peoples with barbaric forms and extreme savagery in using resources of war and violence, killing any hope for global peace and embodying absolute evil of war of all against all destructive to humanity no less than a nuclear war of the US/NATO militarism.** Terrorism is a savage militarism in sense of using weapon with no rules. Militarism, in turn, has the qualities of terrorism, so experts define, for example, US militarism as a "rogue state", or "state terrorism" and the "biggest terrorist" [11b; 39; 60; etc.]. Therefore, militarism and terrorism are the brothers from one parent, birds of a feather, one kind and origin. The renowned intellectual Noam Chomsky debunked the US imperial right to invade, bomb and kill in other countries, like the terrorists, in his interview: "*US Targeted Killings: What Right Do We Have?*" [99]. This confirms and the fresh fact of the US bombing hospital in Afghanistan as "*Horrific Carnage*" of the Pentagon [100].

Not to be left without a military enemy, not to lose the moral and social justification for its existence, militarism made every effort, particularly its "war on terror", for the birth of global

terrorism as the younger brother of violence and wars. As shown by the facts of Chapter 9 and the like, the military invasion the US/NATO in Iraq, Libya, Afghanistan and Syria have exacerbated social, religious and political conflicts in these countries led to the birth of global terrorism in the name of so-called "Islamic State" (ISIS).

Without military help and support of terrorists by the US/NATO, which are trying to use them to overthrow the unwanted governmental regimes, the ISIS birth as a global terrorist would have been impossible. Militarism and terrorism feed and stimulate each other; they motivate and justify each other, always fighting with each other. The emergence of ISIS as a direct consequence of militarism US/NATO is proved many articles of Chapter 9, the President Vladimir Putin speeches (see their analysis in Chapter 10) and recognition of former political leaders of NATO, for example, Tony Blair, charged with the responsibility for the ISIS appearance on the US and NATO coalition [97; 98].

Therefore, the main task of peacebuilding front (see para 8.25 and 10.22), to substantiation and creation of which is dedicated GPS, is a nonviolent counteraction to militarism and terrorism as the equally hostile to global peace modern vices of social disharmony. Their nonviolent overcoming is on forces to only global peacebuilding front led by BRICS: see chap. 10. If the US/NATO would want global peace using their economic and political power, they have long could provide it and a long time could prevent terrorism. Why do not they want peace, when they will strive for it and with help of what countries - the answer to this question gives a new fundamental science - Global Peace Science (GPS).

Dr. Leo Semashko, GHA President, Editor in Chief of "*Global Peace Science*" (GPS)

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Chapter 10

Peace Axis: Russia-BRICS-Global Community of SPHERONS. World Peace Planetary Leader in the XXI century

Russia has "a desire to bring reconciliation in the European
[and world – L.S.] contradictions ... general harmony [and] ... consent "
Fyodor Dostoevsky [1]

*Putin saves the world from nuclear war by
not being provocative*
Paul C. Roberts [2]

*BRICS' Priority:
To Strengthen International Peace and Security [3]*

1. Opposition of War Geopolitics (US/NATO) and Peace Geopolitics (Russia/BRICS). Geopolitics of XXI Century Beginning. *Leo Semashko*

The global aggressive policy of war by the militaristic PARTON – US/NATO block – is disclosed in Chapter 9 and proved by numerous facts in it. To this policy is opposed the BRICS countries traditional policy of peace, which is expressed by the BRICS' priority "*To Strengthen International Peace and Security*"[3]. We recall that peace of global community of SPHERONS is described in Chapter 1. Chapter 10 is limited with consideration only the most common characteristics of a peaceful leader – BRICS. Thus, GPS defines a global policy of the early 21st century as opposition between two private groups (PARTONS) of countries: the war leaders – US/NATO and peace leaders – Russia/BRICS. Both PARTONS make different parts of SPHERONS and contrary tendencies war and peace because of the lack of scientific understanding of the SPHERONS overall harmonious nature, which is not yet available to the human consciousness and using. GPS is intended to fill this significant flaw of consciousness and show the way to overcome opposition of the two key PARTONS of modernity nonviolently. To start requires determining the level of development, resources, end goals and the strategy of each of them in our time.

American Empire (including NATO as its military appendage in Europe), as the facts of the previous chapter showed, has consistently demonstrated that its "national interests" and the corresponding policy are relating to each country of the world where they are free to invade, bomb or occupy it, trampling any international law, if that country has an independent policy "not in the wake" of the USA. **The world does not know any peaceful and successful US initiative to promote global peace, for the benefit of all nations** not in favor of US/NATO militarism. Search on this subject on the Internet does not give a positive result. Therefore imperial "national" policy of the USA – **this is a global war policy in the interests of only one country**, against peace and in contrast (in varying degrees) to the interests of all other countries.

To this policy is opposed and non-violently gradually overcomes it **the other, peace, "national" policy. It is also becoming a global policy, if it unites many countries and serves to the world in a whole.** The national peaceful policy of Russia combined with the national peace policies of other countries in the BRICS, SCO and similar unions – this is a global policy, which coincides with peace interest of all nations within global community as community of SPHERONS.

We recall, that global community is unity of SPHERONS (see chap. 1), which do not need war on the objective situation of balanced (harmonic) groups in a single world system of social

production. SPHERONS cover the entire population of the world; to what as a single community no one from the outside is confronted. They do not fight with anyone in the world, even if they had suddenly, mysteriously, would want this. While the global community of SPHERONS has not yet formed by legally and institutionally because they are unknown to science but a constant, "background" political aspiration of this community is peace of SPHERONS constituting eternal source of intuitive universal pursuit of peace. **It is yet unknown and inexhaustible Klondike of global peace, endless resources of which for the economic and social growth, prosperity and global harmony of all nations will open only in connection with their scientific social cognition in GPS, when it will be understood, recognized and used by the world nations.** Today, the peaceful peoples constitute the planetary axis of peace: Russia/BRICS/SPHERONS global community that opposes to WAR AXIS – empire of the US/NATO. The axis of war is disclosed in general terms in the preceding chapter and this chapter is devoted to the axis of peace, especially Russia and BRICS.

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2. Historically Opposed Priorities of Peace and War in Russia and USA

Leo Semashko

The foregoing analysis in Chapter 9 shown that the USA history on 90% is a constant wars, attacks, occupations, bombings and so on, which not only preserved but also increased after the WWII, starting with the atomic bombings of Hiroshima and Nagasaki in 1945 in which was killed more than 200 thousands of innocent civilian victims. The USA entire history is approval of cultural-value priority of war/violence (this is confirmed by the 2nd Amendment of the US Constitution) and the denial or disregard of cultural value of peace/harmony, which is not recorded in the USA key documents. **Therefore, the US has never aspired to peace but always moved to war, in war and through war.** (Once again, we recall the distinction of concepts: "the United States as the American people and republic" and "the United States as a political and military empire in the face of the ruling military-industrial elite." Here and in the past, the term "USA" is used in the second sense and use it in the first sense is specified in the relevant piece of text). Therefore it is no accident that the Internet via the query "United States about world without wars" in GOOGLE answers, "no results", i.e. peace and the US – are not related notions of human culture. The USA "peacefulness" is qualified only as "cunning or false" on the Internet. **It is evident: peace does not exist for the USA and the USA does not exist for peace. Brian Willson writes about it as "The US Fear of Peace" [3a].** Therefore the USA is personified only with war and militarism. Humanity is watching only one relentless aspiration of the USA foreign policy: world domination and violence against dissenters. This state is briefly characterized by William Blum as "*US foreign policy vs the world*" [4, 15–38].

Yulia Budnikova, developing the Nicholas Roerich's ideas (see her article in Chapter 6) underlined: "**Unlike some other states, Russia has no interest in war. Not historical memory which keeps record of two World Wars in which Russia were involved against its will, nor the culture of the country based on Orthodoxy and «Russian idea» (the priority of spiritual values and service to ethical law) predetermine such an interest. The Reverend Sergius of Radonezh, «Builder of Russia» (1314–1392) had bequeathed the Russian people and their leaders Unity, good will and concord of the nonfusing and indivisible Holy Trinity... Principles of peaceful social life in harmony and its unconditional advocacy from any aggressor are the ultimate historical values of Russia to which it remains faithful to the present day.**"

Peacefulness of Russia received a powerful continuation and development in the sobornost of Orthodoxy, in Russian philosophy of universal unity and so on. Russia, mostly, only protected against the aggressors, starting since the Mongol yoke (XIII-XV centuries) and Swedish crusaders (XIII-XIV centuries) and ending with Napoleon (1812) and Hitler (1941–1945). The

peaceful nature of Russian history is disclosed in the book of Boris Mironov's "Social History of Russia" [5]. Peace was always a cultural-value priority of Russia. It is no accident that the monument symbol of the Soviet victory over the worst evil in the history of mankind – Nazi Germany standing in Berlin's Treptow Park (sculptor Yevgeny Vuchetich) is a non-degrading the German nation dignity attributes of military defeat but a soldier with a rescued baby on hands. Of course, Russia, like other nations, was actively involved in the expansion and colonization of new lands in ancient history. But unlike the US, which killed more than 10 million Native Americans (according to other sources – 100 million Indians [6; 7]), it has never engaged in genocide against the local people and always involved them into an independent cultural life as part of a multinational state under the motto: "Peace and Consent/ Harmony/Sobornost." It is enough to stress the fact that to many nations as part of the Russian State the Russian scientists gave written language, on the basis of which began to develop a national culture of these peoples, for example, Kazakhs, Tajiks, the indigenous peoples of the North, and others.

Tsar Nicholas II marked the beginning of the state international peacemaking of Russia. He initiated the first European peace (more correctly – the world) conference in Hague in 1898, which was attended by 26 countries, including the United States. *"The peace conference was proposed on August 24, 1898 by Russian Tsar Nicholas II. Nicholas and Count Mikhail Nikolayevich Muravyov, his foreign minister, were instrumental in initiating the conference. The conference opened on May 18, 1899, the Tsar's birthday"* [8]. Another example of the greatest global peacemaking mission of Russia is the Soviet proposal to the 14 UN General Assembly in 1959 *"Declaration on General and Complete Disarmament"* [9]. Russia still continues this mission as it evidence the Putin's Letter: "Russian Federation has Contributed to General and Complete Disarmament"[10] while *"the US policy prevents the reduction of nuclear weapons"* [10]. These are the good emulated examples for the modern Russian and BRICS states to initiate the new global peace conferences, the UN General Assemblies and other dialogues about world peace and the ways to achieve it, including scientific way.

History of Russia accumulated the millennial inner experience of interethnic and inter-religious peace from harmony/consent of dozen nations, deeper others came in their cultural intuition to understanding SPHERONS, which were discovered 40 years ago in it (see Chapter 1). Therefore Russia is objectively come closer than others to the mission of the spiritual and organizational leader of a conscious movement of SPHERONS global community to world peace through the peace science. In other words, it is **Russia has the greatest potential to become the organizing center of the peace axis for modern humanity: Russia/global community to oppose and overcome peacefully the global war axis of the US/NATO on the peace science base.** This worldwide civilizational mission of Russia, which Fyodor Dostoyevsky brilliantly expressed almost 135 years ago as **"a desire to bring reconciliation" and "great general harmony" of peoples** [3, 455–458], it does not contradict and keeps its national interests and serves as the basis of its national policy of peace in a global society. **We repeat once again: in contrast to the US, peace and harmony/consent are the values and ideals of Russian civilization, established throughout its history and brilliant expressed it best thinkers: Pushkin, Dostoevsky, Tolstoy, Roerich and others.**

Why the US and the West have been trying to destroy Russia as a civilization for long time? Precisely because that Russia has always fulfilled the historic mission of peace from harmony, which prevented the negative politics of the Western/American priority of military violence of other nations, opposing to them their own, independent and positive national policy for global peace in the world community.

Russia has all the necessary, historically accumulated, peacemaking resources and preferences before the USA to start and lead a new global peace movement, **which is able to disarm and overcome the American militaristic empire nonviolently.** The peaceful

preferences of Russia once again are: peaceful history, peace mentality of multiethnic and multifaith nation, its constant strong aspiration to peace after many wars and invasions, peaceful international reputation, global peace science (GPS), which not by chance was born for the first time in Russia in fraternal union with the tens other nations in the GHA.

The only condition is lacking Russia – it is a solid, clear and courageous political will and organization to move towards conscious, science-based building global peace leading for itself if not all countries then the most of them. **Perhaps GPS, as one of the key advantages of Russia, created in its recent history, will help it to find these political will and organization** (see Chapter 8).

On the contrary, the United States is denied historically, mental and cultural any peaceful virtues and benefits except for one, the only inherent to all nations without exception – natural and therefore objective aspiration of the spherical classes of the population, SPHERONS of the US people to peace and peacebuilding. This alone is cause for optimism in the USA peaceful regeneration in distant future from the Empire to a truly peaceful and peace-loving country with no pretensions to global dominance and military supremacy.

The axes of war and peace are irreconcilable: the war cannot be peace and peace does not live in the fire of war. They are not compatible and cannot be either harmonized or tolerant of each other, although such an attempt was historically made after the collapse of the Soviet Union in 1990, but it lasted until February 2014, to the Ukrainian conflict in which the USA supported by all means (political, financial and military) Ukrainian nationalists in the genocide of Russians in Ukraine using them as an aggressive force against Russia. In fact, the USA launched a war against Russia by the hands of Ukrainian nationalists. This war will be long (if it is not nuclear if all parties will refrain from it) and to the victory finish of one of the parties/axes. **This war will end a victory of peace over war, when Russia will continue and develop not only the armed defense of peace but will adopt a non-violent methods of social technologies of winning global peace, offered by GPS in this book.** The main thing is if Russia, together with the BRICS and SCO countries will become a leader and the center of the global peace axis.

The US has long searched for a way to start, first of all, by other hands, the war with Russia. Now, December 4, 2014, the US Congress, in fact, adopted a law on the preparation of the immediate war with Russia (see Dennis Kucinich and Ronald Paul articles in Chapter 9). The USA open preparation of aggression against Russia **pushes Russia to become a leader of the global peace-building front against global US militarism immediately.** Be patient and wait for more than nothing. When will start the bombings, heaven forbid nuclear, for peacefulness will be no place or time. When guns are shooting not only muses fall silent but also peace. Therefore, Russia and BRICS are primarily responsible for the creation of a global non-violent peacebuilding front against the military threat to humanity.

Dr. Leo Semashko. Editor in Chief, *Global Peace Science* (GPS)

3. Peacebuilding Mission of Russia in Roerich's Definition and its Role in GPS. *Leo Semashko*

For our century, the Nicholas Roerich's (1874–1947) words are very significant: *"It is no coincidence that the Russian word **mir** means both "Universe" and "Peace" at the same time ... It is not due to poorness of the language. The language is rich. But these two concepts are univalent in their essence. Universe and peaceful creation are indivisible. By all their symbols and hieroglyphs were the ancient people trying to make this beneficial and salvational tie clear "* (See Ch. 3.9 and [11]).

It is the Roerich's definition of peacebuilding and peacemaking national mission of Russia, in which the Roerich Pact 1935 year is only one of its manifestations. It seems, that in any other language and in any other culture does not exist **this "coincidence of peace and**

universe, world" as social identity "of the universe and peaceful creativity", "indivisibility" of peace and society. They express the spiritual essence of Russia throughout its history and its entire culture. Therefore, they constitute the "national idea" Russia, which is also the global idea of humanity. The human universe and its world order are conceived in it as an eternal peace, identity with social peace. The idea of "peacefulness of the world" or the original peacefulness of human and society is the core of Russian spirituality and culture as 'sobornost'. It permeates intuitively and Russian Orthodox Church in its sobornost, and sobornost of Russian philosophy, starting with Khomyakov, and Russian literature with its idea of harmony as sobornost at Pushkin, Dostoevsky, Tolstoy and others, finding the most vivid and complete understanding at Nicholas Roerich.

This "national/global idea of Russia" always distinguished it, often making it the subject of military attacks and attempts to destroy by military force. The last centuries are marked them: in the XIX century – Napoleon, Hitler – in the XX century and the USA/NATO empire – in the XXI century (see Chapter 9). **All of them are excluded peace and harmony, all of them the bets are made only to the war and violence to suppress Russia as a cultural and spiritual source of global peace, rejecting violence and war.** Russia defended symmetrically, by military means, as in any other way it could not defend themselves in the past centuries.

Now, with the discovery of GPS, at Russia appears other, **asymmetrical way to the victory of peace over war on a global scale. This is the path of scientific, cultural, philosophical and spiritual development of the peacebuilding mission in Russia.** After WWII, peacebuilding mission of Russia in the world has found a vivid expression in the peacemaking leadership of the USSR, in its active promotion of general and complete disarmament, in the creation of a powerful international peace movement and so on. With all the ideological, economic and political evils of the Soviet Union, which led to its collapse, its peacemaking leadership was its indisputable historical merit, appealing to all peoples of the earth and relevant to this day. It was beyond the reach for the US/NATO. Today, the world is dominated by militaristic leader in the face of the US empire and its military allies of NATO, which does not have any significant opposition of peace forces, which are weakened in all dimensions, primarily scientific and organizational.

Russia cannot get away from this opposition in the XXI century. We see new attempts with other sides, for example, by the nationalist Ukrainian to weaken and undermine it to split up and make it the easy prey for the military hawks. **None Russia's efforts to join global imperial institutions of militaristic world order will not save it from such attacks.** Peacebuilding mission of Russia requires its peacemaking leadership in the world on the spiritual basis of GPS, a key value of which is harmony, acceptable to all peoples and cultures as a source of global peace. GPS unites all spiritual peacebuilding forces – science, religion, art and culture in general. **GPS will be asymmetrical and irresistible spiritual weapon for global peace in achieving its victory by non-violent and unexpected way for all the hawks. Russia can and must consciously lead peacebuilding mission of humanity in the XXI century and do not shy away from it as it is dangerous for it inherently and defectively for all the peoples with the threatening unhindered growth and increasing global military pathology of the US/NATO.**

The revival and continuation of peacebuilding Russian leadership at the state level through the BRICS, SCO, EurAsEC and other international associations will be the inspiring and renewing national/global idea of the XXI century. It integrates the power of peacefulness of Russian history and culture of Russia. The N. Roerich merit is the emphasis of peace-building mission of Russia, without which the development of global peace is impossible. This idea is making a key for GPS. **If the US historically and spiritually pretends to militaristic exclusivity and domination, causing all the other countries on the arms race and military competition, the Russia historically and spiritually pretends to peacebuilding exclusivity**

and leadership, inspiring all the other countries to peace contest "to shift the arms race into a peace race" in the words of Martin Luther King genius.

If Johan Galtung has defined the main obstacle of global peace as the USA empire, that Nicholas Roerich (after Dostoevsky) identified the main energy to overcome it as peacebuilding mission of Russia together with all peace-loving peoples. This mission in alliance with the BRICS and other countries is becoming one of the main subjects of research in GPS thanks the Roerich contribution to this science.

Dr. Leo Semashko. Editor in Chief, *Global Peace Science* (GPS)

4. Russians Bear the Spiritual Unity of the World. *Vadim Tatur*

We generally regard the properties of the Whole – the Biosphere – as a material, informational, and correlational unity (similar to quantum mechanical systems). Each of these properties needs to be expressed by a particular ethnic group as a part of the Whole, though these features are rather cultural than biological, and they are expressed through people's language and religion... Jews are responsible for the material unity of the world, which is revealed by the fact that trade and consequently finance are under their control. They keep the track of the world's circulation of commodities... Anglo-Saxons are responsible for the informational unity of the world, as well as the law... It was English that became the language of science and description of general natural laws, the lingua franca of the world of information... (full text of article in Russian see [12]).

At the end of the 20th century the scientific progress brought up the question of unity of the whole as a property not limited to the sheer sum of features of its parts. A new property of the world has come into the limelight: a non-forced correlational connection being just a sign of the integrity of the world or, as related to the social medium, of its spiritual unity... **This is when the Russian World comes to the fore on the universal scale.** It is exactly now that a new paradigm of natural science is appearing in the Russian World. This paradigm includes integrity as the basis for the analysis of any phenomenon, which is why today the Russian World has become an insurmountable obstacle to the formal unity of the world, the latter being based on the old paradigm. **It is now that the Russian world is announcing the creation of the New World Order based on mutual consideration of interests of all nations, harmonization of relationships, and the so-called non-forced correlation along with the development of world processes** (font by me – *L.S.*)...

Russians are responsible for the **correlational unity of the world, or, in other words, its spiritual unity.** Today the word "Russian" does not refer to a purely ethnic or tribal background anymore. It has become a cultural and historic phenomenon that appeared due to the peculiarities of the language with its thousands of years of history that was influenced by the endless spaces and the time of being of Russian people, as well as their peaceful coexistence with other peoples and ethnic groups. The image of the spiritual unity brought by the Russian language influences both the person's perception of the world and their behavior. Spiritual unity might seem slow or clumsy, and is sometimes regarded as a slave-like state of mind. This happens because a person embracing such spiritual unity, even unconsciously, is not willing to lose it, which is why they neglect the material profit, the expression of free will, etc. This correlation unity goes above the material and the informational ones, because the Spirit has no shape...no borders or frontiers exist for him.

As a famous Soviet song goes "there are no borders for us, in the sea or on the land", referring to the Russian cosmism, the aspiration to reach the space and leadership in its discovery, this being the first technological form of unity between the people of Earth as the inhabitants of the Biosphere – Gene... The Spirit is in Lord's Truth, the Divine Justice, and the Degree of Retention. Something we know since early childhood: "God is not the Force, but the

Truth'. ... The epochal importance of the October Revolution was not only the aspiration to create a fair state for the first time in the social history, but also the fact that **Russian people (like Jews and Anglo-Saxons did earlier) spread around the world and the Russian World became everyone's treasure.**

In the 19th century, the Russian World announced its mission through the writers and philosophers, in the 20th century through the social creation and the scholars, due to whom **dialectical materialism became irrelevant by the 1980s and gave birth to a large noospheric movement** with a different idea of the integrity. In the 21st century, after getting rid of the deceptive appearance of the formal philosophy and different forms of historical being, **the Russian World as such comes to the world geopolitical stage. Today, it is only starting to fulfill its epochal role...**

To consider the cultural phenomenon of Russians as a purely ethnic characteristic means to destroy the Russian World. It should not be locked in its autonomy, but rather unlocked, open to the world, the entire humanity. This is the only way for it to accomplish its mission. The Russian World is only starting its movement. **The hardship of the start are not a tragedy but rather the completion of the historic part us.** It hurts, but the whole world is in front of us.

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The GPS Editor in Chief Note. An important and profound article by Vadim Tatur appeared in the *Trinitarian Academy* edition in December 2014. The article contains a new and interesting interpretation of the Russian spiritual unity dwelling on the ontology of Russians and rejecting the idea of their ethncal isolation. **This unity is always peaceful and by definition excludes militarism.** We are quoting the most representative extracts from this article, so clear and obvious, going along with the Global Peace Science as a whole and Russia's peaceful leadership in particular so harmoniously that no special comments are needed.

5. Global Community: Support of Russia, Putin and Peace. *Germain Dufour*

The people from EU 28 member states are broke, they have spent all of their assets and resources, they are no longer credible economically, and they are hungry for a new virgin land to rip apart, and to divide as they have done to themselves over centuries of wars. Russians know better than being "occupied" or "invaded economically". They are not Europeans! **They are Russians! They are a responsible people! They are successful! And Russia is the land to protect, to live in!** Soviet President Mikhail Gorbachev ended the Cold War in 1991 because of the economy of his nation was suffering from the unsatisfying appetite of the military. He had the guts to end the Cold War to save his people from a nuclear war. **A leader of Peace and Harmony! Why have the United States not followed his leadership in creating an open and safe world?** If America had followed his leadership the American economy would not have been bankrupted today. For years after the Cold War ended, American businesses have taken advantages of Russia openness and dragged Russian economy even more down further....

The more than a half billion people from the EU 28 member states are much like piranhas. Piranhas have a reputation as ferocious predators that hunt their prey in schools as a means of cooperative hunting. That is why the 28 member states are re-uniting themselves as the EU, a new Union of predators badly needing of a new prey, a fresh body to eat, and Russians and Russia will do just fine they say. After the feeding frenzy of the piranhas is done, only bones are left afterward. Once all of Russia has been 'done' with to the bones and falling apart, guess what happens next! Russians and Russia will be divided. Not even a Soul left! The Russia we know today will become much like the 28 member states: divided, hungry, scared of not having a future for themselves, and the Russian brand gone forever....

Over the past decades, global warming of the planet and climate change were problems mostly created in Britain and in the USA. **Now by invading Russia, the people of the EU**

member states and the USA would destroy Russia's natural resources and practically burn the Oxygen left in our air making it impossible for all life forms to breath and, yes, that would also mean the end of all civilizations on Earth. With climate change and the melting of the North ice, Russia will enjoy a new land to appreciate for the generations to come. **Their future as Russians is good. They should not lose it to the EU.** Russians are a responsible people. Russia is a wonderful place to be born in and with a great future ahead of Russians for many generations to come. They should not lose it all to the EU member states desperate and hungry to invade them militarily and economically. **The so called Allied nations of WW II tried to invade the Soviet Union militarily. They failed. Now they are trying again but this time they are more vocal and forceful. They have caused an illegal "coup d'etat" in the Ukraine and trying the same in Syria for the purpose of pushing Russia to react forcefully.** We all know the USA mercenaries from the White House are behind the coup d'etat in the Ukraine. We all know Russia resources are again the target of the half billion people from the EU 28 member states and the USA mercenaries....

The USA is invading the world, and the UN can do nothing to stop them. The USA was allowed to invade other nations, change their governments, and has often made lies in speeches to the UN, to the world. **Remember what the US representatives told the world at the UN prior to the invasion of Iraq? Lies! All lies! And the leadership of the UN never did anything to reprimand the US representatives and implement hard sanctions for the invasion of Iraq.** Where was the UN leadership? What has the UN done to stop the invasion? Nothing! **The UN has never done anything to help humanity.** And that is a crime against humanity. There is now a Global Community Arrest Warrant against the United Nations Secretary-General. Many reasons! He is a criminal because he had the power and was able to show leadership as per the Charter of the UN but never did anything to follow those principles in the Charter he was supposed to be standing for. To do nothing is a crime against humanity and all life on Earth. **It is pure disgrace that we now have the UN organization allowing the USA trying to break the friendships between the different communities of the Middle East, creating hate between communities. The USA is responsible and accountable for the civil war in Iraq and in Syria....**

In Iraq and Afghanistan you have bombed the place so much and killed at least a million people, committed genocide ten times over, and got those nations back to stone age. **All under the United Nations approval! No questions asked! And no American President ever got taken to the International Court of Justice for crimes against humanity.** Was the Court bias? **Obviously the United Nations is an organization promoting and subsidizing conflicts and wars....** Promoting conflicts and wars should never be an option at the UN. Diplomacy is the only option.... And again, of course, following the lead of Ban Ki-moon, Secretary-General of the United Nations, other nations interested in selling arms to the terrorists i.e. Great Britain, France and the United States, were just waiting the best time to do so. Because Syria is a friend of Russia....

And guess who is next: China. Americans want the people of China to be just like they are: a consumer driven society and the worst polluters on the planet. And the invasion of China is their long term economic and military plan. If the United States can destroy North Korea, and its friendship with China, they can destroy China. North Korea is just a strategic military test to see how far and how well Americans can do invading the region without being told off. And what will be China's reaction...? If China does nothing meaningful to stop the invasion then America will continue further its progressive 'democratisation' of the world. But the United States would rather make money in the process, and that means letting rich American corporations getting richer by having the people of China working for them and so, polluting the planet even more on their behalf....

As a conclusion to this paper, over time **Russians showed the world they were better people than any of the people in the so called Allied nations. During WW II, Russian soldiers, all Russian people, were all heroes and ought to be thank for saving the world from Hitler's invasion. Thank you Russia! You are the best of all Peoples on Earth.** Global Community approves of what you are doing to protect Russians outside Russia. Dont trust the UN to do it for you. Protect your formidable natural resources and the global life-support systems. You are the only nation left capable of doing so. Global Community is proud of what you have become and achieved. Soviet President Mikhail Gorbachev ended the Cold War in 1991 and promoted Peace in the world. He was the greatest of all Soviet leaders, and he is my personal hero. Russians are all my heroes for what they have endured during and after WW II. **The Soviet Union saved the world. Now let Russia save the planet, and all life on Earth. Yes you can! You can do it better than anyone else in the world.** If there has to be a third world war, Global Community wants Russia to survive us all because you are truly a better People than all of us put together, than all Life has ever created through the evolutionary process. Russians are the best people the human species has ever had so far. God bless you Russia, and God bless all Russians [13].

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6. The West against Itself. Without Russia, Where Would We Have Been?

Johan Galtung

Jondal, Bergen, Kristiansund: The West – North America and Europe to somewhere in Mexico and Ukraine, declines, outcompeted economically, defeated militarily, confronted politically, contested culturally. But still strong on all four, with much to offer in a more egalitarian world. No need to fall further by working against itself.

Take the 70th anniversary demarcation of the victory over nazism, take thousands of Africans drowning in the waters around Lampedusa, Italy, take the Islamic State, take Ukraine – and a country up there in the high North of Europe, Norway. Elections have moved the country from "red-green" to "blue-blue" coloring of the same color blind foreign policy: follow Washington, Our Father, lest Satan should come.

Yes, the Red Army came and liberated Kirkenes 25 October 1944, the northernmost city. Everybody knows Operation Barbarossa, Hitler's three-pronged attack toward Leningrad (the siege), Moscow (to beat Napoleon?) and Caucasus (oil); but not the war for the ice-free harbor of Murmansk, from Kirkenes. King Haakon VII, a Dane elected king in 1905, made a remarkable speech in London, distributed from the air: *"Fear of Russians is not a recent phenomenon.– New was the fear of bolshevism, added after the Russian revolution. But up till this date we are missing the slightest proof that Russia has had aggressive designs on Norway. What we are not missing are the proofs that the fear of Russians and bolshevism is propagated by powers and groups that themselves had aggressive designs on Russia. The proofs are abundant in the political history from 1918 till today."*

Poland lost 20% of its population; the Soviet Union 27.1 million, 16%, with 1710 cities and 70,000 villages erased; UK 1.1%; USA 0.4%; Norway 0.32%. The Soviet Union may have lost more soldiers close to Kirkenes against nazism than Norway all over Norway during the war.

True, the present King, Harald, expressed gratitude last October. But 9 May is about the whole war: **travel to Moscow, King Harald, in the spirit of your grandfather.** Problems can be discussed the day after. However, even if Article 5 in the new Norwegian Constitution defines the King or Queen as "holy", Harald may not be permitted by the

multicolored consensus ballad "above political parties", choreographed by the US embassy in Oslo. A chance for peace lost.

Take the Islamic state: Norway is sending 120 soldiers – with the consent of the "greens" – slated to train forces against IS. No word about using military only defensively, protecting threatened victims of IS (they are many). Kill one IS, reap 10 new. Consider this.

Norway has more severe problems than declining oil revenues: bullying at work, inability to handle conflict is transformed into medical problems and insurance claims to become, in fact, unemployed. The country is rich enough so far to pay. Add loneliness, look at the movie OSLO, and understand why so many Norwegians, and many, many more French, convert to an Islam offering togetherness and sharing instead. And then they experience their own country thoughtlessly, as kneejerk reflex, attacking the source of their own new salvation. And the front against Islam becomes an ice front, also inside the West.

Take Ukraine. Like for the Islamic state the knowledge of detail is minimal. But there is a compass to go by, religion: Judaism with Catholicism with Protestantism on one side, ours; against Orthodox Christianity and Islam, maybe Hinduism-Buddhism, for sure Chinese civilization whatever that may be; lost in all that Eastern mist. This position, that stands, has been prescribed well in advance. From 395 for Ukraine, by those who divided the Roman Empire in a Catholic and an Orthodox part ("universal" and "right faith", not very modest). East of that border running through Ukraine is the wrong Christianity, the wrong alphabet, the wrong location.

From 622 for Islam, by those denying Christ's divinity: the wrong faith, even stranger alphabets, too far away, and dangerously close. Washington, with its geopolitical designs, has an easy job in Oslo. All badly handled, pushing others away by the deep culture of religion-history and simple geography, by lack of consciousness, lack of work to know, feel, and understand, by no empathy. **Norway is among the worst, embracing Obama and rejecting Putin more than any other country according to a recent Gallup poll.** Extreme ignorance goes well with extremist positioning; pushing neighbors away, embracing the Father substitute in Washington. "Fader Ver, Du som bor i Washington".

Take Lampedusa; a symbolic word – for what? Superficially for thousands of ecological-economic-political refugees. Deeper down much much more: a giant Vulkerwanderung, people, peoples, on the move for decades, centuries; colonized peoples seeking protection in "mother countries"; exploited peoples taking revenge – you occupied us, now it is our turn. Actually, all of the above. Rich Norway's offer? One ship, "before August 1". Maxi problem, mini answer.

There is a solution. Encourage, help the African Union effort to emulate the European Union: common currency for Africa, an African (not "World" – W = Washington) Bank, an African (not "International"-I = Inside the Beltway) Development or Monetary Fund. In short, exactly what Gaddafi tried. **The Western kneejerk was bombing, killing.** And who killed most? Norway, with the "socialist", "leftist" party.

Continue along these lines. Each stupid move not only drives what is East and South of West closer together in Eurasia; by itself not bad. Bad is a USA-EU/Eurasia ice front dividing a world possibly globalizing on a reasonably egalitarian basis, not on West = universal.

Forget millions of Russians who died to defeat Napoleon; without that no Kiel Treaty 18 January 1814, no Norwegian independence 17 May. Forget 27 million Russians who died to defeat Hitler. 9 of 10 German soldiers died on the Eastern front where 2/3 of them were fighting. **Without Russia, where would we have been?** Continue, and make the West fall further. It deserves better. 27-04-2015.

Dr. Johan Galtung (b. 1930) professor of peace studies is a Norwegian sociologist, mathematician and the principal founder of the discipline of peace and conflict studies. Germany.

7. Citizen Diplomacy Travel Begins Again – June 2015.

Our Travel in Today's Russia. *Sharon Tennison*

The relations between the two nuclear superpowers, Russia and the U.S., deteriorated so rapidly during the Ukraine build-up to war in 2014 that it seemed to us critical to try to rebuild citizen diplomacy again – even though this attempt feels like David and Goliath with the slingshot. Our 22 Americans from 15 states (and one from South Africa) came together to travel to Russia May 30 through June 15. Our goal? To learn how Russian citizens perceive the situations in Ukraine, Crimea and the Washington-based economic sanctions they are now under. **We wanted to get clarifying information from them**, to share our views with them, and to examine how to begin new efforts to break through the existing barriers between our two countries....

No other country has been so persistently maligned in US mainstream media (MSM) over the past decade as has Russia; this demonization has been initiated by a thin segment of Washington's current policy makers and America's compliant MSM. It is said to have started in 2000 when Yeltsin turned over the reigns of the "new" Russia to then unknown Vladimir Putin. I was told by a State Department diplomat that on that very day when it was announced that VV Putin would likely be Russia's next president, "The knives were drawn." Actually I think it was even earlier in 1990, when Paul Wolfowitz, Dick Cheney, Brzezinski, et al, came up with "The Wolfowitz Doctrine." At that time, a fragment of Washington's power structure declared that the Cold War was over, that America was the victor – and a policy was set forth to prevent any country including the former USSR, from getting strong enough to challenge America's superiority in the future (Google the Wolfowitz Doctrine). **Another strategy soon emerged – "Full Spectrum Dominance;"** that is, whatever power it takes to maintain superiority over land, air, water, subsoil, and outer space on the planet. To some, this meant total security for Americans in the future; to others, it meant sinister plotting to do whatever necessary to maintain America's power and hegemony (Google Full Spectrum Dominance).

With the emergence of Vladimir Putin in 2000, a serious effort began to coalesce around Russia to hem her in. Subtly, and not so subtly, Russia found itself being criticized for doing the normal reforms and state-building necessary to put Russia back on its feet after communism and the disastrous 1990s. Those of us intimately involved with the collapse of the USSR and its impact on 150 million Russian people were bewildered by why Washington's policymakers were deliberately taking a hostile stance to the "New" Russia." A pattern emerged from 2001 on. We continued to try to make sense of it until the demonization of Russia and Russia's president, Vladimir Putin, became such virulent attacks that we had to question the intentions and psychology of the Washington's perpetrators. Psychologically healthy human beings don't continuously attack, demean, bully, and sanction other people – or whole nations. The 2014 Sochi Olympic events were the capstone – an all-out effort occurred to blackball Russia's attempt to show the world a healthy and new Russia. Sochi was a monumental success which could not be discounted.

On May 31 we arrived Moscow, now 12 million people – our schedule was packed with simultaneous meetings with journalists, entrepreneurs, think tank leaders, US corporate persons and university faculty and students. We traveled the miles from N to S, E to W, on the famed Moscow Metro system with the help of delightful students and travelers who knew the system. Our travelers were stunned by the range of meetings they attended, some three or four of them going out in multiple directions to discuss the issues that divide our two countries. **We found total openness, honesty and multiple points of view.** Most Muscovites were impressed by the new Russia emerging over the past 15 years – and some were quite vocal about their gripes regarding Putin and the governing system. Our student helpers were from the relatively new Moscow School of Economic and Political Sciences. One of the last meetings, and one that all of the delegation attended, was at their academic institution. The room held about 50 people with long tables on all four sides, with all communicants facing each other. Russians on the left and Americans on the right. Young professor Alexander Abashkin, began with a few informal remarks, gave the floor to me, after which we all quickly introduced ourselves and began asking informal questions of each other, one person having the floor at a time. It was civil, revealing and powerful – there was no party line from either side of the table. We began to deal with solutions for the current political standoff – proposing possibilities for future people-to-people exchanges with both sides being responsible for their own travel money and providing pro bono support for any future activities. As for CCI, we will approach our US lists as we gear up to repeat some of our earlier programs which broke down barriers between our two countries in the 1980s and 1990s....

As this is written, we citizen diplomats are on an overnight train from Moscow and traveling into the heart of Russia. The next stop will be Volgograd, the battleground that turned the tide of WWII.... It's 6 am, we are approaching Volgograd within the next couple of hours. I arose at 4 am to take in the scenery outside our train windows. This is such a verdant countryside, vast stretches of forests, so full of foliage they looked to be stuffed with solid green trees alongside the tracks. I'm struck by the tiny ancient towns we are passing through, formerly broken down Soviet buildings – now showing newly added repair and paint on everything in site. Structures sport new coats of color not seen in the Soviet days. I'm fascinated by their use of the most simple of available products to create beauty. For instance, many carefully designed circular flower beds made of what appear to be old cut-in-half tires. They are painted a slightly different but corresponding color from the main buildings, with the effect being scalloped circular beds of blooming annuals, each about 15 feet in diameter. Why describe something this simple? It's just one small example of thousands of details I'm noticing which are telling me that "Beauty is Back" in today's Russia. The garish appearances from the last couple of decades are giving way to a new sense of harmony and color – even in outposts like these that the train is passing through....Now back to the seemingly endless miles of landscapes with cultivated farm lands in between thick green forests. Volgograd is now about an hour away.

So, yes, to this veteran watcher of all remnants in this country, it is clear that beauty is back; much of the older generation has died off, and a new Russia is being born here. Over the past decade I've been able to finally see the blossoming of their deep respect for their rich Russian culture – its literature, poets, and musical geniuses are coming back – thankfully it was not lost in the miserable turnstile between the Soviet era and this new period of societal development.

We, the Baltic peoples, the Ukrainians, or any country, **have NOTHING to fear from today's Russia. From all conversations we are having, Russians have NO interest in more land mass;** they have more land than they need, and the worst situation of all, would be to have resentful Baltic countries or other nations under their rule again. The constant allegations that **Russians are looking to take over additional territory are totally manufactured propaganda.** We do need to understand that Russians will never submit to a world culture that is different from their own – any more than we in America would. **Russians have regained their national pride over the past decade and are capable of defending their right to exist – and they have a government today that will protect their deeply embedded culture.** Russia will never be precisely like America, nor should they be; their history and national conditionings are quite different from ours. However, **they are completely ready to let America be America ...** and for us and other countries to develop what is comfortable for ourselves. **They have NO intention to impose their culture on others.** The narrow slice of today's American policymakers need to get accustomed to this fact and stop their incessant preoccupation to remake the world in America's image. When referring to the policies that are currently being made in the West, I find it more appropriate to designate them as "Washington policies," not U.S. or American policies.

I KNOW middle America. I've been traveling from state to state over the past three years speaking and selling my book. Even though many Americans are frequently misinformed by MSM, **Americans are truly good people with good hearts and would never wage wars on other countries or on Russia.** From Rotary and Kiwanis clubs to business forums, libraries, churches, universities and even high schools, Americans are good stock, doing good work in their cities and states. **They want to know the truth and are open to new inputs.** Our MSM has been relentless and of one voice on Russia over the past few years – to the place where the average American hardly realizes that the "sanctions" are an all-out attempt to take Russia down economically. If you are interested, I can send Internet URLs by responsible investigative journalists and international news services which will give multiple points of view on these topics. Wars have been fought over such tactics as economic sanctions in the past. **Fortunately Russia has kept a cool head and is able to survive** – and has as a result, developed serious supportive relationships with China, India, Brazil and South Africa–the BRICS countries.

Sharon Tennison, President and Founder, Center for Citizen Initiatives. Web: <http://www.ccisf.org>

8. Vladimir Putin: Historical Reformer of the XXI Century. From US Military Dictate to Multipolar Global Peace from Harmony through Science and Cooperation. Valdai Forum Speech 2014. *Leo Semashko*

The GPS Editor in Chief note. The historically turning point for Russia and its leader – Vladimir Putin President became his key speech at the Valdai Forum in Sochi on October 24, 2014, defining the new azimuth of Russia's strategy for the future. The speech drew a line under the cooperation "gritting teeth" of peaceful Russia with global militarist – US in 1990–2014 years. It is clear the Russian leader expressed the Russia turn from the camp of the American empire and its release from the military dictatorship of the USA. It is turning from a unipolar imperial and militaristic/violent world order to a multipolar democratic and peaceful/non-violent world order. Russia has made **for itself** this historic choice, and demonstrated to the world that it is not only capable but historically ready to lead the global peace-axis: Russia/BRICS/global community and universal **nonviolent peacebuilding front** (see chap. 8.25). This means that Russia **is ready to offer this option for other peaceful states**, becoming a global leader in peacebuilding front. Peaceful, anti-war consolidation of the global community under the leadership of Russia/BRICS is the only nonviolent step to prevent the war. **It is peacemaking step and nonviolent struggle for peace.** It is not prohibited to anyone. It is not contrary to international law. Therefore, no one, including Russia, cannot and should not be afraid or ashamed with threatening charges of "new empire", of course, under the full transparent peace strategy. **If the US/NATO does not hesitate to speak openly about the war with Russia, why it should be ashamed to speak of "nonviolent war against war" and about peacebuilding front against the war?**

The pillars of this front, Vladimir Putin has identified in his great speech at the Valdai Forum [15], which we reproduce here in the 24 short theses below, which constitute a core of the speech conceptual system. In parentheses are our brief comments with our initials (LS) and with our underscores. Putin repeated virtually almost all definitions of the US/NATO military empire, which are disclosed in Chapter 9, so we limit here with brief theses of his speech.

1. The Valdai spirit and theme: move from war to peace, from violence to harmony

"I hope the 'Valdai spirit' will remain – this free and open atmosphere and chance to express all manner of very different and frank opinions. ... Some of what I say might seem a bit too harsh, but if we do not speak directly and honestly about what we really think, then there is little point in even meeting in this way.... We need to be direct and blunt today not so as to trade barbs, but so as to attempt to get to the bottom of what is actually happening in the world, **try to understand why the world is becoming less safe and more unpredictable, and why the risks are increasing everywhere around us.** Today's discussion took place under the theme: **New Rules or a Game without Rules.** I think that this formula accurately describes the historic turning point we have reached today and the choice we all face." (It is a choice between war and peace, harmony and violence. It is the new rules of global peace and world order from harmony through common science – LS).

2. The agenda of our time is a change of the world order

"As we analyse today's situation, let us not forget history's lessons. **First** of all, changes in the world order – and what we are seeing today are events on this scale – have usually been accompanied **by if not global war and conflict, then by chains of intensive local-level conflicts.** **Second**, global politics is **above all about economic leadership, issues of war and peace, and the humanitarian dimension, including human rights.** The world is full of contradictions today. We need to be frank in asking each other if we have a reliable safety net in place. Sadly, **there is no guarantee and no certainty that the current system of global and regional security is able to protect us from upheavals.** This system has become seriously weakened, fragmented and deformed.... It is my conviction that we could not take this mechanism of checks and balances that we built over the last decades, sometimes with such effort and difficulty, **and simply tear it apart without building anything in its place.** Otherwise we would be left with no instruments other than brute force. What we needed to do was to carry out a rational reconstruction and adapt it to the new realities in the system of international relations."

3. Global leadership and the USA dominance are outside of international law

"But the United States, having **declared itself the winner of the Cold War, saw no need for this.** Instead of establishing a new balance (harmony – LS) of power, essential for maintaining order and stability, they took steps that threw the system into sharp and deep imbalance. The Cold War ended, **but it did not**

end with the signing of a peace treaty with clear and transparent agreements on respecting existing rules or creating new rules and standards. This created the impression that the so-called ‘victors’ in the Cold War had decided to pressure events and **reshape the world to suit their own needs and interests**. ... Pardon the analogy, but this is the way nouveaux riches behave when they suddenly end up with a great fortune, in this case, **in the shape of world leadership and domination**. ... **International law has been forced** to retreat over and over by the onslaught of legal nihilism. Objectivity and justice have been sacrificed on the altar of political expediency. Arbitrary interpretations and biased assessments have replaced legal norms. At the same time, **total control of the global mass media** has made it possible when desired to portray white as black and black as white. **In a situation where you had domination by one country and its allies, or its satellites rather**, the search for global solutions often turned into an attempt to impose their own universal recipes. This group’s ambitions grew so big that they started presenting the policies they put together in their corridors of power as the view of the entire international community. **But this is not the case.**”

4. The false interpretation of legitimacy as loyalty to the USA dictates

“The very notion of ‘national sovereignty’ became a relative value for most countries. In essence, what was being proposed was the formula: **the greater the loyalty towards the world’s sole power center, the greater this or that ruling regime’s legitimacy**. ... Maybe the United States’ exceptional position and the way they are carrying out their leadership really is a blessing for us all, and their meddling in events all around the world **is bringing peace, prosperity, progress, growth and democracy**, and we should maybe just relax and enjoy it all? Let me say that **this is not the case, absolutely not the case. A unilateral diktat and imposing one’s own models produces the opposite result**. Instead of settling conflicts it leads to their escalation, instead of sovereign and stable states we see the growing spread of chaos (Iraq, Libya, Afghanistan, Syria, ISIS – LS), **and instead of democracy there is support** for a very dubious public ranging from open neo-fascists to Islamic radicals.”

5. The collapse of the US unipolarity and dictatorship over the people and nations

“Colleagues, this period of unipolar domination has convincingly demonstrated that having only one power center **does not make global processes more manageable. On the contrary, this kind of unstable construction has shown its inability to fight the real threats such as regional conflicts, terrorism, drug trafficking, religious fanaticism, chauvinism and neo-Nazism. ... Essentially, the unipolar world is simply a means of justifying dictatorship over people and countries**. The unipolar world turned out too uncomfortable, heavy and unmanageable a burden even for the self-proclaimed leader. ... It does not matter who takes the place of the center of evil in American propaganda, the USSR’s old place as the main adversary. It could be **Iran**, as a country seeking to acquire nuclear technology, **China**, as the world’s biggest economy, or **Russia**, as a nuclear superpower.”

6. Opposition to the American diktat

“But today, the global business community faces unprecedented pressure from Western governments. What business, economic expediency and pragmatism can we speak of when we hear slogans such as “the homeland is in danger”, “the free world is under threat”, and “democracy is in jeopardy”? And so everyone needs to mobilise. That is what a real mobilisation policy looks like. Sanctions are already undermining the foundations of world trade. ... **The Western countries now risk losing trust as the leaders of globalization. ... We already see that more and more countries are looking for ways to become less dependent on the dollar** and are setting up alternative financial and payments systems and reserve currencies.”

7. Self-sufficiency and Peacefulness of Russia

“I have always thought and still think today that politically motivated sanctions were a mistake that will harm everyone. ... Let me stress that Russia is not going to get all worked up, get offended or come begging at anyone’s door. **Russia is a self-sufficient country**. We will work within the foreign economic environment that has taken shape, develop domestic production and technology and act more decisively to carry out transformation. **Pressure from outside, as has been the case on past occasions, will only consolidate our society**, keep us alert and make us concentrate on our main development goals. ... We are always open to dialogue, including on normalizing our economic and political relations.”

8. Dependence on a single superpower is reduced

“Today’s demographic, economic and cultural trends all suggest **that dependence on a sole superpower will objectively decrease**. This is something that European and American experts have been talking and writing about too. Perhaps developments in global politics will mirror the developments we are

seeing in the global economy, namely, intensive competition for specific niches and frequent change of leaders in specific areas. This is entirely possible.”

9. The growth of humanitarian factors and soft power in the global competition

“There is no doubt that humanitarian factors such as education, science, healthcare and culture are playing a greater role in global competition. This also has a big impact on international relations, including because **this ‘soft power’ resource will depend to a great extent** on real achievements in developing human capital rather than on sophisticated propaganda tricks.” (Especially important is the **Global Peace Science** resource of ‘soft power’ – LS).

10. The problem of achieving a global equilibrium/harmony.

“At the same time, the formation of a so-called polycentric world in and of itself does not improve stability... The goal of reaching **global equilibrium is turning into a fairly difficult puzzle**, an equation with many unknowns. (It is soluble only with the GPS as the science of global harmony – LS). So, what is in store for us if we choose not to live by the rules – even if they may be strict and inconvenient – but rather live without any rules at all? ... The symptoms of global anarchy will inevitably grow.”

11. The USA initiates growth of the large violent conflicts.

“Today, we already see a sharp increase in the likelihood of a whole set of violent conflicts with either direct or indirect participation **by the world’s major powers**. ... **Ukraine ... is one of the examples of such sorts** of conflicts that affect international power balance, and I think it will certainly not be the last. From here emanates the next real threat of destroying the current system of arms control agreements. And **this dangerous process was launched by the United States of America** when it unilaterally withdrew from the Anti-Ballistic Missile Treaty in 2002, and then set about and continues today to actively pursue the creation of its global missile defence system.” (The destruction of these peace treaties makes the US an enemy of global peace – LS)

12. The USA kept guarantor of security weapon and the fear of mutual destruction.

“Once again, we are sliding into the times when, instead of the balance of interests and mutual guarantees, **it is fear and the balance of mutual destruction** that prevent nations from engaging in direct conflict. In absence of legal and political instruments, arms are once again becoming the focal point of the global agenda; they are used wherever and however, without any UN Security Council sanctions... Many states do not see any other ways of ensuring their sovereignty **but to obtain their own bombs**.” (US persistently lead the world to nuclear confrontation – LS).

13. Russia, not the USA, insists on continuing negotiations on nuclear disarmament

“We insist on continuing talks; we are not only in favour of talks, but insist on continuing talks to reduce nuclear arsenals. **The less nuclear weapons we have in the world, the better**. And we are ready for the most serious, concrete discussions on nuclear disarmament – but only serious discussions **without any double standards**.... The use of a so-called first global pre-emptive strike may become tempting. In short, the risks do not decrease, but intensify.”

14. The USA initiates the social conflicts and global chaos

“The next obvious threat is the further escalation of ethnic, religious, and social conflicts. Such conflicts are dangerous not only as such, but also because **they create zones of anarchy, lawlessness, and chaos around them, places that are comfortable for terrorists and criminals**, where piracy, human trafficking, and drug trafficking flourish. Incidentally, at the time, our colleagues tried to somehow manage these processes, use regional conflicts and design ‘colour revolutions’ to suit their interests, **but the genie escaped the bottle**. It looks like the controlled chaos theory fathers themselves do not know what to do with it; there is disarray in their ranks. ... The result is obvious: the further expansion of **global chaos**.”

15. The search for collective solutions and joint management

“And **the logical way out is in cooperation between nations, societies, in finding collective answers to increasing challenges, and in joint risk management**.” (The collective answers and joint management require a single GPS – LS). “Practical experience shows that joint answers to challenges are not always a panacea; and we need to understand this. Moreover, in most cases, they are hard to reach; it is not easy to overcome the differences in national interests, **the subjectivity of different approaches**” (to overcome them requires a single scientific approach of GPS – LS).

16. The bases of the new world order: peace from harmony through science in cooperation

“What could be the legal, political, and economic basis for a new world order that would allow for stability and security, while encouraging healthy competition, not allowing the formation of new

monopolies that hinder development? **It is unlikely that someone could provide absolutely exhaustive, ready-made solutions right now.** (The absolute solutions are no existing but the general approach is known now: peace from harmony through science, GPS, **which is a new necessary basis for the new world order** – LS). “We will need extensive work with participation by a wide range of governments, global businesses, civil society, and such expert platforms as ours. However, it is obvious that success and real results are only possible if key participants in international affairs can agree on **harmonizing** (through science!!! – LS) basic interests, on reasonable self-restraint (harmony – LS), and set the example of positive and responsible leadership. We must clearly identify **where unilateral actions end** and we need to **apply multilateral mechanisms**, and as part of improving the effectiveness of international law... Perhaps **most important is respect for one’s partners and their interests.** This is an obvious formula, but simply following it could radically change the global situation.” (This formula maybe: peace from harmony through science in cooperation – LS).

17. Development of the traditional institutions and their new, harmonious content

“The institutions created after World War II are quite universal and can be given modern substance, adequate to manage the current situation. This is true of improving the work of **the UN, whose central role is irreplaceable, as well as the OSCE, which, over the course of 40 years,** has proven to be a necessary mechanism for ensuring security and cooperation in the Euro-Atlantic region.... In light of the fundamental changes in the international environment, the increase in uncontrollability and various threats, **we need a new global consensus** (harmony, balance – LS) **of responsible forces.** ... I think that **we need a new** (harmonious – LS) **version of interdependence.** We should not be afraid of it. On the contrary, this is a good instrument **for harmonising (!!! – LS) positions.**” (A stable and effective cooperation **for harmonising positions** is only possible on the basis of common global peace science – GPS, creation of which is the first task of the world agenda today. Without this science will prevail disintegration trends as shown the EU sad experience – LS).

18. The situation with Ukraine: US initiated the coup and civil war

“Instead of a comprehensive but – I stress – civilised dialogue, it all came down to a government overthrow, they plunged the country into chaos, into economic and social collapse, into a civil war with enormous casualties.”

19. The regional structures of Russia and their transparent peaceful intentions

“I am certain that the work of integrated associations, the cooperation of regional structures, should be built on a transparent, clear basis; the Eurasian Economic Union’s formation process is a good example of such transparency. The states that are parties to this project informed their partners of their plans in advance, specifying the parameters of our association, the principles of its work, **which fully correspond** (are harmonized – LS) with the World Trade Organisation rules.... With such joint work, we would think that we need to engage in dialogue (I spoke about this many times and heard agreement from many of our western partners, at least in Europe) on the need **to create a common space for economic and humanitarian cooperation** stretching all the way from the Atlantic to the Pacific Ocean.” (Russia initiates global peace and cooperation but the USA prevents this – LS).

20. Choice of Russia: global peace and cooperation, not war and confrontation, as the US

“Russia made its choice. **Our priorities are further improving our democratic and open economy institutions, accelerated internal development,** taking into account all the positive modern trends in the world, and consolidating society based on traditional values and patriotism. **We have an integration-oriented, positive, peaceful** (– it is the most important thing! – LS) **agenda; we are working actively with our colleagues in the Eurasian Economic Union, the Shanghai Cooperation Organisation, BRICS and other partners. This agenda is aimed at developing ties between governments, not dissociating.** We are not planning to cobble together any blocs or get involved in an exchange of blows” (that the military block of US/NATO plan actively – LS). “The allegations and statements **that Russia is trying to establish some sort of empire,** encroaching on the sovereignty of its neighbours, **are groundless.** Russia does not need any kind of special, exclusive place in the world – I want to emphasise this. **While respecting the interests of others, we simply want for our own interests to be taken into account and for our position to be respected.** We are well aware that the world has entered an **era of changes and global transformations,** when we all need a particular degree of caution, the ability to avoid thoughtless steps.... Otherwise, hopes for a peaceful, stable development will be a dangerous illusion, while today’s turmoil will simply serve as a **prelude to the collapse of world order.** I have already said that building a more stable world order is a difficult task. We are talking about long and

hard work. ... **Our common duty** is to resolve this fundamental challenge at this new stage of development. Thank you very much for your attention.” (Further from the answers to the questions).

21. The Russia leadership is possible in international law as global peace not empire or superpower

“Russia has never altered its position. We are a country **with a traditional focus on cooperation and search for joint solutions**. This is first.” (That is the traditional focus of Russia – it is always peace, not war as at the USA – LS). “Second. We do not have any **claims to world leadership**. ... We don’t need to be a superpower ... We are simply proceeding from the premise that all participants in international relations should respect each other’s interests. **We are ready to respect the interests of our partners, but we expect the same respect for our interests.... Russia could be a leader – it is in asserting the norms of international law.**” (This means Russia could be the peacemaking leader as international law is global peace – LS).

22. Our actions in Crimea

“I have spoken about this on numerous occasions, but if necessary, I can repeat it. This is Part 2 of Article 1 of the United Nations’ Charter – **the right of nations to self-determination**. It has all been written down, and not simply as the right to self-determination, but as the goal of the United Nations. Read the article carefully. I do not understand **why people living in Crimea do not have this right**, just like the people living in, say, Kosovo. This was also mentioned here. **Why is it that in one case white is white, while in another the same is called black?** We will never agree with this **nonsense**. That is one thing.... In Crimea, people held a referendum. ... The decision to hold the referendum was made by the legitimate authority of Crimea – its Parliament, elected a few years ago under Ukrainian law prior to all these grave events. This legitimate body of authority declared a referendum, and then based on its results, they adopted a declaration of independence, just as Kosovo did, and turned to the Russian Federation with a request to accept Crimea into the Russian state.”

23. Putin about the American threat and peacefulness of Russia and the USA people

“First of all, I did not say that **we perceive the United States as a threat** (but a month later, the US Congress approved Resolution 758, which declares war on Russia (see chapter 9.20 and 9.21) that is a direct threat to Russia – LS). President Obama, as you said, views Russia as a threat. I do not think that the United States is a threat to us. I think that, to use a hackneyed term, **the ruling establishment’s policies are misguided**. I believe that these policies are not in our interests and undermine trust in the United States, and in this sense they damage the United States’ own interests **by eroding confidence in the country as a global economic and political leader.... We do not want or seek any confrontation.**” (This is peacefulness of Russia in contrast to the USA ruling elite aggressiveness – LS). “You need to **overcome the desire to always dominate and act on your imperial ambitions**. You need to stop poisoning the minds of millions of people with the idea that US policy can only be a policy of imperial ambitions. We will never forget how **Russia helped the United States to obtain independence, and we will never forget our cooperation and alliance during World War I and World War II**. I think that the American and Russian peoples **have many deep strategic interests in common**, and it is on these mutual interests that we need to build our foundations.”

24. The absence of democracy in the United States

“A former European leader told me, “What kind of democracy is it in the USA – **you cannot even consider running in an elections if you don’t have a billion, or even several billion dollars!**” What kind of democracy is that? Besides, you elect your president using a system of electoral delegates, while **we have a direct democracy**. Moreover, as I have said many times already, you know that the Constitution is designed in such a way that the number of electors voting for a given candidate may be greater, while the number of people they represent is smaller. Thus, **the President can be elected by a minority of voters. Is this democracy?** What is democracy? It is power of the people. **Where is people’s power here? There is none.**” (This also is proved in Chapter 9 – LS).

The GPS Editor in Chief comment. All the listed 24 theses, which had never been expressed by the Russian leadership on the unsuitability of the traditional unipolar world order with the USA military dictatorship and the need to build a new, multi-polar and peaceful world order **characterized Vladimir Putin as a global historical reformer of the XXI century**. None of the leaders of the past and our century anything like dared not speak and demand change of the world order in the face of all-powerful US military empire. These reformist ideas Putin are shared by almost all the people of Russia (Putin's approval rating reached 89% in Russia in June 2015 [16]), as well as the global community, which look to him for further practical steps in this direction to prevent the threat of a new world/nuclear war and

nonviolently overcome the sources of this threat. **Russia together with BRICS countries can and must revive peacemaking leadership of the Soviet Union as its best achievement by leading a peaceful global community** of SPHERONS but not on the basis of the Marxist class struggle, which gone into the past and on the basis of harmony through science (GPS) and Mahatma Gandhi's nonviolence developed in GPS.

Vladimir Putin's speech at the Valdai forum is the strategy of transition from a unipolar militaristic world order to a multipolar order of peaceful harmony **through science**, the creation of which will complement the key ideas of Putin and equip his with a new information tool. Putin's speech with this scientific addition is ideology of global peace reformism to transform unipolar world order and dictates. It's packed with intuitive ideas of peace from harmony, which require scientific substantiation in GPS. Putin has clearly positioned itself as a great historical reformer from global harmony, so he was deservedly recognized in the GHA Highest Honorary Title "**World Harmony Creator**" [17]. The US initiates a war with Russia, Russia initiates transformation of the American military empire in the peaceful country that has formulated Vladimir Putin, in his speech on October 24, 2014.

9. Vladimir Putin at the UN General Assembly on September 28, 2015:

Harmony as Alternative to "New World Disorder". *Leo Semashko*

(Below are excerpts from the Vladimir Putin speech at the UN General Assembly. Full text: [18])

1. The undeniable importance of the United Nations and its development

"The United Nations is unique in terms of legitimacy, representation and universality....There have always been differences in the UN throughout the 70 years of its history....**Any action taken by circumventing this procedure is illegitimate and constitutes a violation of the UN Charter and contemporary international law**.... Of course, the world changes, and the UN should also undergo natural transformation. Russia is ready to work together with its partners to develop the UN further on the basis of a broad consensus, **but we consider any attempts to undermine the legitimacy of the United Nations as extremely dangerous**. They may result in the collapse of the entire architecture of international relations, and then indeed there will be no rules left except for the rule of force."

2. Export of "democratic" revolutions: source of violence and terrorism

"...export revolutions, only now these are "democratic" revolutions.... **Instead of bringing about reforms, aggressive intervention rashly destroyed government institutions and the local way of life. Instead of democracy and progress, there is now violence, poverty, social disasters and total disregard for human rights**, including even the right to life. I'm urged to ask those who created this situation: **do you at least realize now what you've done?** But I'm afraid that this question will remain unanswered, because they have never abandoned their policy, which is based on arrogance, exceptionalism and impunity....Power vacuum in some countries in the Middle East and Northern Africa obviously resulted **in the emergence of areas of anarchy, which were quickly filled with extremists and terrorists**... They get weapons and training, and then they defect and join the so-called Islamic State. In fact, the Islamic State itself did not come out of nowhere. It was initially developed as a weapon against undesirable secular regimes.... **We consider that any attempts to flirt with terrorists, let alone arm them, are short-sighted and extremely dangerous**. This may make the global terrorist threat much worse, spreading it to new regions around the globe, especially since there are fighters from many different countries, including European ones, gaining combat experience with Islamic State."

3. Russia against terrorism and proposes to join efforts against it

"Russia has consistently opposed terrorism in all its forms...**We should finally admit that President Assad's government forces and the Kurdish militia are the only forces really fighting terrorists in Syria**... What we actually propose is to ... create a genuinely broad international coalition against terrorism. Similar to the anti-Hitler coalition, it could unite a

broad range of parties willing to stand firm against those who, just like the Nazis, sow evil and hatred of humankind.”

4. Refugees and restoring ruined statehood

“Refugees undoubtedly need our compassion and support. However, the only way to solve this problem for good is to restore statehood where it has been destroyed, to strengthen government institutions where they still exist, or are being re-established, to provide comprehensive military, economic and material assistance to countries in a difficult situation, and certainly to people who, despite all their ordeals, did not abandon their homes. Of course, any assistance to sovereign nations can, and should, be offered rather than imposed, in strict compliance with the UN Charter.”

5. The key task – ensuring global peace

“Ensuring peace and global and regional stability remains a key task for the international community guided by the United Nations. We believe this means creating an equal and indivisible security environment that would not serve a privileged few, but everyone. Indeed, it is a challenging, complicated and time-consuming task, but there is simply no alternative.” (This work demands global peace science and Int. Academy for its development – LS).

6. Refusal from military blocs and the confrontation

“Sadly, some of our counterparts are still dominated by their Cold War-era bloc mentality and the ambition to conquer new geopolitical areas. **First, they continued their policy of expanding NATO** – one should wonder why, considering that the Warsaw Pact had ceased to exist and the Soviet Union had disintegrated. Nevertheless, NATO has kept on expanding, together with its military infrastructure. **Next, the post-Soviet states were forced to face a false choice between joining the West and carrying on with the East.** Sooner or later, this logic of confrontation was bound to spark off a major geopolitical crisis.”

7. The situation in Ukraine

“And that is exactly what happened in Ukraine, where the people's widespread frustration with the government was used for instigating **a coup d'état from abroad. This has triggered a civil war.** We are convinced that the only way out of this dead end lies through comprehensive and diligent implementation of the Minsk agreements of February 12th, 2015. **Ukraine's territorial integrity cannot be secured through the use of threats or military force,** but it must be secured. The people of Donbas should have their rights and interests genuinely considered, and their choice respected; they should be engaged in devising the key elements of the country's political system, in line with the provisions of the Minsk agreements. Such steps would guarantee that Ukraine will develop as a civilized state.”

8. Economic sanctions are contrary to the market economy

“Unilaterally imposed sanctions circumventing the UN Charter have all but become commonplace today. They not only serve political objectives, but are also used for eliminating market competition....A number of nations have chosen **to create exclusive economic associations....This is fraught with utterly unbalancing global trade** and splitting up the global economic space.”

9. The policy of harmonization as the opposite to policy of exclusivity

“Contrary to the policy of exclusion, Russia advocates **harmonizing** regional economic projects.... As an example, I would like to cite our plans to interconnect the Eurasian Economic Union with China's initiative for creating a Silk Road economic belt. We continue to see great promise **in harmonizing the integration vehicles** between the Eurasian Economic Union and the European Union.”

10. Harmony: qualitatively different approach to restore balance with nature

“One more issue that shall affect the future of the entire humankind is climate change. It is in our interest to ensure that the coming UN Climate Change Conference that will take

place in Paris in December this year should deliver some feasible results.... However, I suggest that we take a broader look at the issue. Admittedly, we may be able to defuse it for a while by introducing emission quotas and using other tactical measures, **but we certainly will not solve it for good that way. What we need is an essentially different approach**, one that would involve introducing new, groundbreaking, nature-like technologies that would not damage the environment, but rather work **in harmony with it, enabling us to restore the balance** between the biosphere and technology upset by human activities. It is indeed a challenge of global proportions. And I am confident that humanity does have the necessary intellectual capacity to respond to it. We need to join our efforts, primarily engaging countries that possess strong research and development capabilities, and have made significant advances in fundamental research.” (A significant advance of the fundamental research is the global peace science – LS).

11. Confidence of Russia

“Russia is confident of the United Nations' enormous potential, which should help us **avoid a new confrontation and embrace a strategy of cooperation**....I am convinced that by working together, we will make the world stable and safe, and provide an enabling environment for the development of all nations and peoples. Thank you.”

The GPS Editor in Chief commentary. Comparing the two speeches of Vladimir Putin – at the Valdai forum and to the UN General Assembly with an interval of almost a year, we see that their peaceful and peacemaking constructive nature has not changed, but there was a shift toward the positive emphases of international cooperation within the UN. In Russian politics, such cooperation includes many trends: creation of a broad coalition against terrorist "Islamic state", global politics of peace, global economy and trade and global ecology. System elements of Russian peace policy aimed at ensuring, strengthening and development of the post-war world order. In contrast, the US aggressive policy of diktat and global export of "democratic" revolutions turned with poverty, violence, social disaster and violation of the right to life of many peoples. This policy was identified by a prominent American scholar Noam Chomsky as the "new world disorder" (see para. 9.23).

In Putin's speech at the UN GA was formulated especially important and consonant with GPS unprecedented political focus of HARMONY as global peacemaking trend in its two key dimensions: economic and environmental. In the economic sphere, "Russia advocates **harmonizing** regional economic projects" and "**harmonizing** the integration vehicles". It is opposed to the US policy of **exclusivity as the disharmony generating aggression and war**. In the environmental direction, Russia is looking for "**an essentially different approach**," that do not cause damage to the surrounding world, and "work **in harmony with it, enabling us to restore the balance** between the biosphere and technology upset by human activities. It is indeed a challenge of global proportions.” To answer this challenge, humanity really has intellectual potential and an unprecedented advance of such fundamental science as GPS. This science ensures building a harmonious society and achieving global peace in it, without which there can be neither economic nor environmental harmonization.

Therefore, a priority task to approach to them becomes establishment of the International Academy of Global Peace by the BRICS countries to develop fundamental science – GPS (see below about this Academy). This is logically inevitable conclusion from the Putin's speech, in which harmony is defined as a source of peace and an alternative to war and the aggressive policy. This speech describes the author as the creator of global peace from harmony, to whom this science is needed for the unprecedented mission of Russia. Comparing both Putin's speeches we have to emphasize the peacemaking vector of development of his thinking: if in the first speech he used the concept "harmony" only once, in the second speech, he used it three times. Using this concept marks a peacemaking mindset, and its absence, as in the Obama's speeches – indexes aggressive thought.

10. Vladimir Putin: The Right Choice is Choice in Favor of Peace.

Valdai Forum Speech 2015. *Leo Semashko*

The GPS Editor in Chief note. We continue the tradition of our analysis of the Russian President Vladimir Putin key speeches – now at a meeting of the Valdai Club October 22, 2015 [19], which took place almost exactly a year after his previous performance on it. Since Putin has virtually repeated his previous conclusions, we will review his new speech briefly.

1. Questions of War and Peace are Central

“This year the discussion focusses on issues of war and peace. This topic has clearly been the concern of humanity throughout its history....**True, peace, a peaceful life have always been humanity’s ideal.** State figures, philosophers and lawyers have often come up with models for a peaceful interaction between nations....Meanwhile peace, as a state of world politics, has **never been stable and did not come of itself.** Periods of peace in both European and world history were always been based on securing and maintaining the existing balance of forces.”

Comment: This is militaristic peace, peace from war and not peace from social harmony as reasonable established peaceful coexistence and cooperation among nations and peaceful resolution of all conflicts between them, the way to which opens GPS.

“With the appearance of nuclear weapons, it became clear that there could be no winner in a global conflict. **There can be only one end – guaranteed mutual destruction.** It so happened that in its attempt to create ever more destructive weapons humanity has made any big war pointless.”

2. Competition between Nations outside Norms is Source for War Risks

“Attempts to promote a model of unilateral domination, as I have said on numerous occasions, have led to an imbalance in the system of international law and global regulation, which means there is a threat, and political, economic or military competition may get out of control....A growing number of regional conflicts.... This can also lead to the probable downfall of the system of non-proliferation of weapons of mass destruction (**which I also consider to be very dangerous**), **which, in turn, would result in a new spiral of the arms race.** We have already seen the appearance of the concept of the so-called disarming first strike, including one with the use of high-precision long-range non-nuclear weapons comparable in their effect to nuclear weapons. The use of the threat of a nuclear missile attack.... has **destroyed the fundamental basis of modern international security** – the Anti-Ballistic Missile Treaty. **The United States has unilaterally seceded from the treaty....** It was about an attempt to destroy the strategic balance, to change the balance of forces in their favour not only to dominate, but to have the opportunity **to dictate their will to all:** to their geopolitical competition and, I believe, to their allies as well. **This is a very dangerous scenario,** harmful to all, including, in my opinion, to the United States. **The nuclear deterrent lost its value.... In the past 25 years, the threshold for the use of force has gone down noticeably.** The anti-war immunity.... has become weaker. **The very perception of war has changed:** for TV viewers it was becoming and has now become an entertaining media picture,....”

Comment. Because the governments orient the media for the war, because the government does not exist strong scientific and spiritual alternative of peacebuilding, for creation of which is required the GPS fundamental scientific base.

“Unfortunately, **military terminology is becoming part of everyday life.** Thus, trade and sanctions wars have become today’s global economic reality... The goal is obvious – to reformat the world economy in a way that would make it possible **to extract a greater profit from domination....[that] not make the world safer,**...only compromise can lead to the creation of a long-term system of relations in any sphere, including the economy....**As you know, our approach is different....** While creating the Eurasian Economic Union.... We are actively working on the basis of equality in BRICS, APEC and the G20.”

3. Information war

“The global information space is also shaken by wars today, in a manner of speaking. **The ‘only correct’ viewpoint and interpretation of events is aggressively imposed on people, certain facts are either concealed or manipulated.** We are all used to labeling and the creation of an enemy image.... [they – USA/NATO] **are now trying to prevent the spreading of objective information and any opinion that differs from their own; they declare it hostile propaganda** that needs to be combatted, clearly using undemocratic means. Unfortunately, we hear the words war and conflict ever more frequently when talking about relations between people of different cultures, religions and ethnicity.”

4. Military Power as Instrument of Politics

“Colleagues, we must be realistic: **military power is, of course, and will remain for a long time still an instrument of international politics.**

Comment. Of course, if we this power will not touch, if it is fed on huge military budgets, if you do not think about peace and its scientific and financial maintenance, if you excluded peace and peacebuilding scientific approach, then yes, the war will remain a perpetual policy instrument while it does not destroy humanity. Military power in politics is a sign of weakness of the human mind. Military power will be an instrument of politics as long as it is not armed power of mind – Global Peace Science (GPS). With the help of this science humanity is capable during 50–70 years – by the 21st century end – to finish off the wars and military power as instrument of international policy.

“Good or bad, this is a fact of life. The question is, will it be used only when all other means have been exhausted? When we have to resist common threats, like, for instance, terrorism, and will it be used in compliance with the known rules laid down in international law. **Or will we use force on any pretext, even just to remind the world who is boss here, without giving a thought about the legitimacy of the use of force and its consequences, without solving problems, but only multiplying them...**”

5. The Danger of Terrorism

“A terrorist organisation, the so-called Islamic State, took huge territories under control... Is anyone considering this? It is time the entire international community realised what we are dealing with – it is, in fact, **an enemy of civilisation and world culture that is bringing with it an ideology of hatred and barbarity, trampling upon morals and world religious values,** including those of Islam, thereby compromising it. We do not need wordplay here; **we should not break down the terrorists into moderate and immoderate ones....** Why is it that the efforts of, say, our American partners and their allies in their struggle against the Islamic State has not produced any tangible results? Obviously, this is not about any lack of military equipment or potential. **Clearly, the United States has a huge potential, the biggest military potential in the world, only double crossing is never easy.... It is impossible to combat terrorism in general if some terrorists are used as a battering ram to overthrow the regimes that are not to one’s liking** We understand quite well that the militants fighting in the Middle East represent a threat to everyone, including Russia.... That is why we made our suggestion to create a broad anti-terror coalition, which I recently voiced in my speech at the United Nations.”

6. Russian Military Operation in Syria and Political Settlement

“After Syria’s official authorities reached out to us for support, we made the decision to **launch a Russian military operation in that nation.** I will stress again: **it is fully legitimate and its only goal is to help restore peace....** Here is what we believe we must do to support long-term settlement in the region, as well as its social, economic and political revival. First of all, **free Syria and Iraq’s territories from terrorists and not let them move their activities to other regions.** And to do that, we must join all forces.... **At the same time, joint anti-terrorist action must certainly be based on international law.** Second, **it is obvious that a military victory over the militants alone will not resolve all problems, but it will create**

conditions for the main thing: a beginning of a political process with participation by all healthy, patriotic forces of the Syrian society. It is the Syrians who must decide their fate.... We need to distinguish clearly between **genuine Islam, whose values are peace, family, good deeds, helping others, respecting traditions, and the lies and hatred that the militants sow under the guise of Islam....** We currently need to develop a roadmap **for the region's economic and social development, to restore basic infrastructure, housing, hospitals and schools.** Only this kind of on-site creative work **after** eliminating terrorism and reaching a political settlement can stop the enormous flow of refugees to European nations and return those who left to their homelands. It is clear that Syria will need massive financial, economic and humanitarian assistance in order to heal the wounds of war....”

7. Cooperation for Choice of Peace

“We see that contacts are being gradually established between military departments within the anti-terrorist operation framework, although not as actively and quickly as we might like. Approval of the Russian-American document on safety guidelines for the two countries’ military aircraft flying missions over Syria is a serious step in the right direction. We are also close to starting an exchange of information with our western colleagues on militants’ positions and movements. All these are certainly steps in the right direction. **What’s most important is to treat one another as allies in a common fight, to be honest and open. Only then can we guarantee victory over the terrorists.** For all the drama of its current situation, **Syria can become a model for partnership in the name of common interests....** I am confident that the experience we acquired and today’s situation will allow us to finally **make the right choice – the choice in favour of cooperation, mutual respect and trust, the choice in favour of peace.** Thank you very much for your attention. (Applause.)”

(English translation of the following three points in the verbatim record is not available. Therefore, we offer our translation of these items below. – L.S.)

8. Economy or Harmony?

"The role and importance of any state in the world will depend on the level of economic development of a country. On how this economy is a modern, forward-looking, as it is based on the latest technologies, how fast it will move to the new technological order.... **The basis of all is, of course, the economy and its development, economic growth on a new technological base."**

Comment. In a speech at the UN General Assembly Vladimir Putin stressed another idea – the idea of harmonization of economies of various countries and **the need for a new approach to ensure "harmony" with nature.** The thesis about determining role of economy is traditional for the Marxist and liberal ideologies, which have shown their inability to solve the most acute global problems – poverty, peace, ecology, etc. Therefore, on the change of priority of economy in society is a priority of harmony among all spheres of society, including economy, the development of which depends rather from harmonization of its internal and external relations with other spheres and nature than from technological order. This idea is close to Putin also, who spoke about it at the UN General Assembly.

9. Impetus to Develop Science

"We are more and more attention to not only the revival of science, fundamental and applied, but also give new impetus to the development of these important areas."

Comment. The new impetus for the development could become a fundamental GPS, which its key ideas of social harmony and global peace is able to raise the science, especially social, but not only, to principally new level of development. GPS opens up opportunities for completely unknown to all spheres: economic, social, information technology, political organization, especially democracy and ecology – relationship with nature, if it will receive the support and development. To this is dedicated our GPS book. In developing this science as a priority, Russia will get fundamentally new competitive advantage.

10. The Reason of Differences between Russia and West

"If you look at the reasoning of our thinkers, philosophers, representatives of the classical Russian literature, they see the causes of differences between Russia and the West in general,

in the broadest sense of the word, **in difference of worldviews**. And in part they are right. At the core of Russian worldview is the concept of good and evil, the higher divine power. At the heart of Western thought – interest, pragmatism, pragmatics I cannot refrain from certain critics, but when in the basis of current politics [of US] is a **kind of messianism and exclusivity**, we are difficult to engage in dialogue in this format, **because it really is a departure from our shared traditional values**, in base of which, of course, is **equality of all people** before the Creator."

11. Narendra Modi's Speech at the UNGA, 2015: Harmony for Peace & Sustainable Development, Creating a New World Order. *Subhash Chandra*

The present situation calls for a drastic strengthening of Global peace movement involving the entire Leaders' of the world. It's time to focus on 'Thinking together & working together' towards Global Peace Science (GPS) to save the Humanity through peace from harmony & Sustainable Development.

The UN officially adopted a new set of global goals on Friday 25th September 2015 to combat poverty, inequality and climate change over the next 15 years in the most comprehensive international effort ever to tackle the world's ills. The 17 development goals aim to fight climate change and ensure gender equality and education for all, among other things. The goals are expected to cost between \$3.5 trillion and \$5 trillion every year until 2030.

Prime Minister of India Narendra Modi addressed the UN Summit Sustainable Development on 26th September 2015 for the adoption of the Post-2015 Development Agenda & "**Committed to a sustainable path to prosperity that is rooted in our culture**": through peace from culture and harmony.

"Seventy years after the end of a tragic war and birth of a new hope for our age, we are meeting to chart a course for our humanity and our planet... We live in an age of unprecedented prosperity, but also unspeakable deprivation around the world" [20].

1. Poverty & Economic Development

"I am pleased that elimination of poverty in all forms everywhere is at the top of our goals. Addressing the needs of 1.3 billion poor people in the world is not merely a question of their survival and dignity or our moral responsibility. It is a vital necessity for ensuring peaceful, sustainable and just world. A great Indian thinker, Pandit Deen Dayal Upadhyay, **placed the welfare of the poorest at the centre of his thoughts**. This is what we also see in the 2030 Agenda.... Since Independence, we have pursued the dream of eliminating poverty from India. We have chosen the path of removing poverty by empowering the poor. We have placed priority on education and skill development. Our attack on poverty today includes expanded conventional schemes of development, but we have also launched a new era of inclusion and empowerment, turning distant dreams into immediate possibilities: new bank accounts for 180 million; direct transfer of benefits; funds to the unbanked; insurance within the reach of all; and, pension for everyone's sunset years."

2. Sustainable Development & Peace

"The goals recognize that economic growth, industrialization, infrastructure, and access to energy provide the foundations of development. We welcome the prominence given to environmental goals, especially climate change and sustainable consumption. The distinct goal on ocean ecosystem reflects the unique character of its challenges and opportunities. Equally important, it focuses our attention on the future of the island states."

Comment. Peace is the key for holistic sustainable development & path of prosperity. Peace is the foundation of development, growth, prosperity & stability. Global Peace science is the science of peace humanity so that it can be freed from the poverty and threat of new wars and ensures sustainable peace.

3. Our Basics

“We are focusing **on the basics: housing, power, water and sanitation for all – important not just for welfare, but also human dignity**. These are goals with a definite date, not just a mirage of hope. Our development is intrinsically linked to empowerment of women and it begins with a massive programme on educating the girl child that has become every family's mission. We are making our farms more productive and better connected to markets; and, farmers less vulnerable to the whims of nature. We are reviving our manufacturing, improving our services sector, investing on an unprecedented scale in infrastructure; and, making our cities smart, sustainable and engines of progress. **We are committed to a sustainable path to prosperity**. It comes from the natural instinct of our tradition and culture. But, it is also rooted firmly in our commitment to the future.”

4. Our Planet Mother Earth

“We represent a culture that calls our planet Mother Earth. As our ancient text say: "Keep pure! For the Earth is our mother! And we are her children!" **Our national plans are ambitious and purposeful**: new capacity of 175 GW of renewable energy over the next seven years; energy efficiency; a tax on coal; a huge afforestation programme; reforming our transportation; and, cleaning up our cities and rivers. The energy intensity of our growth will continue to decline. Sustainable development of one-sixth of humanity will be of great consequence to the world and our beautiful planet. It will be a world of fewer challenges and greater hope; and, more confident of its success.”

5. The World as One Family, International Partnership & Climate Justice

“Our success will give us more resources to share with our friends. As India's ancient saying goes, the wise look at the world as one family. Today, India is fulfilling its responsibilities as development partners in Asia and Africa and with small island states from the Pacific to the Atlantic. Nations have a national responsibility for sustainable development. They also need policy space. However, we are here today in the United Nations because **we all believe that international partnership must be at the centre of our efforts**, whether it is development or combating climate change. And, **the principle of common but differentiated responsibilities** is the bedrock of our collective enterprise. When we speak only of climate change, there is a perception of our desire to secure the comforts of our lifestyle. **When we speak of climate justice, we demonstrate our sensitivity and resolve to secure the future of the poor from the perils of natural disasters....** We should forge a global public partnership to harness technology, innovation and finance to put affordable clean and renewable energy within the reach of all. Equally, we must look for changes in our lifestyles that would make us less dependent on energy and more sustainable in our consumption. It is equally critical to launch a global education programme that prepares our next generation to protect and conserve Nature. I hope that the Developed World will fulfill its financing commitments for development and climate change, without in any way putting both under the same head!... We must transform international partnerships on the strength of solidarity with fellow human beings and also our enlightened self-interest. And, we must also reform the United Nations, including its Security Council, so that it carries greater credibility and legitimacy and will be more representative and effective in achieving our goals.”

6. Our Peace Future

“There is no cause greater than shaping a world, in which every life enters it can look to a future of security, opportunity and dignity; and, where we leave our environment in better shape for the next generation. And, no cause that is more challenging. At 70, we are called to rise to that challenge, with our wisdom, experience, generosity, compassion, skills and technology. I am confident that we can.”

Comment. The Post-2015 Development Agenda focuses on solving many problems. Modi told that today we are here to decide on the new direction for the humanity & making efforts towards developing a Peaceful Society & Peaceful Planet through harmonious thinking & harmonious education. India is a nation where not it not only strives for itself but for the prosperity and integrity of all the nations. “Lets us all work towards delivering on promises made. We should all combine our efforts towards making the world a better place both economically and socially.” It is ‘Vasudheva Kutumbakam’ World as one Family creating a Peaceful Society & Peaceful Planet through Global Peace Science. GPS is the science of peace, justice and sustainability from harmony. GPS is a sustainable movement to them through harmonious thinking & harmonious education, to be free from poverty, violence and wars. It is victory of peace over war in the 21st century.

Dr. Subhash Chandra, GHA Secretary General; **Address:** Gurgaon (Haryana), India.
Web: http://peacefromharmony.org/?cat=en_c&key=583 **E-mail:** schandra101@gmail.com

12. BRICS as Prototype of the Future World Order

Gevorg Mirzayán, Nikolay Surkov

As Russia prepares to hold the BRICS summit in Ufa, among other issues up for discussion will be the future course of the organization. Russian analysts speak to RIR (Russia and India Report) about what lies ahead for BRICS and why this “interest group” has begun to play such a major role in Moscow’s foreign policy.

Having emerged as a purely formal organization for rapidly developing countries which were attractive for western investors, the BRIC bloc, later BRICS, has become a club for states which are united not only by their economic indicators, but also their general position in the international environment. One of the main factors consolidating the five member states of the bloc was the sense of “under-representation in western-centric international organizations”, said Dmitry Suslov, deputy director of the Faculty of World Economy and Politics at the Higher School of Economics.

Future of the bloc. The main goal of the organization is **to actually shift towards a multi-lateral world in which international law is respected.** According to Sergey Ryabkov, Deputy Minister of Foreign Affairs, “*BRICS is the personification of network diplomacy in the best way of understanding the term.*” The activities of the association are based not on the dictates of a single country but on the basis of a consensus.

The evolution of BRICS was not initially aimed at the establishment of alternative instruments for global governance, but for strengthening of already existing instruments, explains Dmitry Suslov. “*In so far as the West does not want to share its dominant position and use it for international political goals (as is clear from the sanctions applied to Russia), BRICS has started establishing parallel international structures. We are not talking about replacing, for example, the World Bank with the BRICS Development Bank, but about the foundations of global governance fitting together*”, he said.

On the way to achieving its specified goals, BRICS will not evolve into a fully-fledged, centralized organization, said Sergey Veselovsky, Associate Professor at the Department of Global Processes. “*So far, not a single country in the organization is prepared to take up the formal burden of its economic and political leadership, drawing the other countries around it*”, he explained. It will not be a bloc, which will move towards horizontal integration along the lines of the European Union.

“*BRICS in no way can be integrated, for a number of reasons. Beginning with the fact that the member states are located a huge distance from each other, and concluding with the fact that the main feature of all the member states is their very keen sense of sovereignty and freedom of action*”, said Fedor Lukyanov, the editor of Russia in Global Affairs.

According to Suslov, BRICS is unlikely to take steps towards institutionalization, and is most likely to retain the forum with a rotating chairmanship. However, to increase the effectiveness of

the current format, the organization should increase coordination in all areas, believes Academician Georgy Tolaray. *“To coordinate foreign policy positions, it is necessary to begin by signing a declaration on the guiding principles for BRICS countries; something like the ASEAN Bali Concord. It is also necessary to propose an international five party commission at the deputy prime ministerial level to coordinate economic cooperation,”* said Tolaray.

Why BRICS for Russia? Given the enormous potential of BRICS; the five member countries make up 40% of the earth’s population, and their total GDP is more than 20% of the global GDP; Russia attaches great importance to its participation in the organization. Moscow itself plays an important role in the block. *“Although Russia is not the most economically powerful country in BRICS, it creates cohesion in the group. Firstly, Russia is the only member state which has friendly relations with all the other countries,”* said Suslov. *“Secondly, Russia is the only member state which is considering the establishment of a new system. Russian strategic thinking fits the existence of BRICS into an ideological framework.”*

In the context of new disagreements with the West, BRICS has become especially important for Moscow, **because this association can be a tool to reform the global system as a whole and not just its economic component.** For this reason, Russia has initiated a discussion on security issues within the BRICS format and its partners, concerned with growing instability in the world, have supported this initiative. At the end of May, Moscow hosted a meeting of deputy foreign ministers from BRICS countries, devoted to the situation in the Middle East.

It is not only Russia which considers the transition of BRICS into a geopolitical forum to be sensible. At the last Academic Forum of BRICS in Moscow on 22–23 May, Ambassador HHS Viswanathan, head of the Indian delegation at the BRICS Academic Forum and at the Consortium of Expert Centres, said, *“No single country can unilaterally deal with global challenges,”* and *“a change in the international order is imminent.”*

Nandan Unnikrishnan, vice-president of the Indian think tank Observer Research Foundation told the RIA Novosti news agency at a press conference that *“it is time [for BRICS] to go beyond the economic bloc.”*

Olive Shisana, the representative from South Africa, noted that experts from the five countries identified five areas of activity for BRICS as part of consultations: the economy, security, social justice and quality of life, public administration and innovation. *“BRICS is a very important tool that will offer alternative ways of global governance,”* Shisana said [20a].

Gevorg Mirzayan, researcher, Institute of USA and Canada, Moscow, Russia

Nikolay Surkov, Professor, Moscow State Institute of International Relations, Russia

13. BRICS’ Priority: To Strengthen International Peace and Security

Leo Semashko

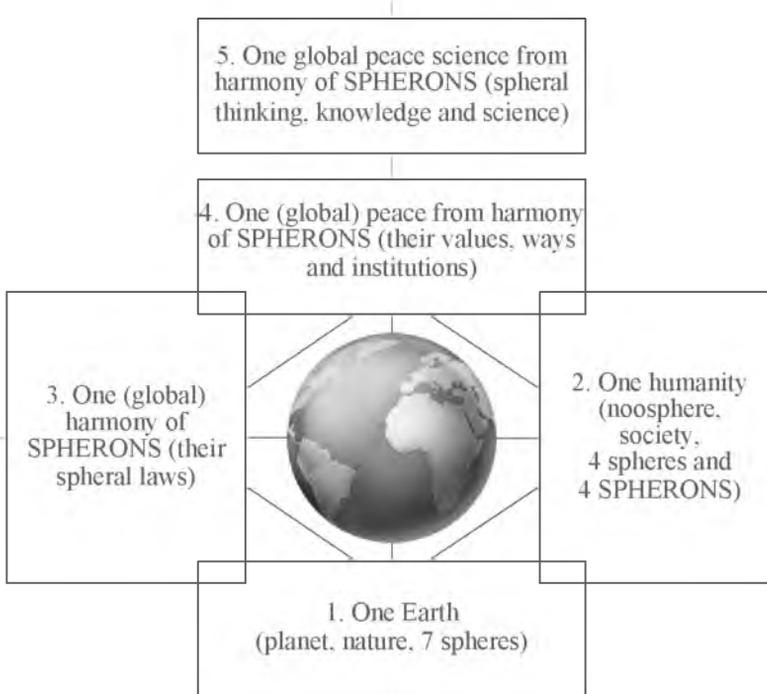
The strategy, politics and priorities of BRICS and SCO express intuitively the inexorable objective tendency of humanity in the unity of its SPHERONS (harmonious spherical classes of the population in its deep social structure) to global peace. Vladimir Putin, in his final press conference on the BRICS summit July 10, has identified the driving forces, methods and ultimate aims of this trend:

“We’ll use all instruments of cooperation with all countries ... primarily develop relations with those countries that want to cooperate with us. The BRICS countries ... are powerful states with a strategic prospect of development. They are leaders – the future leaders of the world and the global economy. Look at their human and natural resources and potential; look at their growth rates. So I’m confident that new instruments of cooperation will appear. They will have a favourable influence on the citizens of our countries and we’ll live in a world that will be more balanced, more safe and prosperous”[21].

This trend in accordance with the BRICS priority "*To Strengthen International Peace and Security*" is opposed to militaristic aspiration of the ruling elite in the USA/NATO global military bloc to violent conservation its world hegemony through their traditional institutions of domination: the armed forces with 800 military bases with nuclear weapons throughout the world, bondage financial-monetary order of the dollar/euro, the global net of information spy shadowing, which together provide the world system of exploitation. In this system, the rich are getting richer and the poor – increasingly poor that clearly showed the example of Greece and similar countries, whose population is forced to die in the economic snare of the USA/NATO ruling class trampling with financial violation the people democratic choice. This happened in Greece, where the people in a referendum rejected this violence but its democratic choice was again suppressed.

The trend of BRICS and SCO shows another way: nonviolent, harmonious and truly democratic out of the traditional system of global economic and military violence. The trend of BRICS and SCO shows another way: nonviolent, harmonious and truly democratic out of the traditional system of global economic and military violence. For example, for Greece it is, first of all, output of the NATO military bloc and gradual rejection from military spending tens of billions of euros: **Why peaceful Greece must pay US militarism, itself is dying in hunger?** The BRICS example suggested alternative (see 8.25).

The BRICS intuitive alternative finds a scientific explanation in Global Peace Science (GPS), in its laws and discovered in it actors of global peace from harmony – SPHERONS, composing its subject area and presented in the following **tetranet model**:



The model detailed scientific substantiation is presented here: [21a] and in the book "Global Peace Science". This new science opens for all countries and nations the conscious and

democratic way to join to the BRICS alternative ensuring global peace as the full and nonviolent security, social harmony (balanced world) and prosperity.

Dr. Leo Semashko, Editor in Chief, *Global Peace Science* (GPS)

14. The GHA Message to BRICS Leaders: Establish Academy of Global Peace (IAGP) to Achieve Peace through Science. *GPS 136 coauthors*

More than 130 co-authors of GPS from 33 countries are guided by the BRICS' proclaimed priority "**To Strengthen of International Peace and Security**" [22] message to the leaders of the BRICS and other peaceful states to establish an International Academy of Global Peace (IAGP) to achieve peace through science. The Message is published in abbreviated form, it is completely published here [23].

TO:

President of Russia – Mr. Vladimir Putin

Prime Minister of India – Mr. Narendra Modi

President of the People's Republic of China – Mr. Xi Jinping

President of Brazil – Ms. Dilma Rousseff

President of South Africa – Mr. Jacob Zuma

President of Kazakhstan – Mr. Nursultan Nazarbayev

Prime Minister of Malaysia – Mr. Najib Razak and leaders of other peaceful states of the world.

The Global Harmony Association (GHA), which comprises more than 600 individual members from 65 countries and has created for 10 years of the peacemaking work the first in history version of "Global Peace Science" (GPS), presented in same name book on the Russian (2015) and English (2016) languages by more than 130 coauthors including the former President of India, Abdul Kalam, Nobel Peace Laureate Mairead Corrigan, pioneer of peace studies Johan Galtung and many other distinguished scholars and peacemakers.

CALLS YOU TO ESTABLISH

INTERNATIONAL ACADEMY OF GLOBAL PEACE (IAGP)

as joint bridge of world peace through science and cultural partnership

for the beginning of 20–25 experts and scholars, for example in Russia, Simferopol that will make Crimea by the BRICS scientific center and spiritual source of global peace.

The IAGP Purposes are *development* of Global Peace Science (GPS) as innovative transformation of peace thinking, *training* of the professional peacemakers with Bachelor, Master and Doctor Degrees of Peacemaking Science (as, for example, at the Institute of World Harmony, which was created in India, in IASE University on the GHA initiative – see 8.21.) and *diffusion* of GPS.

The Method of GPS development is **democratic consolidation** in IAGP the scientific groups from different countries with different scientific approaches to peace. **The GPS option created in the GHA is initial and preliminary. The final version of GPS should be created in the IAGP**, which catalogs the different research groups and scientific approaches to peace, organize their international Contest (8.20.), international Congresses on their discussion and ensures **the synthesis of their constructive advantages in the final version of GPS**. It is a huge and long-term work that can be done only in IAGP. The IAGP Project and its broad scientific and cultural substantiation are presented in our GPS book [24].

IAGP Vision: Creating a new multipolar and harmonious/balanced world order excluding the war to ensure peace and prosperity to all nations.

IAGP Implementation: Joint projecting and investment (both: state and business) in construction of the IAGP building in Crimea and the joint formation of the IAGP staff.

Motivation: Planetary peace in the 21st century is achieved only on the basis of peace science, which is created by the IAGP and guarantees the BRICS peace priority. (For more details about motivation see 8.4.).

This science integrates the spiritual potential of humanity peacefulness of all its nations, cultures and civilizations on the innovative theoretical foundation as shown in our book.

We all together with you see that peace in our time is as fragile as it was 100 years ago – in 1914, as 75 years ago – in 1939, before the two world wars of the most bloody 20th century. Humanity is once again on the verge of world war but now nuclear, unprecedented in its victims, which will be calculated into billions if it will survive generally. War constantly wins peace because it has **one absolute advantage – military science**, science of killing by the most sophisticated weapons of mass destruction. This science was established more than two centuries ago and since then all governments cherish it with the fattest military budgets. Now the governments and nations do not know how to escape from it, released to freedom, military jinn. War begins with the head, with science. **Put an end to them can also only by reason and science that Einstein said else.**

But in contrast to war, peace is still deprived of own science that does not allow to strengthen it with stable social consciousness, free from tearing subjectivity of many different approaches to peace. Scientific understanding of peace will free it from its historical weakness, raise it at the current level, strengthen spiritually and provide it with decent support and funding of all states.

Only with the help of this science humanity can be freed from the threat of new wars and ensure stable peace. All the tools of peace: Peace-building departments in governments, peace education, culture of peace, interfaith harmony, disarmament, Planetary Constitution, democracy, economic justice, peace journalism, international law, peaceful resolution of conflicts and the like can be effective only in a single complex with GPS.

The first practical step towards global peace based on science is IAGP creating. **It is the historical mission and task of the BRICS, which you are able to decide to bring humanity to peace and rid it from the new and catastrophic wars. This saving for peace cultural and humanitarian initiative can arrive only from you** as leaders of a peaceful global community. Another way to global peace does not exist. If there would another way, then peace would have reigned on the planet long ago. Therefore, it is necessary to fill the absence of this key condition for peace – the science – by collective democratic efforts in the IAGP.

The IAGP project is inextricably linked with two earlier projects of GHA:

1. World Harmony/Peace Academy (WHPA, 2008) [25] and
2. World Harmony Center (WHC, 2013) by Ukrainian architect Oleg Bodnar [26].

All three projects can find integral incarnation and the most convenient location in the Crimea, Simferopol as a university city, which will become the BRICS world academic center and symbol of global peace from harmony on the scientific foundation.

Sincerely, **Global Peace Science coauthors**, your confederates in peace:

(At the GHA suggestion the first twenty coauthors from 13 countries in the list below are the IAGP ‘thinking tank’ whose composition can vary).

1. Dr. Leo Semashko, GHA President, GPS Editor, Philosopher and Sociologist, Russia
2. Julia Budnikova, Expert in Roerich creativity, President, GHA-Russia
3. Yuri Tsimbalist, Engineer and Writer, Russia
4. Dr. Subhash Chandra, Educator, GHA Secretary General, India
5. Dr. Surendra Pathak, Linguist, President, GHA-India
6. Dr. Narayanam N. Murthy, Environmentalist, India
7. Delasnieve Daspert, Peacemaker, Brazil
8. Mairead Maguire, Nobel Peace Prize (1976), Nobel Women's Initiative, Ireland
9. Dr. Stephen Mennell, Professor Emeritus, University College Dublin, Sociologist, Ireland
10. Dr. Johan Galtung, Professor of Peace Studies, Sociologist, Germany

11. Dr. Uraz Baimuratov, Academician, National Academy of Sciences, Economist, Kazakhstan
12. Dr. Roger Kotila, Psychologist, USA
13. Dr. Rudolf J. Siebert, Professor of Religion and Society, USA
14. Dr. Kurt Johnson, Biologist, USA
15. Dr. Francois Houtart, Professor Emeritus, Catholic University Louvain, Sociologist, Belgium
16. Ayo Ayoola-Amale, President GHA-Africa, Lawyer, Ghana
17. Heli Habyarimana, GHA Vice-president, Linguist, Rwanda
18. Dr. Robert J. Burrowes, Researcher of human violence, Sociologist, Australia
19. Dr. Gopala Krishnan, Historian, President, GHA-Malaysia
20. Dr. Bishnu Pathak, Political Scientist, Nepal
21. Dr. Charles Mercieca, President, Int. Ass. of Educators for World Peace, Historian, USA
22. Kanakmal Dugar, Chancellor, the IASE University of Gandhi, India
23. Dr. A.K. Merchant, National Trustee, Lotus Temple & Baha'i Community of India
24. Dr. Subhash Sharma, Director, Indus Business Academy, Economist, India
25. Dr. Norman Kurland, President, Center for Economic and Social Justice, Economist, USA
26. Dr. Justo Bolekia Boleka, Professor of French Studies, University of Salamanca, Spain
27. Reimon Bachika, Professor Emeritus, Bukkyo University, Sociologist, Japan
28. Dr. Ernesto Kahan, GHA Vice-President; Prof. Emeritus, Tel Aviv Un-ty, Physician, Israel
29. Takis Ioannides, GHA Vice President, Writer, Greece
30. Dr. Chinta M. Yogi, Founder, Society for Value Education, Teacher, Nepal
31. Adolf Shvedchikov, Chemist, Writer, Russia
32. Guy Crequie, Peacemaker, Writer, France

And other the GPS coauthors. The full list of more than 130 coauthors from 33 countries is here [27].

15. Departments of Global Peace (DGP) (or Peacebuilding Departments) in the BRICS Governments and their Goals. *Leo Semashko*

The BRICS countries are 42% of the world's population. 26% of the world's land territory and the 27% of the world's GDP [22]. The BRICS main priority "*To Strengthen International Peace and Security*" cannot be achieved not only without the BRICS **International Academy of Global Peace (IAGP)** but also without the **Federal Agency for Global Peace or the Peacebuilding Department or simply Peace Department in the governments of each country in BRICS**. All three terms are identical in their meaning and will be used below, but with a preference for very brief term Peace Department and its abbreviation: PD. The PDs creating is the second challenge for the BRICS after establishment of IAGP, because without a general science, developed in IAGP, the governmental Peace Departments will be deprived of the necessary theoretical and informational foundations for their decisions and actions, on both national and joint globally levels. The need for specific PDs is associated with the unique conditions, opportunities, resources and contributions of each BRICS country to achievement of global peace. Of course, the PDs can create own control headquarters to coordinate the peacebuilding actions in the international arena. The PDs establishing in the BRICS governments is possible in the framework of various organs, such as the Ministries of Foreign Affairs or the Security Councils or the others but with a finite direct subordination to BRICS heads of states-members.

The idea of PD intended to solve the tasks of peace at the national and global levels, is not new. More than two centuries history of this idea from its initiation in 1793 by Dr. Benjamin Rush, one of the US founding fathers up to the last, the twelfth attempts of its legislative embodiment by the Congressman Democrat Barbara Lee in 2013 is briefly outlined in chapter (8.3). **The PD sad history in the USA is endless because its militarist and aggressive policy is incompatible with peace and hostile to it.** It is recognized by the American peacemakers: "*at the US government is not a platform to seriously fight for peace*", but they are trying, in spite of the absurdity, to fasten the PD one or another side to Pentagon [28], which tramples peace. More abuse over peace is hard to think. The PD is not logical in the USA militarist

government as global aggressor that showed the history of two centuries but it is logical into peaceful governments of Russia, BRICS and other states in our time, when the global aggression approached close to the brink of a new world war, now already nuclear.

Today there are only 4 governments (Costa Rica, Solomon Islands, Australia and Nepal) of more than 200, which created Peace Departments. But they are devoting the scientific support, so their efficiency is close to zero. They, like all traditional peacemaking organizations of the last century, were unable to stop or prevent at least one war and had virtually no impact on the military government's decisions. Similar PDs are powerless to offer them the constructive peaceful alternatives. These PDs, actually, are stillborn institutions for global peace, though some of their ideas and actions can be useful for the updated PDs in BRICS.

The PDs tasks of the BRICS governments on the GPS base, in the first approximation, can be formulated as follows.

1. The ultimate goal of PD in perspective of the XXI century (to its end) is to achieve full victory for global peace of SPHERONS over war with general and complete disarmament, excluding all wars, and the creation of spiritual, political and economic mechanisms for the peaceful resolution of any conflicts, preventing them from escalating into armed conflicts and wars.

To achieve this objective, before the PDs and the peaceful governments is faced the task of system preparing necessary spheral resources and creation of integral infrastructure for global peace at the international and national levels. Therefore, the PD overall task is defined as follows:

2. The PD overall task is systemic preparation of the necessary spheral resources to create an integral infrastructure of SPHERONS' global peace at the international and national levels. This problem is concentrated in creation of **key infrastructure institute: the new International Peace Movement as core of the global peacebuilding front** (see 8.25) through GPS by combining peace organizations, their revival and creation of the new ones listed in Chapter 8 (Institutes for Global Peace). By initiating and heading the new peace movement from harmony through science and become leader of global peacebuilding front, BRICS overcomes the USA military might **by asymmetrical peaceful, nonviolent manner**, attracting to own side all the peaceloving humanity and forcing the USA to disarm with the disarmament of all countries of the world. This integral task incorporates complex of the following main specific tasks **in every sphere of society**, on both national and international levels, first of all within the BRICS framework:

In Infosphere (preparation of the first in time info resources)

1.1. **Development of Global Peace Science (GPS) as a universal scientific platform** for the PDs and global peacebuilding front in a joint International Academy of Global Peace (IAGP, see above and 8.4) through appropriate scientific contests (8.20).

1.2. **Preparation based on GPS through International Contest of the world textbook "Global Peace"** for educational institutions at all levels: school, college, university and Academy considering features of peace history and culture in every region and country with using new information technologies (IT).

1.3. **Preparation of detailed project for International Academy of Global Peace** based on GPS.

1.4. **Preparation of the Universal Peace Harmonious Education and Enlightenment Project** based on GPS involving institutions of science, religion, philosophy, arts and the media with the use of new IT.

1.5. **Preparation of the Road Map Project for Global Peace of XXI century** (see 8.24). (Other info tasks for the PDs are determined as needed of relevant info resources).

In Orgosphere (preparation of the first org resources including finance)

2.1. **Creating IAGP to develop GPS** in International democratic Contests (8.20) and the initiation of a recognition and support for GPS into the UN, UNESCO, G20 and other international organizations.

2.2. **Establishment of an international scientific group of authors** to prepare the world textbook "Global Peace" in the contest democratic format.

2.3. **Creating other institutions** of informational, organizational, educational and economic infrastructure for global peace, starting with Russia and BRICS.

2.4. **Determination of the annual volume of state and private capital investment** to finance the infrastructure institutions of global peace, starting with Russia and BRICS.

2.5. Creation of the International Fund of Peace from Harmony to finance all activities of the International peace movement and global peacebuilding front.

2.6. **Establishment of the BRICS International Committee of the annual Global Peace Prize of Nicholas Roerich for the outstanding contributions to global peace** in the 30–40 million rubles (instead of dollars but close to the Nobel Prize level). This award is an alternative to the Nobel Prize, which is focused on the USA. Awarding the Prize is carried out at homeland of Nicholas Roerich in St. Petersburg with a gold medal with a portrait of Roerich on one side and his Banner of Peace on the other. Handing it is on October 9, the day of his birth. This award will raise highly the peacemaking image of Russia and BRICS.

2.7. **Establishment of other institutions provided in Chapter 8.**

(Other org tasks for the PDs are determined as needed of relevant org resources).

In Sociosphere (preparation of the human resources)

3.1. **Preparation of scientists as masters, candidates and doctors of GPS** in the IAGP on the basic social sciences (Sociology of GPS, Statistics of GPS, Policy of GPS, Law of GPS, Economy of GPS, Education/Pedagogy of GPS, Demography of GPS, Philosophy of GPS, History of GPS, Psychology of GPS, and so) from the graduates of respective profiles.

3.2. **Preparing educators for teaching GPS** in educational institutions of all levels from the students of pedagogical universities respective profiles.

3.3. **Preparation of journalists to highlight the challenges of global peace** from the students of journalistic specialties of universities.

3.4. **Preparation of diplomatic and managerial personnel in the global peace area** from the students of relevant specialties of universities.

(Other personnel tasks of PDs are defined as the need of appropriate human resources).

In Technoecosphere (preparation and provision of material resources)

4.1. **Provision of material resources of the infrastructure institutions** of global peace, starting with Russia and BRICS.

4.2. **Development of specific examples of economic growth and economic efficiency** of global peace, starting with Russia and BRICS.

4.3. **Creating environmental samples of global peace**, starting with Russia and BRICS.

4.4. **The economic and technological transformations to meet the challenges** of global peace, starting with Russia and BRICS.

(Other economic and ecological tasks of PDs are defined as the need of appropriate material resources).

The presented draft of the PDs tasks in the BRICS governments, beginning with Russia – this is only their first version for further discussions and corrections. But it allows you to understand the deep political and humanist sense of the PDs establishment for modernization of the BRICS countries, in order to materialize their spiritual values of peace, consent and harmony, for the revival and development of the international peace leadership of the Soviet Union to a new level as alternative to the American military dictatorship in the world and **for conversion of BRICS in prototype of a multipolar and peaceful world order**. The Peace Departments will be innovative effective centers of management in the BRICS governments initiating intensification and modernization of all spheres of the country. Only a specific, long-term and coherent peacebuilding the BRICS governments through their PDs ensure the victory of peace over war in the XXI century and the transition to a peaceful history of mankind without war, transforming global peace and all the goods from it in the main source of economic growth and prosperity for all the peoples of the world. Therefore, establishing PDs in the BRICS governments **is the imperative of world history, the implementation of which would be beneficial, especially in the BRICS countries, providing them with all the advantages of global peace initiation**. This will bring up the BRICS on a new historical level.

The similar infrastructure of global peace will perform a number of other important functions:

1. **Try to involve the USA in contest of peace race**, which was offered still Martin Luther King to save the United States from its wars, **or** to show to the world how America resist to

peace by all means. This will ensure for BRICS, in any case, moral leadership, peace excellence and high international prestige.

2. **Respond to the central question: how BRICS and humanity can overcome nonviolently through the soft power of science the USA militaristic empire?** As is possible the victory of peace over war in XXI century? It is possible, as many say [30].

3. **Provide necessary development of the BRICS peaceful ideology and vision** that Alexander Nagorny well stressed for Russia: "*There is still much to do, including a fully formation of Russian ideological doctrine, which not only will bring our country to the path of democracy and creativity but also will form the basis of foreign policy course, attractive to the outside world*" [31]. A strong example for BRICS of such an ideology and vision is GPS.

This science in the BRICS PDs hands will equip the technology of soft power with hundreds of methods of nonviolent resistance and opposition to American/NATO militarism to overcome its global aggressiveness. These methods destroy the 200 color revolutions methods developed in the US by political scientist Gene Sharp [32], used by the CIA and Pentagon to overthrow unwanted governments of America. GPS allows you to create a much more effective methods of nonviolent struggle against US/NATO militarism and anyone but requires tremendous work of the PDs and IAGP.

Without a strong positive and humanist ideology, as shown by the sad experience of Ukraine, to resist the growth of xenophobia and Nazism is impossible. This ideology is proposed in GPS called HARMONISM under flag of the universal value of harmony, recognized by all cultures and civilizations. This ideology arms the BRICS governments and their PDs with unique, holistic and effective spiritual tool of building world peace. This ideology and the Peace Departments as its active conductors allow escape from a century-long passive policy of peace and to oppose to the active aggressive policy of militarism the active advanced policy of global peace, which now, in the eve of war, is most needed for BRICS.

It is only important to emphasize once again that without similar government body, without the PDs on scientific basis of GPS cannot be conscious and purposeful work of global peacebuilding as it did not exist until now.

Dr. Leo Semashko. Editor in Chief, *Global Peace Science* (GPS)

16. Global Peace Science in the BRICS Hands: Alternative to Nuclear War and Creating a Peaceful World Order. 4S Model. *Subhash Chandra*

The 21st century began with the United States world dominance as the sole superpower in the absence of the Soviet Union, with nuclear threat to humanity. It is the humanity's wake-up call. The present situation calls for a drastic strengthening of Global peace movement involving all the social, educational & political leaders of the world. The world of tomorrow cannot be tamed by the 'Culture of violence & war' but can be tamed only through the 'Culture of Peace from Harmony through Science'.

Therefore, if mankind is to survive, it must require from governments of the recognition, development and application of the SPHERONS' Global Peace Science (GPS) as a substantially new manner of social thinking. This requires the International Academy of Global Peace (IAGP) with the objectives of GPS development and preparation of professional peacemakers on its basis with academic degrees of bachelor, master and doctor of peacemaking Sciences. The BRICS peaceful countries are able to create such scientific Academy. BRICS is Brazil, Russia, India, China and South Africa, bringing together almost half the world's population and recognizing the top priority "*To Strengthen International Peace and Security*" [22]. Only this Academy will equip BRICS unprecedented and insurmountable – scientific – advantage over a global aggressor (see above 10.12 and 10.13). Only this Academy will ensure

the highest, scientific level of equal partnership in the BRICS, for which it was created, in contrast to the US alliances under their imperial diktat.

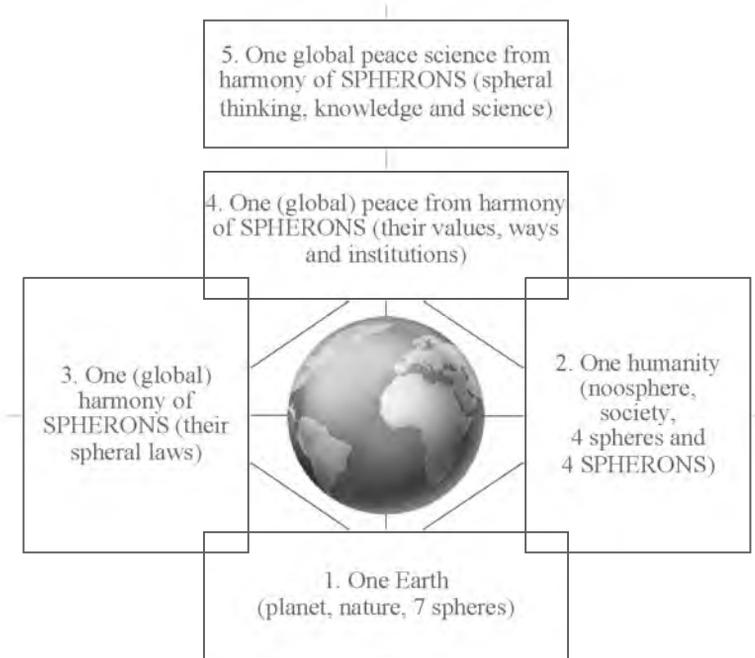
The Global Peace Science Mission in the BRICS peacemaking hands ensures Nuclear Free World and the full victory peace over war to the end of XXI century. The main objectives within this mission are:

- Abolishing the nuclear weapons: ending a nuclear threat to humanity.
- Ending wars and building bridges of Love & Peace from harmony through science and spirituality.
- Moving from culture of war/violent mindset to culture of peace and harmonious mindset.

Therefore the GPS mission in the BRICS peacemaking hands is an alternative to nuclear war and building a new peaceful world order eroding any aggression, militarism and dictate. The militarist mindset is hostile to peace and deprives humanity survival prospect. This perspective can provide only a peaceful mindset and consciousness based on GPS. In this direction GPS is an alternative to nuclear war and at the same time it is building new peaceful world order. These two functions within the single mission of GPS are inseparable and can exist only together, reinforcing each other.

GPS is the science of peace, security, sustainability, justice and democracy from harmony for the future peaceful world order. GPS is a movement of creating awareness for nuclear abolition and developing nuclear free world through harmonious thinking & harmonious education. This is the path of humanity to a new, conscious, oneness of mankind from global peace of SPHERONS based on GPS and its harmony with religion and other forms of social consciousness. Therefore GPS is the powerful nonviolent weapon in the BRICS hands to overcome the global aggressors, militarists and warlords.

The GPS Vision of the XXI century: Abolishing the Nuclear weapons (Nuclear Free World) and Building Peaceful World Order is presented in the GPS **tetranet 4S-Model of Creating New World Order**:



Where:

S1 – Society, humanity as unity of four harmonious global classes – SPHERONS. In this direction GPS is science to create a peaceful planetary society from harmony of SPHERONS, employed/working in four key spheres of social production of necessary resources. The production of these resources can only be achieved in harmony and peace, only without the war, hostility and antagonism, which excludes this production for life of society and human [33];

S2 – Sustainability as balanced evolution with nature of human civilization through inner, social harmony concorded with natural harmony of our Earth 7 spheres. In this direction GPS is science to create a sustainable future through social global peace from harmony, balancing human nature & environmental nature.

S3 – Spirituality from one global (natural and social) harmony through science, religion, art, media and other forms of public consciousness. It is the spiritual Oneness of humanity. In this direction GPS is science to create harmonious thinking and peaceful consciousness through harmonious education and culture. *“We shall require a substantially new manner of thinking if mankind is to survive”* – Albert Einstein.

S4 – Security as abolishing the nuclear and other weapons and also violence. In this direction GPS is science to create a Nuclear Free World through general and complete disarmament from social harmony. The key issue here is the repentance of the US government and legal assessment of the atomic bombings of Hiroshima and Nagasaki 70 years ago as a war crime, without which the possibility of the USA new nuclear bombings is legally and morally open [34]. For more details about the model see here [21].

Global peace as a universal and constant attribute of humanity can be conscious only through scientific evolution [35]. GPS is a new philosophical and sociological paradigm of the future for creating a nuclear free and peaceful world in the 21st century.

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17. Sergei Glazyev's Project: Dependence of Russia and

BRICS Economy from the USA as Defeat in Hybrid War. *Leo Semashko*

(**The GPS Editor in Chief Note.** We are publishing below the key fragments from the Sergei Glazyev's Project: *"About Urgent Measures to Counter the Threats to Existence of Russia"* [36]. These fragments relate to the economies of all BRICS countries, although the emphasis is on the analysis and evaluation of the economic situation in Russia. Editor's comment is in the end).

"The US is trying to maintain its leadership through deployment of world war. The US aggression against Russia and the seizure of control over Ukraine is an constituent part of the global hybrid (chaotic) war waged by Washington to retain world leadership in the growing competition with China. Russia is selected as the direction of the main attack ... As a result of the Cold War with the Soviet Union, the **United States seized global leadership at the expense of excellence in development of new microelectronics-based information and communication technological structure and establishment of a monopoly on emission of global money** ... The USA wants to keep the leadership through unwrapping global war in order to weaken as competitors as well as partners....

The Washington's unleashed war differs from the previous lack of front-line clashes warring armies. It is based on the use of modern information and cognitive technologies with reliance on "soft power" and the limited use of military force in the format of punitive operations to punish the deprived of possibility to resist enemy. **The bet is done to destabilize internal situation in the country-victim** by the defeat of its social consciousness with subversive ideas, deteriorating socio-economic situation, cultivation of various opposition forces, graft of productive elite **to weaken government institutions and overthrow the**

legitimate leadership with subsequent transfer of power to the puppet government. Such wars are called hybrid ... or ... chaotic....

By organizing a coup and establish full control over the structures of Ukrainian state power, Washington relies on the transformation of this part of the Russian world into a springboard for military, information, humanitarian and political intervention in Russia **in order to transfer a chaotic war on its territory**, organization of revolution and its subsequent dismemberment The organization of military conflict between Russia and the European countries of NATO on Ukraine's territory is the most desirable scenario for the US, **for whom the wars in Europe has always been "good"....**

To conduct an independent policy, **it is necessary to manage own economic development**. By controlling production of the national economy, the adversary can manipulate behavior of the business community, critically affecting the living conditions of society. **The war with it in these circumstances cannot be won**, making impossible to conduct an independent foreign policy. It follows that the independent foreign policy of the Russian leadership should be supported **restoration of national sovereignty and control over production and development of its own economy....**

But the most important condition for neutralization of Western sanctions is a shift from external to domestic sources of credit. Repeatedly expressed by Russian scientists and experts of proposals to solve this problem, **is categorically rejected the leadership of the Bank of Russia, which continues to orient its policy to serve the interests of foreign capital....**

The contours of external control of economic and social life, being not aware and therefore not perceived and not dismantled **are no less dangerous than other types of "containment" of Russia**. The unawareness and gradualism (routine) appear features of cognitive weapon by which Russia is driven to externally imposed rut, institutional and financial pitfalls, create outrageous threat to national security, **the risk of destruction** in running full speed hybrid (economic, informational and other, until hot) war ... **The contours of external control are added another dogma of the IMF on inadmissibility of currency restrictions...**

Saving the dependent position of economy **entails the defeat in the hybrid war ... The state of economic security is poor ... The main threat of economic sanctions is to isolate Russia from access to new technologies**. If it is not neutralized in a few years, our economy would be in a state of irreversible lag....

Russia is set in the conditions of struggle for its very independent existence, where conservation of dependent status of economy from the western core of the world economic and financial system **implies defeat in the hybrid war unleashed by the US and threat of loss of national sovereignty**. **The neutralization of this threat is impossible without changing the model of "integration" into the world economy**, the formation of sovereign sources and mechanisms of development, **without building a broad anti-war coalition of countries** (notably the BRICS) based on mechanism of equal partnership, mutual benefit and respect for national sovereignty....

Dissatisfaction with the **current global system of the USA undivided domination in it is common to all of the BRICS countries** and can serve as a cementing basis for formation of the monetary union through phased weakening dependence from dollar-centric system **The US imposes mechanisms of unequal foreign economic exchange, in which Russia loses about \$100 billion annually...** The losses of budget due to leakage of capital are 839 billion rubles in 2012 (1.3% of GDP)....

Reduction of taxation for entrepreneurial activity can be offset by the introduction of a **progressive income tax on individuals, which has become an organic part of life in most developed countries**. The bulk of the tax revenues in they account for individuals, primarily to wealthy ones. In Russia, by contrast, **more than 70% of tax collection falls on the legal**

bodies that suppresses business and investment activity... The introduction of a progressive scale of tax on individuals with the highest rate of 40% would increase the budget revenues 5 trillion rubles. **(Only the imposition of 130 billionaires of Russia with 40% tax increase budget revenues by 1.1 trillion rubles)...**

Despite the deployed US financial war against Russia, Central Bank of Russia is still guided by tenets of the Washington Consensus, **which are subordinate the macroeconomic policy to the interests of foreign capital.** ... The Russian economy is working not more than 2/3 of its potential capacity, continuing to be the donor of global financial system "

Sergey Glazyev is a Russian politician and economist, Full Member of Russian Academy of Science since 2008. He was a minister in 1993, a member of the State Duma in 1993–2007, and now is presidential aide on economy.

The GPS Editor in Chief Comment. The Sergei Glazyev's Project and Report have a number of undoubted scientific merits in the mainstream of Global Peace Science (GPS), important for its substantiation and development.

Firstly, Glazyev's project is another scientific evidence, now from a position of economic reality, the GPS finding about the US/NATO as a global aggressor (Chapter 9), which extends its aggression, diktat, expansion and exploitation of the world economy, providing itself a whopping extra income through unequal international exchange and the entire liberal world system. This system was created and controlled by the United States. Only from Russia the USA seizes each year more than \$100 billion as Glazyev shown.

Secondly, Glazyev's project opens a new intricate form of war – a hybrid war, which brings together the political, economic, information and social aggression, covering all four spheres of social life of any country, to destroy it from within and subordinate it to the US dictate if it is not already under this dictate. In this war, the military/armed actions are given as secondary, auxiliary role of intimidating and punitive force.

Thirdly, Glazyev's project shows that hybrid warfare is the USA global war directed against all nations, against "as competitors as well as partners", which is the only way for the US to maintain its global dominance.

Fourthly, Glazyev's project exposed the ideology of American **liberalism as an ideology of the USA global hybrid war** with the world, both "as competitors as well as partners". Liberalism is a stage of spontaneous, unscientific, subjective regulation of the economic balance subordinated to dominant economic and political subject (PARTON), the last 70 years it is the USA. Liberalism prohibits governmental interference in the economy but does not interfere and encourages its militarization, so **liberalism is the enemy of world peace and the source of global war. Therefore, in a truly peaceful society liberalism has no place.** In such society, there is only room for GPS as antipode of liberalism. Liberalism is the ideology advocating a total lie and war of the US, rejecting any social science and scientific theory, including GPS (see 4.5), which diverges with it.

Fifthly, most importantly, Glazyev's project has demonstrated the absence of a single conventional economic science, with the exception of some private economic theories. While traditional economic theories, especially Marxism, were debunked and discredited by collapse of the Soviet Union, **the liberal economic theory debunks itself as anti-scientific ideology of the US, justifying aggression and global hybrid war on world for total domination over it.** This ideology distorts all global indicators and indexes in the US favor; look, for example, our analysis of the Global Peace Index (4.3). This finding is confirmed also the Glazyev's project by numerous economic examples.

The opposing economic approaches: classic Marxism and liberalism are derived from a single source – from Marx's labor theory of surplus value. They reveal the limitations of this theory, if from it can be done the opposite conclusions. This theory is scientific in a very narrow range but it is powerless in the system/holistic problems. **This theory is overcome and is included as a special moment in the spherical theory of surplus value or more broadly – in the science of global harmony and world peace.** In the spherical theory the source of surplus value and any profit is recognized not only direct labor but also totality of spherical conditions of the profit production. Therefore, profit should belong not only to the owner of means of production (capital), but also to society as a whole, in a certain part. This requires limiting the maximum income/profit for capital, as well as law MAXIMIN/MINIMAX (see para 5.3.2).

In the same direction operates **and the “Tobin tax/law.”** GPS provides the key justification for all regulators of economic balance, including the Tobin tax, which is defined by the Italian scientist Raffaele Marchetti as a tool of "harmonization" [37]. The first ideas of spherical theory of surplus value were expressed in my first works on Tetrasociology: *Sphere Approach* (1992), *Sociology for Pragmatists* (1999), *Tetrasociology: Responses to Challenges* (2002), but a holistic basis and the expression it found in *the ABC of Harmony* (2012) and *Global Peace Science* (2015) in their SOCIONOME and theory of SPHERONS. Together, they constitute a revolution of economic science, its qualitative shift from the partial theory of surplus value within the narrow confines of Marxism or liberalism to universal, common to all of global scientific economy on the objective spherical grounds.

But this idea remains a hypothesis to its deeper and detailed study in future spherical researches, we put just the beginning for them. The development of a spherical, global, objective and peacemaking economic science based on the GPS scientific theories of spheres of social production, SPHERONS, SOSIONOME, social harmony and the others – **it is the next stage of development of GPS from social harmony**, in which the **economic balance/harmony is one of the four required components**. GPS offers a general way to create a holistic economic science, providing economic balance, which will be control democratically by all classes (SPHERONS) in every society through its democratic bodies, first of all through truly democratic and peacemaking, spherical government (see Chapter 8, para 8.9). Only such a science and conscious regulation on its base will free the economy from the class antagonism, disharmony and militaristic direction and ensure it fully peacefulness through the inner, economic harmony/balance.

18. BRICS Peace Matrix 2016:

From Global Disorder to New World Order in XXI Century. *Subhash Chandra*

1. Global Disorder. The 20th century was the most murderous in recorded history. **“Instead of the new world order, we have growing disorder.** The international architecture set up after World War II, which received a new lease on life in 1990, **is proving unable to cope with the challenges of our time.** We are groping with new uncertainty. Whether it is in peace and security, climate change, international justice or global trade, there has been little progress. **The Security Council is unable to ensure peaceful outcomes to crises like Libya, Syria and Ukraine.** On the contrary, we even hear talk of a ‘new Cold War’” said Kofi Annan [38].

2. New Threats to Humanity in 21st Century and its Future. The futures of our planet and humanity are inextricably woven together Peace, Poverty, Population explosion & Climate Change: the three are major threats to humanity. The biggest agenda of 21st century is ‘how to save the Humanity & how to create the Global Peace & harmonious civilization’? And how can create the New World Order? Peace and harmony is a basic prerequisite. Peace and harmony can bring a peaceful and stable order to society, and they are a necessary condition for the survival and holistic development of mankind.

3. Global Peace Science as the Science of Peace, People & Planet for saving the humanity & creating the New World Order in 21st century.

“The modern ‘shift of human thought’ is a transition from one dimensional, industrial, disharmonious and partial thinking, powerless before the global harmony of the whole, to four dimensional harmonious holistic tetranet thinking, the ABC of which is unfolded in this book. It is the ABC of language, thinking, worldview and spiritual culture of harmonious civilization, starting from the 21st century, and the second “axial age” (Karl Jaspers) in the history of human thought. This ‘greatest shift of human thought’ generates enthusiasm and happiness of the new civilization free from the horrors of the outgoing one!”[39].

4. The Global Peace Science Mission in the BRICS peacemaking hands ensures Nuclear Free World and the full victory peace over war to the end of XXI century. The main objectives within this mission are:

- 1) Abolishing the nuclear weapons: ending a nuclear threat to humanity,
- 2) Ending wars and building bridges of Love & Peace from harmony through science and spirituality,

- 3) Moving from New World Disorder (hatred & violence) to New World Order (Peace & Harmony) in 21st Century,
 4) Transforming from culture of war/violent mindset to culture of peace and harmonious mindset.

5. BRICS Peace Matrix 2016. Peace, People, Partnership, Planet & Prosperity (5Ps) are the five pillars for New World Order in XXI Century. It is the GPS 5 Ps Model/Matrix for BRICS to make harmonious world order.

The first pillar is Peace. Peace is not just the absence of war. Peace comes from social harmony through science – Global Peace Science (GPS). Peace is about community of people, about working together, sharing & caring each other, helping each other to live better and eliminating poverty: nearly 1/2 of the world’s population – more than 3 billion people – live on less than \$2.50 a day. More than 1.3 billion live in extreme poverty – less than \$1.25 a day. Peace is about partnership on all levels. Peace is about the planet – how to save & protect the planet through sustainable development goals? Peace is the foundation for progress, development & prosperity. GPS is the science of peace, justice and democracy from harmony. GPS is a movement to them through harmonious education, to be free from poverty, violence and wars. GPS is saving the Earth planet & Humanity.

6. Sustainable Development Goals for welfare of humankind are: 1. End poverty, 2. End hunger, 3. Ensure healthy lives, 4. Ensure quality education, 5. Achieve gender equality, 6. Ensure water and sanitation, 7. Ensure energy, 8. Promote economic growth, full employment and decent work, 9. Build resilient infrastructure, 10. Reduce inequality within and among countries, 11. Make cities inclusive, safe, resilient and sustainable, 12. Sustainable consumption and production, 13. Action to climate change, 14. Conserve and sustainably use the oceans, seas and marine resources, 15. Protect, restore and promote sustainable use of terrestrial ecosystems, 16. Promote peaceful and inclusive societies, 17. Global partnership for sustainable development... Within the goals are 169 targets and 304 indicators [40]. The UN Sustainable Development Summit projected this new set of 17 sustainable development goals (SDGs) for the next 15 years to replace the 8 Millennium Development Goals (MDGs) that were in place from 2000 to 2015. GPS unites, summarizes and develops these goals, targets and indicators into a coherent system of scientific knowledge about global peace from social harmony. The UN declared also the International Day of Peace 2015 as “Partnerships for Peace – Dignity for All” which aims all segments of society to work together to strive for peace [41].

GHA calls to inspire all World & BRICS Leaders to Think together & Act together with revolutionary change to create a Peaceful & sustainable world & developing New World order through Partnerships. For more details, see [42].

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19. Global Peace Science from Harmony Appeared in the XXI Century in Fullness of Attributes, Required for its Use. *Muhammad Khan*

Global Peace Science (GPS) emerged in the Global Harmony Association (GHA), which was founded in 2005 by Dr. Leo Semashko. It is a great phenomenon of the world history and culture of mankind. In the very beginning its movement was somewhat slow but later it has expanded and accelerated by the efforts of GHA leader and its members. Bravo to our President, he was not discouraged. These efforts have been praised by many members of the GHA. For example, a poet and writer from Greece, Vice-President and Cofounder of GHA Takis Ioannides recently wrote: *"Dear Leo and members – Peacemakers of GHA, GHA is a carrier and expression of culture, organized and coordinated perfectly. With diligent creators are. With projects are identified by scientific criteria, therefore safe. With a sense of responsibility towards humanity, GHA cares such as the identity, origin and quality of its works to be judged on the objectivity of science and not the political subjectivity. With*

main target to create a well-governed and peaceful Global Society, GHA is none government organization which respects and ensures the labors and achievements of its members (November 1, 2014)”.

Dear readers! We must not forget and have remembering the countless victims and irreversible destructions of the World Wars. We must not forget the American atomic bombing of Hiroshima and Nagasaki. It was very dreadful scene. Hundreds of thousands of guiltless people were perished in a very short time, including numberless women and children. In order for these crimes against humanity are not repeated, they should be excluded by conscious establishment of science-based global harmony, from which comes global peace. **It is the GHA simple but deep formula: peace comes from harmony through science.** From it a chain of ideas was developed gradually: 1. Social harmony – 2. Science of harmony (*The ABC of Harmony*) – 3. Four harmonious spherical classes of the population, SPHERONS (it is the Leo Semashko’s great scientific discovery in his Tetrasociology) – 4. General harmonious education in science of harmony – 5. Harmonious social institutions: state, democracy, economy, media and others – 6. Conscious (scientific) global peace, excluding any wars and armed conflicts.

Global Peace Science (GPS) book is not merely a book; it has been developed into unprecedented holistic social science (GPS) about all parts of a chain and formula of global peace from harmony through science. Each part of this formula is a special theory, character and symbol of Global Peace Science, which is characterized its three distinctive qualities: global actors of peace from harmony, scientific (spherical) revolution of peaceful thinking and the highest humanistic morality of scientific and civic ethics. This ethic requires from each of us active discussion; it will give the quality of GPS, its dialogue and consideration undoubtedly.

The GPS key concepts are SPHERONS – four spherical harmonious classes of the population as universal actors of global peace from harmony, which are employed in four spheres of social production and provide a permanent production of the four necessary and sufficient for human life resources: people themselves (P), information (I), organizations (O) and things (T) (material goods and services). SPHERONS is the GPS main attributes, of which are logically derived and theoretically develop all its other categories expressing the architecture of global peace. These SPHERONS are:

1. **Socioclass:** People employed in Sociosphere; subject and product of this class are ‘P’.
2. **Infoclass:** People employed in Infosphere; subject and product of this class is ‘I’.
3. **Orgclass:** People employed in Orgsphere; subject and product of this class is ‘O’.
4. **Technoclass:** People employed in Technosphere; subject and product of this class are ‘T’.

Economic activities are kept running in all the spheres. It is the complete description of all the macro preconditions of global peace from harmony of people/population through SPHERONS. Peace was not having science until now. Before the discovery of these classes and their theoretical analysis in Chapter 1 and their statistical (empirical) evidence in Chapter 2 GPS cannot was. Therefore peace was weak always in contrast with war. Hence the main objective of our peacebuilding project is an attempt to create GPS that peace conquered the war forever.

The discovery of SPHERONS as a natural soft power, winning all wars and any weapon is a revolutionary contribution of our project in solution of global peace problem. According to this science, peace will be achieved not through the readiness to war and the threat of war, but through the conscious construction of social harmony among all private groups within SPHERONS at all levels and in all societies through a global harmonious education in GPS since childhood. Of course, our project – it is only the first and far from perfection attempt but it will give impetus and mark the beginning of a new kind of scientific activity aimed at ensuring global peacebuilding. GPS is a science, under the umbrella of which the new ideas and new inspiration for poets and scholars of social sciences emerge. GPS was born in the fullness of all attributes necessary for global peace in the XXI century.

Muhammad Khan, GHA member and Ambassador of Peace and Disarmament from Harmony; International Writer and Poet; Chairman: Urdu, Sindhi Adabi Foundation, Karachi, Pakistan; Advocate: Sindh High Court, Karachi. **E-mail:** yunushavaida@gmail.com

20. A Cry for Help from Peacemakers: Thousands of them are Waiting for Association and Assistance of BRICS. *Leo Semashko*

In the world there are hundreds of thousands of separate peace organizations and individual peacemakers, the political energy of which is dying in powerlessness, fragmentation and lack of a global unifying center, resources and assistance. Of course, this does not apply to those few, mainly American organizations that exist to grants and budget of the US government, State Department, CIA and Pentagon, but the purpose of which under the banner of peacemaking is not peace and masking of the American military empire, although they also ask for donations as, for example, the governmental US Institute of Peace, immersed in the war (see Swanson's article about it in Chapter 12). We are not talking about them. **We are talking about honest and brave peacemakers who, in spite of everything and contrary to all obstacles, doing their best for the sake of world peace.** Millions of these peacemakers across the globe await association and assistance from Russia and BRICS as global peace center. The leaders of these countries need to know the mood prevailing among the peacemakers to use their colossal potential. In this book, it is published a lot of articles that reflect their moral and intellectual attitude. Below we publish an excerpt from one of thousands of letters from despair peacemakers (it was published in full in Chapter 9.49).

"October 24, 2014. Dear Leo, "Commons Dreams" (independent peacemaking Internet Journal – LS) was here for you in the dark days of 2001 as Bush's global "War on Terror" began, highlighting the lies in the administration's post 9/11 arguments. **We were here for you bringing you the truth as the Obama administration continued the now endless war.** And now in 2014 we are still here for you as the voice of sanity, reason and reliable analysis. We can only do this because we are non-profit. We sell no advertising. We rely on support from you, our readers, to keep us moving forward. And it is your support that has kept us fiercely independent. We are writing you now because Common Dreams needs your help to keep moving forward. It is absolutely critical that we meet our fall fundraising goal of \$50,000. **Can we count on your help today? We have to stop this endless war. We have to stand together.** We won't be silenced. But we can't do it without you. With deepest gratitude,

Bethany Snow for the whole Common Dreams news team: <http://www.commondreams.org/donate.>"

This strong letter calls for a peacemaking BRICS governments to take decisive actions, a huge range of which is scheduled in this book GPS. The peacemakers do not hope in anyone in solidarity aid.

Dr. Leo Semashko. Editor in Chief, *Global Peace Science* (GPS)

21. The New Silk Road: Project of Peace from Harmony through Science between East and West, Initiated by BRICS. *Subhash Chandra*

The world faces old and new threats to humanity in 21st Century economical- poverty & population issues; environmental crisis- climate change; and peace & security challenges that are more complex than our multilateral and national institutions are currently capable of managing.

This article expresses only the GHA idea and proposal to develop project "New Silk Road" in BRICS on base of GPS as one of the key projects for Global Peace of East and West, Asia and Europe. New Silk Road (NSR) covers three BRICS countries: China, India and Russia, as well as a number of countries in central Asia and Europe. It is not only economic but also political and peacebuilding project, which requires a fundamental scientific substantiation in Global Peace Science (GPS) within the International Academy of Global Peace (IAGP), which we proposed to establish in Simferopol (see para 10.14). The mission of this project is: "*To strengthen the international relations and cooperation through peace and partnership for peace.*"

The fundamental structural foundation of the New Silk Road (NSR) project 2016 is a system: **One Planet – One World Harmony – One Global Peace – One Silk Road – One Global Peace Science** (GPS), in more detail about it see [21a]. This project is able to integrate on a single scientific basis the rich historical and contemporary achievements of all cultures and civilizations, through which the NSR runs.

It will meet the high demands of our time, which were well formulated by Kofi Annan, in his Nobel speech: "*In new century, we must start from the understanding that peace belongs not only to states or peoples but to each member of those communities. The sovereignty of states must no longer*

be used as a shield for gross violations of human rights. Peace must be made real and tangible in the daily existence of every individual in need. Peace must be sought, above all, because it is the condition that enables every member of the human family to live a life of dignity and security" [43].

Development and implementation of the project "New Silk Road" will be an innovative contribution to building world peace and in the establishment of new peacemaking thinking on scientific platform that will provide the BRICS, as the author of this project, the high international prestige at its unique economic efficiency. It will be creating a Peaceful Society & Sustainable World through GPS as the science of peace, sustainability and democracy from harmony. GPS is a movement to Peace from harmony and Partnerships for Peace to create a new world order [21a].

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22. Resume. Peace – Front of Russia/BRICS as Key Instrument for Global Peace and Collective Security. Tetranet Model. *Leo Semashko*

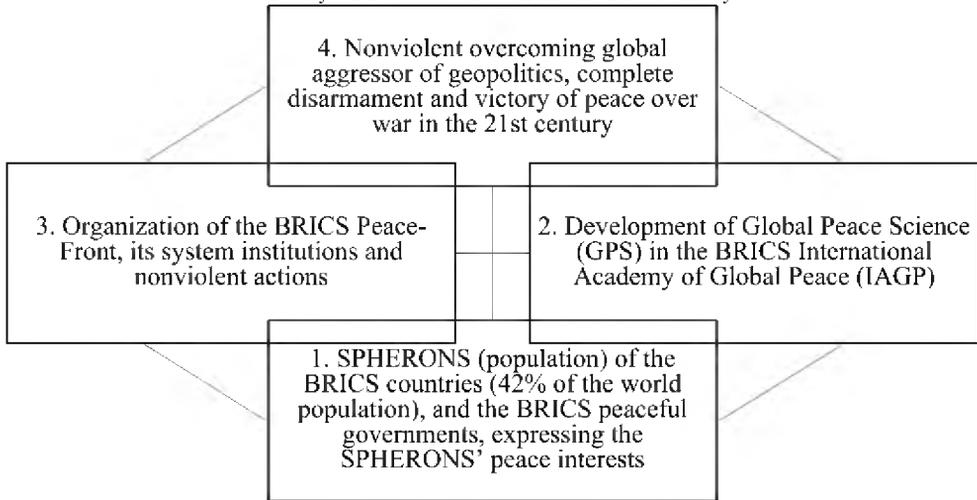
The previous chapter outlined a well-organized global militaristic front with the US/NATO leadership acting as a **world aggressor of geopolitics**. This chapter was presented the global peacebuilding front (Peace-Front) with the Russia/BRICS leadership acting as a **global peacemaker of geopolitics** (see also 8.25). But it has hardly formed in this mission and insufficiently organized that does not allow it to actively and effectively counter to militaristic front through nonviolent, peaceful means. As defined, the main reason for this weakness of the BRICS Peace-Front is the lack of appropriate science – Global Peace Science (GPS), **without which there cannot be the effective organization and resultative actions of this front**. In Chapter 10, in addition to Chapter 8, we presents the proposals and general outlines of the necessary institutions for this front to overcome its indicated weakness. The first turning point and a decisive action on this way is the establishment of the International Academy for Global Peace (IAGP – see 8.4) BRICS in the Crimea in Simferopol as a university city, to which was devoted the collective message of more than 130 coauthors of GPS (see 10.12). This message is practical center of Chapter 10. **Without GPS the BRICS alliance will never become a global peacebuilding leader and never will achieve the victory of peace over war in the 21st century**. BRICS and its Peace-Front without GPS never overcome the subordinate position in geopolitics from the USA/NATO global aggressor and will not provide the nonviolent collective security from this aggressor.

Understanding the key conditions of a BRICS necessary transformation into global peacebuilding leader capable to overcome nonviolently the USA/NATO global aggressor gives Tetranet model below. It summarizes and generalizes the constructive ideas of Chapter 10 in the following chain of concepts:

1. SPHERONS (population) of the BRICS countries (42% of the world population), and the BRICS peaceful governments, expressing the SPHERONS' peace interests –
2. Development of Global Peace Science in the BRICS International Academy of Global Peace (IAGP) –
3. Organization of the BRICS Peace-Front, its system institutions and nonviolent actions –
4. Nonviolent overcoming global aggressor of geopolitics, complete disarmament and victory of peace over war in the 21st century.

Tetranet Model-21b.

Global Peacebuilding Leadership of BRICS:
Victory of Peace over War in the 21st Century



This model expresses a common frame and final result of the BRICS peacebuilding front, which brings together all peaceful countries in nonviolent overcoming the global aggressor and in conscious (scientific) building global peace in the 21st century.

We have not touched in this chapter the thin but very important issue of cooperation of the BRICS Peace-Front with the US/NATO military front to prevent a nuclear war. Of course, the BRICS Peace-Front should use every opportunity in this area if the goals of BRICS and USA coincide, for example, as within the elimination of the terrorist state ISIS, which threatens the lives of all people on Earth. Unfortunately, we now see as US militarism is inconsistent even within this shared goal, trying to find any opportunity to use ISIS terrorists against Russia, BRICS and other peaceful states. We see that the US refuses to cooperate even in their purpose of destroying ISIS: for the USA is more important to destroy the legal regime of President Bashar al-Assad of Syria than the ISIS terrorists. Therefore, the question of cooperation between the two opposing geopolitical fronts requires a special investigation in the future, in the BRICS International Academy of Global Peace (IAGP – see 10.12).

Another equally important issue is initiation of the International Tribunal for the USA war crimes against humanity since the atomic bombings of Hiroshima and Nagasaki that killed more than 200 thousand innocent civilians (other war crimes the USA see 9.30 and others in Chapter 9) to the premeditated bombing a hospital of organization "Doctors without Borders" in early October 2015 in Afghanistan, which killed 22 innocent doctors and patients of the hospital [44]. All those endless crimes against humanity of the USA are for them not only "shame without borders" [45] but also legally responsibility for them. Unfortunately, in 70 years no organization, including the UN, initiated a similar responsibility of USA. Obviously, this can and should make the BRICS Peace-Front. Only it is able to overcome the impenetrable wall of silence of the US war crimes against humanity for 70 years.

Dr. Leo Semashko. Editor in Chief, *Global Peace Science (GPS)*

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Chapter 11

Global Peace Art: For Harmony, against Militarism/Terrorism

*Peace comes from harmony of SPHERONS
through science and education.*

The GHA scientific peace formula

Poetry

The majority of Russian-language poems were translated into English by Adolf Shvedchikov and all poems have been edited by Leo Semashko. We would like to stress one important circumstance. The published poems below are very different in quality, to what has affected the translation also. There are some great poems but there is, quite frankly, not very. However, we have published them as a pioneer, written in the genre of innovative poetry about global peace, with the relevant requirements, as a reward for courage of authors, who are not afraid of the possibility of error and gone in an unexplored creative way. We ask readers to take these verses indulgent and understanding the situation from which they came out with dignity although not with the best quality. The poets will be able to lift it in the second edition of this book in a year. Sincere thanks to Adolf Shvedchikov for help in translation.

1. *Dr. APJ Abdul Kalam*, Poet, President of India in 2002–2007

Peace and Prosperity of the World

This decade met millions of youth

What did I learn from the youth decade?

Youth have the dream,

Youth have the pain,

Youth have the power.

Our future, the foundation of the future,

Youth and youth, the youth dream:

Can they live in a clean green environment without pollution.

Prosperity without poverty,

Experience peace without fear of war

And happily live in peace, worldwide.

The world needs the great vision of peace and prosperity?

Peace and prosperity of all the nations of the planet Earth.

How to make it, such a vision, a reality?

I see a dawn of beautiful Star,

The dawn of shining vision,

The emergence of enlightened citizens.

The enlightened citizens engulf all the nations

Acquiring Education with value system,

Bridging spirituality of every religion.

And enabling the birth of poverty free world.

All weaving into a beautiful mission of life

The youth seeing the birth of a great star

Radiating peace and prosperity of the world.

30 November 2010, India (Presented at XXXth World Congress of Poets at Taipei, Taiwan)

2. To Abdul Kalam. Dedication

The GHA Global Peace Science (GPS) is dedicated to the memory of a great human, peacemaker, poet, scholar and politician, one of the GPS founders (http://peacefromharmony.org/?cat=en_c&key=585), GHA Honorary Member since 2005, coauthor of *The ABC of Harmony* (2012: http://peacefromharmony.org/?cat=en_c&key=478), having the GHA Highest Honorary Title: WORLD HARMONY CREATOR (http://peacefromharmony.org/?cat=en_c&key=513), President of India in 2002–2007, **Dr. APJ Abdul Kalam, who died suddenly of a heart attack on July 27, 2015** during a public lecture at the Indian Institute of Management in Shillong city. GHA is deeply saddened and suffering with the death of the greatest peacemaker of the early 21st century and the GPS founder. GHA expresses its sincere condolences to the family and friends of Dr. Kalam.

His death is a great loss not only to India but to whole humanity. But he will live forever in his creativity, in his GPS, in his poetry, in his great contributions to peace culture of India and humanity in general. **GHA, July 28, 2015**

3. To Abdul Kalam World Harmony Creator

Human is the conscious, the mental,
the intellectual one who has free will,
who has true faith in the word of Christ,
who is a carrier of solidarity of human society,
of gender justice, of communication quality,
as a citizen of race, of genus,
as a citizen of state and nation.
He is the promoter man of equality of peace,
of family, of society, of any state.
Peace is the Harmony daughter,
and bliss is her granddaughter.

By *Apóstolos J. Paschos*, Dr Nuclear Medicine, historian, poet, writer, lecturer. Greece.
Translation from Greek to English by Takis Ioannides

Peace is a God's gift, globally,
for the brotherhood of Christ,
and protection by any cunning discord,
by every dissension
and any leakage of global Harmony,
for the suppression of any war,
of any hostilities and from any human
suspension.
The man of God
is the creator of global Peace
and workmanship of Harmony.

4. Dr. Ashok Chakravarthy, Poet, India Victory of Peace over War

Beautiful nature,
Eternal peace,
The creator's greatest gift.
Honor or dishonor,
Like or dislike,
For human choice it's left.
The nectarine peace
At the threshold of world
Wait for our sensible choice
To choose betwixt.
Victory of Peace over War.

Flowers blossom...
The serene season of spring
Showers solace and comfort.
Lighting our hearts lamp,
The seed of peace they plant;

To nurture a human bondage
That lasts forever in a true spirit,
Yes, why not we lighten others,
With the wick of love and faith,
And choose betwixt,
Victory of Peace over War.

The tempting spells of egoism,
The surging waves of revulsions,
Create fissures amongst humans,
And play havoc with own survival.
Why not with love and concern
Why not with ideals of compassion,
Why not with a resolute option,
We script harmonic association,
To rejoice victory of Peace over War,
And bind ourselves with a true fervor
To usher 'Global Harmony,' forever.

We Love to . . .

In the deep woods, spectacular and beautiful
The black cuckoo sings a song, remorseful;
Concern over 'human-conflicts' it voices a tale
And the theme echoes across the hills and dale.
Are we so averse to live in peace on planet earth?
The caravan of black ants, run hither and thither
Infiltrations and invasions drive them with fear;
What if, if every living being choose to live in
Peace?
Lo! Harmony encircles us any time, at every
place.
Cannot we aspire to live in harmony on planet
Earth?
A group of pigeons; like a dispersing cloud, flee
In the far-off habitats they hear human cries;
A mother for her child, a child for mother weeps,
What with enmity and hatred humans shall reap?
Are we not born to peacefully co-existing on planet
earth?

The stream and deep woods swarm with living
creatures,
Without grudge they brace to face all adverse
weathers;
But, they feel scared and insecure by human
actions
They cannot express, yet, enlighten us with
reactions
Are we the only beings vying to have hold on
planet **earth**?
As a universal sect of living creatures on planet
earth
Why can't we make a difference by sharing
love and faith?
The bond of universal-love paves a way for
pleasant survival,
Yes, why not we ensure buds of love to
blossom in one and all;
Hailing to impart, '*we love to establish Peace
on planet Earth*'!

5. *Ram Krishna Singh*, Professor of English, Poet, India Peace Haiku Sequence

Quest for PEACE:
Spiritual Flickers

Post-War

Plodding away at
season's conspiracies
life has proved untrue
with God an empty word
and prayers helpless cries
I wish I could live
nature's rhythm free from
bondage of clock-time
rituals of work and sleep
expanding haiku present
on the prayer mat
the hands raised in vajrasan
couldn't contact God –
the prayer was too long and
the winter night still longer
unknowable
the soul's pursuit hidden
by its own works:
the spirit's thirst, the strife
the restless silence, too much
unable to see
beyond the nose he says
he meditates
and sees visions of Buddha

Night bombing
leaves the garden
white as death
vultures waiting
for the leftovers
of the sacrifice
whiteness of the moon
and rocks howl with the wind–
fear in the veins
in the ruins
searching her photo:
evening
in the diary
searching phone numbers of
friends now alive
awaits his son's
phone call from the border:
dogs and cats wail
a dead voice
calling up at dawn:
drowsy eyes
alone
on her bed rings
the cell phone

weeping for us
seeking shelter
under the golden wings
of Angel Michael
a prayer away now
whispers the moon in cloud
not much fun –
cold night, asthmatic cough
and lonely Christmas:
no quiet place within
no fresh start for the New Year

crowded streets
moving among the years
wretched faces
shell-shocked or frozen
he stands in tears on hilltop
craving nirvana
unmoved by the wind
he sits on a rock wearing
peace of the lake
searching peace
in the dark blankness
of mind's silence
in silence
one with the divine will
growing within

6. *Kartar Singh*, Pro vice Chancellor University of Patanjali, India
21 September: Day of International Peace & Harmony

Let this 21st September be special one,
Let the whole universe feel as united one.
Let us make a simple treatise,
Let all of us live in total peace.
Let us live and let others live too,
That is the way to survive as more than two.
Let there be no threat and no tears,
Let everyone live without fears.
Let universal brotherhood be our ultimate goal,
Let peace and harmony be in our souls.
Let the hate of colour, creed and religion disappear,
Let the universal peace and harmony reappear.
Let "Panch Sheela" (Five principles) be our final line,
Let all of us rise, smile and shine.
Let Panch Sheela be the foundation of harmony,
Let it be the ultimate goal and testimony.
Let the five basic principles rule,
Let us not allow anyone to fool.
Firstly, respect other's territorial integrity,
Secondly, NO aggression with any entity,
Thirdly, NO interference with other affairs,
Fourthly, Equality and mutual benefit in all spheres,
Fifthly, accept peaceful coexistence of all countries,
We can thus live in harmony for centuries.

7. *Laj Utreja*, Director, Global Harmony Institution, India
We are in Harmony, When

Our senses shine brightly in appreciating others
Our minds are lit with the light of understanding others
Our intellects glow in the light of harmony

Our actions shine in the light of service of the needy others
 Our words are sweet for the lonesome others
 Our thoughts become adorned with the beauty of harmony
 Our presence lights the lamps of love spontaneously
 We are devoid of lust, anger, greed, attachment, malice and jealousy
 We love generously, care deeply, speak kindly and live in harmony
 Living in a multi-faith, race and culture society
 We believe and think we are just like beads in a rosary
 All connected together with the same divine string of harmony

8. *Dionysis S. Georgakopoulos*, Self-taught Folk Poet, Greece
 Ancient Olympia's Wish Global Peace via Science (GPS)

Cradle of humanity, glorious Olympia, hail!
 And may your inspiration to men never fail.
 Let every human heart be warmed by your divine light,
 Which beautifies, illuminates and fills souls with delight.
 When the nations swarm to the holy land every four years
 To partake of your sacred flame, their eyes filled with tears,
 They hear from you and from all over Greece
 The most ardent wish for LOVE and PEACE.

That men may change their manners,
 Giving up hatred, evil and strife,
 And that all the world's leaders
 May shake hands, to start a new life.
 That they may decide to disarm
 And start being humane
 To the wretched enslaved nations
 That long for freedom in vain.

That they may rule justly
 to realize the old dream
 That in our world eventually
 LOVE and PEACE will reign supreme.
 Hail Greece, felicitous mother
 of Olympia, the glory and pride
 of Ilia, your most beautiful daughter,
 where the gods chose to abide.

(It was inspired in Olympia, birthplace of light, in March 1984. This poem has been set to music)

9. *Takis Ioannides*, Poet, Journalist and Writer, Greece

GPS: Victory of Peace over War

Never moral contraction occur with the war,
 only the poorer social classes are called defiantly
 to pay the heavy price of the lethal wars,
 to feed the ferocious appetites of the creators of wars.

The logical reasoning of man has been jailed in the
 contradiction of war, and the modern man produces the
 hazardous quality of global culture.

The predatory contemporary of any scientist
 who manufactures the lethal weapons,

Fecund Tool for

Universal Peace

The modern human spirit
 with the fecund tool of
 Global Peace Science,
 is able,

To neutralize the objective reason
 which nourish the reversal of
 human values

and the dangerous and sick minds
who create the humiliation of mankind
by selling and using them, for money and power,
ignore the universal harmony
and the values and virtues importance.

During our present dark war times some of our
fellow humans dared to raise their spiritual stature,
and with faith in human ideals offer donated the deposit
of their souls, for the mankind survival.

In the name of human dignity and harmonious
coexistence of humans
Was build the unique Global Peace Science,
revealing a great message for humanity
that we all together can work to unite our souls
to banish all that divides us, without weapons and wars,
but with the harmony in our hearts.

To assess properly the hierarchy
of those values

To alter the thinking and practice
of modern human
In the harmonious development of
both,
the technical and morality

To achieve a transcendental
and simultaneously worldly
Affirmation of Life.

10. *Athanassios Koumouris*, Blind Poet and Writer, Greece

Peace from Harmony Wins the War

If I could catch the sun in order to send light
in all sunless areas of planet Earth,
you know, I cannot walk,
but I am holding the white flower of Global Peace Science in my hand,
it's the unique harmonious book teaching us,
that only Peace from Harmony wins the war.

If your heart and soul are pure and conscious,
If you are able to reach the salutary meaning of Harmony,
if you approach and use it with respect,
then the sun will drop its light to Earth,
and I will send it to you with a white Peace Dove.

Mothers of all nations raise your full of power voice
together with these of your children,
shouting in the ears of the demented humans, that,
the matter of war concerns also you.

You, the power-full humans of planet earth
let's give your hands each other
to convert the war rockets to doves of PEACE.

Translated from Greek into English language by Dr. Takis Ioannides

11. *Dimitris P. Kraniotis*, Physician and Poet, Greece

Ode to the Peace Hero

You were born once
for a thousand revolutions.
You died once
with a thousand resurrections.
You enlightened eternal ideals
into chests full of dreams.

You blew poets' words
into harmonious winds.
You got hurt by faceless wounds,
slapped injustices,
you fought for freedom,
and won for peace.

12. *Apostolos Paschos*, Poet, Writer, Lecturer. Greece

Love and Peace

Love and Peace
improve the quality of life,
move the human soul,
guarantee the global justice,
are the wisdom of present and future.
Love and peace
are the true global understanding,
the approaching friendship between nations
and states,
the equality of education and soul cultivation,
the beginning of progress and civilization.
Love and Peace of the global citizens,

are the chance of rulers who are hostile
against humanity, to abolish all wars,
also for those who are slaves of wars.

Love and Peace
are the chance of major powers exploiters,
against small nations bad turn,
of rich countries with passion to
covetousness, for swindling money.
Love and peace are gifts of God,
Who now offers them to every man,
and rulers have to offer them,
not suffer the citizens of the world.

Translated from Greek into English language by Dr. Takis Ioannides

13. *Muhammad Khan*, Chairman, Sindhi Adabi Foundation and Poet, Pakistan

Revolution of Peace Poetry from Global Peace Science

In the 21st century there came from rags of wars
revolutionary idea of Global Peace Science (GPS)
based on the values of Global Harmony Association (GHA).

Poets are invited to create scientific new ideas in the
new poems for the GPS book, to teach people
with new thoughts about peace.

The GHA founders lit a revolutionary idea,
which is unique in its nature but requires the support,
creative self-sacrifice and the new poetic imagination.

Muse of peace poetry inspires us to new ideas and images
of victory peace over war in the XXI century
through GPS and its consciousness.

This book is needed for every child, every family,
to sow the seeds of peace from harmony in the hearts,
to achieve lasting peace today and tomorrow.

Poets should discredit militaristic thinking
and the payment of taxes for war, to encourage disarmament
under the laws of peace.

There is no doubt to create peace on a scientific foundation
of the society's spherons, discovered in GPS.
as the eternal source of love, equality and peace.

14. *Hilarie Roseman*, Theologian, Painter and Poet, Australia

The Weeping Branch

I picked the azaleas from the garden –
they were mauve –
and placed them in a crystal vase.

The blooms grew from the dead wood
of the table where we lunched

We were ageing – and in grossed in

so that she could tell her story well
And the cloth hid the evidence

When she had left I took the azaleas
out to my son in the kitchen and said..
“look...can you see the branch and the leaf
glistening with water”? “Yes” he said

the story that was being told.
First of all the outside, the peripheral
that was deemed to be important by others.
But the truth grew out of it

And the truth was not a pleasant truth
And it took a time in the telling
And as each little piece was unfurled
from this hideous fruit, the branch of the
azaleas
drooped and a drop of water slipped into the
cloth

I do not know why I watched the branch
weeping – for as I glanced back again and
again
there was always another drop of water to slip
silently into the white cloth and
dissolve away in the polyester threads

The woman was not weeping – and perhaps
the branch felt for her so strongly that
it took over the grief and the weeping

“It cried for her” I said

“Mother you see things where there is
nothing”

he replied. “But can you see the water there?”

“Yes” he said

“Well, that branch wept, with one drop after
another
and she could not, and I could not ...we are
bare!”

Our tears are long gone, shed and left our
bodies

Running like rivers from eyes that fed cheeks
with salted water, welling and dripping
sliding and then leaving traces and marks
where they had been.

Age takes away the river of tears –

They are all gone – shed and gone.

And the branch weeps for us who cannot

And the cloth waits to receive the water

That will revive the flower of hope

15. *Ayo Ayoola-Amale*, Lawyer, Teacher, Poet, Ghana

A Peace Carol. Global Peace. Peaceloveology

A PEACE CAROL

Peace is the sun, moon and stars.
Peace is the heart, mind and soul.
I love their music.

GLOBAL PEACE

A century bursts like the emptiness of the desert. Minds broke open.
Hearts hold the sun to the earth in new attire.
The truth dresses up above, always above, and spat into life and life again.
The first dawn breaks forth in love.

A science. A mind. An awakening at the heart of the world.
The truth dresses up above, always above, and spat into life and life again
The world is looking for a heart and all of history, a mind to walk out of the clouds.
The truth dresses up above, always above, and spat into life and life again.

PEACELOVEOLOGY (Love is peace – peace from harmony)

With the wakening of light, with the wakening of hearts, peace is woven true.
With the wakening of truth, the soul is love.
The loveliest of the root of immortality
Stuck with beauty like roses, as pulses wake to life.
With the wakening of light, with the wakening of hearts, peace is woven true.
With the wakening of truth, the soul is love.
Hearts like flowers bud and bloom. The earth sings. I hear the song.

16. *Delasnieve Daspet*, Lawyer, Poet, Writer, Peacemaker, Brazil

Fragile Peace without Science

I have come to think, that peace
Is not entwined in the mind
Of man...

Where the strongest rule over
Among all of these nations
Of man...

Difference of skin and culture
Creates an ingrained intolerance
That moves the collected consciousness...

Each difference worsens this earth,
If harmony cannot be found
For a dialogue to open...
Without our full attention,
Without global peace science in mind
Peace will be lost!

*Translated from Portuguese into English
language by Pedro Silva*

17. *Maria Cristina Azcona*, Writer and Poet, Argentina

Peaceloveology: Love, Peace and Harmony

Light and sweet the spirit floats over the oceans face
Making distances each time lower using the Internet
Peaceloveology is the meeting of philosophy and arts
A new encounter where the sciences are focused to find
The establishment of harmonious peace and love
Peaceloveology is born in the Global Harmony Association
A group conformed by Peace Leaders all around the globe
And their collective book THE ABC OF HARMONY
A marvelous pearl of wisdom that astonishes everybody
Because for first time has found a route to make it possible
The conformation of a solution to the international problem
Let's start the revolution of the ideas and the ideals around Tetrasociology
Where many thinkers from different countries try to discuss the way out
Using the old brainstorming method that comes from the old Sociology
That has not conveniently retaken and reused from new perspectives now
Now you are in front of Peaceloveology and everything's will be fine

18. *Ime Biassoni*, Writer and Poet, Argentina

Peace Comes from Harmony

The world was given us by God
without limits or flags,
time over eternity
made necessary,
but narrow minds
they looked inward.
How to affirm peace life
that we embrace all
and throw away the military metal
to remain healthy
and always effective and nutrient?
I found peace base in harmony
In love into consent and concord
but it is hurt and bleeding ...
I clasped hands to sing

Rabin, Kahan and many more ...
Make an open circle
with a strong magnet attracting
that Israel and Palestine
They join forever.
I love to love without borders
I want your peace and mine,
if a common goal unites us
sit down to talk,
for love to revive in the stars
inhaling aromas of harmony
Israel and Palestine deserves it.
Anger, with or without wrinkles
wet enmity
calls the conflict,

sublime roulades of peace ...
It was not enough, I had to go there ...
 See the other as my brother
 hand to the needy
 using the word as Einstein,
 Mother Teresa, Dalai Lama, Cassin,

but with a white bow of harmony
destroy the racist poster.
Securities need dreamers
and courage to face evil.
Peace comes from harmony...
From love to consent and concord

19. *Celia Altschuler*, Artist, Poet, Translator, French Professor, Puerto Rico
GHA Peaceloveology

We the children of Mother Gaia
A living spiritual flesh of Nature
wording verbs of Peace and Love
Brush strokes of inner harmony
All that is seen from up above
we diligent earthly messengers
Wings of golden love and joy
We spread the poetical words
of a coming peacefully lighted world
for all matter and life on Earth
Like good will hard working ants
we follow our treasured goals
love in its many expressions
a path of intellectual reasoning
that interacts in many ways with
Compassion and Kindness
creating a solid bond between

Science, Ethics, and Humanities
A way to Harmonious Living
as written in the ABC book
of Harmony for Peace Education
a gift for the present world at need
and also for our future generations
With respect for every living thing
and endless walking path to joy
a pride of sharing our similarities
and overcoming our differences
with a smile, a nice word, and hand shake.
We are those angelic earthly messengers
reaching out our voices at this moment
to this world, healing its wounds from
absurdity and collective separation
in order to bring back our humanity to its
Center of Spiritual Harmonious Gravity

20. *Edie Woodburn*, Poet, USA
A Natural Result

This reveals what the natural result would be if:
People collectively came to the realization that
every human being is a member of the same family,
and with nondiscriminating goodwill ruling their
consciences, upheld religious tolerance, human
equality, and respect for cultural diversity;
 People's love for their country became inextricably
 entwined with their love for their planet,
 and they came to realize that all nations of people
 can profit in the most meaningful and enduring ways by
 embracing all-inclusive global friendships;
Propelled by a spirit of cooperation
exercised freely, which every government
advocated without attempting to enforce,
communities of people throughout the
earth learned to work together in harmony;
 People became contented with being able to earn
 everything that they need to survive
 along with a few modest luxuries,

caring for all others and therefore wanting
everyone to be able to earn a decent living;
Prompted by concern for all the inhabitants of
earth, mankind renounced the gross materialism
and lust for dominance that arise from self-
centeredness, and discovered there is plenty on
earth for everyone on it to share responsibly.

21. *Teresinka Pereira*, Poet, IWA President, USA

July 4, 2015. Happy Birthday, USA! Reality and Dreams

We have a lot to celebrate: the end of all wars as dream, and the end of the blockade against Cuba as reality. Also: the American people are taking conscience of police brutality, walking on the streets requiring justice against discrimination. We are ready to ask for more: that the USA leave Venezuela	alone with their political and social advances, and stop getting involved in Latin American countries' free choice of government and social-political affairs. Let the US lives in peace and harmony with the world! It is the great life dream for the American people and Earth!
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22. *Bruce L. Cook*. Writer, Poet and Publisher. USA

Women of Peace

Welcome new age in the winds Women leading nations Women leading peace Regretting past grievances Fair play replacing injustice Remembering men's past leadership When bombs made truth When God was blamed Vanity of leaders hiding from view Men seeking status and wealth Men loving injustice, blaming tradition Delighting death-won victories Protecting roles that perpetuate Praising formulas and footnotes Replacing justice with self-interest Males and females together now Proving their weakness – Male "leaders" used fear Blocking messages of truth Binders of censorship have loomed	How can a change happen? A new Babel fills networks Small phones hum, unrestrained All speaking without punishment Too many for leaders to count In new age so apparent Women in council with voice Women leading with fairness Women who share men's feelings Offering so much more Women of peace pondering still Knowing men's desires, revenge, anger Now adding solutions, empathy, caring Awareness of planet whole As bombs and weapons sicken all This age of women who lead Joining the men who led before Leading forward, newfound justice Bringing song, literature, art An age of harmony for this world
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23. *Guy Crequie*, Philosopher, Poet, Writer and Vocalist, France
Ministry for Peace

The vocabulary	Of a Ministry for peace
With its raison d'être	A such vibrato
Who directs the body	A fugitive thought
And aiming of the hearts	Darkness of a camaieu
In the majority of the countries	With the contempt of the arrogances
To protect from the borders	Any ambulation
Or to assert surfaces	In the long valleys
The deputy Minister	On the seas turquoises
Estimate yourself very honored	Close to the silver plated peaks
Of a marked name:	Guarantor of the life
"Minister for the armies	Your army is this cry
Minister for defense	Peace does not have a price
Minister for the marine	Ministry for survival
Minister for the collective security	Safeguard spirits
Sometimes even and alas Minister for war."	Will of cosmos
With these titles of being able	Called our wishes.
We assert the action	

24. *Rene Wadlow*. President, Association of World Citizens, France
I am a World Citizen for Global Peace

My life is interwoven	With the forces of growth and progress.
with countless other lives,	As consciousness, I can direct
together we create the wholeness	those forces with imagination and
that is the Earth.	with knowing, with wisdom and skill.
It cannot exist without global peace,	I can build peace from harmony through
It cannot exist in global war,	science what has never been built before.
In what the Earth will burn	We can love and know peace,
So I am a world citizen for global peace.	dream and change.
In humanity life becomes	Together, we can serve
especially conscious of itself.	the destiny of life in our world
It can reflect upon who it is	and unlock deep potentials.
and thus can open the gate	In this service to peace
to new possibilities born	is a key to our identity as humanity.
of self-knowledge and peace science.	It is through this power
I am creative. As life, I am one	that I can fulfill my role
	as a world citizen for global peace.

25. *Ada Aharoni*. IFLAC Founding President, Poet, Israel
To My Palestinian Sister

"They shall sit every man under his vine and under his fig tree and none shall make them afraid" (The Bible, Micah, 4, 4)	
"The Man who walks with Peace – walk with Him!" (The Koran, Sura 48)	
My Palestinian Sister,	Under our vines
Let us build a sturdy bridge	And under our fig trees
From your olive world to mine,	Blossoming on a silvered horizon
From my orange world to yours,	Above the bruising and the bleeding
Above the boiling pain	Of poisoned gases and scuds.
Of acid rain prejudice –	So, my Arab sister,

And hold human hands high
 Full of free stars
 Of twinkling peace
 I do not want to be your oppressor
 You do not want to be my oppressor,
 Or your jailer
 Or my jailer,
 We do not want to make each other afraid

Let us build a sturdy bridge of
 Jasmine understanding
 Where each shall sit with her baby
 Under her vine and under her fig tree –
 And none shall make them afraid
 AND NONE SHALL MAKE THEM AFRAID!

26. *José Maria Lopera*, Poet, Spain
 Where is Peace?

How terrible is the anger of the men that kill,
 of the volcano that inside melts down
 feelings,
 `til souls break in a crater of extermination!
 What storm, what thunder, what flash of
 violence
 seeks to kill or mutilate those who are
 innocent!

 Where is the light of the smile, placed
 by God into mankind that it may love?
 And where is it, the light of awakening,
 that shines between men when they live
 in harmony?

 Where is it, Peace? Tell me. Where is it?
 Is it in the science of peace that condemns
 the Nazi genocide of Auschwitz
 or in the macabre science of Hiroshima?
 Is it for thousands of years in the mind
 of the men who kill with their science?

 Time itself cries complaint in the seconds
 when
 a shell delays even the terror that you
 feel,
 and when it goes off, in its smoke you can
 breathe
 the pleasure to feel life amongst the dead.

I knew as a child the smell of my blood
 in the horrible panic of the whistling bomb.
 I overflowed with the hurt of my wounded
 flesh,
 the lacerating fear that time does not cancel,
 and the scream that I bear that curses war.

 And you who speak so much of God,
 who invoke Him so often against the rest,
 who worship Him so much in his justice,
 what rubbish soul do you keep Him in?

Tell me. What race, what land, remains
 for you to defend or else to attack
 with fangs of fratricidal hate
 if your fanaticism isn't worth
 the dying breath of a single child?

 If God is the LIGHT of life in
 HARMONY

 And an eternal source of a LIBERTY
 sublime...

 Where is the PEACE that He put in your
 spirit?

 It is in the seed of science to sow it in
 your mind,
 that save from the blades of death our
 wounded earth!

Translated: Frank Sanders and Isabel Miguel

27. *Zaure Hizatolla*, Poet, Kazakhstan
 Peace

There is a force of intention – the century power!
 To know possibilities of unknown boundaries
 I call upon the Human sovereignty –
 Peace creates among the earth pages!

28. *Yevgeny Yevtushenko*, Poet, Russia

Do The Russians Want War?

O, do the Russians want war?
Ask of the stillness evermore,
Ask of the field, or ask the breeze,
And ask the birch and poplar trees.
 Ask of the soldiers who now lie
 Beneath the birch trees and the sky,
 And let their sons tell you once more
 Whether the Russians want...
 Whether the Russians want...
 Whether the Russians want war.
Not only at their country's call
Did Russian soldiers fight and fall;
They died that men from ev'ry shore
Might live without the fear of war.
 Ask those who fought, and those erased,
 Ask those who at the Elbe you embraced.
 These monuments are only for
 To show if Russians want...

 To show if Russians want...
 To show if Russians want war.
Yes, we can fight when fight we must;
Be we don't wish to breathe the dust
Of soldiers brave from ev'ry clime
Who give up life before their time.
 Ask of the women in our life,
 Ask of our mothers – ask my wife –
 And you will never wonder more
 Whether the Russians want...
 Whether the Russians want...
 Whether the Russians want war.
Their answer rises loud and clear
For all men, everywhere, to hear.
The message now is as before:
The Russians do not want...
The Russians do not want...
The Russians do not want war.

29. *Adolf Shvedchikov*, Poet, Russia

War Tornado Wanders around the World. Peace to XXI Century

In the dark sky collided two formidable
flows,
Terrible tornado was born.
All hidden power suddenly woke up,
The monster hell spread over the earth.
Enraged wind howls, vortex rotates with
diabolical force,
Life exploded, everything collapses,
Overnight living goes to grave.
Defenseless against the dark forces of
nature,
What are you, mankind, wisely decided?
You are not afraid of the gods, you was so
wise
To create tornado of war!
This monster wandered on this planet for
centuries,
The mind is asleep, everywhere is heard
only moan of people,
Lift up your spirit, we will help us by
ourselves,
Let light up the world finally under the rays
of freedom!

History does not learn anything, how it can be?
We are born to suffer or to love?
Such sweet words: peace, freedom, quite!
But our shoulders are on pain of death,
When the bombs hang over our heads.
Fold the history in a box bloody twentieth
century.
Who we are, human beings or dinosaurs?
Come to a stop, mankind!
Year after year, are running away,
Released a short period of time.
Who will do the politics at the crossroad of
centuries?
Will still remain everything, as before,
In the flow of centuries and rivers,
Will we see the light of hope at the end of
tunnel,
Say, twenty-first century!
Politicians and businessmen, scientists and
poets,
Tell me, what price we should pay for it?
It is time to drop the mistrust,
Forget past grievances, let open the doors
In Gardens of Babylon!

30. *Yuri Tsimbalist*, Poet, Russia

No to War! Dedicated to L.M.S.

Grey-haired aged man creates
Fundamental Foundations of Global Peace.
Computer, wife, bed-sitting room
In the ring of St. Petersburg rivers and
wonders...
The goal of his high efforts is building
Of Planetary Union of free republics
Without wars, riots, genocide and evil.
He uses words and deeds to realize this idea
Taking into account tetrary approach for the
world.
Well, someone accepts it, and somebody is
not happy.
Just the same capricious Lyre led poets
Age after age to the brilliance of late awards...
There seemed, everything is right: harmony,
happiness,
Love and prosperity, live and create!
But today authorities in Washington
And bloody business takes control over
world.
Heartless destruction of ancient civilizations,
It is the script of Nazi and the servants of
Satan.

UN looks like the League of Nations,
On the watch for a new and awful war...
Elite quartet press peace on the planet:
Obama and Cameron, Merkel, Hollande.
And the bullets of gangs nurtured by
“democrats”
Kill everywhere innocent children.
So how many more killers of culture, hope
and love
Will be awarded by “Peace award”?
Will anyone awake by warning bell?
Save, Good Lord, and bless
The people of the earth to the holy battles
For the right to be human beings.
Teach of power-hungry men to understand
The foundations of peace and become wiser...
And again – St. Petersburg, bed-sitting room,
Computer, wife ...Day after day,
The gray-haired man drew a Peace line for
people
And presents the fundamentals of science
about it...

Translated by Adolf Shvedchikov (Russia)

31. *Tatyana Vorontsova*, poet, Russia

Where is the Conscience Border?

Our planet has not enough power
To give us happiness and warmth ...
Wars dominated around the world
And spread the vortex of evil ...
Again Asia is burning ...
Countries in Africa in the fire ...
Ukraine tear
Those who are committed to a purse ...
Each pulls the blanket to itself,
To become enraged ...
The world is ruled by power of money,

Not by love ...
There is no unity, understanding ...
Everything is like in the dark middle age ...
On hands of the Universe
They burn the people forgetting about the sin
...
Until when? It is time to stop...
How many victims in the name of a lie ...
Where is the border of the conscience,
Say, Mankind ...

Translated by Adolf Shvedchikov (Russia)

32. *Nina Yudina*, Poet, Russia

Peace Defeat War

Ares, you are God of War and torture!
Lay down your sword, and let the earth
breathe!
And give it to hear other sounds,
In order to not to scare away the silence!
Let's beat swords into plowshares
And the battlefield let overgrown grass!

And the heavens will hear the song of the
chorus,
Where every sound is filled with a spring!
Land will sigh, happily smiling,
The waves struggle over continents...
And the song of love will float over the world
And everyone will forget about war!

Translated by Adolf Shvedchikov (Russia)

On the GHA Tenth Anniversary!!!

Already ten years a struggle goes!
Not for the throne! And not for the money!
We worry about the Earth fate!
We stand on the cracked step!
And among gray, menacing clouds
Hope is sparkling by purity!
Global Harmony Association is mighty!
It is growing stronger with peace, as before!
Such kind words:
Let us join hands, friends!
It does not matter what kind of faith
And color we have!
We do not care where we live,
What songs we sing!
We are the people of one Earth!
We are born in Harmony!
Yes, dawn will come!
With happy decade, friends!

**February 15, 2015 is the Tenth
Anniversary of the Global Harmony
Association (GHA).**

Translated by Adolf Shvedchikov (Russia)

On the GHA Tenth Anniversary of Peace from Harmony!
(Leo Semashko's redaction)

The struggle for peace passes through years,
And its result is the wars again,
With peace bloody marks:
Peace always lived among them,
From one to other war.
But ten years a struggle goes
For peace from harmony instead from war,
For harmonious peace and not the military!
It grows not out of power and wealth,
And through the mind, science and consciousness –
The merits of human spirit!
We worry about the Earth fate of people as
We stand on the cracked war step!
And among the gray, menacing clouds
Hope is sparkling by purity!
Global Harmony Association is mighty for peace,
First it is growing stronger by scientific reason –
Through the GHA Global Peace Science!
Such kind words:
Let us join hands, friends!
It does not matter what kind of faith
And color we have!
We do not care where we live,
What songs we sing!
We are the people of one Earth!
We are born in peace from Harmony
And now we are armed with peace science,
To kick out the war forever!
Yes, dawn will come!
With happy decade, friends!
Let us join hands in peace from harmony through science!

33. *Svetlana Vetrova*, Poet and Bard, Russia Does a Woman Need War?

Does a woman need war,
When she plants roses and waits
For the stems to shoot up and
The buds to open?
Does a woman need war,
When she holds her stomach with her hand
And speaks with her baby, and waits
For him to come into the world?
Does a woman need war
When she bakes a pie for her beloved
husband
Or for her aging father, and life flows
Evenly like a deep river?

Does a woman need war?
The rose has grown and the son has appeared,
And together in the home are both father and
husband –
All this fragile world would be destroyed in a
second
And the woman will remain alone.
Why should she need such a terrible, bleak,
and brutal war?
One that is deaf to the pleas and moans,
A war which is carrying away all Hope?

*Translation William Parsons,
St. Petersburg, Florida, USA*

34. *Katherine Semashko*, 20 years, student, Russia

We are Committed to Peace

All we are committed to peace
We all aspire to happiness
So why should we fight
And each other to kill?
If you can live in peace
And other protect

We will be an example to children
What would they do not know wars.
To the world was full of happiness
We need to agree
All strive together
And make one's peace.

35. *Elena Sazhnova*, 12 years, Donetsk, Ukraine

To Petro Poroshenko!

If you decided to fight with the children –
That's not to bomb – personally kill!
If you do not consider them as humans,
Then do not be afraid – right in the forehead
shoot!
Look to their open eyes
And do not tremble – direct from the shoulder
chop!

Let the "terrorist" baby tears
You will not confuse – you definitely win!
If children are guilty for everything,
If you the kids have already been sentenced
– Go, kill them alive,
After all, you are "heroes"!
"Glory" to Ukraine...

36. *Polina Semashko*, 9 years, Russia

Peace

Peace – when the sun shines!
The clouds in the sky float and
Butterflies fly so quietly
What do you hear how the birds are singing!

And can hear how the boys play
In football in the yard.
Let the sun and joy
There will be always and everywhere!!!

37. *Stephan Semashko*, 9 years, Russia

For the Victory of Peace

Old great-grandmother told me
As with breast baby she escaped from the Germans,
As fascists bombed their train
And killed women, children and the elderly.
Only a miracle saved them from death.

Let this be the last war
So that no one has ever bothered me to
see mom and dad.
Peaceful life is happiness and joy
And my mother's family hands.

38. *Leo Semashko*, Russia

Peace is Life, War is Death

Peace gives birth to children,
War kills them.
Peace shines by the sun for people,
War buries them in the grave.
Peace gives people joy and happiness,
War brings them sufferings and sorrow.

Peace is love and good of people
War is their evil and hatred.
Peace needs a reason and harmony,
War is enough madness and hostility.
People, what we want: war or peace?
Death or life?

39. *Leo Semashko, Russia*

Russian Civilization: Harmony and Inseparability of World and Peace

It has long been observed, more than a thousand years,
What the Russians have one word for two different things at other nations:
WORLD and PEACE are one indivisible fused MIR.

In similar way the Russians want to live forever and always.

For the Russians the life/World is MIR/Peace, at the same time,
War is death, destruction of MIR/World and ruin of MIR/Peace.
Without MIR/Peace no exists MIR/World and vice versa!

The Russians can live in MIR as in social world of people

Always in MIR/Peace, without wars with people and nature.

For the Russians is one MIR, in which World is inseparable from Peace,
And Peace is inseparable from the World.

Heart of one MIR at the Russians is harmony and consent or
Concord and consonance both between different nations and with nature.
In the Russian harmony two different for others merge into one:
World and Peace to MIR. It is Russian soul, spirituality and character.

Hence the Russian greetings to others are: MIR and Consent or Peace and Harmony.

It is peace-loving spirit of the peaceful Russian Civilization and Culture,

Sung by the great Russian poets, writers and philosophers:

Pushkin, Dostoevsky, Tolstoy, Roerich ...

So the Russians never wanted to fight and attack

But they are always crushed down the aggressors ...

It is no accident on this rich spiritual field of Russian peacefulness
Was born the world's first Global Peace Science.

Where harmony of World and Peace as the WHOLE MIR was discovered

In SPHERONS, harmonious classes – natural actors of MIR as World/Peace.

Therefore Russian civilization inspires now the nations of MIR/World

Through common scientific knowledge to MIR/Peace on the planet.

40. *Leo Semashko, Adolf Shvedchikov, Russia*

Two Marxes

(The Attempt of Philosophical Poem in the New Century)

All truly new is on a brink of madness of the old

Truly, there is a new

Which appears on the edge

Of sanity of the old and put into Word,

In the Word of God's gift.

Once epoch creates

Titans of thought.

It trusts Titan

Collecting for his all by crumbs.

Marx was Titan in XIX century

With his monism and "Capital",

With his economic GDP,

Which arranges everything.

History is battle of the feud classes,

When the masses fight to death

Desperately, without reconciliation.

Elite sinks in luxury,

Worker is still in need,

Each gets one's just reward,

Thrones rock and crumble!

But it is a *Pyrrhic victory*,

It is a sign of mental weakness.

Marx XIX is no lone genius of violence

Within of industrial civilization,

Leading to militarization,

To the suffering of all generations.

Now appears Marx XXI Titan

From Absolute of harmony and pluralism

Of new social organism,

This is a whole on the nature.

Marx XXI tells on conscious work of

Harmonious four classes – SPHERONS,

Which work without wars and feud,

Ensuring the survival global quota.

He created peace from harmony science,

Predicted the militaristic Empire fall,

Opened the new doors for humanity

To a world without war cacophony.

Marx XXI is the collective genius

Marx XIX opens four productive spheres
Of united economic organism
Of class feud and endless struggle.
He created the science of violence
According to *Caesar*,
"prepare for war,
if you want peace".

Of a harmonious civilization.
While this is only the first conscious sprout,
But wait, world will see with peace science
A lot of blooming flowers of harmony
As eternal dream of nations!
Marx XIX is Titan of violence,
Marx XXI is Titan of harmony. It is GHA!
To stop the agony and give wings humanity!

41. *Leo Semashko, Yuri Tsymbalist, Poet, Russia* Human is Not War, but Peace from Harmony

Who created human? The God-Creator or Devil?
Maybe, a blast from the chaos brought us his grain,
What on Earth, long ago, in bypass of ancient rules,
A rational creature became suddenly. It's possible.
But there is an option of Higher Power,
Where a whole range of unknown ideas was synthesized.
In creating people the Power embodied
Idea of HOMO SAPIENS and suffers with it!
Giving the right of choice to the subject – every person,
That Power has long been just watching the fight,
What transformed into war threatening to forever
To say goodbye to us with Earth moving us into another world...
About it we learn only through the titans works.
One of them is Karl Marx, the father of "Capital".
Now his teaching is hardly "eternal" will be:
As "Violence Titan" before the world he appeared.
Karl Marx defined: violence is a way to enrich elites
And "highest class" lives at the expense of "the lower class" –
And other, outside of class struggle, ideas no exists...
Marx was wrong. Dreaming of the future world,
He laid on the way to it a mine excluding from it
Harmony and love which the world was created!
The time has come to understand and unite around them.
The Global Harmony Association – it is a measure
And principle of community for civilized people.
Here at GHA was born the collective genius.
He absorbed the past thousand years ideas, discovered SPHERONS –
The deep structure of harmonious classes – and gave an answer to
Marx's antagonism and war: Peace comes from Harmony through Science.
It is the Global Peace Science!
Marx did not know it. But he laid the first stone
Of the four productive spheres in its foundation.
Global peace grew on it by the four SPHERONS' hands and science;
They freed the world from the superpower tyranny and its wars.
So the GHA, collective genius of harmony Titan,
Revealed the millennial dream of Human as
Peaceful HOMO SAPIENS from harmony through its scientific awareness
In harmonious education to ensure global peace and prosperity to all nations!

The GPS Editor in Chief Note. The last two verses are written on the basis of article "Two Marxes" (below). They are an excellent example of multiplication of creative energies in their collective synthesis in the GHA spirit! This example is the final and significant in our collective creativity of GPS. I do not tire repeating that without this collective work no GPS or previous seven books in 10 years of GHA existence could not appear. Of course, the role and contribution of each is different, but without the main thing, without multiplying energy in the collective effort

would not have been our unprecedented achievements. Therefore, GHA and his creativity are defined as "new Marx!" HE IS BORN IN OUR COLLECTIVE CREATIVE EFFORTS OF INTELLECT. This is the finest, softest and inconspicuous but the strongest creative energy of harmony and consonance. This is a fundamentally new creation with principally new result: instead of violence – harmony, instead of war – peace, etc.

No individualistic efforts were unable to lead to reach similar results to the main discovery of our century – to discovery of SPHERONS as natural objective actors of global peace. Therefore, a low bow and many thanks to each co-creator of GPS, one part of who, regardless of his/her contribution, fills us with new creative energy and multiplies it. Only in this GHA "Melting cauldron" of creativity could come fundamentally new Global Peace Science (GPS) and unprecedented revolution of social sciences, knowledge and thinking! I am happy to congratulate each and all the GHA member, especially the GPS co-authors with this historic achievement! Of course, this is only the first conscious sprout far from perfect and full of flaws, so it is open to an endless evolution in the future.

Articles

42. *Leonid Timoshenko*, Composer, Philosopher and Pianist, Russia

The Harmonizing Art of Planetary Peace: Music

Human activity becomes possible through continuous flow of two streams of energy, the downlink and uplink. The accumulation of energy necessary for stable operation of the body, is carried out in the energy centers. Each of these centers gives outward energy and gets her in contact with the environment and people. This exchange may be **harmonious or destructive**.

The survival of civilization has shifted from the realm of technocratic in the field of Spirituality, in the scope necessary understanding of each person of the Earth of its moral responsibility for the evolutionary path of development as the fundamental Law of the Cosmos.

Harmonious society is a society of the new "creative person" in scale and perception – the mind is a blank, with an open mind, broad knowledge, a philosophical turn of mind, global coverage of vital interests, a love of nature, people, art. It takes a certain ideology of life – the joy of creativity, the discovery of the own talents and giftedness of others and participate in the General programs of the global system of creative employment.

And of course, the unique abilities of people are the core value of humanity. The gifted man is high grade of personality. And assessment of giftedness can give only a gifted. Talent is given to us as a "Gift from above" to advance the strategic plan in the development of man himself, and at the same time, it allows you to draw a picture of the perspective of the development of mankind. The opening in the person of his talents is immense joy is and it is not comparable nor domestic success and monetary rewards. "A creative person" is constantly creating new spaces actively working brain cells, which before was in a disconnected mode.

All people basically have almost the same initial capital – the number of brain cells – neurons. Only a small portion of these cells are involved in the working mode, the rest are disabled, as it were, dormant. Active areas of the brain are only 10–15% of the total volume. So, all people have the same supply of brain cells to develop themselves. ... The baby inside mom doesn't see the outside world, **but he hears it!** It turns out that the brain of a child comes from the voices and music.... Music can be the basis for the first development at a very early age, namely before birth. This music should be harmonious and sensual, with lots of information. The child will react to the subconscious, and his active points and neural connections in the brain are significantly increased. Already, at this point the child will begin to develop your brain – the blank sheet of paper on which our World will be writing all his life.

When the child was born it is very important to continue this invisible training "human noble" by his communion with high musical art. And now, if correctly placed accents in the formation of the "personality – noble", from her very birth, then we will be able to change the disastrous situation that exists in our society, due to directed technologies of **militaristic destruction** of the psyche of children and adolescents. Music relates to fine arts which not only decorate the life but also **harmonize the inner world of human** in all of its four fundamental

eternal spheres: **character, consciousness, will and body**, which are disclosed in "*The ABC of Harmony*" (2012) in its "psychological genome (PSYNOME)" of the individual.

Music is the most beautiful and harmonious thing in the world that can be achieved by people. The thought is also of music. Every correct idea is the right combination of tones. If a man thinks and understands correctly, this is the best music that exists in the psychic world. Music is the movement of beauty. But among different kinds of art, **music is the most important because it is built according to the Universe harmony laws, where reigns the right proportion and the right rhythm**. When you hear the music you like, it sets up and leads you to harmony with life. Music adjusts to a harmonious way as the inner spheres of personality among themselves and with external spheres of society and nature. **Beauty is born from the harmony** at all these spherical levels and between them. **The beauty of music is born by the harmony of the spheres** of cosmos, society and the person.

At the same time human music is a science, and you have to learn it consciously to penetrate its deeper meaning and to understand the consonance of Global Peace Science full with **harmony of SPHERONS as social music**. The greatest prophets, philosophers, peacemakers and social reformers of the past were great musicians. Music penetrates further than may penetrate any different impression of the world and only a philosophical, religious and sociological imagination is like it. Music returns world to the source that created it to its spheres. The whole world is one musical composition of spherical harmony.

Creative self-development of the individual begins to take an avalanche-like nature of the process. His/her internal dormant talents are manifested one after the other. Human discovers in himself musician, musician opens the artist, the artist discovers in himself choreographer, choreographer opens a sculptor, sculptor opens up the poet, the poet discovers philosopher, the philosopher discovers in himself the statesman, the statesman discovers in himself the sociologist, the sociologist opens in himself healer, the healer discovers in himself Teacher. **It creates a Society of Harmonious Consciousness as Society of Global Peace from Harmony through Science and Music!** This society excludes wars and violence.

The society of Harmonious Consciousness or Global Peace Society is, first of all, a Society with ethical norms of non-violence, honesty, without complexes low passions, where people with an open peaceful mind and philosophical mindset. The society of Harmonious Consciousness lives in love and peace from harmony, it is a stranger to envy and meanness, hostility and fanaticism. The human in this Harmonious world is harmonious essence of the universal scale. And its first step is Harmony of Music for Peace!

43. *Takis Ioannides*, Dr. Lit, Poet, Writer, Journalist, Researcher, Greece Peace Maxims for PEACE

1. The water from the Source of Peace quenches the thirst of the passions of the soul.
2. By embodying the harmony of Peace, we pay off the gift of our existence in this life.
3. If you wish to fly high up and reach the Peace top, you must use both the wings: respect and dignity.
4. Anyone who speaks the Peace language can communicate with all creatures of nature and be with them in harmony.
5. By sculpturing the soul marble with the chisel of harmony, you form the Peace statue.
6. By walking along the Path of Peace you reach destination in dignity.
7. The absence of peace in our world proves that humanity fails to understand the valuable teachings which emanate from the mistakes made by humanity in the past.
8. War gives human faces and souls deep and festering wounds whilst Peace offers them a sincere smile and happiness.

9. Today's conscious actions of Peace are the only ones that can expiate the erroneous past choices of humanity.
10. Only with the final restoration of Peace on our planet we shall be able to reach the magnificence of the genius of life.
11. When the triumphal hymns of Peace sound, the inharmonious clang of war stops.
12. Choosing harmonious sustainable Peace, we escape from war.
13. By adopting global peace from harmony through science, humanity will be able to associate with the harmony of nature at its highest manifestation.

44. *Susana Roberts*. Dr. Lit., Writer, Poet, Argentina
 Spirituality of Harmonization in Art of Global Peace

Do not forget that our creativity in a whole is the affirmation of human intelligence and the implementation of divine will in our collective efforts.

We know that Global Peace Science (GPS) from harmony was created on the basis of Tetrism (Tetraphilosophy) as philosophy and science about harmony discovered by Dr. Leo Semashko since 1976 and developed during 2005–2015 jointly with GHA members – intellectuals of all around the world that trust and support his philosophy. GPS is the only way to create a prolific field of interrelation of positive knowledge to establish a new paradigm, a new way of sustainable peace that preserves life on the Earth.

Tetraphilosophy is a pluralistic four-dimensional dialectic philosophy of harmony in nature, society and personality so necessary to arrive this actual turning point for humankind. This philosophy recognizes the four universal world spheres of harmony that cannot exist separately, therefore they are inseparable, always single in diversity, diverse in unity and existing only as mutually inclusive (nesting).

They are equally essential (necessary, required) and each cannot exist without the others.

Harmony is equally inherent in its four elements/spheres in their unbreakable unity. Society is harmonious unity of four spheres of social production: Sociosphere, Infosphere, Orgosphere and Technosphere (see in details Chapter1). They possess equal opportunities to create and support harmony as a way of keeping their peaceful coexistence in balance. Each of these four deep structures is capable advancing harmony as a unity of diversity. None of them has the monopoly for harmony. The holistic knowledge of the world harmony of the four spheres in their dialectic unity continuously develops in Tetrism through the synthesis of the required knowledge from all sources. Tetrism is a worldview and ideology of a harmonious civilization that provides all-round conscious cultivation of harmony by each society and each person according to their individuality. It is the most profound and reliable basis for global peace in the society. In this spiritual framework a harmonious artistic consciousness in general, especially for global peace develops. Its sources are defined by the breadth and depth of mutual ties.

Arthur Koestler in his book *"The act of creation"* (1964), says "... the greatest inspirations, the results called "creative process", occur only in minds that are widely prepared by saturation in relevant disciplines, to see connections hidden. You have to know well the old to reach new and is still true that hard work and continued practice, are the precursors of creative achievement." Consciousness is able to lit thoughts and turn a desert into a garden in this modern society away from all moral and ethical sense leaving

the human beings in the blossom of consumerism and violence. Writers are an important part of this enlightenment given form and transformation that give sense to life in times where world societies are emerging very successful in technology but sinks into its protagonists: citizens, consumers, savers, workers, the unemployed, single, married, a situation growing uneasiness, an overwhelming lack of transcendent foundations. Hölderlin said: in the place where burn, there where hurt, just there is the way of the salvation.

Literature for Peace is necessary to be implement to any corner of the world as a need to improve the planetary environment for benefit of people, and children start learning other language, the language of soul, a peaceful one. Children should study the language of peace and GPS. They will be who govern in the future, in universal brotherhood. It is our duty to give them tools for education in the bases of harmonious culture from which the global peace fruits grow. One demonstration is teaching them from the cradle these principles as I try to do into Spanish culture with my book: *Art and virtue in human evolution* (2013). I believe that Creation is a mean that communicate, teach and give reflection to people in the way to take conscious of the actual crisis and the awareness for changing as a possibility to save the world from destruction. To stop wars we have not fight only with words, but transform this energy of ignorance and lack of love into creative energy of transforming the planet from an old type of civilization based on competition and consumption to a new, harmonious and peaceful one based on cooperation and inner awakening we have to do with respect, justice and goodwill.

I believe that creativity in GPS is very important. We are experiencing problems never seen or experienced before. I think we should learn again, educators and families to rescue respect for human values, this is what will save us, starting to regain the family. Every day more children are alone because parents do not have time for them and there are many children and teenagers who have little time for their parents. The crisis began in the destruction of the family and that's what will destroy the peace in the world. We ourselves need to overcome ignorance in GPS, in understanding its key concepts SPHERONS, SOSIONOME and others, because without them, we will never build a new, harmonious and peaceful economy, politics, democracy, finance, law, education, and so on. Without this new humanitarian and revolutionary knowledge that is built on the new values of peace and harmony but retains all the traditional values, we will never be able to maintain and develop the new century family. Without it, we cannot transform the traditional school to a new school, aimed at peace from harmony and not on the consumption and violence.

The crisis and the destruction of society begins with the crisis and destruction of the family and education. GPS creates a powerful innovation and value spiritual platform for their recovery and development, together with science, art and religion. We must face this actual crisis with simplicity, generosity, goodwill, understanding, friendship, spiritual values, inner beauty and truth ... With a new interpretation the past in which: past, present and future of humanity closer to God not necessarily based on any religion but faith and respect for the primitive God of mankind through its many messengers; Jesus, Muhammad, Zoroaster, Krishna, etc., reflected an education plan in spiritual cultivation and moral capabilities inherent the nobility of human ready for evolution.

45. *Yuri Tsymbalist*. Poet, Russia

Let us Leave Love for Harmony to Descendants!

*Into us live the labour and force of those who lived before us.
May in turn the future generations
will be able to live thanks our work, thanks
the power of our hands and our minds. Only in this case
we worthily fulfill our destination.*

J. Fabre

What kind of work was not engaged each of us, our life will have meaning only when at least a fraction of us produced "product" will be useful not only our but also to future generations, even if we never learn it. Yes, a lot of things that are born by the mind and hands of human, hardly perceived living contemporaries and subsequent generations often forget much of the accumulated earlier. Therefore very important contribution to preserve the Golden Fund of civilizational achievements is the selfless efforts of scientists from different countries in the promotion of comprehensive knowledge in education, science and culture of our time. I wish the new technologies do not allowed so-called "mass culture" and militaristic aspirations of many countries to gain priority in development of mankind and to lead it to degradation and destruction. I want also that Global Peace Science (GPS) emerging today in the Global Harmony Association (GHA) as a synthesis of many fields of science and achievements of world culture, has not remained just a concept in the dictionaries and has taken a worthy place in a complex system of knowledge and got needed development in the future. I want to tell you about some interesting projects related to science and art, worthy of implementation in the near future.

It so happened that after 30 years of separation, fate brought me again with my friend since 1959 and classmate of the Kharkov Aviation Institute Alexei P. Stakhov. After reviewing the scientific works of Dr. and Professor Stakhov in the discovered him field of Mathematics of Harmony, I became a member of popularization of his ideas of Harmony and Golden Section since 2009. In October 2010, at the initiative of Stakhov in Odessa National University name Mechnikov was the First International Congress with theme "*Modern Aspects of Harmony Mathematics and its Applications in Economics, Science, Technology, Society and Education*". Its materials are published on the website: <http://sites.google.com/site/harmonymathkongress>. The several dozens of scientists from around the world were able to share their thoughts on this Congress. The special collection of their articles was published also here: <http://instituteofcreativetechnologies.com/>, section "Publications".

Such meetings, except exchange of achievements and planning further development of science, are very valuable by human communication and acquaintance with new people. I can name a number of wide scientists with whom we met, first of all, Alexander Chechic (Ukraine), Edward Soroko (Belarus), Nicholas Semeniuta (Belarus), Grigory Martynenko (Russia), Leo Semashko (Russia), Ivan Rayliane (Chile), Oleg Bodnar (Ukraine) and other.

After reviewing the GHA activities, the President and Founder of which since 2005 is Dr. Leo Semashko, I and my wife became the members of this International organization. We objectively assessed peacemaking nature of the GHA projects and the fact that they are connected with scientific achievements of Stakhov, Sergienko, Soroko and other scientists in the fields of Mathematics of Harmony, Golden Section, structural harmony of systems and Semashko in science of harmonious civilization – Tetrphilosophy and Tetrasociology. On the Congress final day, I read before its members my new poem, composed and recorded in the Academic Council hall under the influence of heartfelt community of scientists. By the way, the number of poem lines corresponds to the number of figures Fibonacci (2, 3, 5, 8).

So, overcoming pre-stress,
 Today ended the First Congress.
 Gently wet weather scolding
 And loyalty to trinity storing,
 Scientists of the world “battled” three days
 To come progress in the world,
 So people believe in the righteousness of forces,
 Born Universe only for Good
 So we returned the Golden Time
 Without wars and hardships, without Evil and bitter tears.
 Let warm our souls again pure light,
 And a touch of white birches,
 And Canadian maples and spring noise
 Let's all protect from various threats.
Harmony, Faith, Hope, Love –
 Sacred words are. May they sound again
 From the mouths of all earthlings. Yes, it is naive, but – all.
 And this is the Congress main success!

Under the influence of the Congress creative aura a very important idea arose. Among the Congress resolution items, that relate to further development of the scientific disciplines, there is such:

"12. Support Dr. Kryuchkova's initiative to establish in Odessa or Crimea the complex of buildings, designed on the Golden section principles (complex, including a hotel in the form of a scallop shell, a research center, educational institutions, infrastructure and other objects). Ask Prof O. Bodnar to initiate the architectural design of this idea. Ask all members of Congress to participate in this initiative".

When a member of the Ukraine National Academy of Arts and National Union of Architects, Dr. of Arts Oleg Bodnar sent to me friendly a few photographs of the proposed project of World Centre of Harmony and Golden Section (WCH), I was just amazed: this project is a great Creation of Wizard and embodiment of love to harmony! (Unfortunately, due to limited resources, his drawings were not published in this book). The location description of the object included phrase "complete freedom of ideas about the situation nature – the sea, typical of the Crimean landscape".

Now is about my vision of the future of this great project. As I mentioned above, familiarization with the GHA activities in 2010 determined my support its activity. Among its many projects I noticed a grand project of the International Academy of Harmony (IAH). The purpose of its creation is very clearly formulated by the GHA President here (1.2. Brief definition: http://peacefromharmony.org/?cat=en_c&key=277):

“The World Harmony Academy is the beginning, source and generator of general harmonious education all over the world in this new century. General harmonious education is an education of children, youth and new generations as harmonious world citizens on a global scale. It is a long-term project, but it is the most effective way to achieve indestructible harmonious culture of peace. The distribution of WHA and harmonious education worldwide can bring about, within 15 to 20 years, the cessation of all modern wars as well as the prevention of all wars in the future. The WHA is the most effective action for peace, for common good and prosperity. Therefore the WHA is the most effective World Peace Academy simultaneously.” Today, the WHA idea has become the International Academy of Global Peace (IAGP) for the BRICS countries (Chapter 10.14).

Today, after five years of the first Odessa Congress, considering objective increase the peacemaking role of Russia in the world and a deeper immersion of the USA, NATO and the West in general in militarism and aggression, **I visibly see the need to join both projects: the IAGP (IAH) and WCG.** While, in connection with the return of Crimea into Russia, the implementation of this joint project on this Peninsula seems to me to be crucial. This synthesized project will provide not only the prompt adaptation Crimea within the Russian Federation and its international recognition. It may also be the beginning of new **peace-building cooperation between Russia and Ukraine in the field of science and culture**, making this integral project **IAGP (IAH) and WCG** by symbol and instrument of world peace!

It will be the development of foundations for harmonious civilization, laid back in the ancient times. Crimea's nature itself is a miracle of harmony and inspires its!

I hope that my proposal will be heard and implemented by the governments of two countries to keep our love of Russia and Ukraine to harmony to maintain the chain of good memory and pass it to the future generations.

I am a radio engineer by education, however, also a musician, composer, poet, member of the Union of Writers of Russia (UWR) and member of the Moscow UWR Council.

46. *Leo Semashko*. GHA President, GPS Editor in Chief, Russia

Two of Marx, Two Titans: Two Civilizations

(Attempt of philosophical poem for the new century in prose)

All truly new is on the brink of madness of the old.

Each civilization requires Titan of thought. Each epoch produces it.

Marx-XIX is Titan of violence of industrial militaristic civilization,

Marx-XXI is Titan of harmony and harmonious peaceful civilization.

The first comes from the absolute of economic capital and one-dimensional materialist monism and one-dimensional militaristic democracy obsolete.

The second comes from the absolute of holistic in diversity harmony and of its multidimensional, tetradic pluralism.

The first inspires freedom of unlimited material luxury of elite at the expense of ruthless exploitation of nature and the poor masses.

The second encourages freedom of unlimited full harmony, above all, the spiritual riches of all the people, proportionate to nature and humanity, limited in material part and boundless in spiritual part.

Marx-XIX saw the history as a war of the peoples and struggle of antagonistic classes for capital and power, recognizing violence by midwife of human progress.

Marx-XXI sees in the history of natural, non-violent, intuitive operation of four equal necessary harmonious classes SPHERONS, employed in four spheres of social production of four fundamental resources needed for human life every day.

The first discovered the four fundamental spheres of social production but found in them only antagonistic, eternally warring private classes.

The second discovered in the spheres of social production the four universal harmonious classes of the population, SPHERONS, employed in the spheres and ensuring global peace and survival of humanity. SPHERONS are the key discovery of Marx-XXI.

Marx-XIX created the science of violence, class struggle in the two forms of dictatorship, totalitarianism and empire, equally anti-democratic: 1. First of all, in the form of **the proletarian dictatorship or socialism** in Marxism and 2. In the form of **the dictatorship of unchangeable economic-financial-militaristic elite of capitalism in the face of the richest people is not more than 1% of the population**. This dictatorship is justified in the different currents of liberalism by various liberal followers of Marxist economism. "Democracy" for these forms of dictatorship is no more than a smokescreen and screen. The true democracy is excluded from them.

Marx-XXI created **Global Peace Science or science of social harmony of SPHERONS, nonviolence and their true, spherical democracy**, which excludes the two historical forms of dictatorship and totalitarianism and discovering **the third, harmonious, peaceful and nonviolent path** of global development rejecting capitalism and socialism but integrating all their achievements able to serve social harmony.

Marx-XIX wanted to prove the superiority of socialism and the dictatorship of the proletariat but disharmonious experience of the Soviet empire and the USSR collapse has shown lack of its vitality. Also, the liberal empire of capitalism moves to collapse through helpless to solve the growing global problems and sinking in the endless series of crises.

Marx-XXI proved the collapse and change of one-dimensional industrial militaristic civilization in all its imperial forms of disharmony by born within its **multidimensional harmonious and peaceful civilization**.

The first was inspired by the Hobbes' ideas of "war of all against all" (bellum omnium contra omnes), "man is wolf to man" (homo homini lupus est) and the like: "If you want peace, prepare for war" (si vis pacem, para bellum), and so on.

The second was inspired by the ideas of harmony since ancient times, from the Indian Vedas, Pythagoras, Plato, Confucius, Buddha, and others who have been taught: "*Beauty/harmony of human nature establish harmony in the house, creates order in the nation and peace/prosperity in the world*" (it is the Abdul Kalam interpretation in his genius poem '*Oceans Meet*').

Marx-XIX is a lonely **national** genius of violence and militaristic industrial individualist civilization, who has found expression in the extreme forms of militarism and revolutionary (and other) terrorism, which dooms this civilization to extinction.

Marx XXI is the collective **international** genius of harmony of global community of worldwide harmonious civilization, **which was first embodied in the GHA in its 10 years of creative existence**. This Titan was embodied in the Global Harmony Association (GHA), **more than 50 projects and 8 books of which created during over 10 years of its existence are collective and international**, uniting dozens of peacemakers from dozens of countries. GHA provides a much broader creative scope for each person than industrial individualism. But this scope is not unlimited. On the one hand, it is limited with the space of harmony eliminating disharmony, hatred, violence, etc., and on the other, the harmony is for the GHA members, as for all, unattainable ideal, but unlike others, we try to understand it scientifically and go to it consciously, setting an example to society. GHA is only the first conscious germ of a new civilization, far from perfect but the opening for social harmony unlimited conscious, through science, evolution.

The first Titan has done a lot to understand of society but made a mistake in violence as its essence.

The second Titan could not be without the first; he stood on the shoulders of the first and corrects his error of violence by harmony through of Mahatma Gandhi's nonviolence.

Marx-XIX dreamed about happy future for all the people but the way of his violence was not able to bring to it that was proved the bloodiest twentieth century.

Marx XXI (represented by GHA and its adherents) also dreams of a happy future for all people and nations, but the only way of harmony and nonviolence, which began to practice in large scale the great Mahatma Gandhi as a source of Marx-XXI.

Humanity has completed the historic experiment with the Marx-XIX science of violence.

Humanity begins experiment with the Marx XXI Global Peace Science as Science of Harmony and Nonviolence.

Humanity will survive and prosper in peace only with this science and its consciousness!

The mankind entire history is the endless experiment on all the way of its evolution. The historical civilizations is the most extensive and profound experiments on ways to approach humanity to harmony and peace from harmony through science.

47. The GPS First Part Summary

The GPS World Sensation and How it Can be Explained?

Why GPS was not Before and Why it is Needed Now? SOCIOKOSMOS and Globalization as the GPS sources. *Leo Semashko*

So, as a result of a decade of hard collective work of GHA, before the eyes of humanity and each human appeared unprecedented, the first in the world and history book: GLOBAL PEACE SCIENCE – GPS! **The creation of this fundamental social science, integrating all sectors of social cognition, is the discovery of epochal scale! This is a world sensation!** We will not talk about the GPS shortcomings, which have all discoveries. The disadvantages and limitations of GPS open, like any science, the development path for many millennia forward. Without a shade of false modesty, that does not confuse true scientists, which pretend to the world discoveries in all areas of reality, we try to compare GPS with other world discoveries and fundamental sciences to briefly explain its value and appearance.

1. **GPS is a world sensation of the human mind, because it is the world discovery** at level of the most fundamental scientific achievements of humanity for all its recorded history in 6000 years.

1.1. **GPS is akin to the human output in cosmic space**, but in the social cosmos (SOCIOCOSMOS), remaining still, before discovery of SPHERONS unfolded in SOCIONOME, – terra

incognita or unknown social universe. SOCIOCOSMOS of humanity is hid from the eyes and mind of its enormous scale and extreme complexity. But it, as a whole, determines the laws and fate of all its myriad parts (PARTONS) in an infinite historical number of individuals, societies, states and their boundless institutions, attributes and processes. **GPS shows that SOCIOCOSMOS is subordinated to the laws of SPHERONS harmony through which it exists, survive and thrive.** Only those laws are saving SOCIOCOSMOS of mankind from militaristic suicide by conscious global peace of SPHERONS based on their science – GPS.

1.2. **GPS is akin to the discovery of a new nuclear, but a soft, harmonious energy of SPHERONS in society.** SPHERONS' energy provides natural sustainability, survival and development of humanity in all of its longest cycles, regardless of knowledge of this energy. It is clear that **knowledge of the new energy and ability to consciously control it qualitatively transforms humanity and its SOCIOCOSMOS, immeasurably increases the power of humanity and enhances its ability to survive and develop.** Positive energy of SPHERONS disclosed in GPS is capable, at its scientific knowledge and use, **to free humanity from all total pathologies of the preharmonious era, primarily from war, militaristic democracy (it is anti-democracy in essence) and from predatory exploitation of nature.** Therefore, GPS is the science not only global harmonious peace but and social health of humanity as a whole, in all its four spheres. As we remember, and global peace and social health of humanity is expressed by the simple formula of multiplication of social energy SPHERONS: $ES = SF1 + SF2 + SF3 + SF4$ (Chapter 1). This formula is also fundamental, as well as Einstein's formula ($E = mc^2$) although up to its calculation is still far.

1.3. **GPS is similar to other fundamental scientific discoveries and theories:** the theory of relativity in physics, periodic table of elements of Mendeleev in chemistry, the theory of human genome – DNA in biology, and so on. **We repeat the most important of GPS: global peace requires prevention of disharmonious causes of war in all spheres, directions and azimuths of social harmony, i.e. around SOCIOCOSMOS in general.** Its complete picture gives GPS in social genome SOCIONOME, in its 16 fundamental elements, the system and energy center of which constitute SPHERONS. Their integration function in social cognition is like an integral role of the named discoveries in physics, chemistry and biology. Therefore, among the social sciences only holistic system GPS, integrating almost all the social sciences, provides a solution of the issues to achieve global peace in its entirety. **The similar science in the arsenal of humanity does still not exist.**

1.4. **GPS is a revolution of social cognition and thinking, this is a breakthrough in science and history.** First for the first 6000 years of recorded history there was science to answer questions about the objective cause of global peace, discovering it to the social harmony of SPHERONS and express it in formula: **"Peace comes from harmony of SPHERONS through science."** This response is logically concentrated in a single integrated concept of GPS – SPHERONS, which expresses a scientific breakthrough and revolutionize the social sciences. Just theory of SPHERONS, synthesizing social cognition, overcomes its lagging from life and military science, which started since 1799, more than two centuries back. **With the theory of SPHERONS begins also the transition of mankind, its first necessary step from military to peaceful history.** All this characterizes an epochal scale and value of GPS constituting a worldwide sensation.

Why GPS was not there before? Because there was no social need in a global peace. Because there was no globalization as a process of information and other conscious connections of all parts of SOCIOCOSMOS of humanity. The peoples have been fragmented; wars between them were local and were not as devastating as in the 20th century. **The fragmented and undeveloped societies were not able to rise to the level of social science of global peace. Also, there was neither a theoretical possibility for it. The main thing was not its central integral concept of SPHERONS.** However, despite this, usually the philosophical treatises of the eternal peace have these appear, but they were far from science, although they are prepared epistemological, moral and social motivation as a stage for the peace science.

Why GPS is required now? **Firstly,** because of the war have become more dangerous and destructive and after the appearance of nuclear weapons it threatens the survival of mankind and nature,

i.e. global. **Second**, due to globalization the humanity has become a global society, one SOCIOCOSMOS or "one big village", where the war in any its place can easily become global. **Third**, the new global reality of a single SOCIOCOSMOS has created the social need of scientific knowledge for global peace, its causes and ways of its construction – the ways of global peace-building. **Therefore SOCIOCOSMOS and its globalization become the main source of GPS. They identified the social need in GPS, from which it is impossible to avoid.** The first response to this need were numerous, fragmented and very narrow "peace studies" from the middle of the last century, which, because of their subjectivity, were of little use or no use for peace, with very few exceptions. They virtually cannot prevent any war. They were very far from science, though the need for it was formulated more clearly. They do not come close to understanding the objective source of global peace as the integral reality from which would grow a like science.

On the basis of which integral reality and value could GPS arises? GPS has not arisen on the basis of any important, but private value: freedom, equality, justice, and so on. Albeit peace cannot exclude and does not exclude these values, but they are not enough for it, peace is much wider than they and requires holistic value of harmony and pillar on the corresponding integral reality of social harmony of SPHERONS. Attention and study of harmony began at the end of last and early this century, which led to the creation of a number of international organizations of harmony, including GHA in 2005. GHA proclaimed its mission "*To bring peace from harmony through science,*" which 10 years later was crowned with the GPS creation as the first fundamental cognitive step on this way.

When will start the GPS implementation? This question has no clear answer. What is clear is the following. **Firstly**, when to mankind a global peace needs acutely, it will fulfill all its necessary conditions, especially own democratic self-organization of SPHERONS worldwide (see Chap. 8, etc.). **Second**, the growth of military threats, as well as natural and social harm from war preparations of main terrorist and enemy of global peace in face of the US/NATO (they created the ISIS global terrorist: Chapter 9) dramatically accelerates and expands. **It exacerbates global peace problem of humanity as a high priority. If humanity under the influence of imperial militarist forces will continue to ignore this problem**, it had no choice as to live under the constant risk of Damocles sword of wars, each of which can result in nuclear and last for it. This is its "freedom" in militaristic industrial civilization: live and die by military suicide. **Third**, when the peace-loving countries of the world, especially the BRICS, recognize absolute necessity of creation and development of GPS to fulfill its priority "*to strengthen international peace and security*" (Chapter 10), and when they will create the first necessary for it institute – International Academy of Global Peace.

Here there are two more questions: who needs GPS and who do not need it? It is necessary for those who want to live, who want to preserve nature; it is needed for the peoples. But it is not necessary for those who profit from wars, who live by the war, as the military empire and its ruling elite. **Who will win in history: peace or war?** This victory depends from each person. **If each of us will recommend to their government, their leaders, their families, their children and friends the GPS book then will win peace. If we will be indifferent to it, the war will win.** Therefore, the final choice in the matter of war and peace is ours, for each of us.

In any case, GPS is the history first intellectual opportunity to avoid the fate of universal military reckless destruction, which does not make a human of honor, none of us, no one who will push the nuclear trigger, no one who will allow to press it. No one, anywhere, has ever offered a similar, saving book, which will protect both the first and second opening boundless field noble work to build world peace to all without exception. Compare it with nothing.

Chapter 12

War is Death/Murder; Peace is Life. Military Science: How Better to Kill? Peace Science: How Better to Live?

We shall require a substantially new manner of thinking if mankind is to survive.

Albert Einstein [1]

Traditional way of thinking is principally military and violent, threatening to destruct of mankind and nature.

A fundamentally new way of thinking is thought of SPHERONS, spheres, their harmony and similar GPS categories.

This science is revolution of social thinking and knowledge.

It refuses to answer the question "how better to kill?"

*It only responds to the question "how better to live and survive" in the global world without war? **Therefore, if humanity wants to survive, it should require the recognition, development and use GPS as a substantially new manner of thinking.***

GHA

Global Peace Science (GPS) is endless in social space and time the cognitive and practical deploying simple scientific formula of global peace: "Global peace comes from harmony of SPHERONS through science, education, religion and art".

GHA

GPS is the main and necessary cognitive weapon against war, Providing absolute nonviolent victory of peace over war.

GHA

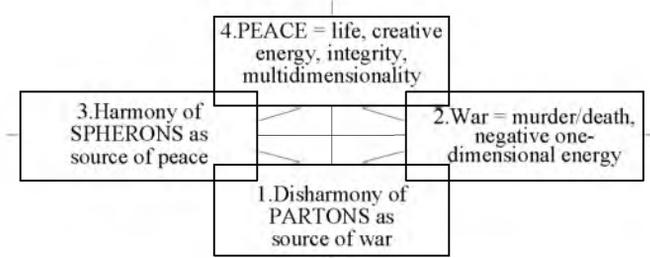
1. What are War and its Science? *Leo Semashko*

What are global peace and its science? At this question answered the preceding 11 chapters, a conclusion which is one: (global) peace is a necessary and eternal condition of human society at all stages and levels, the source of which is equally necessary and eternal, objective SPHERONS (harmonious classes of population employed in four spheres of social production) providing continuous social harmony as social peace creating it as its integral epiphenomenon. **In short: peace is a universal state of SPHERONS, universal and harmonious spherical classes ensuring social life and war is temporary state of death through mutual murder of the particular groups – PARTONS** (see chapter 1). Peace is life, fullness and multidimensionality of life. It is a positive and creative energy. The science of global peace is a theoretical synthesis of knowledge of SPHERONS' peace confirmed facts and revealing structure, attributes, laws, and other properties, connections and relationships of SPHERONS as peace actors. At the level of general conceptual understanding of peace with it all is clear, though the recess in it creates a lot of questions, to some of which GPS is unable to answer now but will answer in the future, at the appropriate level of development.

Within the framework of a broad scientific picture of peace presented in the preceding chapters, we often concerned a variety of issues of war and responded to many of them. **This chapter is intended to systematize the answers to one simple question: "What are war and its science?"** Above we have given a lot of different definitions of war from different perspectives and points of view. Usually war is defined as a conflict between states or political groups by the armed forces (Wikipedia). **The GPS defines war as the sharp disharmony of private groups, PARTONS, where disharmony is the ultimate cause of war, in contrast to peace, the ultimate cause of which is harmony of SPHERONS** (see chap. 1). But what is war from a philosophical point of view, i.e. **in its most universal and permanent nature? It is mutual killing people, or, more simply, in one word – it is DEATH.** What is death/murder? – This is the most primitive animal action: loss of life of any living creature, which is done universally, any existing in nature thing, or not, as they say, "by bare hands." The war as murder and death is part, one-dimensional, negative, destructive and anti-creative energy. If the essence of war is death/murder, **the essence of military science is how to kill better, how to destroy better**, i.e. faster, more accurate, more, on land, in water and in the air, in different situations, with less risk, etc.

We will compare the essence, cause and quality of war and peace in the updated (Chapter 1) and generalized tetramodel built on the following chain of concepts: 1.Disharmony of PARTONS as source of war – 2.War = murder/death, negative one-dimensional energy – 3.Harmony of SPHERONS as source of peace – 4. PEACE = life, creative energy, integrity, multidimensionality.

Model-22. Comparison of War and Peace



In human history, it so happened that their main advantage – the mind, the person directed first not to achieve and develop the most advanced and simultaneously the most complex state of his life – not to peace, but to progress of the most primitive animal act – murder/death. This historic situation is due to underdeveloped and fragmented humanity, which have exhausted themselves in an era of globalization and decline of the industrial civilization. Let's try to briefly reveal the main features of the military era of humanity and its military science, which arose more than 200 years ago and it is ahead of the peace science (GPS) more than two centuries. This time lag determined the degradation of the whole complex of social cognition; it has become a major obstacle of its development and made it a second-class and marginalized after the military-technical knowledge. **It is a key information defect of the industrial civilization, condemning it to stagnation and extinction.**

Dr. Leo Semashko. Editor in Chief, *Global Peace Science* (GPS)

2. The Continuity of Wars in World History. *Charles Mercieca*

"Sovereign states have been mankind's paramount objects of worship during the last 5,000 years; and these are goddesses which have demanded and received hecatombs of human sacrifices. Sovereign states go to war with each other, and in war they each require the

choicest of their young male subjects to murder the subjects of the “enemy” state at the risk of themselves being murdered by their intended victims. Till within living memory, all human beings except a few small minorities... have looked upon killing and being killed in war as being not only legitimate but meritorious and glorious.” A.J. Toynbee [2]

Over the past 6,000 years of recorded history we often read about wars and their devastating consequences. In the Bible, which is viewed by the world at large as a holy and sacred book, we read about many wars that took place from time to time almost without ending. We need to raise quite a few questions since, as the scholastic philosophers tell us: *Nihil ex nihilo fit – Nothing comes out of nothing.* Another well-known statement runs as follows: *Quidquid contigens est causam habet – Whatever exists must have a cause.*

Belligerent Governmental Policies. When we analyze carefully the sources of each war we generally discover that it was waged by those in the government. The vast majority of people across every continent always yearned to live at peace on a permanent basis. When Jesus came to this world some 2,000 years ago he made it a point to improve as many negative biblical expressions as possible. He was driven by the fact that he was a deeply peaceful person. Besides, he knew countless thousands of innocent people on a global scale that have and still suffer brutally unnecessarily.

Jesus did not hesitate to describe to us the true nature of God, which is purely based on love and mercy. In fact, he reminded the people of his time saying: *The God I know is not the God you know. Your God functions on the eye-for-an-eye and a tooth-for-a-tooth. The God I know functions on love and mercy. When someone strikes you on the cheek you do not strike back but rather you should turn the other cheek.* This means it is far better for us to practice humility and respect than resorting to retaliation and revenge.

We also remember what Jesus said to Peter when he drew out the sword to defend his Master. He told him clearly: *Put the sword away for he who kills by the sword will die by the sword.* Periodically, Jesus exhorted his disciples saying: *Do to others what you would like others to do to you.* This means if we do not want to be hurt and killed let us not take the initiative to hurt others, far less to terminate their lives. If we continue to ignore these peaceful instructions of Jesus, we are likely to continue waging wars till the end of time.

We are all familiar with the expression *history repeats itself* Since over the centuries we have experienced both good and evil that means we may look forward to experience the repetition of these two elements for sure. Our job in life should be to create situations, nationally and globally, that are good and beneficial. This way we may create people that are trained to do constructive things as to be prepared to pass such vital elements to others. If people were to be trained from early childhood to provide to others love and compassion, then the probability of future wars may start becoming highly remote.

War as an Enemy of True Peace. The Romans had a saying which went as follows: *Si vis pacem, para pacem* and *si vis bellum para bellum – If you want peace prepare for peace and if you want war prepare for war.* US President Richard Nixon did not seem to believe in this important dictum. So he turned it around and said: *Si vis pacem para bellum – If you want peace prepare for war.* This was essentially the revealed US foreign policy since World War II was over in 1945. It explains why the USA since then was very heavily involved in more than 30 wars.

Three of these latest wars were Vietnam, Afghanistan and Iraq. These last two wars alone brought the American nation some \$2 trillion dollars debt, which has become a phenomenal financial burden to the American people. As a result, the people’s sources of indispensable revenue just to survive became seriously threatened. It is very sad to consider that while the bulk of the three hundred million Americans were against the involvement of such wars, the few hundreds in the government proceeded to wage such immoral and illegal wars.

Going back to the earliest days of recorded history, we always witnessed that a leading power was viewed to be a nation with a devastating military. In practice, a leading power happens to be a nation that has been blessed with healthy people who have the opportunity to develop their God-given talents to the maximum. In view of this, we need to start doing something that is highly essential. We must make it a point that the only nations that we may respect and trust are among those who do not rely on any military power.

As a matter of fact, every nation in the world should not allow having in its territory the presence of any foreign military bases by all means. Such bases always existed not to create peace but, on the contrary, to plan and promote as many devastating wars as possible. That would result in the destruction of many buildings as to make tens of thousands of people homeless. Besides, that would bring about the eventual killing and maiming of tens of thousands of innocent people, including women, children, the elderly and the sick.

The question that needs to be seriously raised here is this: Why is it that while the seven billion people in the world at large want to live at peace, a mere handful of people in their government continue to set up scenarios as to justify the promotion of never-ending wars? There may be many reasons that could be outlined. However, the dominant one lies in the fact that the weapons industry and the military industrial complex in the world have emerged to become a lucrative business. Their only one goal is to make money without limit, even at the cost of the lives of countless millions of innocent people.

Planning for a Peaceful Future. We are all familiar with the proverb: *When there is a will there is a way*. Responsible individuals should get periodically together to figure out steps that would bring the weapons industry and the military industrial complex under control. The Center for Defense Information in Washington, D.C., which was formed by retired US military officials, made a lot of videos that bring the causes of war, as presented here, into full perspective. One of these videos was meant to provide us with steps that may bring the major causes of war under control.

Among other things stated, it was advocated **that all those working for both the weapons industry and the military industrial complex should quit their job without further delay. Instead, they should seek for jobs that are fully beneficial for all human beings.** The weapons industry and the military industrial complex should not panic when faced with this constructive philosophy that they may end up going out of business. **They can keep fully well their business but simply change their product.**

Instead of making weapons of destructions, they could make computers and many educational items that are viewed to be fully useful. Instead of making tanks for soldiers they could make tractors for farmers and the list goes on and on. Moreover, in nations where people have the opportunity to elect their own government officials, they should make sure in the next elections they put out of office determinedly all those who supported the elements of war without any hesitation. Good results may not be achieved overnight.

Even if the prospect and real achievement of a permanent peace may take several decades or even a couple of centuries, our task is to take the first steps that may serve as our foundation or legacy for a future permanent peace. By way of encouragement, let us keep in mind that *we cannot teach old dogs new tricks*. The best way to deal with old war-minded government officials is to find a good and practical way to have them removed from office. We need to change the sources that always led to wars with sources that will always lead to peace.

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3. Peace as a Break between Wars and Preparation for New Wars in Industrial Civilization. *Charles Mercieca*

Over the past recorded history of 6,000 years we notice that many nations tended to solve their differences through the waging of one war after another. Needless to say, in-between wars we also observe a period of peace. As far as the people were concerned they enjoyed such periods and often hoped they would continue forever. However, as far as government officials were concerned that always proved to be a different story. As the Italians say, *tra il dire e il fare c'e' in mezzo il mare – between saying and doing there is an ocean*, that is, an abyss.

Eventual Purpose of Wars. Of course, there should be a reason why wars continue to take place, especially when the population as a whole never wants to experience the tragedies of such events by all means. Scholastic philosophers tell us, *quidquid contingens est causam habet – whatever exists there must be a cause*, that is, a source. And another famous dictum runs as follows, *ex nihilo nihilo fit, – nothing happens out of nothing*.

Hence, wars do not pop up from the midst of nowhere. There must be a plan of some sort that would make it easier to instigate and promote wars. What is curious in our study of the nature of wars lies here. Such devices were never used to promote peace and harmony, love and compassion. On the contrary, wars often tended to stem out of jealousy and hatred and they always inflicted pain revealed mostly in the destruction of the infrastructure of cities.

Moreover, such pain is also seen in the killing and maiming of tens of thousands of innocent people, in particular women, children, the elderly and the sick. In every era of history, every government, regardless of its nature, always claimed the responsibility to look after the welfare of the people, which is revealed in providing them with a good health care system, adequate housing facilities and good education. But as long as government officials in general continue to be addicted with wars, such goals cannot be easily reached.

If we were to study the military powers that emerged in this world over the last two to three hundred years alone, we will soon find out something which is fully in common. The governments that attached priority in piling up weapons and in promoting more and more wars, ended up neglecting their people who suffered immensely as a result. Just a study of the Portuguese, Spanish, British and American empires makes us realize that the more they concentrated on the invasion of other countries and the promotion of wars, the more their respective native population suffered all kinds of deprivation.

Sources of Destruction. Nowadays, we all know that the manufacture of weapons and the military industrial complex have emerged into becoming a very lucrative business. To turn an insult into injury, the United States' big corporations take the initiative to finance the elections of various politicians. They want to make sure that after election such politicians would do anything to boost their products, regardless of how lethal and detrimental they may prove to be to society. In the USA all the major news media are now being controlled by big corporations.

The corruption that emerged in the US government as a result has become virtually out of control. It explains why millions of people do not have enough food to eat, are deprived of adequate home facilities, and do not have easy access to vital medical needs. From a careful study of history we learn that a nation could be termed to be strong when its people are healthy and highly educated, in addition to having adequate home facilities. When this takes place then such a nation is fully self-sufficient since all the vital needs are fully there.

However, since the US government as a whole views the strength of the nation merely in military capabilities, **it explains why such a nation puts top priority on the continued manufacture of weapons and military equipment.** It explains why the United States, in spite of the fact that it was advised otherwise, chose to become involved in more than 30 wars

following World War II. The most recent ones, all of which proved to be a disaster may be enlisted as Vietnam, Afghanistan and Iraq.

In each of such wars, thousands of young Americans lost their lives or became maimed for life, not to mention those that committed suicide. All these tragedies occurred literally needlessly. Besides, the United States was responsible for the destruction of the infrastructure of many cities which included not only the destruction of people's homes but also the annihilation of many schools, churches and other vital sources. Besides, we may add the millions that became refugees and who led very miserable lives afterwards.

Every nation that views its strength in military terms and not in people's health and education always ends up punishing itself severely. The US economy today is in a state of collapse because of its continued wars. The Iraqi war alone cost the USA \$2 trillion dollars in debt, money that could have been used to give Americans adequate home facilities, good health care, and excellent education. A substantial number of government officials, mostly republicans, had the guts to propose the solution of the debt problem by cutting money from the vital needs of the American people, like health care, education and social security.

Deception at Work. Ironically, a number of these same government officials when they talk on radio or television, they sound like they are concerned with the welfare of the American people in general. But, as the Italians say, *parole si, fatti no – words year, facts no*. This means their apparent concern for the welfare of the American people as a whole is merely bla, bla, bla. The US government officials must follow the example of President Truman when he set the US President's office for two terms of four years each.

The US Senators' term must also be set for two terms of five years each, while the US Congressmen's terms should also be limited for five terms of two years each. We have many young brilliant people in the USA but their chances of serving the nation in a governmental office is not that easy as long as the big corporations continued to finance their governmental buddies to remain in office for ever. Moreover, all news media must give a substantial percentage of time to cover all those running for office free-of-charge.

As the preamble of UNESCO states: *Since wars begin in the minds of men it is in the minds of men that the defenses of peace must be constructed*. As we may all know, this acronym stands for United Nations, Educational, Scientific and Cultural Organization. The eventual implementation of this preamble is of paramount importance. It enables us to understand the wisdom of having periodical changes of individuals in the government. When individuals serve a long time in a governmental position, their mind-set about anything becomes so deeply entrenched that it may need a miracle like that of raising Lazarus from the dead to make them see things better and into a truer perspective. In view of what has been stated, we still have hope of not having to spend another 6,000 years of recorded history going through one war after another. The human nature is subject to corruption at one time or another. Our job is to take the first steps toward providing a better future for posterity.

My letter to the USA Congress. "Dear Friends in the United States Congress. In the past 6,000 years, a nation's economy collapsed by military expenses. The USA is no exception. **US foreign military bases must be cut by 50%** and people may use this money for their dire needs. The Department of Defense needs to make drastic cuts in military items and in the number of active troops. **The US global military has created animosity that has made the nation suspicious.** Defense Secretary Chuck Hagel and President Obama must reduce the US military globally. Ron Paul said as President he would cut the military budget by closing many US foreign military bases. Thank you. **Dr. Charles Mercieca**, Ret. Professor of Philosophy and History, Alabama A&M University. 15/03/14".

4. Culture of War and Militaristic Culture of Peace. *Charles Mercieca*

Every era of history revealed conflicts between the culture of war and that of peace. Each time the culture of war proved disastrous while that of peace was beneficial. Unfortunately, the culture of war has proved always to be dominant in the world at large. This is revealed in the fact that there are very few nations which had the courage to abolish the military. Such nations have managed to live in peace for very long periods in spite of the turmoil that might have surrounded their borders. One clear example is a little Costa Rica (about 5 million), which had a long history of civil wars where some 80% of the population were homeless and lived in poverty. Many years ago – in 1948 the leader of this nation abolished the military for good that was approved in the Constitution of this country., where about 80% of the population were homeless and living in poverty. After refusal from the army Costa Rica became one of the most prosperous country in the world and was ranked the first in the world in 2012 with the index of happiness and almost all indicators of living standard.

The United States did not like this move and soon tried to persuade the government of Costa Rica of the imminent danger it faced since the surrounding countries were all equipped with strong military forces. Costa Rica's military general who abolished the military forces from his nation said calmly and firmly to the USA: "*We firmly believe that if we prove to be not a threat to any of the surrounding nations, not one of them will dream to attack us.*" And he proved to be right. For the several decades that followed Costa Rica remains peaceful.

When the government of Costa Rica was asked: Where did you get the money to provide so many people with adequate home facilities and to give them all free education not only at the elementary and secondary school level but also at the college and university level as well? **The answer was quick and simple: You see, when we had the military we spent millions of dollars on weapons and the promotion of struggles and wars; now that the military is gone all of that money is being used constructively for the welfare of the people. That would include free education and free health care for everyone.**

The reason often quoted by government officials for their justification of war is expressed by the words: national defense and security, which is absolutely not true. A nation is viewed to be strong and healthy when its people are fully educated to the maximum of their abilities, in addition to being in good health. Since wars have become to be highly expensive, all money put in them is taken away from the vital needs of the population. An example of this is the USA which engaged itself in more than 30 wars since World War II was over in 1945, which ensured huge profits of military corporations. US Empire participated or initiated almost all the wars and aggression since 1945, but have not been seen in any of the global peace initiative. **This is world record of militarism, war and aggression! Brian Wilson wrote about it as "*The US Fear of Peace*" [3]. We do not know a single article or book devoted to the American peacefulness because it does not exist in nature and human history: the only full militarism.** This is the essence of military culture and militaristic culture of peace, which make up two sides of a military nature.

It looks like that the culture of war has gone so deeply into the minds of many government officials that when the military speaks of the culture of peace, it sounds more to be some sort of a joke within the context. **By its very nature, the military in general has always existed to instigate and promote wars almost without ending.** As observed in the early part of this presentation, the constant state of war in Costa Rica ended only after the military was abolished. If the set-up of a military unit is needed, it should be merely for national emergencies.

A military unit that exists to disseminate wars should be abolished because its presence makes it very difficult for the world to have eventually a genuine peace among people on both the national and global scale. The Master Teacher of Nazareth was very clear on this topic. He exhorted us all to do to others what we would like others do to us. We do not want others to

hurt us and kill us. Likewise we should never take the initiative to solve conflicts of any kind through struggles and wars but only through diplomacy and healthy dialogues.

But this requires a new peace culture with one spiritual platform – Global Peace Science (GPS), which reveals the universal source of world peace – general harmonious social structure of every nation in its natural harmonious classes of the population, in SPHERONS, from harmony of which grows peace in all countries, cities and settlements on the planet Earth. It is this knowledge is necessary for new generations in all schools, that each recognized themselves permanent atom of SPHERONS, i.e. a permanent actor of global peace. This is the life mission of the divine destiny of every conscious person. Only this knowledge and consciousness will ensure the conflict resolution of any kind not through the struggle and war, but only through dialogue, mutual understanding and other non-violent means. Scientific knowledge of GPS creates a single basis for the long-term (on 5–6 decades) program of simultaneous disarmament of all countries by 2% each year (see chap. 8). This is true, harmonious culture of peace that comes from God, an attempt to express of which was made our GPS in this book.

Dr. Charles Mercieca, Ret. Professor, Alabama A&M University, USA

5. War Crimes against Humanity in the 20th and 21st Centuries.

The Facts of Genocide. *Ernesto Kahan*

Masao Tomonaga, the International director of IPPNW (International Physicians for the Prevention of Nuclear War) and Professor in Nagasaki University, wrote in the foreword of the book entitled “Genocide” [4] *“What is humankind? Why do human beings make mistakes again and again? What is the nature of humankind? Is it naturally dark? There are those who believe in power politics, those who try to control the world with “unusable nuclear weapons” which may lead to the destruction of humankind. How can we bring about the spirit of coexistence to human beings on earth, when we are fighting for such natural resources such as oil (for example), when we want to monopolize new technology, when we want to make more money and fulfill every kind of desire? [...] What is human intellect? I want to define it is the wisdom to guarantee to our descendants, to long live in peace and in good health. This will only be brought about by facing up to the Holocaust history truthfully.”* The answers to the first question gives in a whole this book GPS and the short answer to the Holocaust question or the genocide to try to give our small article.

In the same book, Kahan E. and Taki Y., the authors, introduced the term genocide defined by the Convention on the Prevention and Punishment of the Crime of Genocide, article 2 adopted by the UN General Assembly in 1948. In the present Convention, *“genocide means any of the following acts committed with intent to destroy, in whole or in part, a national, ethnical, racial or religious group, as such : Killing members of the group; Causing serious bodily or mental harm to members of the group; Deliberately inflicting on the group conditions of life calculated to bring about its physical destruction in whole or in part; Imposing measures intended to prevent births within the group; Forcibly transferring children of the group to another group”* [5].

As it is clear genocides are only part of the crimes against humanity, in a personal communication, Rene Wadlow, President of the Association of World Citizens [6], commented that mass deaths are not genocide because the aim is different. He explained clearly that the largest number of deaths since the end of the Second World War was the Chinese agricultural policies between 1958 and 1962 with over 20 million deaths, but the aim was not to destroy the Chinese as a people. In the same way, the other enormous tragedy as the 7 million deaths due to famine in Ukraine 1932–1933 was not genocide with the objective to eliminate the Ukrainian identity. He also commented that the best examples of genocide in the XX Century were the Nazi Holocaust defined for the elimination of the Jews, Gypsies, and other minor ethnic groups. Other examples of genocides were in Africa in Sudan with the physical assassination of tribes and policy to ban marriages and killing “illegal births”. Similar in the

Democratic Republic of Congo women of specific tribes were raped and their sexual organs were destroyed so that they would not be able to reproduce.

In the paper entitled “Major Wars and Conflicts of The 20th Century” [7] it was commented that the 20th Century was the bloodiest, costliest century of warfare in human history. Indeed, 160 million people were killed by wars in this period in this century until 2012 with the mention of the Syrian civil war, 122 mayor wars were listed [8].

The UN Report of victims of wars in the 20th century [9] cited Matthew White in “Historical Atlas of the Twentieth Century” (2010), which includes military and civilians as the product of war, genocide and intentional famine were 203 million. The following table was extracted from this report:

Deaths by War and Oppression during the 20th Century: 203 million

	Military	Collateral*	Genocide	Famine	Total
Wartime	37m	27m	41m	18m	123m
Peacetime	0	0	40m	40m	80m
TOTAL	37m	27m	81m	58m	203m

TOTAL: 87M deaths by Communism. RESIDUE: 116M deaths by non-Communism.

This table well illustrates not only that war is killing but that the time of "peace" of militarist/industrial civilization is also a murder but by other means, as well as the fact that both communism and capitalism in it are also murder not much different from each other. This table is strong evidence of crime against humanity of the militarist/industrial civilization as a whole, at any time of peace or war, in all its political systems. This is proof of the inevitability of collapse of this civilization and its replacement by a harmonious and peaceful from harmony conscious civilization based on GPS of SPHERONS as conscious actors of peace from harmony, excluding any private violent actors of wars, genocide, and hunger in all political forms.

Only in the eleven major events of the 20th Century, in which more than 1 million civilians were killed in each, were showed in the next table, based on data published by the UN REPORT victims of wars in the 20th century [9]:

Facts of Killings and Genocides in the 20th and 21st Centuries

Period (yrs)	Place	No of victims	Actor of genocide	Notes
1886–1908	Congo Free State	8 m	Leopold II Belgium	
1914–18	First World War	7 m	Mainly Europe	7 million civilians + 10 million military [7]
1915–20	Ottoman Turkey	2.5 m	Ismail Enver	Armenians (1.2 Million), Greek and Anatolian Greek (830 thousand), Assyrians (0.5 Million)
1932–39	URSS	7 m	Stalin	Soviet forced labor camp systems + famine in Ukraine
1939–45	Europe	12 m	Hitler Nazism	Civilians, Jews and other, intentionally killed in death camps during WWII, included 3 million Russians prisoners
1942–44	Japan	5 m	Hideki Tojo	Civilians in WWII
1948–44	North Korea	1.6 m	Kim Il Sung	Killed in concentration camps
1958–61, 1958–69	China	Up to 78 m	Mao Ze-Dong	
1967–70	Biafra	1 m	Yakubu Gowon	
1975–79	Cambodia	1.7 m	Pol Pot	
1975–78	Ethiopia	1.5 m	Menghistu	

Before the XX century, in the not so far past, mankind suffered from tremendous crimes that can be defined as genocides and / or tremendous mass murder:

American indigenous population in what today is United States declined, to 1.8 million from around 50 million. In Brazil it declined from an estimated 3 million to some 300,000 [10]. Estimates of how many people were living in the Americas when Columbus arrived declined in 150 years, from 70 million to 3,5 million due to deliberate infection, exploitation, slavery, massacres, displacement, etc. [11] On the Australian continent during the colonial period (1788–1901), the population of 500,000–750,000 Australian Aborigines was reduced to fewer than 50,000 [12]

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Takis Ioannides, a well know journalist and poet from Greece, asked among several questions for an interview for the Newspaper EPIKAIRA (Extra Time) of New Smyrna of Athens[13] "*Which is the status of harmony and peace today on our planet?*" My answer was: "Our current society is at a transcendental crossroads. On one hand, the use of natural resources is very efficient, but on the other, that same use is endangering the continuity of life on our planet. On one hand, new technology and systems of intensive production permit us to obtain an elevation in the quality of life for all humanity, but on the other, new conflicts are threatening the use of weapons of mass destruction, mainly atomic, and with it the potential destruction of our civilization and life on Earth. On one hand, the massive development of the media is carrying all the social-economic-political-cultural events to the television screens and Internet of private computers of the inhabitants of all corners of the world, but on the other, **financial or governmental institutions are manipulating these same media, deforming the news, creating nonexistent realities and "brain-washing" the audience.** On one hand, human rights have gained the power of international law, and democracy is the most accepted form of government, but on the other, individuals are in danger of losing their dignity completely by being transformed into "cogs in a machine" by the economic corporations and the dominant governments. On one hand, the fall of the absolutist states has provided people of different countries with the opportunity to dissent, but on the other, the new techniques of propaganda via communication are transforming them into manipulated "flocks of sheep". On one hand, science penetrates into the "secrets" of life and the universe, but on the other, the pseudo sciences, superstition, fraud and fundamentalist and irrational thought have acquired economic and political power, and promote fanaticism and intolerance. Terrorist movements that are claiming the arrival of the "end of times" use the same extremist fanaticism as religion in order to be justified and to create panic. **In other words, there is no harmony and no peace and mankind is playing with mass destructive weapons that can destroy completely the life in our planet.**"

Philosophers of all eras addressed the issues: "What is war? And what causes war?" Some theories are determinist and others in freedom. **That the first case, war is unavoidably due to different explanations as metaphysical power (religion, more during the Middle Ages), nature of man (biological heritage) and, class struggles (Marxism). Karl Marx wrote that the all written history of existing society is the history of class struggles. (Marx K. Communist Manifest).** In all those theories the individuals cannot change this situation and thus are not responsible for that.

Global Peace Science (GPS) is also a deterministic theory, **but unlike Marxism**, it rejects the absolute nature of the class struggle and recognizes existence of the **objective harmonious classes of the population, SPHERONS (this is revolutionary discovery of GPS)**, which exclude war and class struggle, ensuring global peace and social harmony. But when SPHERONS remain spontaneous, in their composition may emerge the partial and temporary antagonistic groups, which unleashed the wars. This deterministic scientific theory does not exclude, but presupposes the freedom of individuals in knowledge of the laws of peace from harmony. Scientific knowledge (GPS knowledge) and general education in it allows SPHERONS to transform from spontaneous in conscious free actors of global peace from social harmony, which (peace and harmony) are created by them freely on the basis of their public

consciousness based on GPS. In it is a deep revolutionary meaning of this science and its importance for the conscious, scientific building global peace from harmony. **Knowing GPS makes people free and responsible for peace-building excluding all the wars of society**, for peaceful changing the status quo.

The opposite theory is pacifism, which is the results of rationalism, or in other words; war is the wish of man, and thus, man can avoid war through education. The framework of this paper doesn't permit the presentation of the rich literature of the essays of the many philosophers, since the Ancient Greek to the present times. Among them, it is important to cite Plato, John Locke, Immanuel Kant, David Hum, Voltaire, Karl Marx, Leon Trotsky, Dostoyevsky, Friedrich Nietzsche, Sigmund Freud, Albert Einstein and etc. We should emphasize that our GPS, unlike pacifism, recognizes the objective reasons of peace and war, criticizing the pacifist subjectivism (see chap. 4), but it fully shares the pacifist position concerning people's education and their responsibility as for the wars and for their prevention, i.e. for peace as it was unfolded in GPS other chapters.

The orthodox Marxists always denounced pacifism as negative because tends to attenuate the class struggle and by this, retarding the progress of humanity. When the Soviet Union, due to its security reasons, proclaimed the theory of the development of socialism in one country, appeared Trotskyism holding the theory of the permanent revolution. This concept matches the position that **war for justice is better than peace without justice**. All that philosophical discussion, that was sustainable in the past, becomes problematic today due to the existence of weapons of mass destruction that threaten the continuation of life on the planet. **During the last millennium, mankind found in the arms, the technological answer for the solution of the human conflicts. Now, humanity must find a human answer to the danger of extinction from arms. In relation to this, Albert Einstein said "We shall require a substantially new manner of thinking if mankind is to survive."** The best answer to the threat of extinction from weapons provides a fundamentally new way of thinking in categories of SPHERONS, spheres, harmony and so on of our GPS constituting the new paradigm and revolution of social thinking, knowledge and science, about which Einstein dreamed. To GPS the alternative does not exist.

In order to obtain survival on Earth we must achieve world global peace. To achieve world global peace we must obtain a global peace science based on harmony. To obtain a global peace science based on harmony we must have tolerance to the diversity of views on harmony. Without tolerance we will not find unity in peace from harmony and will destroy humanity.

The Preamble of the UNESCO Charter states that, "*Wars begin in the minds of men. It is therefore in the minds of men that we must construct the defenses of peace*" [14]. The best protection of peace in the minds will GPS and based on it a new culture of peace and education in the spirit of love, harmony and tolerance. It is the great challenge for intellectuals, artists and poets, especially for the GPS coauthors.

The conclusion is simple: We need to enroll in a crusade for peace from harmony. It is not easy but it is not a utopia. Public, rulers, intellectuals, artists, journalists, educators and the general public must demand that policy based on GPS.

Prof. Emeritus Dr. Ernesto Kahan, MD University Professor – Poet – Physician, Tel Aviv University, Israel. Academician – International Academy of Sciences, Technology, Education and Humanities (**AICTEH**) – Spain; Honorary President – Israeli Association Writers. Spanish Branch; 1st Vice President – World Academy of Arts and Culture USA; Former Vice President of IPPNW (Association awarded the Nobel Peace Prize) and the actual president of the Israeli Branch; Vice President Intl Forum for Literature and Culture of Peace (IFLAC); GHA "WORLD HARMONY CREATOR" and Vice President. http://peacefromharmony.org/?cat=en_c&key=338;

The GPS Editor in Chief comment. This extremely important article at its discussion in GHA has caused controversy on the list of nations and the number of victims of genocide in certain historical periods. The author acknowledged that his UN sources are incomplete, biased and often requires additional research and refinement.

The article was written two years ago, before the Ukrainian coup in February 2014 and followed it genocide and civil war with the Russian population in the south-east of Ukraine, especially in the Donetsk and Lugansk regions. These facts are stubbornly ignored under the pressure of the US and NATO countries that support the new government in Kiev. This information blank, even in a small extent, compensated by other sources, for example, in an article in one of the well-known international websites with the eloquent title: "**Media hide as the US sponsored genocide in the south-eastern Ukraine**" [15]. It underlined two fundamental points: support for genocide by the USA and concealment of this fact in the

Western media. Noteworthy is the fact that the victims of the US many wars and the facts of its genocide are limited or ignored in the UN sources that confirms that this organization is controlled by the USA and does not provide objective, scientifically reliable, data on war and peace.

6. The Birth, Meaning and Death of Military Science. *Leo Semashko*

This article is not intended to be a systematic analysis of military science and is intended to determine its basic characteristics in comparison with global peace science (GPS). In this science in the previous chapters have been identified the causes and aims of war sufficiently, so we will not continue to spread in this regard, **as it is no interests peace science**, which has very different intentions. Comparison of these sciences has only one purpose: to emphasize the gap of peace science from war science for more than 200 years. This is caused on the one (epistemological) hand, the incredible complexity of the subject of peace science as compared with the relative simplicity of the military science subject and, on the other (political and social) side, **the maximum governmental interest in military science and practical indifference or zero interest to peace science**.

Of course, military science, as well as any kind of knowledge, has its problems, contradictions, different philosophical approaches, definitions, scope, scale and other differences at its various theorists, practitioners – generals, in different countries and at different times. For the above reasons, we reserve those issues outside of our article, limiting the birth, meaning and death of military science in comparison with peace science (GPS).

Among the many definitions of military science we will choose its definition from Wikipedia: "*Military science is the study of military processes, institutions, and behavior, along with the study of warfare, and the theory and application of organized coercive force. It is mainly focused on theory, method, and practice of producing military capability in a manner consistent with national defense policy. Military science serves to identify the strategic, political, economic, psychological, social, operational, technological, and tactical elements necessary to sustain relative advantage of military force; and to increase the likelihood and favorable outcomes of victory in peace or during a war*" [16].

Among the many founders of military science, the most frequently mentioned two prominent founder of the military theory with a fundamentally different approach to it, which in their historical evolution found its synthesis. First in time – **Adam Heinrich Dietrich, baron von Bülow** (1757–1807), who published in 1799 the work: "*Spirit of the New System of Warfare*" [17]. He was a Republican, a follower of Rousseau and a supporter of the French Revolution. His book was subjected to harsh criticism of all military writers of the XIX century, although all of them have assimilated many of his ideas. The second founder of military science is **Carl von Clausewitz** (1780–1831), whose main work "On War" was published in 1832 [18]. This work has produced a revolution in military theory. Clausewitz was a monarchist, a follower of Hegel and a fierce opponent of the French Revolution. Both were philosophers, theorists, although in different directions.

Bulow could not quite get rid of antimilitarist and pacifist ideas of Rousseau. He also admitted his desire for world peace as the basis of the war, negative reviews about it. He wrote: "*I name the science of war is not about the murder, as it did, but the robbery, since its object is to win, in the robbery of lands, and murder is only the means leading to that goal. The murder still manage to find something noble; it will not be when the goal is clear – robbery. War is the same as stealing, which is punishable by a small scale, and in a large is awarded by laurel wreaths, incense of poets, statues and temples*" [Translation of Russian text].

Clausewitz developed the central idea of his theory about continuity of war and politics: "*War is nothing more than a continuation of state policy by other means.*" War is not an absolute phenomenon always inherent in society and only part of it, which is determined its

policy. Therefore, *"the ultimate goal of war is peace."* *"The nature of the political goal is in fact a decisive influence on the conduct of war."* However, the war is killing and violence, *"the war is an act of violence, which aims to make the enemy to fulfill our will ... War is a dangerous business, and misconceptions that have their origin in good nature is for it the most detrimental. The use of physical violence in its entirety does not exclude help of mind; therefore the one who enjoys this violence, no embarrassment and not sparing the blood gains a huge advantage over the enemy, who does not do it"* [18]. **This means that the more ruthless and bloody war will be the greater chance it has to win.** So thought Hitler also but he lost the war. Therefore, not all the findings of the military genius of Clausewitz are confirmed. Moreover, the war is increasingly revealing their senselessness, especially in the age of nuclear weapons, which leaves no winners, **doing all losers and corpses.** Then what is the meaning of war and its science? **The geniuses of military science did not foresee the meaninglessness of their discipline as science to kill.**

Of course, **this senseless and harmful in a whole science that will inevitably and soon enough – by the 21st century end will be unnecessary,** has some positive private ideas for GPS that integrates them in the corresponding interpretation. For example, the principle: the best defense is attack. It encourages supporters of peace not to expect in passivity of various wars and actively oppose them in the entire spectrum of nonviolent actions, developed earlier and significantly expanded by GPS. But such research is only to be done in the future. **GPS has established that the war is a social pathology, originating from disharmony of private groups and nations, the source of which disappear with the SPHERONS conscious harmony, which set global peace as a natural healthy state of human society.** Along with this will die war and all military sciences as irrelevant and quite unnecessary for people.

Together with war and military science will be over all the violent concepts of "security" connected with protection of weapons. We know, and we have stressed many times that the best security of society and humans is peace as a harmony with other societies and people, eliminating the threat of violence and armed attacks. Security in this context is provided by peace and coincides with it. Johan Galtung succinctly expressed it this way: *"Dear Francois Hollande, You will never reach peace through security. You reach security through peace."* [19]. In the context of militarism, military science has invented the concept "security" as military substitute of peace. Security is a military defense from external threats, which do not disappear from this protection. Security involves war and weapons, and as a threat and how to protect against them. **Peace is a fundamentally different concept. This concept belongs not to military but peace science.** It suggests a lack of wars and weapons, and the need to defend against them. It is this concept requires GPS, which reveals the sources and actors excluding from social life and war, and weapons and military science as unnecessary things for it in peace from conscious harmony of SPHERONS, harmonious classes, which include all the population without exception.

“The Kellogg-Briand Pact (or Pact of Paris, officially General Treaty for Renunciation of War as an Instrument of National Policy) was a 1928 international agreement in which signatory states promised not to use war to resolve "disputes or conflicts of whatever nature or of whatever origin they may be, which may arise among them"[20]. Militarism and military science have buried this great peacemaking pact, which now no one remembers, neither the US nor France, nor even the United Nations. Military science and its propagandists have created 13 myths about the benefits of war, which are debunked now [21]. But people still do not know the main alternative to war and violence – social harmony, about which has been talked the outstanding thinkers of the past, starting with Buddha, Confucius, Plato and many others. It is revealed in this book GPS (see chap. 1–4).

Military science degenerates to the science of war crimes against humanity, total war and military dictatorship, which in the US long-buried democracy, turning it into a farce and popular cover of militarism and becoming an instrument of unchangeable, totalitarian and anti-democratic power of the military-industrial-financial elite, is no more than 1% of the population.

This note for the dead of all wars, weapons and their mastermind – military science, as well as simultaneously for the health of global peace from harmony, based on GPS we are completing our unprecedented in the history book.

Dr. Leo Semashko. Editor in Chief, *Global Peace Science* (GPS)

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Chapter 13

Plague of the US/NATO Global Militarism/Terrorism. What is Vaccine and Immunity from it? – It is Global Peace Science. Geopolitics of Peace instead of Geopolitics of War.

*Force always attracts men of low morality,
and I believe it to be an invariable rule that
tyrants of genius are succeeded by scoundrels.*

Albert Einstein [1]

*America is armed and dangerous – and always at war,
both collectively and individually.*

Robert Koehler [2]

*The United States has produced its own unique
form of authoritarianism: inverted totalitarianism.*

Sheldon Wolin [3]

Western Terrorism: From Hiroshima to Drone Warfare.

Noam Chomsky, Andre Vltchek [4]

*There are two terrorisms [raging about]: the one from above,
by the states, called war, and the one from beneath, by the insurgents,
the rebels, the people taking the brunt of the former terrorism.*

Nanni Salio [5]

1. The Plague of American Authoritarianism. *Henry Giroux*

(Full text of the article with all the references was published here: [6]).

Authoritarianism in the American collective psyche and in what might be called traditional narratives of historical memory is always viewed as existing elsewhere. Viewed as an alien and demagogic political system, it is primarily understood as a mode of governance associated with the dictatorships in Latin America in the 1970s and, of course, in its most vile extremes, with Hitler's poisonous Nazi rule and Mussolini's fascist state in the 1930s and 1940s. **These were and are societies that idealized war, soldiers, nationalism, militarism, political certainty, fallen warriors, racial cleansing, and a dogmatic allegiance to the homeland.** [i] Education and the media were the propaganda tools of authoritarianism, merging fascist and religious symbols with the language of God, family, and country, and were integral to promoting servility and conformity among the populace. This script is well known to the American public and it has been played out in films, popular culture, museums, the mainstream media, and other cultural apparatuses.....

Hannah Arendt, the great theorist of totalitarianism, believed that **the protean elements of totalitarianism are still with us and that they would crystalize in different forms.** [ii] Far from being a thing of the past, she believed that totalitarianism "heralds as a possible model for the future." [iii] Arendt was keenly aware that the culture of traditionalism, an ever present culture of fear, the corporatization of civil society, the capture of state power by corporations, the destruction of public goods, the corporate control of the media, the rise of a survival-of-the-fittest ethos, the dismantling of civil and political rights, the ongoing militarization of society, the "religionization of politics," [iv] a rampant sexism, an attack on labor, an obsession with national security, human rights abuses, the emergence of a police state, a deeply rooted racism,

and the attempts by demagogues to undermine critical education as a foundation for producing critical citizenry were all at work in American society. **For Arendt, these anti-democratic elements in American society constituted what she called the “sand storm,” a metaphor for totalitarianism.** [v]....

The notion of soft fascism was articulated in 1985 in Bertram Gross’s book, *Friendly Fascism*, in which he argued that if fascism came to the United States it would not embody the same characteristics associated with fascist forms in the historical past. There would be no Nuremberg rallies, doctrines of racial superiority, government-sanctioned book burnings, death camps, genocidal purges, or the abrogation of the constitution. In short, fascism would not take the form of an ideological grid from the past simply downloaded onto another country under different historical conditions. Gross believed that fascism was an ongoing danger and had the ability to become relevant under new conditions, taking on familiar forms of thought that resonate with nativist traditions, experiences, and political relations. Similarly, in his *Anatomy of Fascism*, Robert O. Paxton argued **that the texture of American fascism would not mimic traditional European forms but would be rooted in the language, symbols, and culture of everyday life.** According to Paxton:

“No swastikas in an American fascism, but Stars and Stripes (or Stars and Bars) and Christian crosses. No fascist salute, but mass recitations of the Pledge of Allegiance. These symbols contain no whiff of fascism in themselves, of course, but an American fascism would transform them into obligatory litmus tests for detecting the internal enemy). [vii]”....

The renowned political theorist Sheldon Wolin, in *Democracy Incorporated*, expanded and updated these views by arguing persuasively that the United States has produced its own unique form of authoritarianism, which he calls “inverted totalitarianism.” [ix] Wolin claimed that **in the United States an emerging totalitarianism has appeared in form different from what we have seen in the past. Instead of a charismatic leader, the government is now governed through the anonymous and largely remote hands of corporate power and finance capital. Political sovereignty is largely replaced by economic sovereignty as corporate power takes over the reins of governance. The more money influences politics, the more corrupt the political culture becomes.** Under such circumstances, holding office is largely dependent on having huge amounts of capital at one’s disposal, while laws and policies at all levels of government are mostly fashioned by lobbyists representing big business corporations and financial institutions. Moreover, as the politics of Obama’s health-care reform indicate—a gift to the health insurance giants—such lobbying, as corrupt and unethical as it may be, is now carried out in the open and displayed by insurance and drug companies as a badge of honor—a kind of open testimonial to their disrespect for democratic governance and a celebration of their power....

The protean forces for creating an authoritarian state are in full play in the United States and extend far beyond the shadow of a debased and corrupt politics.... At the same time, a reign of lawlessness is overtaking the United States as police violence and **state terrorism result in the killing of an increasing number of black men, women, and young people.** But such a list barely scratches the surface. Institutions that were once designed to serve the public good now wage war against all things public. For instance, we have witnessed in the last thirty years the restructuring of public education as either a source of profit for corporations or an updated version of control modeled after prison culture coupled with an increasing culture of lying, cruelty, and corruption.

A culture of thoughtlessness now drives the predatory formative culture that allows a range of anti-democratic tendencies to flourish—tendencies that embody a new and extreme form of lawlessness and a theater of cruelty. **Civic literacy in the United States is not simply in decline, it is the object of scorn and derision.** The corporate controlled media have

abandoned even the pretense of holding power accountable and now primarily serve as second rate entertainment venues spouting the virtues of balance, consumerism, greed, and American exceptionalism.... **The seeds of extremism are everywhere.** Instead of being educated, school children are handcuffed and punished for trivial infractions or simply taught how to take tests and give up on any vestige of critical thinking.... A war culture now shapes every aspect of society as war-like values, a hyper-masculinity, and an **aggressive militarism seeps into every major institution in the United States including the schools, the media, and local police forces.** The criminal justice system has become the default structure for dealing with social problems. More and more people are considered disposable and excess because they are viewed as a drain on the wealth or offend the sensibilities of the financial elite who are rapidly consolidating class power....

The spirit of aggression and the spectacle of violence permeates the culture and deeply imprints domestic and foreign policy. As Robert Koehler points out, **“America is armed and dangerous – and always at war, both collectively and individually.”** [x] The outcome of this unfolding nightmare will be not only a political and economic instability but this disappearance of public institutions to serve public needs, if not politics itself. At the same time, the destruction of a public culture that embraces and sustains democratic values and practices will be intensified. Surely all this points to what Hannah Arendt believed was the harbinger of totalitarianism—the disappearance of the thinking and speaking citizens who make politics possible....

Totalitarianism is a complex systemic register that is deeply woven into American ideology, governance, and policy. It is present in the attack on the welfare state, the attack on civil liberties, the indiscriminate killing of civilians by drones, illegal wars, the legitimization of state torture, and the ongoing spread of domestic violence against minorities of class and color..... **Totalitarianism destroys everything that democracy makes possible and in doing so thrives on mass terror, manufactured stupidity, and the disappearance of politics,** all the while making of human beings superfluous. Yet, power however tyrannical is never without resistance. Dark times are not ahead, they are here but that does not mean they are here to stay.

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2. US Targeted Killings: What Right Do We Have? *Noam Chomsky*

“What right do we have to kill somebody in some other country who we don't like?”

This idea, that the United States has the right to invade, bomb, and kill, is a myth that renowned author and intellectual Noam Chomsky debunked during a 25-minute interview with Abby Martin for teleSUR's The Empire Files. Even if the Doctors Without Borders hospital in Kunduz, Afghanistan, which the United States bombed in October, had been only full of Taliban, Chomsky asks, why does the United States feel it has the right to kill people there?

“The idea that we have the right to use force and violence at will is accepted pretty much across the spectrum,” Chomsky said of politicians and the media in the United States. **“The very idea of invading is criminal,** but try to find someone who describes it as a crime. Obama is praised because he describes (the Iraq War) as a mistake.” Obama is considered an anti-war candidate **(but) Obama is running a global terror program of a kind that has never been seen before.** Calling the invasion of Iraq “the worst crime of this century,” Chomsky said, “Suppose it had worked ... it's still a major crime, why do we have the right to invade another country?”

He points out that in the current landscape of U.S. presidential contenders there is not one true anti-war candidate. He says this pro-war, right-wing shift has been a result of the implementation of neoliberal policies, which shifted both parties to the right, pushing the Republicans “off the spectrum.” **“They became so dedicated to the interests of the extreme wealth and powerful that they couldn't get votes,”** Chomsky said. “So they had to turn to

other constituencies that were there, but were never politically mobilized, like Christian evangelicals (and) people who are so terrified that they have to carry a gun into a coffee shop.”

In doing so, the Republican Party “abandoned any pretense of being a normal political party” to become “a radical insurgency which has abandoned parliamentary politics.”

“The only thing that’s ever going to bring about any meaningful change is ongoing, dedicated popular movements, which don’t pay any attention to the election cycle.” Chomsky said the result is that today’s Democrats have shifted to the right as well. “Today’s mainstream Democrats are pretty much what used to be called moderate Republicans,” he said. “Someone like Eisenhower, for example, would be considered way out on the Left.” He calls today’s Republican “libertarian” principles “anarcho-capitalism,” saying that if the U.S. were to implement policy based on those theories, “the whole society would collapse ... it would be tyranny.”

Traditional libertarianism was a left-wing ideology, Chomsky explains, opposed to master-servant relations, “but not in this version.” Chomsky talks about Bernie Sanders, who is considered the most left-wing and progressive of the presidential candidates, calling him important and impressive, saying he is “doing good and courageous things.”... “**When the election’s over, the movement’s going to die,**” Chomsky observes. “The only thing that’s ever going to bring about any meaningful change is ongoing, dedicated popular movements, which don’t pay any attention to the election cycle.” [7]

Prof. Noam Chomsky (born December 7, 1928) is an American linguist, cognitive scientist, philosopher, logician, political commentator... Today, he continues to be a well-known political activist, and a leading critic of U.S. foreign policy, neoliberal capitalism, and the mainstream news media.

3. US Has Killed More Than 20 Million In 37 Nations Since WWII

James A. Lucas

After the catastrophic attacks of September 11 2001 monumental sorrow and a feeling of desperate and understandable anger began to permeate the American psyche. A few people at that time attempted to promote a balanced perspective by pointing out that the United States had also been responsible for causing those same feelings in people in other nations, but they produced hardly a ripple. Although Americans understand in the abstract the wisdom of people around the world empathizing with the suffering of one another, such a reminder of wrongs committed by our nation got little hearing and was soon overshadowed by an accelerated “war on terrorism.”

But we must continue our efforts to develop understanding and compassion in the world. Hopefully, this article will assist in doing that by addressing the question “*How many September 11ths has the United States caused in other nations since WWII?*” This theme is developed in this report which contains an estimated numbers of such deaths in 37 nations as well as brief explanations of why the U.S. is considered culpable. The causes of wars are complex. In some instances nations other than the U.S. may have been responsible for more deaths, but if the involvement of our nation appeared to have been a necessary cause of a war or conflict it was considered responsible for the deaths in it. In other words they probably would not have taken place if the U.S. had not used the heavy hand of its power. The military and economic power of the United States was crucial.

This study reveals that U.S. military forces **were directly responsible for about 10 to 15 million deaths** during the Korean and Vietnam Wars and the two Iraq Wars. The Korean War also includes Chinese deaths while the Vietnam War also includes fatalities in Cambodia and Laos. The American public probably is not aware of these numbers and knows even less about the proxy wars for which the United States is also responsible. In the latter wars **there were between nine and 14 million deaths** in Afghanistan, Angola, Democratic Republic of the Congo, East Timor, Guatemala, Indonesia, Pakistan and Sudan. But the victims are not just from big nations or one part of the world. The remaining deaths were in smaller ones which

constitute over half the total number of nations. **Virtually all parts of the world have been the target of U.S. intervention.**

The overall conclusion reached is that the United States most likely has been responsible since WWII for the deaths of **between 20 and 30 million people** in wars and conflicts scattered over the world. To the families and friends of these victims it makes little difference whether the causes were U.S. military action, proxy military forces, the provision of U.S. military supplies or advisors, or other ways, such as economic pressures applied by our nation. They had to make decisions about other things such as finding lost loved ones, whether to become refugees, and how to survive. And the pain and anger is spread even further. Some authorities estimate that there are as many as 10 wounded for each person who dies in wars. Their visible, continued suffering is a continuing reminder to their fellow countrymen. It is essential that Americans learn more about this topic so that they can begin to understand the pain that others feel. Someone once observed that the Germans during WWII “chose not to know.” We cannot allow history to say this about our country. The question posed above was **“How many September 11ths has the United States caused in other nations since WWII?” The answer is: possibly 10,000.**

Comments on Gathering These Numbers. Generally speaking, the much smaller number of Americans who have died is not included in this study, not because they are not important, but because this report focuses on the impact of U.S. actions on its adversaries. An accurate count of the number of deaths is not easy to achieve, and this collection of data was undertaken with full realization of this fact. These estimates will probably be revised later either upward or downward by the reader and the author. **But undoubtedly the total will remain in the millions.**

The difficulty of gathering reliable information is shown by two estimates in this context. For several years I heard statements on radio that three million Cambodians had been killed under the rule of the Khmer Rouge. However, in recent years the figure I heard was one million. Another example is that the number of persons estimated to have died in Iraq due to sanctions after the first U.S. Iraq War was over 1 million, but in more recent years, based on a more recent study, a lower estimate of around a half a million has emerged. Often information about wars is revealed only much later when someone decides to speak out, when more secret information is revealed due to persistent efforts of a few, or after special congressional committees make reports. Both victorious and defeated nations may have their own reasons for underreporting the number of deaths. Further, in recent wars involving the United States it was not uncommon to hear statements like “we do not do body counts” and references to “collateral damage” as a euphemism for dead and wounded. Life is cheap for some, especially those who manipulate people on the battlefield as if it were a chessboard.

To say that it is difficult to get exact figures is not to say that we should not try. Effort was needed to arrive at the figures of six million Jews killed during WWII, but knowledge of that number now is widespread and it has fueled the determination to prevent future holocausts. That struggle continues. 37 VICTIM NATIONS... (Full text [8])

James A. Lucas, a retired social worker, is an anti-war and anti-imperialist activist member of the September 11 Coalition/Dayton Peace Action. In 2010 he was the recipient of the first Dayton Peace Hero Award granted by the Dayton International Peace Museum. **E-mail:** jlucas511@woh.rr.com

4. In Mali and Rest of Africa, The U.S. Military Fights a Hidden War. *Nick Turse*

The general leading the U.S. military’s hidden war in Africa says the continent is now home to **nearly 50 terrorist organizations and “illicit groups” that threaten U.S. interests.** And today, gunmen reportedly yelling “Allahu Akbar” stormed the Radisson Blu hotel in Mali’s capital and seized several dozen hostages. U.S. special operations forces are “currently assisting hostage recovery efforts,” a Pentagon spokesperson said, and U.S. personnel have “helped move civilians to secured locations, as Malian forces clear the hotel of hostile

gunmen.” In Mali, groups like Ansar Dine and the Movement for Unity and Jihad in West Africa have long posed a threat. Major terrorist groups in Africa include al Shabaab, Boko Haram and al Qaeda in the Islamic Magreb (AQIM). **In the wake of the Paris attacks by ISIS, attention has been drawn to ISIS affiliates in Egypt and Libya, too.** But what are the dozens of other groups in Africa that the Pentagon is fighting with more special operations forces, more outposts, and more missions than ever?

For the most part, the Pentagon won't say. Brig. Gen. Donald Bolduc, chief of U.S. Special Operations Command Africa, made a little-noticed comment earlier this month about these terror groups. **After describing ISIS as a transnational and trans regional threat,** he went on to tell the audience of the Defense One Summit, “Although ISIS is a concern, so is al Shabaab, so is the Lord’s Resistance Army in Central Africa and the 43 other illicit groups that operate in the area ... Boko Haram, AQIM, and other small groups in that area.” Bolduc mentioned only a handful of terror groups by name, so I asked for clarification from the Department of Defense, Africa Command (Africom), and Special Operations Command Africa (SOCAFRICA). None offered any names, let alone a complete accounting. SOCAFRICA did not respond to multiple queries by The Intercept. Africom spokesperson Lt. Cmdr. Anthony Falvo would only state, “I have nothing further for you.”

While the State Department maintains a list of foreign terrorist organizations (FTOs), including 10 operating in Africa (ISIS, Boko Haram, Ansar Bayt al-Maqdis, al Shabaab, AQIM, Ansaru, Ansar al-Din, Ansar al-Shari’a in Tunisia, as well as Libya’s Ansar al-Shari’a in Benghazi and Ansar al-Shari’a in Darnah), it “does not provide the DoD any legal or policy approval,” according to Lt. Col. Michelle Baldanza, a Defense Department spokesperson. “The DoD does not maintain a separate or similar list of Foreign Terrorist Organizations for the government,” she said in an email to The Intercept. “In general, not all groups of armed individuals on the African continent that potentially present a threat to U.S. interests would be subject to FTO. DoD works closely with the Intel Community, Inter-Agency, and the [National Security Council] to continuously monitor threats to U.S. interests; and when required, identifies, tracks, and presents options to mitigate threats to U.S. persons overseas.”

This isn't the first time the Defense Department has been unable or unwilling to name the groups it's fighting. In 2013, The Intercept's Cora Currier, then writing for ProPublica, **asked for a full list of America's war-on-terror enemies and was told by a Pentagon spokesperson that public disclosure of the names could increase the prestige and recruitment prowess of the groups and do “serious damage to national security.”**... The secret of whom the U.S. military is fighting extends to Africa. **Since 9/11, U.S. military efforts on the continent have grown in every conceivable way,** from funding and manpower to missions and outposts, while at the same time the number of transnational terror groups has increased in linear fashion, according to the military. The reasons for this are murky. Is it a spillover from events in the Middle East and Central Asia? Are U.S. operations helping to spawn and spread terror groups? Is the Pentagon inflating the terror threat for its own gain? Is the rise of these terrorist organizations due to myriad local factors? Or more likely, is it a combination of these and other reasons? **The task of answering these questions is made more difficult when no one in the military is willing to name more than a handful of the transnational terror groups that are classified as America's enemies.**

Before 9/11, Africa seemed to be free of transnational terror threats, according to the U.S. government. In 2000, for example, a report prepared under the auspices of the U.S. Army War College's Strategic Studies Institute examined the “African security environment.” While noting the existence of “internal separatist or rebel movements” in “weak states,” as well as militias and “warlord armies,” it made no mention of Islamic extremism or major transnational

terror threats. In early 2002, a senior Pentagon official speaking on background told reporters that the U.S. invasion of Afghanistan might drive “terrorists” out of that nation and into Africa....

The U.S. nonetheless deployed military personnel to Africa in 2002, while the State Department launched a big-budget counterterrorism program, known as the Pan Sahel Initiative, to enhance the capabilities of the militaries of Chad, Mali, Mauritania, and Niger. In 2005, **that program expanded** to include Algeria, Morocco, Nigeria, Senegal, and Tunisia and was renamed the Trans-Sahara Counterterrorism Partnership. In the years that followed, the U.S. increased its efforts. In 2014, for example, the U.S. **carried out 674 military missions** across the continent – an average of nearly two per day and an increase of about 300 percent since U.S. Africa Command was launched in 2008. The U.S. also took part in a number of multinational military interventions, including a coalition war in Libya, assistance to French and African forces fighting militants in Central African Republic and Mali, and the training and funding of African proxies to do battle against extremist groups like al Shabaab and Boko Haram. The U.S. has also carried out a shadow war of special ops raids, drone strikes and other attacks, as well as an expanding number of training missions by elite forces. U.S. special operations teams are now **deployed to 23 African countries “seven days a week, 24/7,”** according to Bolduc. “The most effective thing that we do is about 1,400 SOF operators and supporters integrated with our partner nation, integrated with our allies and other coalition partners in a way that allows us to take advantage of each other’s capabilities,” he said.

The U.S. military has also set up a network of bases – although it is loath to refer to them in such terms. A recent report by The Intercept, relying on classified documents leaked by a whistleblower, detailed an archipelago of outposts integral to a secret drone assassination program that was based at the premier U.S. facility on the African continent, Camp Lemonnier in Djibouti. **That base alone has expanded since 2002 from 88 acres to nearly 600 acres**, with more than \$600 million allocated or awarded for projects and \$1.2 billion in construction and improvements planned for the future. A continent relatively free of transnational terror threats in 2001 is – after almost 14 years of U.S. military efforts – now rife with them, in the Pentagon’s view. [9]....

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5. The US Fear of Peace. *S. Brian Willson*

(Full text of the article with all the references see here: [10]).

*Wherever Western man went, slavery, land robbery, lawlessness,
culture-wrecking, and the outright extermination of
both wild beasts and tame men went with him.*

Lewis Mumford

*The West has ravaged the world for five hundred years,
under the flag of master-slave theory which in our finest
hour of hypocrisy was called ‘the white man’s burden’...
What sets the West apart is its persistence to stop at nothing.*

Hans Koning

I. In 1779, during the Revolutionary War, Continental Army Supreme General **George Washington’s** ordered General Sullivan to completely defeat the Indigenous Iroquois Indians in upstate New York. He ordered “The Indian Country should be occupied with all expedition...to lay waste all the settlements around, with instructions to do it in the most effectual manner, that the country may not be merely overrun, but destroyed”. The orders stressed the “total destruction and devastation of their settlements”, including to “ruin their

crops”, while stipulating that Sullivan would “not by any means listen to any overture of peace before the total ruinment of their settlementsOur future security will be in their inability to injure us and in the terror with which the severity of the chastisement they receive will inspire them”. **Here we find historical US military operating principles of total war targeting civilians (all inhabitants) through use of terror, while refusing any efforts for achieving peace.**

In 1776, Thomas Jefferson penned the Declaration of Independence that included the following words: “He (King of Great Britain) has excited domestic insurrections amongst us, and has endeavoured to bring on the inhabitants of our frontiers, the merciless Indian Savages, whose known rule of warfare, is an **undistinguished destruction of all ages, sexes and conditions**”. The description of our original inhabitants – genuine human beings – as “merciless savages”, of course, is grotesquely a racist, demonizing term, enabling massively slaughtering them with no remorse whatsoever. Ironically, **this description accurately describes our own US military behavior around the world**, an example of what psychologist Carl Jung called the “shadow concept”, a trick that projects ones own inner demons (shadow) on others, rather than honestly addressing them.

II. In 1866, as Sioux Indians were opposing construction through their sacred lands of the Bozeman Trail linking white settlers to the newly discovered gold mines in Montana, US Army Captain William J. Fetterman boasted that with his eighty men he could destroy the Indigenous Sioux nation. Shockingly, on hearing of the defeat of the entire Fetterman detachment (Ft Kearney Massacre), General William Tecumseh Sherman wrote US Commanding General Ulysses S. Grant: We must act **with vindictive earnestness against the Sioux, even to their extermination, men, women and children**. Nothing else will reach the root of this case.

III. When there was temporary cessation of shooting in Korea on November 28, 1951, the day after agreement on a cease-fire line, **there was a near hysterical fear of peace in Washington**. As the truce talks bogged down over existence of air bases and exchange of prisoners, US military officers were readily scheming a roll back war with China. Chiang Kai-shek (the loser, along with his US backers, in the China Civil War when the Communists prevailed two years earlier in November 1949) and right wing political sidekick Syngman Rhee, **feared Korean peace would be the end of their political ambitions**. And prominent Republican and future Secretary of State John Foster Dulles, **feared that peace would severely interfere with plans to build the old axis powers** (including of course Japan) into a new anti-Soviet crusade. **The dominant trend in US political, economic and military thinking was fear of peace**. General Van Fleet confirmed this when speaking to a delegation of Filipinos in January 1952: “Korea has been a blessing. There had to be a Korea either here or some place in the world”.

IV. In May 1986, a National Security Planning Group meeting of Reagan’s Cabinet-level officials was convened due to their alarm that Nicaragua was prepared to sign **the Contadora peace plan ending Reagan’s gruesome terrorist war against the elected government of revolutionary Nicaragua**. Washington’s strategy was to portray the plan as unacceptable to others in the region “while denouncing the Sandinistas for refusing to negotiate”. One official who attended the meeting was reported to have said it had been convened because “there was a **peace scare**”. Another report indicated that “U.S. officials said the Reagan administration sought to disrupt the efforts of the Contadora group of nationsbecause the peace talks complicated efforts to persuade Congress to approve Contra aid”. New York Times columnist Anthony Lewis, in discussing the Central American peace process, summarized the Reagan administration: “**They want war. That is the policy**... As Mr. Wright said, they ‘are scared to death that peace will break out’”.

V. Peace absolutely requires justice as a foundation. **The U.S. cannot afford justice in Central America (or elsewhere)** unless it is willing to endure a painful but liberating revolution of consciousness and values that no longer lives by the principles of greed, unlimited consumerism and domination. The US population with 4.6 percent of the world's population insists to remain in denial about the fact that preservation of its insatiable consumption habits requires devouring some 30 percent of the world's resources, outsourcing all the consequent pain and suffering of the majority of the world's people and destruction of the Earth's ecosystem.

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6. The Pentagon's Law of War Manual:

A Blueprint for Total War and Military Dictatorship. *Tom Carter*

(The full text see here [11]). The new US Department of Defense Law of War Manual is essentially a guidebook for violating international and domestic law and committing war crimes. The **1,165-page** document, dated **June 2015** and recently made **available online**, is not a statement of existing law as much as a compendium of what the Pentagon wishes the law to be. According to the manual, **the "law of war" (i.e., the law of war according to the Pentagon) supersedes international human rights treaties as well as the US Constitution**. The manual authorizes the killing of civilians during armed conflict and establishes a framework for mass military detentions. Journalists, according to the manual, can be censored and punished as spies on the say-so of military officials. **The manual freely discusses the use of nuclear weapons**, and it does not prohibit napalm, depleted uranium munitions, cluster bombs or other indiscriminate weapons. **The manual might have more properly been titled A Manifesto for Total War and Military Dictatorship.**

The manual is an expression of the **incompatibility of imperialist militarism and democracy**. In the 25 years since the liquidation of the USSR, and especially over the 14 years since the launching of the so-called "war on terror," the United States has been almost perpetually at war, seeking to offset its economic decline by threats and military violence around the world. **The same government that orchestrated a coup led by fascists in the Ukraine, that backs a military dictatorship and repression in Egypt, and that supports mass killings and destruction in Gaza can hardly be expected to remain true to the rule of law and democratic principles at home**. Through both the Bush and Obama administrations, the "war on terror" has been accompanied by a steady abrogation of democratic rights within the United States, including a barrage of police state legislation such as the Patriot Act, unrestricted spying on the population by the National Security Agency and other agencies, the militarization of the police, and the establishment of precedents for the detention and assassination of US citizens without charges or trial. In this context, the Pentagon manual is a significant milestone in the drive to establish the framework of a police state.

In his farewell address in 1961, President Dwight D. Eisenhower famously warned about the dangers posed by the "military-industrial complex." **But America's current military-corporate-intelligence establishment has metastasized far beyond anything Eisenhower could have imagined**. Bloated with unlimited cash, dripping with blood from wars of aggression, it boldly announces its independence, its hostility to democracy and the rule of law, and its readiness to carry out war crimes and other atrocities at home and abroad.

The Pentagon manual reflects international imperialist tendencies. Its authors state that it "benefited from the participation of officers from the United Kingdom's Royal Air Force

and the Australian Royal Air Force on exchange assignments with the US Air Force.” They continue: “In addition, military lawyers from Canada, the United Kingdom, New Zealand, and Australia reviewed and commented on a draft of the manual in 2009 as part of a review that also included comments from distinguished scholars.” (P. v)

The manual, which “reflects many years of labor and expertise,” applies to the entire Department of Defense, which includes the Army, Navy, Air Force, Marine Corps, four national intelligence agencies including the NSA, and numerous other subordinate departments and agencies, **totaling 2.13 million active duty personnel and 1.1 million reservists**. The manual notes, “Promulgating a DoD-wide manual on the law of war has been a long-standing goal of DoD lawyers.” (P. v) The new document supersedes various policy documents that had accumulated piecemeal within different sections of the military and intelligence agencies....

There was an undeniable component of “victors’ justice” in the proceedings. The same week in August 1945 that the United States, the USSR, Britain and France forged an agreement to establish the International Military Tribunal, **the United States committed some of the most heinous crimes of the war: the atomic bombings of Hiroshima and Nagasaki**. Nonetheless, the democratic legal positions espoused at Nuremberg stand in sharp contrast to **the corrupt and lawless American political establishment of today, which asserts the right to abduct or assassinate any person without charges or trial anywhere on earth, attack any country “preventively,” and spy on the entire world’s population....**

The chief US prosecutor was Supreme Court Justice Robert Jackson. His assistant, Telford Taylor, emphasized in a memorandum to Jackson that the underlying motivations and aims of the Nazis were not the decisive legal questions: “The question of causation is important and will be discussed for many years, but it has no place in this trial, which must rather stick rigorously to the doctrine that planning and launching an aggressive war is illegal, whatever may be the factors that caused the defendants to plan and to launch.” **In other words, launching a war of aggression is a criminal act – a crime against peace – no matter what arguments or policies are invoked to justify it.....**

If launching a war of aggression is illegal, **arrest warrants should be forthcoming for Barack Obama, Hillary Clinton, George W. Bush, Dick Cheney, Donald Rumsfeld, John Brennan, Leon Panetta, Robert Gates, James Clapper, John Ashcroft, Joe Biden, John Kerry and their criminal co-conspirators**. All of these individuals should be in the dock, right where Göring and company sat, **on charges of war crimes, crimes against humanity and crimes against peace.....**

Just last year, American political leaders were denouncing Russian “aggression” in Ukraine. After the United States orchestrated a coup in Ukraine, and while American commandos and dollars were pouring in, John Kerry accused Russia of violating Ukraine’s “national sovereignty” and “territorial integrity.” Obama declared, “There is a strong belief that Russia’s action is violating international law.” On the other hand, **notwithstanding all the talk about international law, national sovereignty, and territorial integrity, America invades and bombs anywhere it sees fit, without any regard for such considerations**. Where the United States can obtain international legal approval for its aggression, it does so, but otherwise **the aggression takes place anyway.....**

Tom Carter, newspaper journalist and a former reporter for Time and People magazines

7. Wars: US Militarist Factions in Command. *James Petras*

(The full text see here [12]). Over the past 15 years the US has been engaged in a series of wars, which has led many writers to refer to **the ‘rise of militarism’ – the growth of an empire, built primarily by and for the projection of military power** – and only secondarily to advance economic imperialism. The rise of a military-based empire, however, does not preclude the emergence of competing, conflicting and convergent power configurations within the imperial state. **These factions of the Washington elite define the objectives and targets of imperial warfare**, often on their own terms. Having stated the obvious **general fact of the power of militarism within the imperial state**, it is necessary to recognize that the key policy-makers, who direct the wars and military policy, will vary according to the country targeted, type of warfare engaged in and their conception of the war. In other words, while **US policy is imperialist and highly militaristic**, the key policymakers, their approach and the outcomes of their policies will differ. There is **no fixed strategy** devised by a cohesive Washington policy elite guided by a unified strategic vision of the US Empire.

In order to understand the current, seemingly **endless wars**, we have to examine the shifting coalitions of elites, who make decisions in Washington but not always primarily for Washington. Some factions of the policy elite have clear conceptions of the American empire, but others improvise and rely on superior ‘political’ or ‘lobbying’ power to successfully push their agenda in the face of repeated failures and suffer no consequences or costs. We will start by listing US imperial wars during the last decade and a half. We will then identify the main policy-making faction which has been the driving force in each war. We will discuss their successes and failures as imperial policy makers and conclude with an evaluation of “the state of the empire” and its future.

Imperial Wars: From 2001 – 2015. The current war cycle started in late 2001 with the US invasion and occupation of Afghanistan. This was followed by the invasion and occupation of Iraq in March 2003, the US arms support for Israel’s invasion of Lebanon in 2006, the proxy invasion of Somalia in 2006/7; the massive re-escalation of war in Iraq and Afghanistan in 2007 – 2009; the bombing, invasion ‘regime change’ in Libya in 2011; the ongoing proxy-mercenary war against Syria (since 2012), and the ongoing 2015 Saudi-US invasion and destruction of Yemen. In Europe, the US was behind the 2014 proxy putsch and violent ‘regime change’ in Ukraine which has led to an ongoing war against ethnic Russian speakers in south-east Ukraine, especially the populous industrial heartland of the Donbas region.

Over the past 15 years, there have been overt and covert military interventions, accompanied by an intense, **provocative military build-up along Russia’s borders in the Baltic States, Eastern Europe (especially Poland), the Balkans (Bulgaria and Romania) and the mammoth US base in Kosovo; in Central Europe with nuclear missiles in Germany and, of course, the annexation of Ukraine and Georgia as US-NATO clients.** Parallel to the **military provocations encircling Russia**, Washington has launched a major military, political, economic and diplomatic offensive aimed at isolating China and affirming US supremacy in the Pacific. In South American, US military intervention found expression via Washington-orchestrated business-military coup attempts in Venezuela in 2002 and Bolivia in 2008, and a successful ‘regime change’ in Honduras in 2009, overthrowing its elected president and installing a US puppet. **In summary, the US has been engaged in two, three or more wars since 2001**, defining an almost exclusively militarist empire, run by an imperial state directed by civilian and military officials seeking unchallenged global dominance through violence.

Washington: Military Workshop of the World. War and violent regime change are the exclusive means through which the US now advances its foreign policy. However, the various Washington war-makers among the power elite **do not form a unified bloc with common priorities.** Washington provides the weapons, soldiers and financing for whichever power configuration or faction among the elite is in a position, by design or default, to seize the

initiative and push their own war agenda. The invasion of Afghanistan was significant in so far as it was seen by all sectors of the militarist elite, as the first in a series of wars. Afghanistan was to set the stage for the launching of higher priority wars elsewhere.

Afghanistan was followed by the infamous 'Axis of Evil' speech, dictated by Tel Aviv, penned by presidential speech-writer, David Fromm and mouthed by the brainless President Bush, II. **The 'Global War on Terror' was the thinly veiled slogan for serial wars around the world. Washington measured the loyalty of its vassals among the nations of Europe, Asia, Africa and Latin America by their support for the invasion and occupation of Afghanistan.** The Afghan invasion provided the template for future wars. It led to an unprecedented increase in the military budget and ushered in 'Caesar'-like dictatorial presidential powers to order and execute wars, silencing domestic critics and sending scores of thousands of US and NATO troops to the 'Hindu Kush'. In itself, Afghanistan was never any threat and certainly no economic prize for plunder and profit. The Taliban had not attacked the US. Osama Bin Laden could have been turned over to a judicial tribunal – as the governing Taliban had insisted...

Washington's **militarist elites fabricated the link between the attacks on 9/11/2001 and Afghanistan's** governing Taliban and the presence of the Saudi warlord Osama Bin Laden. Despite the 'fact' that most of the 'hijackers' were from the kingdom of Saudi Arabia and none were Afghans, invading and destroying Afghanistan was to be the initial test to gauge the highly manipulated and frightened American public's willingness to shoulder the burden of a huge new cycle of imperial wars. This has been the only aspect of the invasion of Afghanistan that could be viewed as a policy success – it made the costs of endless wars 'acceptable' to a relentlessly propagandized public.....

Ukraine: Coups, Wars and Russia's 'Underbelly'. With the US-orchestrated coup and intervention in Ukraine, the militarist factions once again seized the initiative, establishing a puppet regime in Kiev and targeting Russia's strategic 'soft underbelly'. The plan had been to take over Russia's strategic military bases in Crimea and cut Russia from the vital military-industrial complexes in the Donbas region with its vast iron and coal reserves. The mechanics of the power grab were relatively well planned, the political clients were put in power, but the US militarists had made no contingencies for propping up the Ukrainian economy, cut loose from its main trading partner and oil and gas supplier, Russia. The coup led to a 'proxy war' in the ethnic-Russian majority regions in the south east (the Donbas) with four 'unanticipated consequences'. 1) a country divided east and west along ethno-linguistic lines, (2) a bankrupt economy made even worse by the imposition of an IMF austerity program, (3) a corrupt crony capitalist elite, which was 'pro-West by bank account', (4) and, after two years, mass disaffection among voters toward the US puppet regime.....

Conclusion. From our brief survey, it is clear that wars play a key role in US foreign policy in most regions of the world. However, war policies in different regions respond to different factions in the governing elite.....

James Petras is a Bartle Professor (Emeritus) of Sociology at Binghamton University, New York. He is the author of more than 62 books and over 600 articles in professional journals.

8. U.S. Successfully Tests New Nuclear Gravity Bomb In Nevada. *Brendan Byrne*

The newly upgraded B61-12 nuclear gravity bomb was successfully tested **for the third time** in the Nevada desert on October 20. After the light test, conducted by the U.S. Air Force and the National Nuclear Security Administration (NNSA), U.S. officials claimed that the launch proves Washington's "continued commitment to security," according to NNSA.

Updated nuclear bomb performs third successful test. This latest test took place at Tonopah Test Range in Nevada, although the bomb did not contain any enriched nuclear material. NNSA Deputy Administrator said that the test "provides additional evidence of the nation's continued

commitment to our nation's security and that of our allies and partners." "This demonstration of effective end-to-end system performance under representative delivery conditions marks another 2015 achievement in the development of the B61-12 Life Extension Program," she added. When fully operational the B61-12 is a nuclear gravity bomb, although the test flight only employed "representative non-nuclear components but no highly enriched uranium or plutonium, consistent with test treaty obligations," said a statement released on Monday.

Life Extension Program designed to maintain nuclear deterrent. The bomb was released by an F-15E warplane from Nellis Air Force base, and the B61-12 "demonstrated successful performance in a realistic guided flight environment." "All scheduled activities occurred successfully" and "telemetry and video data were properly collected," it continued. Researchers performed the launch as part of the B61-12 Life Extension Program (LEP) which is designed to repair or replace existing components of U.S. nuclear weapons to "ensure the ability to meet military requirements." **Testing of the new bomb began in July, and October's** launch was the last of three tests. According to the NNSA the LEP allows for the maintenance of a **viable nuclear deterrent without developing new weapons or conducting live underground tests**. The program was launched in February and could see the life of a weapon **extended by 20–30 years**.

Anti-proliferation advocates criticize new bomb. However the \$8 billion upgrade program is not without its critics. Anti-proliferation advocates have accused U.S. officials of disguising the fact that **they have built a new weapon, breaking President Obama's promise not to construct new nuclear bombs**. It is thought that the B61-12 will replace all earlier versions of the B61, including the B61-3, B61-4, B61-7, and B61-10. The NNSA says that the new B61-12 has the same capabilities as previous versions of the bomb and will not be guided by GPS. The U.S. Congress established the NNSA in 2000 as a semi-autonomous agency within the U.S. Department of Energy, which has a mandate of "enhancing national security through the military application of nuclear science." The expensive upgrade has drawn criticism because the B61 is a "dumb" bomb that has no place in modern day U.S. or NATO nuclear doctrine. However one of the upgrades is a set of moving fins that allow the bomb to be guided more accurately to its target. The yield can also be adjusted before launch, which some argue make it more usable and therefore more dangerous.

Senior U.S. officials considered use of nuclear weapons in Iraq. It should never be a good idea to think of a nuclear bomb as usable, but some U.S. military officials certainly appear to see it as a positive. Former U.S. Air Force Chief of Staff General Norton Schwartz acknowledged that the changes could affect how leaders think about using the B61. "Without a doubt. Improved accuracy and lower yield is a desired military capability. Without a question," he said. **Nuclear weapons were never meant to be used because of the huge, lasting damage that they would cause. If their use becomes a genuine consideration then the world is a far more dangerous place.** Former U.S. Vice President Dick Cheney ordered Colin Powell, then chair of Joint Chiefs of Staff, to assess how many tactical nuclear weapons it would take to destroy an armored division of Saddam Hussein's Republican Guard. According to a new biography of George W. Bush, Powell was uncomfortable ordering the analysis but he did it anyway.

The fact that **senior U.S. figures seriously contemplated the use of nuclear weapons goes to show that newer more "usable" bombs may in fact make the world less safe**. That is one of the major criticisms of the B61-12, which although it may not be an entirely new weapon, could cause a shift in attitude towards the use of nuclear weapons. Non-proliferation advocates appear to have lost the fight to keep the B61-12 from being deployed, and now it must be hoped that future military officials are not tempted to use it. [13]

Brendan Byrne, journalist, USA

9. Drone Strikes Fuel the Hatred that Led to Paris Attacks, Ex-Drone Pilots Say. *Joshua Kopstein*

In the past week, hawkish politicians and government officials have seized on the terrorist attacks that killed 129 in Paris in a renewed push for various counterterrorism agendas. Now four former US drone operators who took part in remote assassination missions in Iraq, Afghanistan and elsewhere are pushing back, describing in intimate detail the inner workings and culture of **the US drone program, which they say is fueling the resentment that drives the kind of violence recently seen in Paris.** “We came to the realization that **the innocent civilians we were killing only fueled the feelings of hatred that ignited terrorism and groups like ISIS,** while also serving as a fundamental recruitment tool similar to Guantanamo Bay,” the former operators wrote in an open letter to President Obama, CIA director John Brennan, and Secretary of Defense Ashton Carter. **“This administration and its predecessors have built a drone program that is one of the most devastating driving forces for terrorism and destabilization around the world.”**

Thursday morning at a cramped press conference in the heart of New York City's financial district, the group spoke of a “dehumanizing” culture within the program and their personal struggles before and after leaving their droning days behind. “It became really apparent as an instructor under the Obama administration that the mentality had shifted away from intel-building.” Among them was Brandon Bryant, a former sensor operator for the elite US Joint Special Operations Command (JSOC), who has been speaking out against US drone operations since quitting the job in 2011. Joining him were three senior airmen formerly from the US Air Force: Michael Haas, Stephen Lewis, and Cian Westmoreland, who spoke to the public as whistleblowers for the first time. Despite the US government's depiction of drone strikes as surgical and precise, **independent observers have counted thousands of people killed by US drones under both the Bush and Obama administrations, including hundreds of civilian casualties, many of them children.** According to secret US documents published by The Intercept, as many as 9 out of 10 people killed are not the intended targets—yet the Pentagon indiscriminately marks those killed with the uniform label “EKIA” (Enemy Killed In Action).

According to Bryant, many of those “EKIAs” **were innocent civilians who bought used SIM cards traded off by suspected militants.** According to the Snowden documents, SIM cards are one of the primary identifiers the NSA uses to help drone operators track and locate their targets. But many times, targets will simply flip their card on the black market, said Bryant, causing an innocent person to unknowingly place a giant metadata target above their head. “This happens pretty often,” said Bryant. “They're pretty wise to it.”

Michael Haas says that drone pilots have colorful terms of their own for people who appear under their crosshairs: In his squad, children spotted from a Predator drone's high-resolution camera were called “fun-sized terrorists.” Other times they were called “TITs,” for “Terrorist In Training,” while the act of launching a strike at them was “cutting the grass before it grows too tall” or “pulling the weeds before they take over the lawn.” “At the time you're so immersed in the culture that you just kind of go along with it,” said Haas. “It was anything you could do to remove their humanity, **but in the process you lose your own humanity.**” Haas, who was responsible for training new recruits at Creech Air Force Base just outside Las Vegas, says he observed “a rapid increase in quantity and a rapid decline in the quality of students” in the drone program. At one point, Haas says he was reprimanded after taking a rookie operator off a training mission, when the operator kept trying to justify a missile strike on a hunch that the target was “up to no good” rather than searching for solid intelligence. “It became really apparent as an instructor under the Obama administration that

the mentality had shifted away from intel-building,” said Haas. “Firing a Hellfire [missile] became the ultimate goal.”

The operators also spoke frankly about their personal struggles. **Haas noted “alcoholism wasn't considered a problem” among drone operators at Creech because “everybody drank.” He admitted he and a half-dozen other squad members also started heavily using cocaine and other drugs** that couldn't be detected in their urine tests, bath salts in particular. It was “anything you could do to defend that reality and not picture yourself being there,” he said. When a moderator asked how many of the operators suffered from PTSD, all four raised their hands. Several have been intermittently homeless or unable to obtain proper care from the office of Veteran's Affairs. Like other whistleblowers, the former operators have come out of the shadows of the military intelligence world at enormous personal cost to themselves. The operators' lawyer, Jesselyn Radack, says that Bryant and many of her **other former drone operator clients have been intimidated, receiving anonymous death threats and phone calls from the FBI claiming that they are on an “ISIS hit list” and should “tone down” their presence on social media and not speak about drones.** “This needs to be addressed,” said Bryant. “Every veteran deserves to have their story shared, no matter what role they played in the military industrial complex.” [14]

Joshua Kopstein, Journalist, USA

10. The Two Terrorisms and the Nonviolent Alternatives. *Nanni Salio*

(The full text see here [5]).

And Eye for an Eye and the Whole World Goes Blind

M.K. Gandhi

There are two terrorisms [raging about]: the **one from above, by the states, called war, and the one from beneath, by the insurgents, the rebels, the people taking the brunt of the former terrorism.** Which one comes first: the egg or the hen? **They both need each other, they feed each other in a surging spiral.** as can be seen every day in so many areas of the world, notably in the [Middle] Near East, but elsewhere as well. Phrases like “Skock and Awe” and “terror balance” were not thought up by Jihadists, but are the wicked fruit of big powers' strategic thinking. **And what about the victims? They are civilians, mainly;** yet let's not neglect the soldiers, undergoing the warfare stress, fear, death. **And what about the puppeteers? They are cozily sitting back, in parliaments, in the boards of arms corporations and their funding banks, in the military research facilities, think tanks and war schools, in the secret services, in the Pentagon, in the academic and scientific communities** offering their services to the cause of war, and so on. All of them do not wage war themselves, they plan it and get it waged by war labourers.

After every slaughter, like last November 13 one in Paris, opinion makers and politicians alike are often heard yell: “where are the pacifists?” Odd enough, this time around it hasn't been the case yet. **Maybe they had a quiver of shame: what they ought to wonder was rather: “where is NATO?”** Well, it was playing a naval war game with some 35,000 troops in the Mediterranean, in a mock-up of **next war to come, not against ISIS, but against Russia, and in the backdrop against China too.** And where were the intelligence agents – **so unintelligent – pretending to know nothing** beforehand and yet everything afterwards? That's the “big chessboard” of the “Great Game” for the control of Eurasia, as per Brezinski's elucubrations, whereby the pawns are armies. And victims – civilians – do not show up, as being seen as sheer “side damages”; nor do the puppeteers, acting well in the hide.

Frankenstein, doc Stranamore and ISIS/DAESH. At first it was Al Qaeda with Bin Laden, now it is ISIS with the Khalif. **Both are the result of the geopolitical experiments carried out in the world lab by those great neocon and Pentagon strategists.** By now **it is widely known that ISIS is an offspring of the policy that the USA have been carrying out in the Near East for at least the past quarter century.** Along with that, we should not forget about Israel, which has turned Palestine and notably Gaza into a lab for testing whatever sort of social control technology meant to strike terror into the hearts of its population. While pictures of black-clad ISIS men wielding a knife in one hand and an AK47 in the other one command fear, just the same is roused by robocops, soldiers and policemen turned into killer-robots. Media indulge into plenty of details depicting the violence inflicted on our fellow citizens, **but take great care not to report what happens almost every day with the onslaughts by armed drones, killing thousands of civilians, in their quest of retribution of the terror perpetrators.** The casualty ratio between those caused by our own armies and those by the jihadist groups may be 1000:1 or at best 100:1. And that is just referring to direct violence, whereas we pretend to oversee the dramatically bigger figures stemming from structural violence.

Clash of civilizations? Thereby not the one predicted by Samuel Huntington, **but the clash between the culture of violence, terror, barbarity and war, and the culture of love, mutual solidarity, happiness and nonviolence.** It is up to us to choose which side to stay on and which future we want to build for our children, grandchildren, and the whole humankind.

The alternatives of nonviolence. Nonviolence is by now well-known not to mean a passive attitude, but it needs at all time to be confirmed and shown as being action and political planning **for the building of a fair harmonic society by nonviolently transforming and resolving conflicts** – micro through macro – without resorting to political violence. Quite a stretch has been covered that way, dismayed as we may feel when facing tragic and utterly violent events. But we need to widen our view both history- and space wise so as to spot the already existing alternatives as well as the future ones. **We have a moral obligation to show evidence that all who died under the violence exerted by both terrorisms “have not died in vain!”** For this commitment to be made concrete, we may reasonably **identify two main sets of proposals by which to tackle the crises currently rending the humankind: non-military steps to be shortly taken, and mid/long-term nonviolent steps.**

Short-term non-military steps. Here are a few common-sense, reasonable proposals, largely agreed upon by different subjects, including institutional ones, not necessarily sharing a nonviolent view.

1. Breaking the flow of weapons to the belligerents, **as per international law**, so far largely disregarded.
2. **Breaking the funding of jihadist groups**, as ascertained mainly coming from Saudi Arabia and from oil and drug trafficking.
3. Resolutely and effectively tackling the plight of refugees, migrants and displaced people.
4. Offering viable alternatives to the youths immigrated to western countries living in degradation and (social) hardships.....

Mid- & long-term nonviolent steps. Short-term non-military steps as above can be started straight away, if consensus between local and international political institutions is created. But the whole humankind is nowadays sitting in a deep transformation phase, which has to be steered toward establishing a genuine nonviolent culture, if we are not to perish under the ominous threats of the impending global systemic slump (economic-financial, nutritional, ecological-climatic environmental, social-existential-ethical-cultural). Therefore, concrete mid- and long-term projects need to be tended and worked out. The following are some such suggestions, **an outcome of peace research studies started way back.**

1. Establishing and training **Peace Civil Corps** tasked with mediation, interposition and prevention, inspired by the experiences under way for decades, and implementing the proposals presented to major international institutions, incl. the European Union and the United Nations.

2. **Reconvert arms businesses and the whole military-industrial complex into civil industries and research centers for peace and experimenting with nonviolent conflict resolution techniques.**

3. **Fostering education paths to peace and nonviolence both inside school and in society at large**, so as to learn to creatively, concretely and constructively tackle conflicts, without falling into the trap of violence.

4. **Ecologic and intellectual turnabout of the world economy toward kinds of nonviolent Gandhian economy inspired by the pattern of voluntary simplicity and the principle of “starting from the (social) bottom”....**

5. **Using at best current worldwide communication capabilities in order to build a peace journalism** pitted to the dominant war journalism that can be seen in action at every mournful event....

7. Scientific culture and techno **science play a crucial role in humankind’s** evolutionary processes, but need steering too their huge potential toward a nonviolent culture. **Techno-scientists’ social responsibility is a major knot in scientific research....**

9. **Tackling the severe crisis of the Western representative democracies pivoting on parties**, which have been **mainly drifting to financial oligarchies and reactionary populisms** over time. Promoting active and widespread participation by and self-government of citizens.

10. **Regarding both terrorisms as a mind disorder, a deadly pathology of the humankind. Using the medical pattern of diagnosis-prognosis-therapy (of the past and the future), in order to treat the social actors of both terrorisms....** That is a collective task of the whole humankind; it is possible, rightful, exciting, **to put an end to violence in history** and trigger an evolutionary jolt in human nature.

Prof. Nanni Salio, Director, Centro Studi Sereno, Torino, Italy.

The GPS Editor in Chief Note. The USA/NATO global state terrorism as the “first terrorism” creating the ISIS/DAESH and similar “second terrorism” in Salio’s words is deeply unfolded and generalized in many scientific articles and books especially in the great work Noam Chomsky and Andre Vltchek (2013) *On Western Terrorism: From Hiroshima to Drone Warfare* [4].

11. Terrorism: Ultimate Weapon of the Global Elite. *Robert J. Burrowes*

(**The GPS Editor in Chief Note:** Original text with full references is here [15]). The usual definition of a ‘terrorist’ is simple: a person who uses violence in the pursuit of a political objective. By this definition, **the two major categories of terrorist are those political leaders who perpetrate state terror by attacking other countries** (ranging from launching a war, perhaps following a false flag operation, to conducting a drone strike) – see the classic book *The Real Terror Network: Terrorism in Fact and Propaganda* [16] – and those political leaders who use military violence in defense of a political objective. For insight into the damaged psychology of violent political leaders, see ‘*Understanding Obama and other People Who Kill*’. For much greater detail, see ‘Why Violence?’

However, the narrower Western public perception of a ‘terrorist’ is someone who attacks civilian targets usually, but not always, in the West (that is, far away from any war zone). **This is why US drone strikes on civilians in countries like Afghanistan, Pakistan, Somalia and Yemen, for example, do not attract similar condemnation.** Nor is there any condemnation of the Western use of terrorist groups as proxies in the war against the Syrian government. Consequently, groups like al Qaeda, Islamic State, al-Shabab and Boko Haram are labelled ‘terrorist’, essentially because they are presented as targeting and attacking ‘our’ civilians (or, as in the case of the girls kidnapped in Nigeria in 2014, ones with whom we are allowed to identify).

In his extensive research in the discipline of critical terrorism studies, Professor Richard Jackson recently concluded that *‘every major terrorist attack on Western targets since 2001, including the attacks in Bali, Madrid, London and Boston, has been claimed by the perpetrators to be revenge for Western military intervention in the Middle East. Even the beheadings of Western hostages were justified by Islamic State captors as a response to US*

bombing. In fact, every major academic study of the past ten years has confirmed that Western military intervention and its policies in the Middle East, including support for the state of Israel, is the primary motivation for anti-Western terrorist attacks. In 1996, a major study by the CATO Institute concluded that U.S. military intervention overseas was the primary driver of anti-American terrorism. The Chicago Project on Suicide Terrorism has drawn the same fundamental conclusion. See 'How not to tackle Islamic State'.

Professor Jackson goes on to say 'There is plenty of good research and information which could help to make reasonable and effective policies'. But, as Professor Jackson also knows, **we would be naïve to believe that Western elites have any interest in such policies. And here's why. Terrorism is the global elite's ultimate weapon and a primary instrument for achieving its policies. That is, terrorism enables the elite to manipulate geostrategic events in order to extend and consolidate its political, economic and social control over national societies and their resources.** Here's how it works.

Western elites and their allies wage war, in one form or another, on countries in other parts of the world (the Middle East and Africa being the preferred targets at the moment) specifically in order to induce a violent retaliation, including by groups which are secretly supported, materially and militarily, by these elites. See, for example, '*A Shameless Movement: Boko Haram and the Politics of Terror*'. Elites also conduct false flag operations, such as 9/11 – see, for example, '*The Destruction of the World Trade Center: Why the Official Account of 911 Cannot Be True*' – and the attack on Charlie Hebdo – see, for example, '*Charlie Hebdo Massacre: Another Staged Event to Incite War and Destroy Freedom?*' – to provoke public outrage. They then use the public outrage generated by these retaliations and the false flag operations to justify the continuation of their military attacks. **This enables them to expand elite control both in the regions under attack and also domestically.**

By harping on the 'threat of terrorism' to scare domestic populations, **Western elites and their allies are able to maintain their perpetual war** in pursuit of control of essential diminishing natural resources – particularly fossil fuels, strategic minerals and water – while increasing their social control of domestic populations through increasingly repressive domestic legislation that guts human rights and civil liberties, including those in relation to dissent, while increasing the powers of 'intelligence' services and the police as they consolidate the surveillance state. See, for example, '*How Australia just became a "national security state"*'.

Needless to say, **the elite makes good use of its paid agents in academia, think tanks, the corporate media and elsewhere to make sure that you are kept carefully misinformed and told what to think and how to react.**

If you are inclined to resist the elite use of terror against the rest of us, you are welcome to sign the online pledge of '*The People's Charter to Create a Nonviolent World*'.

Terrorism is intended to frighten and kill fellow human beings. Those who conduct terrorism and those who endorse it are badly psychologically damaged.

Robert J. Burrowes has a lifetime commitment to understanding and ending human violence. He is the author of '*Why Violence?*' **Address:** Australia. **Web:** <https://robertjburrowes.wordpress.com>

12. 'Huge Error': Former US Military Chief Admits

Iraq Invasion Spawned ISIS. *Nadia Prupis*

The U.S. is poised to repeat all the same mistakes in Syria that it made in Iraq after 9/11, says former head of Defense Intelligence Agency. The Islamic State (ISIS) formed in the wake of the U.S. invasion of Iraq, said (Ret.) U.S. General Mike Flynn. The 2003 U.S. invasion of Iraq fueled the creation of the Islamic State (ISIS) today and must serve as a warning against similar rash military intervention in Syria, a former U.S. intelligence chief said in an interview with German media on Sunday.

"When 9/11 occurred, all the emotions took over, and our response was, 'Where did those bastards come from? Let's go kill them. Let's go get them.' Instead of asking why they attacked us, we asked where they came from," former U.S. special forces chief Mike Flynn, who also served as director of the Defense Intelligence Agency (DIA), told Der Spiegel. "Then we strategically marched in the wrong direction."

In recent weeks, ISIS has claimed responsibility for attacks in Lebanon and Paris and the bombing of a Russian airplane over the Sinai peninsula, which together killed hundreds of people. Following the attacks, French President François Hollande vowed a "merciless" response against the group in Syria and Iraq – a statement that prompted comparisons between Hollande and former U.S. President George W. Bush in the wake of 9/11.

Echoing long-held arguments made by other experts, Flynn said Sunday that increased airstrikes and other offensives could be seen as an attempt to "invade or even own Syria," and that the fight against militant groups like ISIS will only succeed or make progress through collaborative efforts with both Western and Arab nations. "Our message must be that we want to help and that we will leave once the problems have been solved. The Arab nations must be on our side." Otherwise, **the U.S. is poised to repeat all its past mistakes**, he said.

Der Spiegel's Matthias Gebauer and Holger Stark noted that in February 2004, the U.S. military "already had [ISIS leader] Abu Bakr al-Baghdadi in your hands – he was imprisoned in a military camp, but got cleared later as harmless by a U.S. military commission. How could that fatal mistake happen?" Flynn replied:

We were too dumb. We didn't understand who we had there at that moment. [...] First we went to Afghanistan, where al-Qaida was based. Then we went into Iraq. **Instead of asking ourselves why the phenomenon of terror occurred, we were looking for locations.** This is a major lesson we must learn in order not to make the same mistakes again. Asked **whether he regretted the Iraq War**, Flynn responded simply, "**Yes, absolutely.**" "**It was a huge error,**" Flynn said. "As brutal as Saddam Hussein was, it was a mistake to just eliminate him. The same is true for Moammar Gadhafi and for Libya, which is now a failed state. The historic lesson is that **it was a strategic failure to go into Iraq.** History will not be and should not be kind with that decision."

Flynn's interview with Der Spiegel echoes comments he made to Al Jazeera's Mehdi Hasan in August that the U.S. "totally blew it" in preventing the caliphate's rise "in the very beginning." In fact, Flynn said, the U.S. **deliberately backed extremist groups within the Syrian rebel movement** as far back as 2012, when he was still DIA head. The Obama administration was aware at the time of a recently-declassified DIA memo that predicted the rise of a militant group in eastern Syria. Supporting the insurgency was a "willful decision," he said. [18]

Nadia Prupis, staff writer, Common Dreams, USA

13. How the West created the Islamic State. *Nafeez Ahmed*

(The full text see here [19]). OUR TERRORISTS. "This is an organisation that has an apocalyptic, end-of-days strategic vision which will eventually have to be defeated," Gen Martin Dempsey, chairman of the US Joint Chiefs of Staff, told a Pentagon press conference in August. Military action is necessary to halt the spread of **the ISIS/IS "cancer,"** said President Obama. Yesterday, in his much anticipated address, he called for expanded airstrikes across Iraq and Syria, and new measures to arm and train Iraqi and Kurdish ground forces. "The only way to defeat [IS] is to stand firm and to send a very straightforward message," declared Prime Minister Cameron. "A country like ours will not be cowed by these barbaric killers."

Missing from the chorus of outrage, however, has been any acknowledgement of the **integral role of covert US and British regional military intelligence strategy in empowering and even directly sponsoring the very same virulent Islamist militants in Iraq, Syria and beyond**, that went on to break away from al-Qaeda and form 'ISIS', the Islamic State of Iraq and Syria, or now

simply, the Islamic State (IS). **Since 2003, Anglo-American power has secretly and openly coordinated direct and indirect support for Islamist terrorist groups linked to al-Qaeda across the Middle East and North Africa.** This ill-conceived patchwork geostrategy is a legacy of the persistent influence of neoconservative ideology, motivated by longstanding but often contradictory ambitions to dominate regional oil resources, defend an expansionist Israel, and in pursuit of these, re-draw the map of the Middle East.

Now despite Pentagon denials that there will be boots on the ground – and Obama’s insistence that this would not be another “Iraq war” – local Kurdish military and intelligence sources **confirm that US and German special operations forces are already “on the ground here. They are helping to support us in the attack.”** US airstrikes on ISIS positions and arms supplies to the Kurds have also been accompanied by British RAF reconnaissance flights over the region and UK weapons shipments to Kurdish peshmerga forces.

Divide and rule in Iraq. “It’s not that we don’t want the Salafis to throw bombs,” said one US government defense consultant in 2007. “It’s who they throw them at – Hezbollah, Moqtada al-Sadr, Iran, and at the Syrians, if they continue to work with Hezbollah and Iran.” Early during the 2003 invasion and occupation of Iraq, **the US covertly supplied arms to al-Qaeda** affiliated insurgents even while ostensibly supporting an emerging Shi’a-dominated administration. Pakistani defense sources interviewed by Asia Times in February 2005 confirmed that insurgents described as “former Ba’ath party” loyalists – who were being recruited and trained by “al-Qaeda in Iraq” under the leadership of the late Abu Musab Zarqawi – were being supplied Pakistan-manufactured weapons by the US. The arms shipments included rifles, rocket-propelled grenade launchers, ammunition, rockets and other light weaponry. These arms “could not be destined for the Iraqi security forces because US arms would be given to them”, a source told Syed Saleem Shahzad – the Times’ Pakistan bureau chief who, “known for his exposes of the Pakistani military” according to the New Yorker, was murdered in 2011. **Rather, the US is playing a double-game to “head off” the threat of a “Shi’ite clergy-driven religious movement,”** said the Pakistani defense source. This was not the only way US strategy aided the rise of Zarqawi, a bin Laden mentee and brainchild of the extremist ideology that would later spawn ‘ISIS.’

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14. NATO is harboring the Islamic State. *Nafeez Ahmed*

(The full text see here [20]). Why France’s brave new war on ISIS is a sick joke, and an insult to the victims of the Paris attacks. “*We stand alongside Turkey in its efforts in protecting its national security and fighting against terrorism. France and Turkey are on the same side within the framework of the international coalition against the terrorist group ISIS.*” Statement by French Foreign Ministry, July 2015. **The 13th November Paris massacre will be remembered, like 9/11, as a defining moment in world history.** The murder of 129 people, the injury of 352 more, by ‘Islamic State’ (ISIS) acolytes striking multiple targets simultaneously in the heart of Europe, mark a major sea-change in the terror threat.

For the first time, a Mumbai-style attack has occurred on Western soil – the worst attack on Europe in decades. As such, it has triggered a seemingly commensurate response from France: the declaration of a nationwide state of emergency, the likes of which have not been seen since the 1961 Algerian war. ISIS has followed up with threats to attack Washington and New York City. Meanwhile, President Hollande wants European Union leaders to suspend the Schengen Agreement on open borders to allow dramatic restrictions on freedom of movement across Europe. He also demands the EU-wide adoption of the Passenger Name Records (PNR) system allowing intelligence services to meticulously track the travel patterns of Europeans, along with

an extension of the state of emergency to at least three months. Under the extension, **French police can now block any website, put people under house arrest without trial, search homes without a warrant, and prevent suspects from meeting others deemed a threat.**

“We know that more attacks are being prepared, not just against France but also against other European countries,” said the French Prime Minister Manuel Valls. “We are going to live with this terrorist threat for a long time.” Hollande plans to strengthen the powers of police and security services under new anti-terror legislation, and to pursue amendments to the constitution that would permanently enshrine the state of emergency into French politics. “We need an appropriate tool we can use without having to resort to the state of emergency,” he explained. Parallel with martial law at home, Hollande was quick to accelerate military action abroad, launching 30 airstrikes on over a dozen Islamic State targets in its de facto capital, Raqqa. France’s defiant promise, according to Hollande, is to “destroy” ISIS.

The ripple effect from the attacks in terms of the impact on Western societies is likely to be permanent. **In much the same way that 9/11 saw the birth of a new era of perpetual war in the Muslim world, the 13/11 Paris attacks are already giving rise to a brave new phase in that perpetual war:** a new age of Constant Vigilance, in which citizens are vital accessories to the police state, enacted in the name of defending a democracy eroded by the very act of defending it through Constant Vigilance. Mass surveillance at home and endless military projection abroad are the twin sides of the same coin of national security, which must simply be maximized as much as possible. “France is at war,” Hollande told French parliament at the Palace of Versailles. “We’re not engaged in a war of civilizations, because these assassins do not represent any. We are in a war against jihadist terrorism which is threatening the whole world.”

The friend of our enemy is our friend. Conspicuously missing from President Hollande’s decisive declaration of war, however, was any mention of the biggest elephant in the room: state-sponsorship. Syrian passports discovered near the bodies of two of the suspected Paris attackers, according to police sources, were fake, and likely forged in Turkey. Earlier this year, the Turkish daily Meydan reported citing an Uighur source that more than **100,000 fake Turkish passports had been given to ISIS.** The figure, according to the US Army’s Foreign Studies Military Office (FSMO), is likely exaggerated, but corroborated “by Uighurs captured with Turkish passports in Thailand and Malaysia.”...

The former ISIS fighter told Newsweek that Turkey was allowing ISIS trucks from Raqqa to cross the “border, through Turkey and then back across the border to attack Syrian Kurds in the city of Serekaniye in northern Syria in February.” ISIS militants would freely travel “through Turkey in a convoy of trucks,” and stop “at safe houses along the way.”... **A report by the Turkish Statistics Institute confirmed that the government had provided at least \$1 million in arms to Syrian rebels** within that period, contradicting official denials. Weapons included grenades, heavy artillery, anti-aircraft guns, firearms, ammunition, hunting rifles and other weapons – but the Institute declined to identify the specific groups receiving the shipments. ... **Turkey has also played a key role in facilitating the life-blood of ISIS’ expansion:** black market oil sales. Senior political and intelligence sources in Turkey and Iraq confirm that Turkish authorities have actively facilitated ISIS oil sales through the country. Last summer, Mehmet Ali Ediboglu, an MP from the main opposition, the Republican People’s Party, estimated the quantity of ISIS oil sales in Turkey at about \$800 million – that was over a year ago. By now, this implies that Turkey has facilitated over \$1 billion worth of black market ISIS oil sales to date....

Unsurprisingly, then, Turkey’s anti-ISIS bombing raids have largely been token gestures. Under cover of fighting ISIS, Turkey has largely used the opportunity to bomb the Kurdish forces of the Democratic Union Party (YPG) in Syria and Kurdistan Workers Party (PKK) in Turkey and Iraq. Yet those forces are widely recognized to be the most effective

fighting ISIS on the ground.....**It is not just Turkey. Senior political and intelligence sources in the Kurdish Regional Government (KRG) have confirmed the complicity of high-level KRG officials in facilitating ISIS oil sales, for personal profit, and to sustain the government's flagging revenues.**

German journalist Jurgen Todenhofer, who spent 10 days inside the Islamic State, reported last year that ISIS is being “indirectly” armed by the West: “They buy the weapons that we give to the Free Syrian Army, so they get Western weapons – they get French weapons... I saw German weapons, I saw American weapons.” **ISIS, in other words, is state-sponsored – indeed, sponsored by purportedly Western-friendly regimes in the Muslim world, who are integral to the anti-ISIS coalition.**

Europe’s dance with the devil. Turkey plays a key role in the US-Qatar-Saudi backed route designed to circumvent Russia and Iran, as an intended gas hub for exports to European markets.....**Never mind that under Erdogan, Turkey is the leading sponsor of the barbaric ‘Islamic State.’** We must not ask unpatriotic questions about Western foreign policy, or NATO for that matter. We must not wonder about the pointless spectacle of airstrikes and Stazi-like police powers, given our shameless affair with Erdogan’s terror-regime, which funds and arms our very own enemy

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15. The War against Youth in the U.S. *Henry Giroux*

(Full text of the article with all the references sees here: [21]). Following the insight of Hannah Arendt, a leading political theorist of mid-20th century totalitarianism, a **dark cloud of political and ethical ignorance has descended upon the United States.** Thoughtlessness, a primary condition of authoritarian rule, now occupies a privileged, if not celebrated, place in the political landscape and the mainstream cultural apparatuses. A new kind of infantilism now shapes daily life as adults gleefully take on the role of unthinking children, while children are pushed to be adults, stripped of their innocence and subject to a range of disciplinary pressures that saddle them with debt and cripple their ability to be imaginative. Under such circumstances, agency devolves into a mind-numbing anti-intellectualism evident in the banalities produced by Fox News infotainment and celebrity culture, and in the blinding rage produced by populist politicians who support creationism, argue against climate change and rail against immigration, the rights of women, public service workers, gay people and countless others. **There is more at work here than a lethal form of intellectual, political and emotional infantilism.** There is also a catastrophe of indifference and inattentiveness that breeds flirtations with irrationality, fuels the spectacle of violence, creates an embodied incapacity and promotes the withering of public life....

Given these conditions, an overwhelming catalogue of evidence has come into view that indicates **that nation-states organized by neoliberal priorities have implicitly declared war on their children, offering a disturbing index of societies in the midst of a deep moral and political catastrophe.** Far too many youth today live in an era of foreclosed hope, an era in which it is difficult either to imagine a life beyond the dictates of a market-driven society or to transcend the fear that any attempt to do so can only result in a more dreadful nightmare. As Jennifer Silva has pointed out, this generation of especially “young working-class men and women ... are trying to figure out what it means to be an adult in a world of disappearing jobs, soaring education costs and shrinking social support networks.... They live at home longer, spend more years in college, change jobs more frequently and start families later.”

Youth today are not only plagued by the fragility and uncertainty of the present; they are also “the first post war generation facing the prospect of downward mobility [in

which the] plight of the outcast stretches to embrace a generation as a whole.” It is little wonder that “these youngsters are called **Generation Zero: A generation with Zero opportunities, Zero future,**” and **zero expectations.** Or to use Guy Standing’s term, “the precariat,” which he defines as “a growing proportion of our total society” forced to “accept a life of unstable labour and unstable living.” Too many young people and other vulnerable groups now inhabit what might be called a geography of terminal exclusion, a space of disposability that extends its reach to a growing number of individuals and groups....

Beyond exposing the moral depravity of a society that fails to provide for its youth, **the symbolic and real violence waged against many young people reflects nothing less than a collective death wish – especially visible when youth protest their conditions.** As Alain Badiou argues, we live in an era in which there is near zero tolerance for democratic resistance and “infinite tolerance for the crimes of bankers and government embezzlers which affect the lives of millions.” How else to explain the FBI’s willingness to label as a “**terrorist threat**” **youthful activists speaking against corporate and government misdeeds,** while at the same time the Bureau refuses to press criminal charges against the banking giant HSBC for laundering billions of dollars for Mexican drug cartels and terrorist groups linked to al-Qaeda?...

Many young people are being depoliticized because they are struggling just to survive, not only materially but also existentially. The war on youth is spreading out across the United States. How else might we explain the United States’ turning of schools into training centers, **modeling many after prisons, or promoting the rise of pedagogies of repression such as teaching to the test and high-stakes testing,** all in the name of educational reform? What is the role of education in a democracy when a society burdens an entire generation with high tuition costs and student loans? I think David Graeber is right in arguing, “Student loans are destroying the imagination of youth. If there’s a way of a society committing mass suicide, what better way than to take all the youngest, most energetic, creative, joyous people in your society and saddle them with, like \$50,000 of debt so they have to be slaves? There goes your music. There goes your culture.... We’re a society that has lost any ability to incorporate the interesting, creative and eccentric people.” What he does not say is that many young people are also being depoliticized because they are struggling just to survive, not only materially but also existentially....

In what follows, I want to address the intensifying assault on young people through the related concepts of “soft war” and “hard war.” The idea of the soft war considers the changing conditions of youth within the relentless expansion of a global market society. Partnered with a massive advertising machinery, the soft war targets all children and youth, devaluing them by treating them as yet another “market” to be commodified and exploited, and conscripting them into the system through relentless attempts **to create a new generation of hyper consumers.** This low-intensity war is waged by a variety of corporate institutions through the educational force of a culture that commercializes every aspect of kids’ lives, and now uses the internet and various social networks along with the new media technologies such as smart phones to immerse young people in the world of mass consumption in ways that are more direct and expansive than anything we have seen in the past. Commercially carpet-bombed by an advertising industry that in the United States spent \$189 billion in 2012, the typical child is exposed to about 40,000 ads a year and by the time they reach the fourth grade, children have memorized 300 to 400 brands.....

The hard war is a more serious and dangerous development for young people, especially those who are marginalized by virtue of their ethnicity, race, gender, sexuality and class. The hard war refers to the harshest elements of a growing youth crime-control complex that operates through a logic of punishment, surveillance and control. The young people targeted by its punitive measures are often poor youth of color who are considered failed consumers and who can only afford to live on the margins of a commercial culture that

excludes anybody without money, resources and leisure time. They are youth considered uneducable and unemployable, and therefore troublesome, if not a threat to the existing order. Poor youth and youth of color become objects of a new mode of governance based on the crudest forms of disciplinary control.... The rise of the punishing state and the war on terror has emboldened police forces across the nation....

Young people are not dissatisfied with democracy but with its absence. Childhood stolen was not to be salvaged by self-help – that shortsighted and mendacious appeal that would define the reactionary reform efforts of the 1980s and 1990s, from Reagan’s hatred of government to Clinton’s attack on welfare reform and his “instrumental role in creating one of the world’s largest prison systems.”... Like the great critical theorist, C. Wright Mills, Brown’s lasting contribution was to reconfigure the boundaries between public issues and private suffering. For Brown, racism was about power and oppression – not ignorance, not fear – and could not be separated from broader social, economic and political considerations....

We live at a time in which it is more crucial than ever to imagine a future that does not repeat the present. **Given the urgency of the problems we face – mounting economic inequality, creeping disenfranchisement, the rise of the incarceration state, entrenched racism, the expanding surveillance state, the threat of nuclear destruction, ecological devastation and in the United States, the collapse of democratic governance** – I think it is all the more crucial to take seriously the challenge of Jacques Derrida’s provocation: “We must do and think the impossible. If only the possible happened, nothing more would happen. If I only did what I can do, I wouldn’t do anything.” My friend, the late Howard Zinn, got it right in his insistence that hope is the willingness “to hold out, even in times of pessimism, the possibility of surprise.” History is open, and the space of the possible is larger than the one on display.

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16. Silent Violence Against Women. *Rene Wadlow*

“How many victims of silence there are, and at what cost! Silence has its laws and its demands... Silence demands that its enemies disappear suddenly and without a trace. Silence prefers that no voice of complaint or protest or indignation disturb its calm. And when such a voice is heard, silence strikes with all its might to restore the status quo ante – the state of silence.” – Ryszard Kapuscinski in *‘The Soccer War’*.

25 November is the UN-proclaimed International Day for the Elimination of Violence Against Women. Violence against women is a year-round occurrence and continues to an alarming degree. Violence against women is an attack upon their bodily integrity and their dignity. We need to place an emphasis on the universality of violence against women, the multiplicity of its forms and the ways in which violence, discrimination against women, and the broader system of domination based on subordination and inequality are inter-related. The value of a special ‘Day’ is that it serves as a time of analysis of the issue and then of re-dedication to take both short-term and longer-range measures.

Pierre Spitz (1978), a former Geneva colleague, had coined the term “silent violence” for policies which not only perpetuate the existing system but in some cases reinforce it by forestalling the development of a political consciousness which might degenerate into social disorder. **In this spirit, we can speak of “silent violence” against women.** Both at the international UN level and at the national level, there have been programmes devoted to the equality of women and to the promotion of women in all fields for some time. However, only recently has there been growing attention to physical violence against women and to the trafficking of women. When the issue of violence against women has been raised by NGO representatives in the UN human rights bodies, **the government representatives replied that**

violence against women exists but is very rare in their country and that “domestic violence within the family” is a subject they cannot deal with unless action is taken by the police. Thus, there has been just enough attention given to violence against women to prevent “the development of a political consciousness which might degenerate into social disorder.”

Yet as Susan George (1988), another former Geneva colleague, has written “That all governments are concerned for, and are representative of, the majority of their people is patent nonsense. Plenty of governments are most concerned with enriching **those who keep them in power.** Human rights, including the right to food, run a poor second.” At the national level in many countries, women have largely remained invisible and inaudible by being allowed to have the key role in the “informal sector” – those sectors of the economy that are the least organized, often left out of the statistics of the formal economy as if it did not count. Women have turned to the informal sector – or have been pushed into it – as a way of sustaining a livelihood for their families. Women’s work in this sector accounts for a large proportion of total female employment in most developing countries of Africa, Latin America and Asia. The informal sector, though often **considered marginal in economic planning,** tends to account for a significant proportion of total employment. In this informal sector, women work as food producers, traders, home-based workers, domestic workers, recyclers of waste, prostitutes, and increasingly engage in drug trafficking – anything to earn an income to feed their children. The informal sector is their last hope for economic and social survival for themselves and their families.

In the informal society, women survive and often have a major responsibility for the economy of the whole family. Fathers are often absent by need or by choice. Some women do well in the informal sector and serve as a model – or a hope – as to what others can accomplish. Self-employed women are increasingly helped by micro-credit programs. These are useful but rarely do such loans allow a person to move outside the informal economy. There has been a good deal of research on women’s role in agriculture, on women’s informal-sector employment, and increasingly on women’s entrepreneurship. Researchers in different world regions have pointed to the handicaps faced by women to obtain credit and in getting access to new agricultural technologies. However, research has rarely been brought into the mainstream of global or national decision-making.

Inequality and the walls built around the informal sector are the marks of the “silent violence” against women. Amartya Sen defined the major challenge of human development as “broadening the limited lives into which the majority of human beings are willy-nilly imprisoned by the forces of circumstance.” On 25 November, this day for the elimination of violence against women, we need to look closely at the social, cultural and economic walls that imprison. [22]

Dr. René Wadlow, is president and a U.N. representative (Geneva) of the Association of World Citizens and editor of *Transnational Perspectives*

17. End the Cycle of Violence. *James Albertini*

The recent horrific violence in Paris, along with the ongoing wars in the Middle East with increasing numbers of refugees, and the growing reality of climate disaster, has brought our world’s crisis of violence to center stage. Together, let us mourn those killed in Paris and all victims of violence, but let us do more.

To break the cycle of violence, to save our world from total destruction, **we must come to a new understanding, and we better do it fast.** First, we must begin to see ourselves as we really are, not as we would like to think we are, and make changes accordingly for justice, peace, and planetary survival. **The U.S. likes to see itself as the “exceptional” nation, a bastion of freedom and democracy, the world’s benevolent “good guy.” Evil is out there in others – the terrorists.** On the other hand, much of the world sees the U.S. (and its ally France) as a **dangerous racist empire of domination out to exploit and control labor and**

resources to benefit corporate interests and a wealthy elite at the expense of the earth and everyone else. Thus the wars in Afghanistan, Iraq, Palestine, Pakistan, Libya, Yemen, Somalia, Syria, etc. with millions killed, wounded, and displaced. **ISIS obviously sees itself as the “good guys” and the problem of evil focused in France, the US, etc.** Both sides appear to agree – “by any means necessary.”

Mahatma Gandhi once said, “An eye-for-an-eye will only make the whole world blind.” My mother, and I’m sure yours too, said more than once that “two wrongs don’t make a right.” Jesus said, “Love your enemies.” Despite such words of wisdom, the hysteria of vengeance, fear, hate, and bombs are bursting all over. **The cycle of violence is escalating. Violence is begetting more violence.** Where will it end other than more bloodshed, chaos and total disaster? One thing is clear. Revenge – more guns, bombs, suicide belts, drone strikes/terrorist attacks, assassinations, increased surveillance and discrimination, invasions, regime changes, illegal wars, rolling back civil rights and creating chaos, death and destruction is not the answer. Our violence is killing us and the earth we share. **Terrorism against terrorism is terrorism** (but what you will do with a terrorist who cuts off your head? – L.S.).

We can neither bomb our way to peace abroad, nor arm, shoot our way to safety at home. Martin Luther King said, “Darkness cannot drive out darkness; only light can do that. Hate cannot drive out hate. Only love can do that.” It’s time for restraint not vengeance. **If we want to end the terror, we need to end the war on terror.** Break the cycle of violence. Who knows what’s possible in a world beyond violence and the threat of violence. “If you want peace, work for justice. And in Hawaii we say – Live Aloha.” Put an End to War! Only Justice & Love Can Fix Our Broken World!

- End these Wars Now!
- Aloha ‘Aina! Protect our Mother Earth!
- Ground the Drones! Say No to War!
- Mourn all victims of violence.
- Defend civil liberties.
- Oppose all discrimination, anti-Islamic, anti-Semitic, anti-Hawaiian, etc.
- Seek peace by peaceful means through justice in Hawai‘i and around the world. [23]

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18. Hybrid Wars of the Western Empire. *Hrant Arakelian*

(Based on the book “Empire went on the offensive” [24])

1. The Western Empire can be defined as a geopolitical entity, the core of which is the Metropolis – the United States, the closest allies – Anglosphere (UK, Canada, Australia and New Zealand). **As a vassals, of different levels of importance in the imperial hierarchy, can be considered Japan, the EU and NATO, including the continental heavyweights Germany and France.** There is also a group of puppet regimes from the former Soviet bloc countries and republics of the Soviet Union. In addition, there are many countries which are not strictly related to the military-political and other agreements with the Metropolis, but which are heavily dependent on it.
2. The “elite” of the Western Empire is trying to establish **its absolute power over the planet**, acting on the principle “*America must always lead on the world stage. If we don’t, no one else will*” (*Obama, 2014*). To achieve the goal, proclaiming the whole world as a sphere of vital interests of Empire, **the imperial propaganda constantly creates “image of the enemy”, which is “forced” to conduct endless wars with.** It is, in fact, a way of existence of imperial elite, without which its survival as a global force is virtually impossible. Nowadays, the main obstacle to the implementation of Empire’s plans and designs are **Russia and China, announced as the main enemies.**

3. There are various methods of conducting hybrid wars with disagreeable governments. Most often is used, known as **technology of “colour revolutions”** [25], the mechanism of “non-violent” regime change proposed in the second half of the 20th century by the American Gene Sharp. Since then the Sharp’s technology is widely used by Empire to overthrow and **replace unwanted governments** by its satellites. Among 198 methods coup, proposed by Sharp, there are such as the *seizure of the territory, foreign intervention, and even rebellion*, which obviously could not be considered as “non-violent”.
4. Over the past four decades more than thirty attempts to commit a colour revolutions were undertaken. About two-thirds of them resulted in a change of government and/or a civil war, in other cases the authorities have resisted. There are **several ways to neutralize Sharp’s technology**, including *opposing waves, isolation of opponent, exposing the enemy, soft power*. From the “colour scourge” the country can be protected by membership in military-political alliance, as well as by carried within the law total check of communication channels, supply and actions taken by opposition. In practice, the real oppugnancy to the colour revolution involves the use of more than one of these methods.
5. The success or failure of colour revolution depends on many factors, **but primarily on the level of foreign aid to opposition**. As the ram, designed to break through the protective wall of authorities and lead to its overthrow, the Empire is betting on “fifth column”, mainly composed of opponents of the regime and the masses of discontented citizens attracted by beautiful slogans of opposition, by a desire for a better life and actually used as “**useful idiots**”. In certain conditions the protest potential can be significantly enhanced by so-called “sixth columns”.
6. An element of a hybrid war is the hunt for unwanted leaders. Since February 2007, after the speech at Munich Conference on Security Policy, **the main object of hunt is Vladimir Putin. In his Munich speech he criticized the idea of a unipolar world**. In some circles of the Western elite Putin’s speech was perceived as the beginning of a new Cold War and as an incentive to strengthen the unity of the Atlantic, that is, strengthening imperial hierarchy.
7. On the influence and capabilities of the Empire is possible to judge, at least approximately, by the results of open voting at the plenary meeting of the UN General Assembly on the draft resolution “The territorial integrity of Ukraine.” The comparison of statistical data shows that alone BRICS (which did not support the resolution) exceeds the Empire total population, territory and natural resources, and if current trends continue will surpass. with time, in economic and military indicators.
8. **The Empire’s elite controls its own domain through military, economic, financial and information structures**, cultural, educational, charitable organizations, research institutions, units and funds for the promotion of democracy, or civil society, or human rights, etc. Among the structures of empire-wide significance are allocated US War Department with headquarters in the Pentagon, the Secret Services of the United States and Great Britain, as well as mainstream media actually controlled by elite.
9. **Collapse of the concept of European multiculturalism**, put forward in opposition to the theory of *melting pot*, clearly reveals the “clash of civilizations”, the incompatibility of different cultural paradigms and values. It was vividly manifested in the bloody drama which took place in headquarters of “Charlie Hebdo” and in the following events. Extremely serious threat to European civilization is the invasion of migrants to the EU, certainly provoked by external forces. It is reasonable to believe that the principle *divide and rule* nowadays is used by Empire in relation to the EU and Islam.
10. Among the organizations, **subordinated to the Empire, seems to be especially impressive the EU** which unifies 28 countries with a population of half a billion and a combined GDP of about \$ 18 trillion. However, in none serious international conflict the EU has not proved

itself as an independent force. It looks like a Eurasian periphery of the Empire, forced to take part in the military and other games of **Big Brother**, contrary its own interests.

11. The most important among the empire-wide structures **may be assumed the US Federal Reserve**. Fed serves as the Central Bank, it carries out monetary emission and other financial activities, including operations on the world currency markets. Formally, the Fed is under strict control of the President and the US Congress, however, many believe that, in fact, it has a high degree of autonomy, has a huge impact on the world economy and politics, and is an **effective instrument of war in the interests of Western elite**.
12. A powerful tool of geopolitical influence of Metropolis is the dollar. According to Breton Woods agreement of 1944 the gold price has been pegged to the **dollar, which has actually become the world's money**. By the end of the 40s of the last century in the US accounts for 70% of the world's gold reserve. And today, considering the foreign gold which is stored in the vaults of the US and its British allies, at least 2/3 of the world's gold reserve is under the control of the Empire. The Jamaican currency system, finally formed in 1978, abolished the gold parity of the dollar, but the dollar has retained its position as the world's reserve currency. However, the use of the national currency for the needs of international trade leads to an inherent contradiction, known as the *Triffin dilemma*.
13. There are evidences that the **Empire conducted some experiments on people**. The experiments were conducted in different countries on captives, the mentally ill, prisoners and the poor, as well as the citizens of America. But the most controversial is the **removal of many leaders, unwanted for Western elite**. A partial list of top officials who were killed, died under mysterious circumstances, ousted, or subjected to intense attack by imperial structures, has dozens of names. Thousands of people were victims of "Operation Condor" undertaken by joint efforts of seven Latin American dictatorships and led by Western intelligence agencies.
14. The imperial elite, representing the interests of an insignificant group of people, is highly interested in the loyalty of population and its unanimity, which are achieved by the monopoly on information, incessant indoctrination and by settings, laid in education. The foreign Services of Metropolis, by blocking alternative information channels, greatly succeeded in the "brainwashing" of population in different countries. Under the guise of beautiful words is restricted the freedom of the individual and is realized the idea of **total control over the population** of a large part of the planet.
15. The cornerstone postulate of Anglo-Saxon elite, **unchangeable for three centuries, assumes an uncompromising struggle against any state or military-political alliance, capable to shake its world domination**. Inspired by West the events in Ukraine, in particular the Crimea to Russia, served as a "convenient" pretext for the imposition of sanctions against Russia. But the main reason lies in the fact that Russia was step by step getting out of imperial control, restoring its sovereignty and its great power status. As a victim is also scheduled the European Union which is devoid of political will. Persistent attempts are undertaken to drive it to economic and migration crisis, to impose the *Transatlantic Trade and Investment Partnership*, thus turning EU into an economic appendage of the Empire.
16. **The Empire is not omnipotent and is slowly but steadily declining**. Nonetheless, it is still powerful and, having at its disposal a rich arsenal of 'hybrid wars' methods, is able to bring a lot of trouble to any country or government. In order to reflect looming over the country, in particular Russia, threats is necessary to use a protective mechanism of the state. It involves a variety of measures mainly of military-strategic and economic nature, including the expansion of trade-economic and military-political ties with friendly and neutral countries, the rejection of the dollar and the transition to national currencies in trade with partners.

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19. Genocide and the Thanksgiving Myth. *Brian Willson*

(Full text of the article with all the references sees here: [26]). As we again plan to celebrate what US “Americans” call Thanksgiving, let us pause for a moment of reflection. Let us recognize that **accounts of the first Thanksgiving are mythological**, and that the holiday is actually a grotesque celebration of **our arrogant ethnocentrism built on genocide**.

Native Americans in the Caribbean greeted their 1492 European invaders with warm hospitality. They were so innocent that Genoan Cristoforo Colombo wrote in his log, “They willingly traded everything they owned . . . They do not bear arms . . . They would make fine servants . . . They could easily be made Christians . . . With fifty men we could subjugate them all and make them do whatever we want”. This meeting set in motion a 500 plus-year plunder of the Western Hemisphere, which then spread to the remainder of the globe. And it has not stopped! Historian Hans K ning concludes that what sets the West apart is its persistence, its capacity to *stop at nothing*. Cultural historian Lewis Mumford declared, “**Wherever Western man went, slavery, land robbery, lawlessness, culture-wrecking, and the outright extermination of both wild beasts and tame men went with him**”.

Jump 129 years to 1621, year of the supposed “first Thanksgiving”. There is not much documentation of that event, apparently a three-day feast, but surviving Indians do not trust the myth. Natives were already dying like flies thanks to European-borne diseases. The Pequot tribe in today’s Connecticut reportedly numbered 8,000 when the Pilgrims arrived, but disease had reduced their population to 1,500 by 1637, when the first, officially proclaimed, all-Pilgrim “Thanksgiving” took place. At that feast, **the whites of New England celebrated their massacre of the Pequots in the Connecticut Valley where the Mystic River meets the sea**. The Indians were in fact celebrating their annual green corn dance ceremony. But it was to be their last. William Bradford, the former Governor of Plymouth and one of the chroniclers of the 1621 feast, was on hand for the unspeakable massacre of 1637. He described it thus in his *History of the Plymouth Plantation*: “*Those that escaped the fire were slain with the sword; some hewed to pieces, others run through with their rapiers, so that they were quickly dispatched and very few escaped. It was a fearful sight to see them thus frying in the fire...horrible was the stink and scent thereof, but the victory seemed a sweet sacrifice, and they gave praise thereof to God, who had wrought so wonderfully for them, thus to enclose their enemies in their hands, and give them so speedy a victory*”. The rest of the white folks thought so, too. “This day forth shall be a day of celebration and thanksgiving for subduing the Pequots” read Massachusetts Bay Governor John Winthrop’s proclamation. The authentic proclaimed Thanksgiving Day was born. Few Pequots survived.....

Moving 158 years further, we discover a ruthless campaign conducted in central New York in 1779 during our “noble” Revolutionary War. The Continental Congress was furious that a majority of the Iroquois Indians (those who coined the Seventh Generation philosophy) were siding with the British against the colonialists who were rapidly settling their lands. The booming capital town of the Seneca Nation was Kanadesaga at the head of Seneca Lake in the Finger Lakes region. In the summer of 1779, the Continental Congress instructed its Army’s commanding general to take care of the Indian problem. George Washington complied. He ordered General John Sullivan “**to lay waste . . . that the country . . . be . . . destroyed,**” instilling “**terror**” among the Iroquois Indians in central New York; General Sullivan affirmed that “the Indians shall see that there is malice enough in our hearts to destroy everything that contributes to their support”. **Washington declared, “Our future security will be in their inability to injure us...and in the terror with which the severity of the chastizement they receive will inspire them**”. The culminating day of “victory” was September 7, 1779. **Total destruction of Kanadesaga and the forty other Seneca towns was accomplished by 4,500 troops**, nearly one-third of the entire force of the Continental Army. The only major military

campaign of that year, it was one of the most vicious scorched-earth campaigns in history. All orchards and food crops were destroyed, all buildings were looted, then burned. **Many of the escaping Senecas were scalped and butchered. “After the battle . . . Indian warriors . . . were scalped;** Lieutenant William Barton amused himself by skinning two Indians from the hips down to make two pairs of leggings, one pair for himself, the other a present for his major”.

Jump 162 years to 1941, when I was born in Kanadesaga, renamed Geneva by our European ancestors. As a young boy I blissfully collected hundreds of Seneca arrowheads, storing them in a special protected box in my bedroom. A chapter in my seventh grade history textbook taught that, “The Iroquois were the Indian Masters of the State,” but due to their “destructive attacks on the frontier settlements, George Washington decided to send an army to crush the Indians . . . **The Six Nations never recovered from this blow**”. Europeans onward and upward! The New Republic was formed in 1789, its 1787 Constitutional Convention having been conducted in enforced secrecy, never submitted to a popular vote. The third U.S. President, Thomas Jefferson (1801–1809) **described his vision of an “empire of liberty”**, with expanded commercial enterprises and territory. And without any Constitutional authority he quickly doubled the area of the young country by acquiring vast Louisiana from France’s Napoleon for \$15 million.

In 1807 he advocated preventive war: “If the English do not give us the satisfaction we demand, *we will take* Canada, which wants to enter the Union; and when, together with Canada, we shall have the Floridas, we shall no longer have any difficulties with our neighbors; and it is the *only way of preventing them*” (emphasis added). Others openly talked of expansion into Spanish America and Canada for planter and merchant prosperity in new markets, saying that the patriotic and virtuous “wise framers” of the Constitution had “*too much wisdom to restrict Congress to defensive war.*” After moving to Humboldt County in northern California, . . . From 1849 to 1860 the population decreased by 65 percent to 35,000, **due to systematic killings; a detailed list of atrocities committed against Indians in California, including many in what is now Humboldt County,** are found in Sherburne F. Cook’s *The Conflict Between the California Indian and White Civilization* . . . **Thousands of murders of Indigenous were proudly admitted by settlers and investors/speculators** engaged in activities the equivalent of today’s paramilitary death squads operating outside “official” channels, i.e., acting parallel to or outside the jurisdiction of federal troops. ***Preventive war using terror against civilians as ordered by the government carried out by young male troops or paramilitary forces* are “all-American” values. Such policies have been witnessed time and again in U.S. history, rationalized by our sense of being “exceptional” people. We remain in denial about our arrogant, racist and genocidal origins. . . . In simple terms, we remain a white male supremacy society of plutocrats supported by massive numbers of obedient consumers and laborers.**

By revealing our social secrets (an oligarchy committed to selfish exploitation) and realizing that those secrets have pre-empted **our social myth (a democracy committed to equal justice)**, we can help catalyze a revolution of consciousness. Recognizing that obedience **to our system is killing us** and the Planet’s capacity to host us, is a grand initial step for triggering the imaginative forces necessary to enable rapid movement toward a society based on mutual aid in which sustainable communities are built and nourished at the local level. **We have yet to come to grips with the original holocaust that continues to serve as the defining and enabling experience of our “civilization”**. Embracing this “shadow” can ironically enable sudden and radical shifts as we are freed from expending the incredible unconscious energy needed **to conceal our shame**. Sharing our grief for what we have done to others, and ultimately *to ourselves*, will be experienced as tremendous relief.

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20. Origins of the American Way of War. ‘War Crimes Times’ Statement of Purpose.

The ‘War Crimes Times’ provides compelling, ongoing information on war and the war crimes that invariably accompany war, the many costs of war, **the effects of our war culture on our national character and international reputation, and the need to hold accountable those who initiate and conduct illegal wars.** Additionally and importantly, we also report on the efforts of the many people who sacrifice their time, money, and comfort to work for peace.

When national leaders initiate hostilities they create the conditions – the extreme use of force coupled with limited accountability – for the war crimes which invariably follow. War crimes are therefore an inherent part of war. The suffering caused and the enmity aroused by war crimes must be regarded as costs of war. Since these and other costs far exceed any benefits of war, **we seek to end war as a tool of international policy.**

Towards this goal, we believe **that holding war criminals accountable will send a strong message to all current and future heads of state to very carefully weigh all the consequences of the decision to go to war. While we recognize that United States has long relied on unlawful military force to further its foreign policy goals, we are particularly concerned with the blatant and egregious violations of international law committed by the United States beginning with the Administration of George W. Bush and now continued and expanded under President Obama.**

We endorse any efforts, including impeachment, which would bring war criminals of any administration to justice. The War Crimes Times has resolved to see that Bush, Cheney, Obama, and other government officials and military officers who have committed war crimes are prosecuted – no matter how long it takes. There is no statute of limitations on war crimes. [27]

21. Global Peace Science: From War & Terror to Peace from Harmony of SPHERONS. *Subhash Chandra*

Nuclear terrorism is a most dangerous cancer to society & a global threat to humanity. The past decade has witnessed a significant rise in the profile of a security threat that has been a dominating issue in any discourse involving terrorism and nuclear weapons. **The first act of nuclear terrorism is atomic bombing of Hiroshima and Nagasaki in 1945, which brought more than 200 thousand innocent victims** (please, compare them with 130 victims of terror in Paris), for which the US government refuses to apologize before the Japanese people every now. **With this the Western terrorism starts** [4; 16; 17]. It covered for 70 years 37 countries, killed more than 20 million [8] and generated the back wave of fundamentalist terrorism. Today, nuclear terrorism is maturing inside the USA new nuclear weapons testing in Nevada [13].

The escalation of terrorism, culminating in the 9/11 attacks on the World Trade Centre New York, USA and Washington, and of counter-terrorism in many parts of the world, are interdependent links in a chain of growing globalization of violence and violent globalization.

On 13 December 2001, 5 terrorists belonged to Lashkar-E-Taiba and Jaish-e-Mohammad group attacked on most secure building of India – Parliament. Though the fatalities were reduced by killing all the terrorists before they could reach main building, but even the fact that these terrorists succeeded in entering the Parliament was itself a horrific truth. When they reached the convoy of Vice President of India, got off the car started firing. This battle went on for few hours till all five militants were killed. Killed – 6 policemen and 3 staff of Parliament died in this attack.

26/11 2008 Mumbai Terror Attack, 10 Fedayeen Terrorist entered in Mumbai from sea way and started killing innocent people however and wherever they can. A series of bomb blast and gun fire took place which lasted for 4 days. Total 166 Person died and 293 were injured in this attack which includes Indian and Foreigners both. **Terrorism is the greatest 21st Century threat for the whole humanity.** “*India fully shares global concerns on nuclear terrorism and clandestine proliferation, which continue to pose serious threats to international security. Nuclear terrorism will remain a potent threat as long as there are terrorists seeking to gain access to nuclear material and technologies for malicious purposes. India is acutely conscious of this threat.*” – **Prime Minister Manmohan Singh’s** statement at the Plenary of the Nuclear Security Summit (March 27, 2012), Seoul.

On the evening of 13 November 2015, a series of coordinated terrorist attacks occurred in Paris by gunmen and suicide bombers hit a concert hall, a major stadium, restaurants and bars, almost simultaneously – leaving at least 129 people dead and hundreds wounded. **The attacks have been**

described by President Francois Hollande as an "act of war" organized by the Islamic State (IS) militant group. The attacks were the deadliest in France since World War and the deadliest in the European Union since the Madrid train bombings in 2004.

At the heart of economic, political, social, and cultural problems of humanity in modern times lies the **problem of the pursuit of culture of military science**. There is great need of transformation of mindset from culture of military science to culture of peace science. It is the time to think together, act together & working together for all the global peace leaders to achieve the goal of sustainable Peaceful Future for next generations. Global Peace Science (GPS) is alternative to Nuclear War and terrorism that is unfolded in this book and especially in this chapter. The profound transformations are required from culture of military consciousness to peace consciousness through GPS as alternative to nuclear war [28].

GPS is science of Universal humanity, which protects it from nuclear collapse, opening the path of disarmament, demilitarization and the prevention from the USA new Hiroshimas. The 70th anniversary of the Hiroshima and Nagasaki bombings has led to renewed calls for an absolute prohibition on nuclear weapons. 2014 Laureate Right Livelihood Award: **Basil Fernando from Sri Lanka** has described the bombings as "*the most definitive act, when morality was completely delinked from deciding on not only the death of hundred thousands of people at that moment but also many more in future generations*" [29].

The world is over armed and underfed. The global issues such as poverty, war, terrorism and climate change are interlinked and require a broad understanding for achieving collective security and world peace. Military science divides the humanity [30] and Peace Science promotes peace from harmony through the principle of ancient Indian Vedic tradition: "One World – one Family" ("*Vasudhaiva Kutumbakam*"). **This universality of humanity is embodied its 4 spheres and 4 SPHERONS of global social structure**, including the entire population with all its groups, without exception, which produce society (noosphere) in all its diversity (see chap. 1) and their perpetual harmony ensures global peace through GPS together with others cultural institutions [31], eliminating war and terror of history.

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22. Militarism and Terrorism: 'A Plague on Both your Houses'. *Leo Semashko*

Chapter 13 is the response to the tragic events of the terrorist attacks in October and November in Russia, France, Lebanon, Yemen and other countries. Peace Science (GPS) cannot ignore them, as these facts express the growth of global terrorism, precluding any attempt to peace and representing its absolute enemy. Peace science should generalize these facts, give them a scientific assessment and show the way to eliminate them. In this chapter, only a little fraction of articles on terrorism and its close connection with the USA/NATO (further USA) global militarism are reprinted. The authors of this chapter differ **two types of terrorism: state one practiced by the USA and a fundamentalist one** (usually under banner of one or another religious fundamentalism) practiced by part of the population and the former armed forces of countries such as Iran, Libya, Yemen and others, the state system of which was destroyed by American militarism/terrorism.

English journalist Rebecca Sumner writes about the US "war on terror" as lie: "We were told long ago that the "war on terror" would make the world a safer place. But after 14 years of permanent warfare, terrorist attacks around the world have escalated by a staggering 6,500%.", i.e. in 65 times! [32]. **This "war" has led to the growth of the victims of terrorism for more than 50 times, it turned out to be a "big lie" and has cost the US taxpayers trillions of dollars**, so it is more like to greenhouse and breeding ground for terrorism. (The US "coalition" war against ISIS/DAESH is also ridiculous and counterproductive by its results). Generally, all US foreign policy, according to scientists [7; 8; etc.] is state terrorism that is natural continuation of US militarism.

With all the differences and armed confrontation of two terrorisms **they both have one, militaristic nature of armed violence**. The USA state terrorism for 70 years after the terrorist nuclear bombing Hiroshima and Nagasaki covered 37 countries and killed more

than 20 million; it is a well-known fact [8]. **Both terrorisms are inextricably linked and mutually nourish and stimulate each other. Militarism and terrorism are one and identical in violation/trample of the right of everyone to life and ultimately in trampling the right to life of all humanity and the Earth planet.** because they are able at anytime, anywhere to commit any terroristic act with any weapon and start a war including nuclear, deadly to human, society and nature in general.

Militarism and terrorism are much more dangerous for the life of every person and humanity as a whole than danger from any epidemic and natural disaster. Militarism and terrorism are using each other as the most dangerous weapon for the population in war with each other and with humanity [15]. An obvious example is the USA militarism relentless pursuit use the IS/DAESH terrorist state as a weapon of violent overthrow of the legitimate government of Assad in Syria, repeating the fatal mistakes of Libya and Iran. As a result, this state has grown and amplified many times, becoming a global threat. Scientists are looking persistently for the concept, which can express the general nature of militarism and terrorism and their social evaluation. Unfortunately, such concept is no found.

We propose to use for this purpose, the medical term for one of the most dangerous pandemic – ‘plague’. It is well and clearly used by some authors (Henry Giroux) for the characterization and evaluation of American authoritarianism. [6] We decided to expand the scope of its social application, extending it to assess the overall social pathological essence of militarism and terrorism. **Indeed, the plague, militarism and terrorism – are equally dangerous for all people, young and old. Their result is the same – death.** They are dangerous for mankind as massive epidemics, which still remain incurable, though from a biological plague vaccines are invented, **but against the social plague they do not exist.** Normal people desperately want to get rid of this deadly social epidemic, destroy its causes and germs in society that briefly expressed Shakespeare's brilliant phrase: **"a plague on both your houses,"** a plague on militarism and terrorism as the desire of their physical elimination. Their mutual armed destruction, as we see, only contributes to widening this dangerous epidemic. 15 years of the American "war on terror" has led to unprecedented growth and prosperity not only of US militarism, but also terrorism, now pretending to own state with a huge controlled territory, population, military forces and oil resources – ISIS/DAESH. Now it is organizing terrorist attacks in more than 60 countries on almost every continent.

We understand that social plague of militarism / terrorism is incurable by medicamentous ways and immunity against it cannot be restored by vaccines and immunization. It is clear to everyone. Only social organization and scientific consciousness with the appropriate general education, generating this consciousness since early childhood can withstand to social plague. **Only they – the organization, awareness (science) and education, along with other cultural institutions of religion, art, media etc. – are able to provide peaceful social order, eliminating armed violence.** Unfortunately, such an organization, awareness (science) and education since early childhood does not exist at humanity up to now, although attempts to establish them have been made innumerable. The cause of social powerlessness and helplessness in the face of the growing danger of militarism / terrorism is the absence so far the most constructive and effective spiritual instrument against them – Social Science of Global Peace (GPS), shared by all nations as an objective truth, **which has deep roots in the structure of social reality, to be reckoned with, all without exception.**

In this book the first time in history the peace science (GPS) is presented with its central discovery of SPHERONS – the objective harmonious classes of the population as

necessary and sufficient actors of global peace, providing necessary to it the social organization and scientific public consciousness with their entire infrastructure. **Therefore GPS is classified as a social vaccine and spiritual immunity from social plague of militarism / terrorism of early 21st century.** GPS is able to eliminate over time, until the century end all the many and various bacilli of the most dangerous social epidemic, threatening the life of mankind. The book reveals in a first approximation, requiring further continuous and intensive development in the International Academy of Global Peace (Chapter 8 and other), a huge range of peacemaking instruments (laws, values, ways and institutions) from every sphere of social organism of humanity. This complex of scientific peace instruments, which is disclosed in the main parts in the book, provides social vaccine and spiritual immunity against the plague of global militarism and terrorism.

Dr. Leo Semashko. Editor in Chief, *Global Peace Science* (GPS)

23. GPS as Deadly Vaccine against the Plague of Militarism/Terrorism and Immunity from It. *Leo Semashko*

What determines the GPS healing essence as a social vaccine and immunity from militarism / terrorism? **It is determined by the positive power of the intellectual soft force of peace science (GPS) able to oppose and overcome the negative power of intellectual soft force of military science.** The latter occurred more than two centuries ago, reigns supreme over humanity and its accelerated development stimulate the rapid spread of the global militarism / terrorism plague personified in militaristic symbiosis of US / NATO. **A social source of negative power of the military science is rooted in social disharmony, economic and political domination of the separate nations and private groups** (PARTONS – see chap. 1) in the face of the ruling military-industrial-financial elite that has made war, the production of weapons, including terrorism, the most profitable and large-scale global business of the last two centuries. **Military science provides the highest profit of the war, death and murder of people,** so it is continuously flourishing with prosperity of military business, which turned in the 21st century by **global plague of militarism / terrorism, which threatens the survival of humanity as a whole.**

The human society organism can maintain itself and survive if the human mind will find in this organism the **deep natural social structure** of global peace, ensuring **prosperity to all its parts** (nations and countries) **from their harmony without war, armed violence, militarism and terrorism.** People for a long time, since Numa Pompilius, if not before, intuitively guessed about the existence of such a deep social structure of harmony **as the natural immunity of the social organism from the plague of wars and violence.** But only **the discovery of SPHERONS** (Chapter 1) harmonious classes of the population employed in four spheres of social production **and the creation on its base Global Peace Science (GPS) equips humanity with conscious vaccine and reveals the secret of its social immunity from war and militarism / terrorism.** Knowledge of SPHERONS and based on them the peace science (GPS) **constitutes the fundamental source of positive social power of the GPS soft force able to withstand and overcome the negative power of soft force of military science, i.e., to win the war in a whole.** Therefore GPS is deadly vaccine against the plague of militarism / terrorism and immunity from it.

The soft force of SPHERONS' harmonious energy is irresistible and inexhaustible as any natural energy: gravity, electromagnetic and all other natural forces. It eventually overcomes all private oppositions, including militarist disharmonious power of the US

empire in our time, and others. But, like any spontaneous energy, SPHERONS' energy only by becoming conscious and scientifically controlled maybe subservient to human. The path to mastering energy of SPHERONS opens GPS presented here for the first time as a result of the GHA decade of collective search. We, its coauthors, are well aware that it is not limited by the first step but only starts its infinite path of improvement and further development.

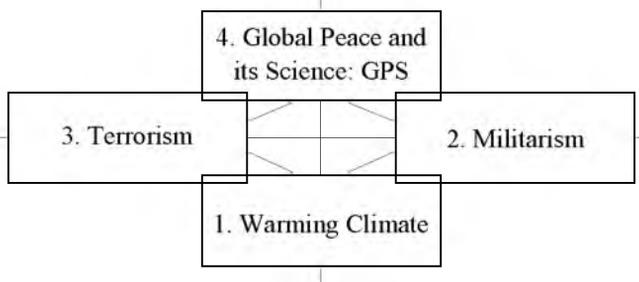
This book, in a first approximation, **revealed the GPS key definitions** as:

1. The first common good and the right of everyone to global peace as absolute right to life which cannot be without science.
2. The revolution of social sciences, and, therefore, the revolution of social thinking in an integrated complex of their particular disciplines, through which alone the GPS creation is possible.
3. Creation of peace from harmony and not of war, armaments and fear of them, how peace was built in the entire past history.
4. These attributes of GPS make it soft force, winning the war. GPS is a victory of peace over war in a historical scale, the transformation of the military history of mankind in peace history and transition from a military civilization to a new, peaceful and harmonious civilization of mankind. This transition is civilization revolution, for which will follow a new era – the era of unconditional individual and social peace, crowning a peaceful consciousness of humanity as a result of universal education of new generations in GPS.

Of course, **this is the most common philosophical and sociological explanation of the GPS essence and social value**, which is disclosed in detail in different spheres and different social sciences in the chapters of this book. Ahead will have a tremendous positive work, including overcoming the many obstacles before global peace from social harmony. This chapter, we will complete a generalized holistic model of Tetranet thinking of GPS, the methodology of which has been disclosed in detail back in *the ABC of Harmony*. [33] The proposed model includes the most acute global problems of our time and the mechanisms of their decision in principle on the basis of the GPS methodology.

For the first, we will construct a model of these problems, which will be a part in generalized model and binding to the present. The most acute global problems of our time are in front of everyone and do not require special proof. **These problems are: 1. Warming Climate, 2. Militarism, 3. Terrorism, 4. Global Peace and its Science: GPS.** For the sake of truth, we must admit that the latter problem has not yet become clearly conscious in the world public opinion but in view of its close connection with extremely acute problems of militarism and terrorism, it also becomes like as it is a single vaccine and immunity from their plague. These problems are interrelated and are expressed in the following model of Tetranet thinking.

Model-23. The Sharpest Global Problems



Key among these problems is the peace problem, from the solution of which depends decision of all the others. Only solution of peace problem opens the ways and releases the funds to solve all other problems through annual reduction of military spending by each country on 2% per year, with the distribution of these funds for the GPS development and the fight against terrorism and global warming (Chapter 8). Solving problems of militarism, terrorism and global warming is inextricably linked with the development of GPS disclosing way of building global peace, the primary task of which is to gradually overcome its major obstacles: militarism and terrorism. Together with them will be solved the global problems of poverty, education, health and others.

The GPS key global importance is determined today that military tension and confrontation in the world has reached the utmost limit walking on the brink of world nuclear war, which will destroy the climatic balance and all the natural conditions of life on Earth. If world leaders and global institutions: the UN, UNESCO, G20, G7, and others do not want and are not able to realize the paramount urgency of the peace problem and its solution through development of appropriate science (GPS), it must make a global community (global civil society), which cannot be indifferent to this fact, as well as to climate warming. Global community should raise the question of global peace and its science (GPS) in the international agenda together with the issue of global warming, which has sense only in the amicable and peaceful climate on Earth and deprived it in a "nuclear winter" climate on the planet. **Of course, the hope of understanding this necessity is associated primarily with the BRICS countries and leaders.** Unfortunately, their peaceful energy and initiative is now constrained by extreme aggressiveness of the US/NATO militaristic block (Chapter 9), which creates and develops global terrorism as the ultimate weapon against the BRICS countries, primarily against Russia and China (Chapter 13).

The only adequate solution for BRICS in the current global situation of extreme military tension with the US/NATO is in changing geopolitical priorities. Today **the BRICS forced priority** is a military balance and military containment of the US/NATO growing aggression, where the BRICS will always be catching up and defending side, – it is a **defensive or protective military priority**. **The BRICS undeniable offensive priority can be only peace priority** in the form of creation and development of the Global Peacebuilding Front (this is the BRICS "second front" today) on the base of Global Peace Science (Chapter 8), where the initiative and leadership will always belong to BRICS without rivals. Of course, the defensive military priority in an increasing aggressiveness of US/NATO **must and will inevitably to be constantly maintained**. This is an obvious strategy of self-defense against the growing aggression.

But strategy of this priority is in the war field, in which there is no place for real, naked and nonviolent peace. Only strategy of peace priority provides a nonviolent global peace. Therefore, only this strategy may be offensive, only this strategy provides the ultimate victory of peace over war hence only this strategy can be victorious. **Therefore, only this strategy can and should be a priority for BRICS as a global peacebuilding leader**, which has no competitors on the peace field. Of the two priorities of the BRICS geopolitics, **the first place should be given, as required by the interests of global survival, peace priority, i.e. priority of creation and development of the Global Peacebuilding Front based on science (GPS) and through the relevant international institutions and summits under the UN aegis. In this geopolitical context creation and development of GPS within the International Academy of Global Peace (Chapter 10.14) takes a key, central place.**

The lack of GPS deprives all states and International organizations including UN, UNESCO and other the capability of constant offensive peacebuilding geopolitics – **we do not see any**

example of such a policy in the world. But everyone can see that the military dominance of the US/NATO in the world provides the undivided domination of global military geopolitics, in varying degree including all countries, without exception, completely pressing peacemaking geopolitics. The alternative to military geopolitics can appear only with recognition and development of Global Peace Science.

Considering the disclosed geopolitical circumstances, now we will build the GPS Generalizing Holistic Model of Tetranet Thinking for Chapter 13 and the book as a whole and as their result or crown:

Model-24. Global Peace Science:

Vaccine and Immunity from Global Militarism/Terrorism;

Victory of Peace Soft Force over War. Geopolitics of peace instead of geopolitics of war.

The chain of concepts of this model includes the known for us definitions:

1. One Planet (7 spheres) & One Humanity (4 spheres of production and 4 SPHERONS, classes of people employed in them); multidimensional plural Harmony of Nature & Society & Human diversity brings survival, sustainable development & prosperity –
2. Plague of US/NATO global militarism (its 4 spheres); its antagonism/enmity with Nature & Society & Human; trampling their right to life; its intellectual source is military science since 1799; its social source is irremovable ruling elite, less 1% of the population –
3. Plague of global terrorism (its 4 spheres); its antagonism/enmity with Nature & Society & Human; trampling their right to life; its source is US/NATO global militarism, which created it as own ultimate weapon –
4. Global Peace Science from Harmony of SPHERONS as vaccine and immunity against Plague of militarism & terrorism in 21st century and as source of Nature & Society & Human sustainable development & prosperity –
5. BRICS starts creation of the World Peacebuilding Front based on GPS and establishes International Academy of Global Peace together with its interfaith affiliates in religious communities of their countries-
6. BRICS initiates the World Summit for Global Peace under the UN auspices in October 2016 in Sochi to solve the sharpest global problems (model-23) and create International Antiterrorist Coalition in the context of GPS peacebuilding –
7. Nonviolent Victory of Global Peace over plague of global militarism & terrorism by GPS in 21st century. End of endless war, arms race & military science. Start of peace history & endless 'Peace Race' (M.L.King Jr.) from harmony

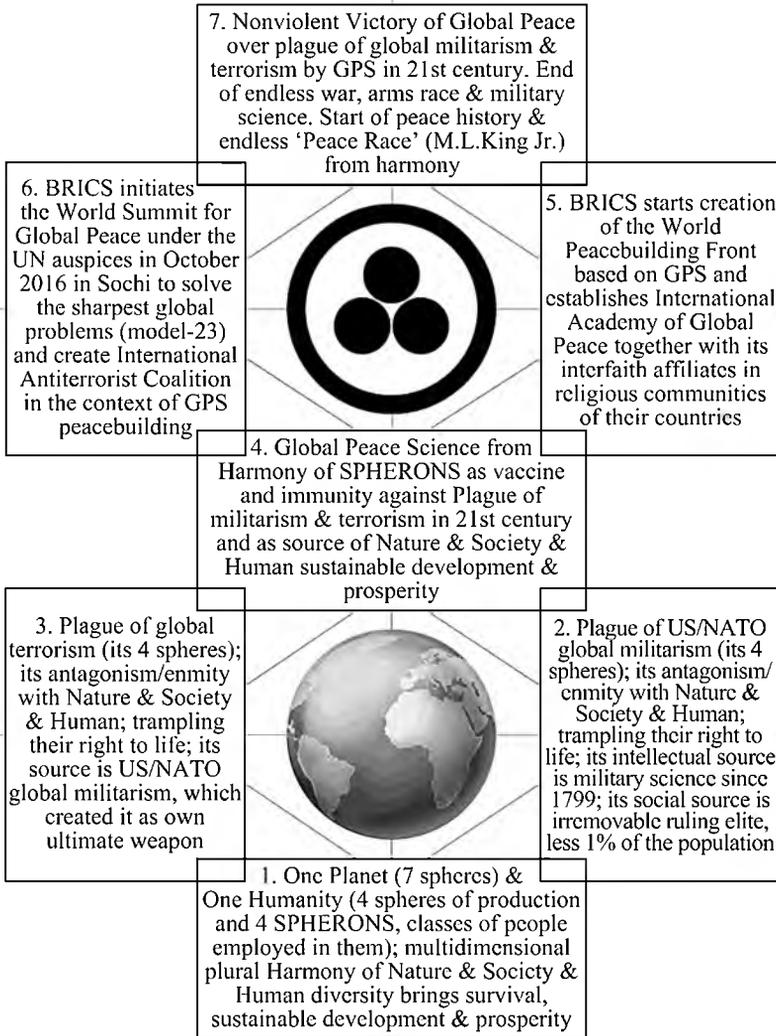
Under BRICS we understand the union of all peaceful coalitions: SCO, EACU, BRICS and the like. BRICS will start creating a World Peacebuilding Front, International Academy of Global Peace and its affiliates in the religious confessions of these countries, using the huge organizational potential of all religions and strengthening its by scientific infrastructure on the Vatican model developing scientific institutes within Catholicism for its reinforcement. In Model-24, the first four blocks are united around the planet Earth and the upper four blocks are combined by Nicholas Roerich Banner of Peace (chapter 7). Ultimately, this model assumes the following form:

The GPS Generalizing Holistic Tetranet Thinking Model-24.

Global Peace Science:

Vaccine and Immunity from Global Militarism/Terrorism;

Victory of Peace Soft Force over War. Geopolitics of Peace in the 21st century



This model completes the GPS substantive part, the importance of which is summarized in the Conclusion of this book below, where explains the origin of the resulting scientific formula of global peace in GPS: *"Global peace consciously comes (is built, created, ensured, guaranteed etc.) from harmony of SPHERONS in their spherical democracy and economy via science, education, religion, arts, journalism, through the culture in general, nonviolently overcoming militarism and terrorism of irremovable ruling elite ("golden percent") by Peacebuilding Front of SPHERONS, 100% of the population, which wants to live but not to die in the endless wars of elite. Center for Global Peace of SPHERONS and common cultural path to it uniting all other ways is Global Peace Science (GPS). It opens the Era of Peacefulness in history since 2016. GPS was completed in 2015 by 174 coauthors from 34 countries in result of the Global Harmony Association work almost eleven years. But GPS needs continuous further development. 01.01.16 "*

Dr. Leo Semashko. Editor in Chief, *Global Peace Science (GPS)*

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14. Annex

1. Chinese Dream: President Xi Jinping Project. Social Harmony through Education as Inherent Attribute of Chinese Socialism. *Rosa Dalmiglio*

Education is the foundation of national development in the long run. It is the fundamental way for mankind to pass on culture and knowledge, raise new generations and create a better life. China will continue to support this initiative led by the U.N.

With 260 million students and 15 million teachers, the task for China to develop education is an arduous one. China will resolutely implement the strategy of reinvigorating the country through science and education, and will always give priority to education. China will increase its investment in education, promote universal and life-long education, and build itself into a society in which people enjoy learning and harmony. Moreover, the country will work hard to ensure that every child has the opportunity to go school, and enable its 1.3 billion people to enjoy a better and fairer education, so that they can acquire the ability to develop themselves, contribute to society and help others. In addition, China will strengthen educational exchanges with other countries, open its educational field wider to the outside world, and actively support the development of education in developing countries, determined to work with people of all other countries towards a brighter future. Chinese President Xi Jinping spoke about it in the video message for the first anniversary of the UN global education first initiative on September 25, 2013.

Rosa Dalmiglio, journalist for peace education & human right in China Today, Rome, Italy

2. Humane Values and Wisdom Development for Global Peace. *Chand Bhardwaj*

Humanity's progression towards a sustainable future needs to include the ideals of living in peace and harmony, otherwise negative tendencies will continue to flourish. An important need presently is to acquire specific fundamental knowledge that after knowing will empower the learned to live within a compassionate, understanding and purpose driven mindset. This knowledge highlights an understanding that the self is ultimately a creative intelligence that is connected to its source known as absolute intelligence. The capable divine force, or self, carries with it an outer expression known as ATTENTION. Attention has the capabilities to see and act in all the directions and is the single sensor of all the senses in the body and the driving force.

In the beginning, Attention acquired the laws of nature from the quantum field (UNIVERSAL MIND) while entering from the core into the expanding universe. Attention as a creative intelligence while being connected to its source in real time used the laws of nature and matter available to form the first life as single celled blue-green algae by synthesizing the compounds of elements in the form of proteins. As time progressed the first single cell evolved toward increased complexity, thus evolving into what is known as the crown of creation or the human body, manufactured by a conglomerate of hundred trillion cells. This notion correlates to evolution theory. The ATTENTION as divine capable force did it all with its intrinsic capabilities. Hence, "Wherever the attention goes the capable divine energy flows". Mind and body work in tandem for their needs and use ATTENTION (the driving force) on a constant basis to manage their needs and to operate in the domain of time (mind) and material (body). The mind-body needs direct the attention in a biased manner due to the ignorance of the knowledge of the Self.

CREATIVE INTELLIGENCE (Soul, Self, Attention) is connected to its divine source and expresses divine attributes through attention; the outer expression of the creative intelligence which is like a spark. Its attributes are: love, compassion, forgiveness, understanding and mercy; **these attributes help individuals to live in peace from harmony**. The other divine attributes are like positive thinking, wisdom, patience, modesty, humility, fearlessness,

contentment, ultimate truth, bliss etc. These State of Art Planning Capabilities help individuals to face things as they come in life. This also helps to remain happy, healthy, prosperous and connected to the Absolute source of bliss. The same Attributes of God or absolute intelligence are mentioned in different religions. It carries the divine attributes of the source along with it.

MIND. Nothing but information of time embedded with laws of nature. One of the Laws of nature is “Every action has got equal and opposite reaction”. It keeps spinning into past and future aspects related to events and experiences based on its attributes like judgment, lust, anger, ego, attachments, greed, deceit etc. It further projects the imaginary future based on the past which can result in fears and worries. The Driving Force as Attention passes through the information provided by the mind and thus is conditioned by the qualities of the Mind.

BODY. Deals with material requirements like hunger, cloth, housing, and vanities of the world, reproduction and sleep. These needs of the body further condition the attention to the needs of the body.

Life is a unit of these three together. Individuals tend to give Attention to the illegitimate needs of Mind and Body which can result in unsustainable habits, negative actions and thoughts and even suffering to the individual or others. This may be because there is a lack of basic understanding about who they are, the origins of the three attributes (Attention, Mind, and Body) and how they operate.

As a solution, this philosophy suggests practical techniques of MEDITATION where ATTENTION has to be withdrawn from Mind (time) and Body (material) for a specific time every day and link it to its source within. This process helps the individual to identify with experiential knowledge the infrastructure of their own being as well as empowering them – through understanding – how to face things in life as they come **and live with inner and outer peace from harmony** due to the wisdom and state of art planning ability.

Through education, if this knowledge is given to children, they can understand and feel confident that they are the creative intelligence in the form of attention. They will understand they are connected to absolute intelligence and are a capable force: they are co-creators. They will come to understand through experience that they have a time bound material body with an acquired mind embedded with laws of nature, (especially the law where every action has got an equal and opposite reaction). We need to develop the curriculum for primary and secondary education for once a week class of 45 minutes. This curriculum aims to entertain and educate the students with thinking, but also with feeling and doing as well. As 80% of brain activity, habits, thought patterns and learning is developed in the initial 7 years of a child’s life, we aim to provide children maximum information in these formative years of development. To complement the practice of the curriculum content we plan to develop theoretical knowledge through simple stories that highlight how attention developed. Some of the stories are described here: seed, sunflower, giraffe, Myanmar tribal women, penguins, ducks, birds, gadgets etc.

The following is an estimated curriculum for primary grades.

1. 7 MINUTE MEDITATION SESSION: Starting with Initial guided Meditation Session of 7 Minutes with music and instructions so that children can attain a calm mind and are directed to obtain a still body.
2. 3 MINUTE SONG: Continuing with the session, a 3 minute song related to the story which will motivate & rejoice the children to take interest in upcoming story.
3. 15 MINUTE STORY & 3 MINUTE ANIMATION: Following with a 15 minutes story telling session with an animated movie comprising with unique understanding and sketches in the form of presentation in the background.
4. TWO 7 MINUTE MEDITATION SESSIONS: Ending with the two sessions of Independent Meditation, each of 7 Minutes long so that children can think upon what they have learned from the whole session.

Above shown time division chart is planned for primary classes. Everything would be the same for secondary and senior secondary classes except the total meditation sessions will be equate to 30 minutes.

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3. Why a Climate Deal is the Best Hope for Peace. *Jason Box, Naomi Klein*

The French government has stated that the COP21 climate summit will begin as scheduled at the end of November, but police have barred the huge planned marches and protests. Soon after the horrific terror attacks in Paris, last Friday, our phones filled with messages from friends and colleagues: “So are they going to cancel the Paris climate summit?” “The drums of war are beating. Count on climate change being drowned out.” The assumption is reasonable enough. While many politicians pay lip service to the existential urgency of the climate crisis, as soon as another more immediate crisis rears its head – war, a market shock, an epidemic – climate reliably falls off the political map....

All of this is perfectly understandable. When our safety feels threatened, it’s difficult to think of anything else. Major shocks like the Paris attacks are awfully good at changing the subject. But what if we decided to not let it happen? What if, instead of changing the subject, we deepened the discussion of climate change and expanded the range of solutions, which are fundamental for real human security? **What if, instead of being pushed aside in the name of war, climate action took center stage as the planet’s best hope for peace?** The connection between warming temperatures and the cycle of Syrian violence is, by now, uncontroversial. As Secretary of State John Kerry said in Virginia, this month, “It’s not a coincidence that, immediately prior to the civil war in Syria, the country experienced its worst drought on record. As many as 1.5 million people migrated from Syria’s farms to its cities, intensifying the political unrest that was just beginning to roil and boil in the region.” As Kerry went on to note, many factors contributed to Syria’s instability. The severe drought was one, but so were the repressive practices of a brutal dictator and the rise of a particular strain of religious extremism. ...

If we acknowledge that the instability emanating from the Middle East has these roots, it makes little sense to allow the Paris attacks to minimize our already inadequate climate commitments. Rather, this tragedy should inspire the opposite reaction: an urgent push to lower emissions as rapidly and deeply as possible, including strong support for developing countries to leapfrog to renewable energy, creating much-needed jobs and economic opportunities in the process. That kind of bold climate transition is our only hope of preventing a future in which, as a recent paper in the journal *Nature Climate Change* put it, large areas of the Middle East will, by the end of the century, “experience temperature levels that are intolerable to humans.” But even this is not enough. The deepest emission reductions can only prevent climate change from getting far worse. They can’t stop the warming that has already arrived, nor the warming that is locked in as a result of the fossil fuels we have already burned. So there is a critical piece missing from our climate conversation: the need to quickly lower atmospheric CO₂ levels from the current four hundred parts per million to the upper limit of what is not considered dangerous: three hundred and fifty parts per million. The implications of a failure to bring carbon down to safer levels go well beyond amplifying catastrophes like Syria’s historic drought. The last time atmospheric CO₂ was this high, global sea levels were at least six metres higher....

A climate summit taking place against the backdrop of climate-fuelled violence and migration can only be **relevant if its central goal is the creation of conditions for lasting peace**. That would mean making legally enforceable commitments to leave the vast

majority of known fossil-fuel reserves in the ground. It would also mean delivering real financing to developing countries to cope with the impacts of climate change, and recognizing the full rights of climate migrants to move to safer ground. A strong climate-peace agreement would also include a program to plant vast numbers of native-species trees in the Middle East and the Mediterranean, to draw down atmospheric CO₂, reduce desertification, and promote cooler and moister climates. Tree planting alone is not enough to lower CO₂ to safe levels, but it could help people stay on their land and protect sustainable livelihoods.

We knew that the Paris summit wasn't going to achieve all of this. But just days ago, bold collective action on climate seemed within reach: the climate movement was accelerating, winning tangible victories against pipelines and Arctic drilling; governments were strengthening their targets, and some were even starting to stand up to fossil-fuel companies....

We cannot afford to allow this story to be repeated, this time with terror changing the subject. To the contrary, as the author and energy expert Michael T. Klare argued weeks before **the attacks, Paris “should be considered not just a climate summit but a peace conference – perhaps the most significant peace convocation in history.”** But it can only do that if the agreement builds a carbon-safe economy fast enough to tangibly improve lives in the here and now. We are finally starting to recognize that climate change leads to wars and economic ruin. It's time to recognize that intelligent climate policy is fundamental to lasting peace and economic justice. SEE: Box, Jason and Klein, Naomi (Nov.18, 2015) *Why a Climate Deal Is the Best Hope for Peace*: <http://www.newyorker.com/news/news-desk/why-a-climate-deal-is-the-best-hope-for-peace>

Jason Box is an ice-sheet climatologist and geographer, Canada.

Naomi Klein is the author of “This Changes Everything: Capitalism vs. the Climate”, Canada.

4. World Interfaith Harmony Week (WIHW): Global Peace Tool

Subhash Chandra

Message: Global Peace through Interfaith Harmony and Science. GHA is dedicated to the WIHW concept of ‘Love of the Good, and Love of the Neighbor’ through Global Peace Science (GPS) from Harmony and World Philosophy of Harmony. We believe the UN resolution of King Abdullah II and encourage all the leaders in the world **to promote culture of peace from harmony & religious harmony through scientific understanding harmony** and cooperation. Interfaith harmony is Key to GPS as Alternative to Nuclear War. http://peacefromharmony.org/?cat=en_c&key=624.

Interfaith Harmony through GPS as soft intellectual force is the humanity spiritual potential and culture to overcome war, militarism, terrorism, enmity and violence. GPS is a scientific Nonviolence movement of world harmony for Peaceful Co-existence between all the Religions & all the nations. The GPS formula: One Humanity + One Harmony + One Peace + One in Harmonious Diversity Religion = World as one Family (Vasudhaiva Kutumbkam), as Victory of Peace over War and as saving the Earth planet & Humanity: http://peacefromharmony.org/?cat=en_c&key=585. This World Family through Interfaith Harmony and GPS create Oneness of Global Peace [2].

GHA has long (since 2012) supports and promotes WIHW as a powerful tool to achieve Global Peace: http://peacefromharmony.org/?cat=en_c&key=541. We encourage all the social organizations & educational institutions to promote WIHW for peace and harmony in every community in the world. GHA invite all our members, partners, social & religious leaders, civil society organizations, faith communities, universities, youth, and other sectors to participate in WIHW initiative and stopping a Nuclear War threat to humanity. **We intend to further promote and develop it**, to expand its sphere of influence and to bring to it the new collective

and individual members. It is the only way it would live and develop further, for what we have formulated nine key proposals: http://peacefromharmony.org/?cat=en_c&key=541#9

Dr. Subhash Chandra, Secretary General, Global Harmony Association (GHA), India

5. Abolishing War: Criminalizing War, Removing War Causes, Removing War as Institution. *Johan Galtung with Erika Degortes, Irene Galtung, Malvin Gattinger, Naakow Grant-Hayford*

Preface. This study is a research report from the Tun Mahathir Chair for Global Peace Studies at the International Islamic University Malaysia. As the first holder of the chair one year from 1 March 2014 I am honored and challenged to dedicate teaching and research to the lofty goal of global peace studies; abolition of warfare being a major part. The research team includes Irene Galtung on mandatory jus cogens law of war as crime against the right to life, like torture-genocide (Part II); Erika Degortes on the history of intellectuals-politicians fighting institutionalized social evils (Summary and Conclusion); Naakow Grant-Hayford (text) and Malvin Gattinger (data) on the geography, geo-politics of Power Resources in the Octagon World; and participants in the Transcend Peace University course Summer term 2014 "Criminalizing War" on problems of the mainstream criminology of war (Part I, [5]).

Not being a lawyer I have consulted with specialists in public international law, including judges, in Norway, Netherlands and Spain, for dialogues on these issues. Their experiences, particularly with concrete cases, and their views, have played a major role; deep gratitude to them all. Very useful was also the October 18–19 2014 Hague Round Table by Canadian Voice of Women for Peace, bringing together NGOs and legal-academic experts on key institutions like the International Court of Justice and the International Criminal Court. A special vote of thanks to Paul Rynning, head of Dialogue Lawyers in Norway, for his role organizing this international project, to Mitra Forouhar for providing overviews and major documents. The responsibility, however, for the analysis, prognoses and recommendations rests with me alone. Kuala Lumpur, January 2015. **Johan Galtung**

Prologue: Abolishing War: An overview of the three approaches. Few, if anybody, today argues criminalization of war so forcefully as Mahathir Mohammed, Malaysia's fourth prime minister, for 22 years. **He compares what we do when one person kills another to what we do not do when millions kill millions in aggressive wars.** For the first case we have clear laws, apprehend the suspect, weigh evidence for or against in court; if found guilty, the murderer is punished. There may even be compensation for the bereaved. But in wars among states the murderers get medals and honors², if victors relishing a "post glory exuberance disorder" that may fuel new aggression. And the bereaved are left with their grief and a "post-trauma stress disorder", fueling the idea of revenge. Madness, irrationality, a social evil to be abolished. Mahathir says: "*Peace for us simply means the absence of war. We must never be deflected from this simple objective*". An important reminder: broaden the concepts, but remember the essence.

One approach is criminalization. To define crimes clear laws are needed, trying to eliminate loop-holes. The UN Charter (Articles 1.1, 2.4) is an effort, prohibiting war and the threat of war among (member) states. The two explicit exceptions are the use of force mandated by the UN Security Council, and for individual or collective self-defense (Articles 42, 51); giving rise to libraries of comments. But, when people feel that their legitimate interests, even human rights are trampled upon, they may resort to violence. An example in today's world is the case of non-dominant nations in a state. **Most UN member states, except about 20, are multi-national. But only 4 have managed equality among their nations relatively well, by federalizing:** Switzerland and Belgium (without the German part) in Europe, India (not in Assam) and Malaysia (territorially, not socially) in Asia. With an average of

10 nations per state, one dominant, there are potentially 1500 wars for intra-state national equality, or secession. We have had and have some of them recently; no doubt more are coming.

The obvious solution is to learn from those four: a federation inside the state with equal levels of autonomy for all nations, and a community-confederation with neighbors when the nations cross borders. But diplomats often work for dominant nations-who pays the piper calls the tune- and the UN is a trade union of governments, i.e., dominant nations. Result: wars against rebel armies; political status quo, the road to less warfare passes through conflict solution, trauma conciliation, and cooperation. In our present octagonal world: India, China, Russia, OIC, USA, EU, Latin America, Africa: there are 28 bilateral relations with potentials for conflict and for cooperation. We have to identify the traumas of the past, conflicts of the present, and constructive ideas for future cooperation.

Professor Liu Cheng of Nanjing University points out in a coming book on peace studies that in a world with so many shared values and so much interaction wars simply do not belong. Wars become even more absurd – a disconnect between values and facts, cultures and structures – against a background of all that can be done for peace. Here the past comes to our assistance. We have not managed to abolish war – in fact, major wars happen and more major wars threaten. **But we have had some success with two other major social evils, slavery and colonialism. Neo-slavery and neo-colonialism exist, but they are at least criminalized, not institutionalized.** And humanity is working hard on such social evils as patriarchy and eco-crisis. There are things to be learned from all four for good hypotheses to be applied to abolition of war, also through criminalization. Mahathir actually also sees war as a lack of civilization; and it certainly is, for any reasonable interpretation of being civilized.

How about terrorism? **It is already criminalized; what is not criminalized is state terrorism, killing many more; maybe 99:1.** And, there is an International Criminal Court, **but the USA is exempted.** And that brings us back from a focus on the geography of the present and the history of the past, from alternatives to war and to what we can learn from struggles against other social evils, to the criminalization itself. We are talking about a broad legal approach.

In that approach *jus cogens* – compelling law – **plays a key role in the protection of the right to life against crimes like torture and genocide. But many, many more die from starvation, yet that is not recognized as jus cogens, possibly because it may be due more to acts of omission than to acts of commission. But aggressive wars, mandated by the UN Security Council or not, attempted justified as self-defense or not, are at least clear acts of commission.** There are problems of definition and of drawing borders; but there is today also a process making the space for "legitimate, necessary war" ever smaller. The question is how to speed up that process.

One approach might be through universal jurisdiction, **making all crimes against the right to life punishable everywhere. Aggressive wars presuppose decisions at the top of states that make them acts of commission,** potentially punishable in any country. The Pinochet case comes to mind and the path-breaking role of the Spanish judge Bal-tasar Garzon. There are ambiguities, but also possibilities, all over. These are the approaches to be explored on the road to Mahathir's vision of a civilized world: juridical, geographical and historical. [3;4;5]

Dr. Johan Galtung, Germany; **Erika Degortes**, Italy; **Dr. Irene Galtung**, Germany; **Malvin Gattinger**, Netherlands; **Naakow Grant-Hayford**, Germany.

The Global Peace Science Editor in Chief Note. In May 2015 we were pleased to publish the excerpts of three new outstanding books (2015) of the great peacemaker, theorist and practitioner, Johan Galtung, at his request: "*Abolishing War*", "*The Art of Peace*" and "*Clash of Civilizations*": <http://peacefromharmony.org/?cat=en c&key=622>. These books, like the others, represent a significant contribution to global peace science (GPS), in many of its sections. In this Annex we publish the excerpts only one of them: "Abolishing War". Between our peace approaches and theories are differences but they do not exclude but complement each other (Chapter 4). These differences are a source of further development for GPS.

6. Russia's Response to the US/NATO Aggressive Expansion:

Report of Sergei Shoigu Defense Minister, 11 Dec. 2015. *Leo Semashko*

The US/NATO militaristic block surrounded Russia by the dense military ring on all its borders that implements the US Congress Resolution 758 (Dec. 2014) on preparations for the war with Russia [1; 2]. The aggressive large-scale preparations against Russia, of course, have not passed its attention and found the adequate defensive measures across the spectrum of military threats. Our assessments of these threats and their dynamics are reflected in the previous chapters. Therefore, we restrict ourselves here only a small excerpt from the report of the Russian Defense Minister Sergei Shoigu, who summed up the military situation around Russian and its response to the aggressive preparations [3].

Sergei Shoigu: (underlines here, as elsewhere, are our – L.S.)

"The tendency of aggravation of the military-political situation in the world, especially in Europe, Central Asia and the Middle East continues. There is a consistent expansion of NATO. **In a relatively short time, it has expanded almost twice, adding to the twelve new members.** Today is actively preparing to join the bloc Montenegro, Macedonia, Bosnia and Herzegovina, Georgia, and Ukraine. In the sphere of Alliance interest are involved Finland, Sweden, Serbia and Moldova. This year alone, the Baltic States, Poland and Romania **increased NATO troops on the aircraft eight times, and the number of military personnel – 13 times.** On their territory in addition 300 tanks and infantry fighting vehicles was deployed and also missile defense systems "Aegis Eshor" in Romania and Poland.

In Belgium, Italy, Netherlands, Germany and Turkey has **about 200 US nuclear bombs** provided for to update. In various degrees of readiness contains 310 aircraft carrier. In order to achieve information superiority of NATO over Russia in Tallinn was deployed cyber security center and in Riga – the center of excellence in policy advocacy.

The zone of influence of the "Islamic state" is expanding. **The terrorists captured about 70 percent of Syria and most areas of Iraq. The number of terrorists is more than 60 thousand people.** There is a threat to transfer their operations to Central Asia and the Caucasus.

In the **spring of Japan's parliament has changed the status of the self-defense forces and give them the right to act outside of the state.**

Under these circumstances, Russian Armed Forces should have the capacity to defend the sovereignty of the country

Thus, the conditions will be created in which the **Armed Forces of peacetime guarantee to ensure the protection of the sovereignty of Russia".**

Dr. Leo Semashko, GHA President, Editor in Chief of "*Global Peace Science*" (GPS)

7. The USA State Peace Institution as War Promoting Institution. When Peace Activists Met With the U.S. Institute of Peace. *David Swanson*

I was part of a debate on Tuesday that involved a larger disagreement than any exhibited at the Democratic presidential candidates debate that evening. A group of peace activists met with the president, a board member, some vice presidents, and a senior fellow of **the so-called U.S. Institute of Peace, a U.S. government institution that spends tens of millions of public dollars every year on things tangentially related to peace (including promoting wars)** but has yet to oppose a single U.S. war in its 30-year history. Without CNN's Anderson Cooper there to steer us away from the issues into name calling and triviality, we dove right into the substance. **The gap between the culture of peace activists and that of the U.S. Institute of "Peace" (USIP) is immense.**

We had created and took the occasion to deliver a petition which you should sign if you haven't, urging USIP to remove from its board prominent war mongers and members of the boards of weapons companies. The petition also recommends numerous ideas for useful

projects USIP could work on. I blogged about this earlier here and here. We showed up Tuesday at USIP's fancy new building next to the Lincoln Memorial. Carved in the marble are **the names of USIP's sponsors, from Lockheed Martin on down through many of the major weapons and oil corporations.** At the meeting from the peace movement were Medea Benjamin, Kevin Zeese, Michaela Anang, Alli McCracken, and me. Representing USIP were President Nancy Lindborg, Acting Vice President Middle East and Africa Center Manal Omar, Director of Peace Funders Collaborative Steve Riskin, Board Member Joseph Eldridge, and Senior Policy Fellow Maria Stephan. They took 90 minutes or so to talk with us but seemed to have no interest in meeting any of our requests.

They claimed the Board was no impediment to anything they wanted to do, so there was no point in changing board members. They claimed to have already done some of the projects we proposed (and we look forward to seeing those details), yet they were uninterested in pursuing any of them. When **we proposed that they advocate against U.S. militarism in any number of possible ways, they replied with a couple of main justifications for not doing so.** First, they claimed that if they did anything that displeased Congress, their funding would dry up. That's likely true. Second, they claimed they could not advocate for or against anything at all. But that isn't true. They've advocated for a no-fly zone in Syria, regime change in Syria, arming and training killers in Iraq and Syria, and (more peacefully) for upholding the nuclear agreement with Iran. They testify before Congress and in the media all the time, advocating for things left and right. I don't care if they call such activities something other than advocacy, I'd just like to see them do more of what they've done on Iran and less of what they've done on Syria. And by law they are perfectly free **to advocate even on legislation as long as a member of Congress asks them to.**

When I had first communicated about our petition with USIP they had expressed interest in possibly working on one or more of the projects we proposed, possibly including reports we suggest in the petition that they write. When I asked about those report ideas on Tuesday, the reply was that they just didn't have the staff. **They have hundreds of staff, they said, but they're all busy. They've made thousands of grants,** they said, but couldn't make one for anything like that. What may help explain the array of excuses we were offered is another factor I haven't yet touched on. **USIP seems to actually believe in war.** The president of USIP Nancy Lindborg had an odd response when I suggested that inviting Senator Tom Cotton to come speak at USIP on the need for a longer war on Afghanistan was a problem. She said USIP had to please Congress. OK, fine. Then she added that she believed there was room to disagree about exactly how we were going to make peace in Afghanistan, that there was **more than one possible path to peace.** Of course I didn't think "we" were going to make peace in Afghanistan, I wanted "us" to get out of there and allow Afghans to start working on that problem. But I asked Lindborg if one of **her possible paths to peace was through war. She asked me to define war. I said that war was the use of the U.S. military to kill people. She said that "non-combat troops" could be the answer.** (I note that for all their non-combatting, people still just burned to death in a hospital.)

Syria brought out a similar perspective. While Lindborg claimed **that USIP's promotion of war on Syria** had all been the unofficial work of one staffer, **she described the war in Syria in a completely one-sided manner and asked what could be done about a brutal dictator like Assad killing people with "barrel bombs,"** lamenting the lack of "action." She believed the hospital bombing in Afghanistan would make President Obama even more reluctant to use force. (If this is reluctance, I'd hate to see eagerness!) **So what does USIP do if it doesn't do war opposition?** If it won't oppose military spending? If it won't encourage transition to peaceful industries? If there's nothing it will risk its funding for, what is the good work it is protecting? Lindborg said that USIP spent its first decade creating the field of peace

studies by developing the curriculum for it. I'm pretty sure that's a bit anachronistic and exaggerated, but **it would help explain the lack of war opposition in peace studies programs....** Still, there is plenty of good work funded. It's just work that doesn't too directly oppose U.S. militarism. And because **the U.S. is the top arms supplier to the world and the top investor in and user of war in the world, and because it's impossible to build peace under U.S. bombs,** this work is severely limited... by a **corrupt and militaristic Congress and White House.** USIP openly said in our meeting that the root problem is corrupt elections... [9].

David Swanson, Cofounder and Director, World Beyond War, USA.

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The Global Peace Science Editor in Chief Note. This article is a good illustration of how '*corrupt and militaristic Congress and the White House*' distort peace, afraid of peace and are buying its institutions to promote hypocritically the war under the banner of peace. This militaristic perversion is the whole "American exceptionalism." The US as a global aggressor cannot be a peacemaker – it was proved all its little history of a few more than two centuries.

8. International Peace Delegation to Syria 24–30 Nov. 2015. *Mairead Maguire*

Our delegation has just spent five days with the people of Syria visiting the cities of Damascus, Homs, Tartus, Qara and Ma'alula. We have been deeply moved by the kindness and warmth of the Syrian people whom we have had the privilege and joy of meeting. Although they have suffered unimaginable violence, they have inspired us by **their vision of a peaceful Syria** and deep commitments to solutions in their country. These are the findings of our delegation, consisting of eleven peace and human rights advocates from six countries. Over the course of five days, we met with internally displaced persons, refugees, affected communities, religious leaders, combatants, government representatives and many others in Syria. We call on the international community to protect the territorial integrity of Syria and to respect the fundamental rights of Syria as a sovereign State. We deplore any intent to breach the integrity of Syria's frontiers or to damage the unity and rich diversity of the Syrian people. We recognize the legitimacy of the aspirations of the Syrian citizens for change, reforms and an end to all violence and we support those working for the implementation of a democratic life that respects and protects the fundamental rights of all citizens and we believe that **effective and lasting reforms can only be achieved through non-violent means.**

Our primary appeal is that all countries stop their interference in Syrian affairs, more specifically, that they halt the supply of arms and foreign combatants. If foreign countries agree to stop the influx of arms and fighters, we are confident that Syrians can find their own solutions to their problems and achieve reconciliation. We consider it beyond debate that the **Syrian people have the right to determine their own government and their own future.** Foreign interference is currently preventing the Syrian people from exercising their right to self-determination. We are concerned that such pernicious intervention is tearing apart the fabric of the country itself, with long-term consequences that can only be imagined.

The cautionary examples of Iraq, Lybia, Yemen and other countries serve to remind us of the dire consequences of such international folly. This humanitarian crisis is already spilling into neighboring countries. A collapse of Syrian society will destabilize the entire region. We appeal to the international community that it can learn from history and make better choices in the case of Syria that will spare further tragedy for the courageous Syrian people. Secondly we **appeal to the international media to stop the flow of misinformation regarding the Syrian conflict.** We believe that every Syrian should be given the right to be heard and we do not see this reflected in the international coverage of this crisis. Thirdly, **we urge the international community to review and reconsider the crippling sanctions** that are taking such a heavy toll on Syrian people. Fourthly, we urge the international community to take seriously **the vast numbers of refugees and persons** who have been internally displaced by this conflict.

We appeal to the entire religious community **to call the faithful to nonviolence and peacemaking**, and to **reject all forms of violence and discrimination**, and we express our admiration and respect for the many Syrian religious leaders who have refused to endorse the use of violence and have dedicated their lives to working for a peaceful solution to this conflict. We pay tribute to the Patriarch Gregorios III Laham and Grand Mufti Ahmad Badreddin Hassoun for their **inspirational work for peace and reconciliation for Syria** and the Patriarch Gregorios III Laham for his kind invitation to our delegation. Our delegation would like to express to Mother Agnes Mariam and Sheik Sharif Martini our deep gratitude and appreciation for all their commitment to peace and reconciliation in beloved Syria. As we leave Syria we are filled with hope that the Syrian people will have peace and so be a light of hope to the world. Damascus, 30/11/2015. In the name of the International Delegation to Syria [10].

Mairead Maguire, 1976 Nobel Peace Laureate, her book *The Vision of Peace* is available from www.wipfandstock.com. She lives in Belfast, Northern Ireland. **Web:** www.peacepeople.com

9. Promoting Peace between India and Pakistan through Hindi Films. *Ravi Bhatia*

India and Pakistan have had frosty relations right from the time that Pakistan was created by division of the former undivided India in 1947. These relations have often become violent with several wars fought by Pakistan with India in 1965, 1971 and later mainly over the issue of Jammu and Kashmir (J&K). In addition there have been several incursions into Indian territory by terrorists and militants. Of course Pakistan accuses India for similar incursions and cross border violations against itself. The Indian Parliament was also made a target of militants from across the border on 13 Dec. 2001. Another vicious attack by LeT militants occurred in Mumbai in November 2008 killing about 160 people. Ajmal Kasab, the only attacker who was captured alive, was later hanged for his role in this attack. As a result of these incidents a state of suspicion and resentment hang over the political relations of the two countries.

There is absence of harmony and peace despite several meetings between the leaders including the Prime Ministers. This despite the fact that there are many common elements between the peoples of the two nation's language, religion, culture, cuisine, sports and not least, the attraction in Pakistan for Indian films popularly called Bollywood films. One of the latest films called *Bajrangi Bhaijaan* (BB) which is currently showing has broken all box office records in India and is a huge success in Pakistan. The story of BB is about a 7 year old dumb Pakistani girl who accidentally strays into India and is helped by the hero of the film Salman Khan who plays the role of a God-loving simpleton and a devotee of the Hindu God Hanuman. The hero decides to help this young child to return to her parents in Pakistan. But first he must find out where the parents live; the fact that the girl is dumb makes it more of a challenge for the hero named *Bajrangi* after whom the film gets its title.

How *Bajrangi* (without a visa) crosses over the border with the child, how he is chased by the Pakistani police on suspicion that he is an Indian agent, and the many escapades and hilarious scenes that follow makes the film not only enjoyable and humane, but also reflects the peaceful relations that still exist between the two peoples despite the political suspicion and lack of peace. Although it is almost an impossible task, *Bajrangi* eventually succeeds in his mission to restore the child to her parents. The film is enjoyable and reflects the friendship, peace and humanity that still exist between the two peoples overriding the political and religious differences. **Many people are now admitting that the film has done more to bring peace from harmony than the regular political and trade meetings.** One wishes that the politicians and militants of both countries take a lesson from this film.

Dr. Ravi Bhatia, Retired Professor, Delhi University, Convenor, Religion and Peace Commission, International Peace Research Association, India

10. Global Peace Science for G20 and Humanity: Growth through Peace and for Peace but not for War. GHA Open Letter, 2013. *Leo Semashko and the GHA 56 coauthors*

The GHA Letter unites the 57 GHA members – coauthors: Leo Semashko, Charles Mercieca, Glen Martin, Bruce Cook, Ernesto Kahan, Bishnu Pathak, Madhu Krishan, Ayo Ayoola-Amale, Subhash Chandra, Marina Kozlovskaya, Julia Budnikova, Surendra Pathak, Mariam Khan, Nina Yudina, Heli Habyarimana, Matjaz Mulej, Alexander Semashko, Laj Utreja, Maria Cristina Azcona, N.S.Ravishankar, Vera Popovich, Lida Sherafatmand, Andrew Semashko, Svetlana Kuskovskaya, Svetlana Vetrova, Justo Bolekia, Tholana Chakravarthy, Peter Semashko, Leonid Timoshenko, Igor Shadhan, Dmitriy Delukin, Alexander Subetto, Uraz Baimuratov, Alla Voronova, Maitreyee Roy, Erica Lazarova, Ivan Ivanov, Alla Ivashintsova, Dmitriy Ivashintsov, Zauze Hizatolla, Guy Crequie, Artem Budnikov, Takis Ioannides, Marie Robert, Vladimir Branskiy, Celia Altschuler, Susana Roberts, Manijeh Navidnia, Kae Morii, Hedva Bachrach, Manish Bhatnagar, Kurt Johnson, Nataly Cherkasova, Sarah Mbodj, Apostolos Paschos, Athanassios Koumouris, Subhash Sharma, A. K. Merchant, from 20 countries: Argentina, Bulgaria, France, Ghana, Greece, India, Israel, Iran, Japan, Kazakhstan, Nepal, Pakistan, Puerto Rico, Russia, Rwanda, Senegal, Slovenia, Spain, Ukraine, USA, **Approved by the GHA on August 3, 2013** [11].

Publication: In English: http://peacefromharmony.org/?cat=en_c&key=582

In Russian: http://peacefromharmony.org/?cat=ru_c&key=605

In French: http://peacefromharmony.org/?cat=fr_c&key=135

In Spanish: http://peacefromharmony.org/?cat=es_c&key=107

For peace-loving citizens: Sign the GHA Open Letter about Global Peace Science for G20 and all Governments **in English can here:** <https://www.change.org/p/to-leaders-of-the-group-of-twenty-g20-to-create-the-global-peace-science-gps> **In Russian can here:**

<https://www.change.org/p/лидерам-группы-двадцати-g20-создать-под-эгидой-g20-науку-глобального-мира-нгм-2>

A peace based exclusively upon the political and economic arrangements of governments would not be a peace which could secure the unanimous, lasting and sincere support of the peoples of the world, and that the peace must therefore be founded, if it is not to fail, upon the intellectual and moral solidarity of mankind. UNESCO Constitution.

Global peace science is a key of intellectual peace solidarity of humanity and general hope of all nations to real peace and prosperity on the Earth in the 21st century. GHA

Harmony will save peace. GHA

TO: G20 Leaders, on the Summit, September 5–6, 2013, St. Petersburg, Russia

SUBJECT: Global Peace Science for G20 and humanity.

PROCESS AND RESULT: The GHA proposes to create, under the G20 aegis, Global Peace Science (GPS), one of its variants was created by the GHA during 8 years see below. For this purpose, establish the G20 appropriate work Committee: “Global Peace Science (GPS)” under the leadership of Sherpa and hold a 2014 **International Scientific Contest among the more than 400 Peace Research Centers in the world to find the best option for GPS**, with a result to be discussed and approved at the next G20 Summit in 2014/15.

“The G20 agenda is organized around three overarching priorities, aimed at starting a new cycle of economic growth: – Growth through quality jobs and investment; – Growth through trust and transparency; – Growth through effective regulation” (http://en.g20russia.ru/docs/g20_russia/priorities.html). These are subjected to the criteria of **“sustainable, inclusive and balanced growth”** as harmonious evolution, spontaneously forming global peace, requiring adequate science (GPS). This science will allow G20 to determine **the fourth most important for the survival of mankind priority of growth: growth through peace and for peace but not for war**. This priority in the G20 agenda will be a new and constant topic of discussion since 2014, when as a result of the Contest the most

appropriate version of GPS will be selected. This priority will provide the highest holism and synergy of active harmonization for all areas of economic growth. GPS will give the G20 working process an additional, intellectual and moral impetus, optimizing and harmonizing this process, greatly expand its formats, and most importantly, subordinating it to the peaceful humanistic dimension and meaning of G20. Meeting the challenges of economic growth within the GPS provides simultaneous steps towards global peace and relevant decision of the most important problem of mankind. **This will increase G20's efficiency and public benefit for the global community to higher level. Global peace is inexhaustible, but so far an unknown resource for sustainable economic growth, which requires a corresponding science.** The creation of this science is a modern challenge for the G20 – **creating a common language of peace for the nations and governments** in a global society for the 21st century.

Dear G20 Leaders, The GHA appreciates your work on stabilization and development of the global economy and global finance, recognizing that your efforts have the potential to spontaneously foster global peace. We recognize the G20 as the world's first institution, together with the G8, attempting direct global regulation of world economy and finance. **Naturally, it's axiomatic that global peace is a prerequisite for sustainable development on a world scale.** Any global armed conflict threatens humanity in, as we know, "nuclear winter", i.e. destruction. This is not a phantom danger – it has been proved by scientists around the world. **It hangs like a sword of Damocles over humanity, including the economy with all its finances.** In fact, war is more ruinous than any economic and financial crisis. **Preparing for a war,** as expressed in the ever-growing global arms race and the constant growth of global military spending – **is one of the main causes of today's economic and financial destabilization and the related global crises.**

These facts take first place among world challenges affecting potential for global peace. Analysis of the situation – its sources, causes, foundations and actors – through global peace science (GPS) – is a clear challenge for each leader. Unfortunately, this scientific approach has just been created in addition to hundreds of scientific institutes and centers engaged in isolated and fragmented private peace researches on national and regional scale, but not global level. But this scientific Rubicon can and must be crossed. For example, considering military science, A. D. H. von Bülow's (*Spirit of Modern Military Systems*, 1799), developed by Carl von Clausewitz (*On War*, 1832) and recognized by all governments, which continues now by hundreds of thousands of military scientists and teachers and studies in thousands of military academies, institutes and colleges by dozens of millions of soldiers and officers. **With comparison with war science, the absence of GPS is a great intellectual and historical defect of humanity, finding explanations but finds no scientific or moral justification, especially today.** If governments have been so eager to embrace military science, then how can they avoid accepting peace science even now, after almost two centuries, if it will be created?

Humanity has long dreamed of such a science. **Immanuel Kant** wrote about its possibility (i.e. the existence of objective natural source of peace) in his great treatise *Perpetual Peace* in 1795. He found an objective guarantee of global peace in the "*harmony among men*" as social nature, "*which finally assures peace*" (www.mtholyoke.edu/acad/intrel/kant/kant1.htm). If there is an objective social nature of peace, then may well be its science. **Kant's supposition has received scientific development in the GHA,** which has developed GPS over 8 years based on the theory of social harmony. **GPS is represented in the GHA's 7 books and 47 projects of social harmony and global peace.** The most perfect theoretical expression GPS is found in book: "*The ABC of Harmony for Global Peace ...*" (2012) by 76 co-authors of GHA from 26 countries: http://peacefromharmony.org/?cat=en_c&key=478. Its empirical expression is found in a new Program of "*Comparative Sociological and Statistical Study*" analyzing dynamics of spherul classes of the population in India, USA, Russia and Kazakhstan from 1950

to 2010 by decades (http://peacefromharmony.org/?cat=en_c&key=579). This study is not yet due to lack of funding at \$ 60,000). **GPS represents itself both as a science, not only of global harmony, but also the science of global justice, global economy, global finance, global prosperity, global law and global democracy.** It is expressed by the GPS's holistic model: "Social Genome of Peace from Harmony" (SOCIONOME: http://peacefromharmony.org/?cat=en_c&key=580). GPS is deeply holistic science, covering the main measures of global peace: economic, financial, political, legal and others.

In this way, GPS moves from solutions of military conflicts to their prevention. All of this is presented in detail in the GHA books and projects, and in the GPS general contour on 4 pages – in the article "Global Peace Science" (http://peacefromharmony.org/?cat=en_c&key=582). Further, GPS is connected to another important global project: *Constitution of the Earth* (<http://worldparliament-gov.org/constitution/the-earth-constitution/>), which proposes legal democratic regulation of all conditions of global peace: economic, political, financial, and so on. However, the GPS option is based on social harmony – this is one of its options, and its first real example, which does not exclude the other.

As you can see, there are sufficient scientific backgrounds to create the GPS. But this requires the will of world's political leaders, particularly G20 leaders, **to organize an International Scientific Contest under the aegis of your Committee.** This Contest would be established under the appropriate G20 working committee under the leadership of Sherpa for competition among more than 400 Peace Research Centers in the world to seek the best option for GPS, with a result to be discussed and approved at the next G20 Summit in 2014/15.

Key conditions of the proposed Contest, from our point of view are as follows:

1. The Contest should be open to any group of social scientists who have proven themselves by publishing Peace Research by at least 5 scholars from no less than two countries without any other restrictions.
2. The Contest will accept scientific texts of projects under the general title: "Global Peace Science" having at least 10 pages and no more than 1,000 pages of electronic and paper versions (perhaps as a book) with a total summary of contents in 4 pages or less.
3. Ideally, each project should include at least the following parts / sections:
 - 3.1. A review of previous peace studies, especially of a global scale.
 - 3.2. Underlying theory of global peace with fundamental concepts defining the objective ultimate causes, natural actors and spontaneous but harmonious sources of global peace.
 - 3.3. Empirical confirmation for the theory of global peace.
 - 3.4. A methodology and main ways to realize the theory of global peace at global, regional, national and local levels.
 - 3.5. A rough estimate of the economic efficiency of the global peace theory.
 - 3.6. Applications of global peace science as the theories of global justice, global law (especially human rights), global politics, global ecology, global democracy, general and complete disarmament, global peace education, harmony between religion and science, global culture of peace, global interfaith harmony and global interspiritual movement.
4. We propose that the G20 Contest Committee develop "Rules of the GPS Contest" with all details, including the necessary funding for research participants in the Contest. This Regulation is approved by leaders of the G20.

The GHA has more detailed proposals so it can enter this Contest, which it is ready to share. The historical significance of this Contest is that it will be the first global conscious-coupling mechanism of world political leaders, using with GPS as a reasonable and therefore the non-violent key to global peace. Its result may be the establishment of an International Peace Science Institute under the G20 aegis. This Contest will mark the beginning of a new era in human history – the Age of consciously and universally building harmonious global peace on a scientific basis. According to the UNESCO Constitution, not only war but also peace arises in the mind, but only on the basis of relevant scientific knowledge, which opens a new era. This era will be the integrated implementation of the humanity's fundamental ideas of peace expressed by human genius:

Immanuel Kant: "What has nature done with regard to this end (the design of perpetual peace) which man's own reason makes his duty? That is, what has nature done to favor man's moral purpose...? ... Nature guarantees perpetual peace ... but ... making it our duty to work toward this end, which is not just a chimerical one."

Leo Tolstoy: "In the hands of war are billions of money, millions of obedient troops and in our hands is only one, but the mightiest tool in the world – the truth" (true – it is a science).

Mahatma Gandhi: "If we are ever to have real peace in this world we shall have to begin with the children" (i.e. with children's education in global peace science).

Albert Einstein: "Peace cannot be kept by force. It can only be achieved by understanding" (i.e. by mind, armed with the global peace science).

Martin Luther King Jr.: "We must shift the arms race into a peace race" (that can be done through global peace science). Sincerely Yours, Dr. Leo Semashko, GHA President.

11. The GHA Letters to the UN Secretary-General, Mr. Ban Ki-moon and the UNESCO Director-General, Ms. Irina Bokova, 2013. *Leo Semashko*

August 22, 2013. **TO:** The UN Secretary-General, Mr. Ban Ki-moon through the UN Peacebuilding Support Office, Chief: Brian J. Williams, and The UNESCO Director-General, Mrs. Irina Bokova through the UNESCO Social and Human Sciences Sector, Chief: Christina Von Furstenberg, and Assistant Director-General for this Sector: Pilar Álvarez-Laso [11].

Copy: To Russian Presidency at the G20 Summit, September 5–6, 2013, St. Petersburg, Russia.

SUBJECT: Your opportunity to initiate Global Peace Science (GPS) at the G20 Summit with purpose to include this topic in the G20 agenda in any format.

NEED AND WAY OF GPS: GPS is a necessary condition for effective work of the UN and UNESCO in the 21st century, so the need for it is obvious and demands no proof. The most democratic and productive way to create this science would be an **International Contest among more than 400 Peace Research Centers worldwide under the G20 aegis. This will subordinate the economic growth to a goal of peace, not war and weapons.** The GPS first project is the fruit of eight years of work by GHA. It shows one of the possible ways of creating it (see below). The idea of GPS creation and its sufficient prerequisites are described in detail below in the Global Harmony Association (GHA) Open Letter by 57 of its members from 20 countries to the G20 leaders and Russian Presidency at their nearest Summit September 5–6, 2013 in St. Petersburg. This letter, together with the other documents for the G20, are posted here: http://peacefromharmony.org/?cat=en_c&key=582. The GPS is initiated not only in the GHA Letter **but also in personal messages of GHA members to Presidents of Russia, USA, South Africa, France, Argentina, Nigeria, Ghana, and to Prime Ministers of Italy, India, Japan, Spain, etc.** Many similar letters to other heads of states and governments will be sent. **The leaders of each state, if they want peace, not war, could initiate the creation of this science under the G20 aegis, or in other ways, for example, in their countries.** This initiative from either side answers the key question: If a science of war is possible, why not initiate a science of peace?

GPS' COMPLIANCE with the UN and UNESCO Charters: The UN Charter in Article 1 defines that "*The Purposes of the United Nations are: to maintain international peace, ... the prevention and removal of threats to the peace, ... the suppression of acts of aggression or other breaches of the peace, ... to strengthen universal peace ... and harmonizing the actions of nations in the attainment of these common ends.*" In the UNESCO's Constitution we read: "*That since wars begin in the minds of men, it is in the minds of men that the defence of peace must be constructed*". That is expressed in the UNESCO motto: "*Building peace in the minds of men and women.*"

It is clear that effectively building peace in the minds of people is impossible without peace science. **So far the highest expression and the best defense of war in minds of people**

is military science, prospering for more than 200 years. Today the highest expression and the best defense of peace in minds of people will be the Global Peace Science (GPS). It does not yet exist, but will be created in the 21st century in accordance with a requirement of the UNESCO Constitution: "*the defense of peace must be constructed*", i.e. GPS should be created. This is a great need for the UN and UNESCO. The GHA letter mentioned above is devoted to constructing peace science as the best reasonable defense of peace at people and nations. Effective achievement of the UN and UNESCO purposes in the global world of the 21st century is impossible without adopting Global Peace Science (GPS), giving scientific and understandable to all peoples' questions seeking a method to use in achieving these purposes.

CONCLUSION: GPS is required for nations, governments, the UN and UNESCO. GPS does not conflict with the Charters but only strengthens them and ensures effective achievement of their purposes in the 21st century to prevent the recurrence of the bloodiest in history 20th century.

Result for the UN and UNESCO: Your initiative will provide the highest peacemaking prestige and deeper global impact of the UN and UNESCO in the 21st century.

Dear Ladies and Gentlemen, UN/UNESCO is a permanent member of the G20 Summits, so you have the right and ability to initiate the GPS as a new vision of economic growth and sustainable development through the scientific prism of global peace. This vision consists in the fact that economic growth is justified and has sense only in one case, when it is fulfilled through the peace and for the peace, not for the war as a self-destruction and loss of growth achievements. It unfolds global peace as the first and inexhaustible resource for economic growth. GPS makes this resource equally available to all nations and governments.

Humanity cannot live and grow further in the new century, on the threshold of a single global society, without durable global peace, which can be understood and accepted by the nations for everyday conscious building only on the basis of relevant peace science – GPS. This is a turning point in human history, from a military to peaceful one, defined by a new level of human thinking within a new paradigm in a scientific mindset.

History has exhausted all war alternatives, leaving only a peaceful alternative for humanity, which, however, is impossible without scientific light of GPS. History was first raised its initiative as a rational choice and recognition in 2013 before the G20 Summit. Will the G20 accept it as a historical alternative? This depends on each leader, and from you personally, Mr. Secretary-General of the UN and Mrs. Director-General of UNESCO.

A new era of humanity, "*a peace race*," which takes the place of "*the arms race*" has appeared and this was foreseen by **Martin Luther King Jr.** when he said: "*We must shift the arms race into a peace race.*" This historic shift has started! How the UN/UNESCO will react to it will demonstrate its world peace leadership and its future in the 21st century and beyond. There is growing concern in the world about the future due to ever-increasing military spending. It is well known that peace cannot be achieved by force. It can only be reached by reason embodied in peace science.

For more than 200 years governments have nursed the science of war, now leaving the best-equipped governments with a powerful military industrial complex embracing hundreds of millions of staff, with thousands of military academies and colleges including tens of thousands of military scientists and teachers and millions of listeners (officers and soldiers), and finally with a myriad, annually galloping military budget of trillions of dollars, whipping up an unrestrained arms race. This is an arsenal of war, prosperous primarily due to the military mindset in the face of military science, consolidating a war arsenal with innumerable resources. A mindset for peace is still very far from the similar top in national and global consciousness.

Therefore, an arsenal of peace, devoid of peace science, is not able to withstand the military arsenal and make a real alternative to war. After more than two centuries of military science, before the door of the globalized world, economic growth depends on global

peace. Today, more than ever we feel the acutest necessity for Global Peace Science (GPS). **You, as the UN/UNESCO leaders, have the highest opportunity to initiate the inclusion of GPS in the Summit G20 agenda.** Global civil society expects influential support for creating GPS under the G20 aegis from President Barack Obama as the only Nobel Peace Laureate among the G20 leaders and from UN/UNESCO, the most important statutory purpose of which is to ensure global peace in the 21st century that is impossible without GPS.

The UN/UNESCO proposal to include Global peace Science (GPS) in the G20 Summit agenda would be the most powerful voice in its support. The logical and practical consequence of your initiative would be the establishment of the International Institute of Global Peace Science (which I am ready to head and find the scientists for it) within the UNESCO Sector of Social and Human Sciences. This Institute fully meets the mission, strategy and purposes of the UN and UNESCO. **This Institute, as a think tank of knowledge for global peace society,** will be the scientific pillar for G20 in the questions of global peace and will raise qualitatively the effectiveness of the UN and UNESCO in the 21st century.

These key universal perspectives of global peace now depend from your initiative at the G20 Summit. Sincerely Yours, Dr. Leo Semashko, GHA President, St. Petersburg 194356, Russia

12. The GHA Members' Letters to the G20 Summit Leaders, September 5–6, 2013, St. Petersburg. Peacemaking Thinking of G20 Summit and GHA. Report. *Leo Semashko*

Dear GHA members and friends. The GHA must honestly and courageously recognize the following facts regarding the G20 Summit September 5–6, 2013 in St. Petersburg, to which the GHA 57 members prepared on Aug. 4, 2013 the Open Letter with a proposal to create the Global Peace Science (GPS).

First. We cannot say anything now about the economic impact of the Summit, which will manifest in practice for 1–2 years.

Second. In the political aspect, the Summit did not go beyond the primitive militaristic question: **to bomb or not to bomb Syria**, on which the opinions were divided about fifty-fifty. Any of these decisions remains a civil war in Syria and is inviolable and deprived of any peace perspective and alternative.

Third. The GHA members sent letters of invitation to the G20 leaders and the heads of other states to initiate, at the Summit, creation of global peace science as presented in the GHA Open Letter on August 4, 2014: In English: http://peacefromharmony.org/?cat=en_c&key=582

We will list the letters in chronological order with the indication of the author and recipients:

1. Renato Corsetti, Italy, to Prime Minister (PM) of Italy, 10/08/13, 1 letter.
2. Ayo Ayoola-Amale, Ghana, to Presidents, PMs and heads of parliaments of South Africa, Nigeria and Ghana, 12/08/13. Copies of these nine letters were sent to President Putin, the Summit Chair. Ayo sent 18 letters.
3. Surendra Pathak and Subhash Chandra, India, to PM of India and the Summit Chair, 16/08/13, 2 letters.
4. Justo Bolekia Boleka, Spain, to PM of Spain and the Summit Chair, 17/08/13, 2 letters.
5. Guy Crequie, France, to French President and Summit Chair, 18/08/13, 2 letters.
6. Bruce Cook, USA, to the USA President, State Secretary and the Summit Chair, 19/08/13, 3 letters.
7. Subhash Chandra, India, to Summit Chair, 22/08/13, 1 letter.
8. Muhammad Yunus Khan, Pakistan, to PM of Pakistan and Summit Chair, 26/08/13, 2 letters.
9. Maria Cristina Azcona, Argentina, to President of Argentina, 27/08/13, 1 letter.
10. Marie Robert, France, to French President, 29/08/13, 1 letter.
11. Ammar Bunny, Algeria, to Summit Chair, 29/08/13, 1 letter.
12. Takis Ioannides, Greece, to Summit Chair, 01/09/13, 1 letter.
13. Apostolos J. Paschos, Greece, to Summit Chair, 01/09/13, 1 letter.
14. Athanassios Koumouris, Greece, to Summit Chair, 03/09/13, 1 letter.
15. Roxana Sadykova, to Summit Chair, President Obama and UN Secretary General, 04/09/13, 5 letters.
16. Leo Semashko, Russia, to Summit Chair and UN Secretary General, in August 2013, 6 letters.

In total, GHA 16 members sent 48 letters to the Summit 9 leaders and 8 leaders of other countries. None of the 17 leaders, including the Summit Chair President Putin, Nobel Peace Laureate President Obama and the UN Secretary General Ban Ki-moon had ever heard the GHA voice about science of global peace. Of the 48 letters on the GHA website (address above), 23 letters were published, together with

the GHA Open Letter. GHA expresses heartfelt gratitude to the authors of all the letters that make up the first great contribution to the science of global peace. What conclusions can we draw from these facts?

(1). GHA voice of the global peace science in 48 letters was very weak. While it is obvious that the voice has been heard, it should be submitted at least in 48 thousands of letters and not for the 17 and for 200 governments of the world, and not only the GHA, but with the support of dozens of other peace organizations. GHA will continue this campaign of initiating global peace science among the leaders of G20, G8, UN (at each General Assembly of the UN), UNESCO, governments all over the world. Each of these leaders from each state can go down in history if he/she initiates this science on any of the forums of these global organizations.

(2). No matter how weak it was, the GHA voice for global peace science was the first attempt in the history of humanity to create scientific reason for global peace, without which humanity cannot survive in the 21st century. **Perhaps the main achievement of our discussion was idea of International Institute of Global Peace Science, which can be created by any government of any country or the UN or UNESCO in the sector of social sciences.**

(3). The 2013 Summit level of peacekeeping thinking, not coming outside the primitive militaristic issue: to bomb or not to bomb Syria, as we see, is still very far behind the demands of global peace and its scientific understanding. **The consciousness of modern world leaders is totally ignorant and militaristic in this area.** Their politics remains the war geopolitics, which excludes the peace geopolitics. This ignorance can be overcome only through study of the appropriate scientific knowledge, all the preconditions of which have already been created. What are needed are the political will and the decision of the world's leaders to form this science for global education, including each leader's own country. This science is needed at the UN, G20, G8, etc. for scientific literacy (rather than force) solutions and, most importantly, for the reasonable prevention of military conflicts such as Syria, which exist in the world in great number and which are increasing. This is a historic transition from a dying industrial civilization with its militaristic mindset to a harmonious global society of the 21st century with a scientific peacekeeping and harmonious way of thinking, preventing all armed hostilities and excluding military conflicts.

(4). **Today, science of global peace remains utopia for world leaders and governments. But every year its real need is becoming clearer and more understandable.** The world can no longer live in constant movement from one Syria to the other. The world can no longer spend huge resources on this senseless way of militarist movement when those resources are so urgently needed to address the growing global problems that can be solved in a coherent and long-term order only by global peace. The main obstacle in this way today is the lack of a generally accepted science of global peace, providing global peacemaking scientific thought and consciousness as the first source and guarantor for global peace. GHA is acutely aware this historical need, consistently working in this direction and welcomes all peace-loving people to support our work and join us to reach rapid recognition of the science of global peace.

This report, along with the letters to leaders and other responses in the discussion will be published on indicated pages of the GHA website and, in the future, in a new GHA book dedicated to the science of global peace. I will be grateful for all corrections. Best wishes for harmony.

Dr. Leo Semashko. Editor in Chief, *Global Peace Science (GPS)*

13. Preface for Global Peace Science Publication. *Johan Galtung*

Having worked on global peace science, both in theory and practice, for about 60 years I am of two minds writing a preface to this important publication. On the one hand, there is still rampant and deplorable violence and war; some countries seem ever to give up. On the other hand there is also much peace around because states and people find ways of interacting for mutual and reasonably equal benefit. To my mind the key positive peace formula.

But then, on the third hand, even when not, there is a way out which I have tested again and again and often successfully so: identify the underlying conflicts--you find them if you look--and solve them. Transcend, mediation NGO, has at least 35 positive experiences making it impossible to give in to pessimism or "realism", that only violence will stop violence. Nor to give in to optimism or: idealism. But to be realistic, doing much research to identify the incompatible goals underlying the violence and to explore through searching dialogues with all parties what has to be done to make legitimate goals compatible. And if their goals are not

legitimate by legal, human rights and/or basic needs standards? To identify deeper goals those are legitimate. Many people confuse ends and means.

This takes some time, much hard work, much empathy with the parties, nonviolent communication. And above all creativity, visioning a new reality where legitimate goals become compatible. The military tend to eliminate or contain other parties, the diplomats to promote their own interests hoping that they add up to peace. They usually so not, something new is needed, it may take some time, but it is our task to think it, say it and show how to do it. If compelling, it will be picked up. Idealism-optimism in the heart, realism-skepticism in the brain. Creativity both places: Move ahead!!

Dr. Johan Galtung, Founder Transcend, www.transcend.org, World Harmony Creator, Germany

14. Pentagon announces worldwide expansion of US military bases. *Thomas Gaist*

The US Defense Department (DOD) is preparing to expand **its global network of military bases** by establishing a new “string” of bases in countries stretching from Africa to East Asia, unnamed Pentagon officials told the New York Times Wednesday. The enlarged US basing arrangements will include at least four new large-scale bases or “hubs,” including new facilities in East Africa and West Africa and Afghanistan, along with a greater number of smaller camps or “spokes,” sources told the Times. The new bases, which the Pentagon describes as “enduring” bases, will host forces ranging from dozens of commandos up to 5,000 soldiers at the largest hubs, the unnamed military officials said.

West Africa is a main focus of the expanded basing plans, and will host one of the larger hubs. The West African countries of Niger and Cameroon are the only countries set to host smaller “spoke” bases listed by the Times report. The Pentagon plans to build a large “hub” near Erbil in northern Iraq, where US special forces have already been conducting combat operations for months. US Special Forces commandos affiliated with the “expeditionary targeting force” announced last week by US Defense Secretary Ashton Carter are already setting up operations in the same area, according to reports. **The new bases are only the latest development in the metastatic growth of Washington’s global military apparatus.** According to the official list of US overseas bases, US forces are stationed in Afghanistan, Australia, Bahrain, Belgium, Brazil, British Indian Ocean Territory, Bulgaria, Cuba, Djibouti, Germany, Greece, Greenland, Honduras, Israel, Italy, Japan, Kosovo, Kuwait, Netherlands, Norway, Oman, Romania, Portugal, Qatar, Saudi Arabia, Singapore, South Korea, Spain, Turkey, United Arab Emirates, and United Kingdom.

Taking into account non-officially acknowledged bases, “forward operating posts,” and other long-term deployments, **the list of US bases expands to include the majority of the countries in the world.** Recent weeks have made clear that the US is launching yet another expansion of its wars in the Middle East. Wednesday announcement, transmitted by the Pentagon through the semi-official mouthpiece of the Times, demonstrates that the escalation of the US-led imperialist wars in Iraq and Syria will be accompanied by a generalized military build-up encompassing far wider areas of the globe. The new bases will facilitate a further expansion of manhunts, kidnapping, and other counter-insurgency operations which have been orchestrated by US military-intelligence cadres across ever-expanding areas of the planet since 2001 under the banner of the US “Global War on Terrorism.”

Working from the new “hubs,” Special Force troops and intelligence operatives will orchestrate supposed “counterterrorism” missions, according to the description offered by the Times. Operations launched from the new bases will enable close collaborations between “regional American commanders, diplomats and spies,” US officials said. In other words, the bases will provide launching pads for a further expansion of US military and intelligence activities in Eastern Europe, Central Asia, along the entire Indo-Pacific rim, and in every

significant corner of Africa. In statements defending the basing expansion, Defense Secretary Ashton Carter claimed that the all-pervasive nature of the ISIS threat requires permanent global presence that reaches easily into every corner of the world. **“Because we cannot predict the future, these regional nodes – from Morón, Spain, to Jalalabad, Afghanistan – will provide forward presence to respond to a range of crises, terrorist and other kinds.”** US Defense Secretary Carter said in reference to the basing expansion. “The new bases will enable unilateral crisis response, counter-terror operations, or strikes on high-value targets,” he added.

US chairman of the Joint Chiefs of Staff General Joseph Dunford similarly claimed earlier this month that ISIS is based on a “global dynamic” that makes it impossible to combat the group within any limited list of countries. **In reality, rather than “fighting terrorism,” the real purpose of the bases is to shape the world political order in accordance with needs of US imperialism, subjecting ever wider areas of the globe to military violence and repression by US forces.** Recent operations in Eastern Europe have given a taste of what is planned for the new US military “hubs” and “spokes.” Some 400 US troops have been deployed to forward operating bases **in western Ukraine**, where they are reportedly gathering information about Russian forces stationed near the **eastern border with Russia**. Military Times reported Thursday. Intelligence gathered from the military spying is already being used to develop new training programs for the main US Army infantry school on the European continent, located in Germany. [12] **Thomas Gaist**, journalist, USA

15. Letters to the BRICS Leaders. The letter to Mr. Putin, Oct. 26, 2015. *Leo Semashko*

Before completing "Global Peace Science" in English, the GHA Board decided to appeal to the BRICS leaders, whose union, in our deep conviction, is the leader of the peacemaking force in the world (Chapter 10), with invitation to write a brief (a few lines) preface for the book. From these letters we publish below only two: to President of Russia and Prime Minister of India.

To President of Russia Mr. Vladimir Putin. Subject: Your preface in a few lines to the first ever "Global Peace Science" (GPS), more than 140 coauthors from 34 countries, which will be published in January 2016 in India and the USA as a new peaceful step of Russia and BRICS but now in the way of science and culture.

Dear Mr. Putin, GHA is finalizing the GPS book for its English edition. In Russian it was published in January 2015. Among her coauthors are former Indian President A. Kalam, Nobel Peace laureate M. Corrigan and many prominent figures. Peacefulness of Russia, BRICS peace priority and you are its center as a source of global peace in our time that was emphasized by your choice on the Valdai Club, "*the right choice is a choice in favor of peace.*" It neutralizes the US/NATO militaristic choice, **which for peace did nothing**. You are defined in the book as a historical reformer of the XXI century who slews the world order from the USA dictate to multipolar world order from harmony and cooperation. The GHA recognized you as WORLD HARMONY CREATOR and included into a number of great historical peacebuilders together with Pompilius, Ashoka, Gandhi and others, publishing your portrait in their gallery. Created in the GHA since 2005, GPS as a new fundamental science, which provides not only a revival of social sciences but "a new impetus for development," strengthens your peacemaking in the way of international law.

So we'll be glad to get your preface to the GPS book before 01/12/15 in 3–5 lines about peace and need peace science. It has great importance for Russia as its motherland and for the BRICS peaceful geopolitics. GPS integrates the peacebuilding traditions of Russia, Soviet Union, India and other countries. This invitation will be sent to other leaders of the BRICS, the prefaces of which will be published together with your. Sincerely, GHA members:

Dr. Leo Semashko, GHA President, GPS Editor in Chief, and others authors from the BRICS countries

16. Letters to the BRICS Leaders. The letter to Mr. Modi, Nov.5, 2015

Subhash Chandra

To: Honorable Mr. Narendra Modi, Prime Minister of India. **Subject:** Your Preface in a few lines to the first ever "Global Peace Science" (GPS) by more than 140 coauthors from 34 countries, which was published in Russian in January 2015 and now will be published in English in India and the US in January 2016 as a peaceful step of BRICS on the way of science and culture. Its first ten chapters from twelve are published on the GHA website here: http://peacefromharmony.org/?cat=en_c&key=585

Dear Mr. Modi, Sir, The GHA is finalizing the GPS book its English edition. Among its coauthors are the former Indian President Abdul Kalam, Nobel Peace Laureate Mairead Maguire, pioneer of peace studies Prof. Johan Galtung and many other distinguished scholars and peacemakers. Peacefulness of India and BRICS with its "*priority of international peace and security*" make its center and source of global peace. The world famous Indian peacemakers: Great Ashoka and Mahatma Gandhi are recognized in GPS as the science founders. To them and you are devoted the articles in this book. You endorsed at the UN Sustainable Development Summit on 26th September 2015 that India is "*committed to a sustainable path to prosperity that is rooted in our culture*". It is path through peace from culture and harmony, through principle of Oneness – Vasudheva Kutumbkam – World is one Family.

Creating in the GHA since 2005 the GPS as a new fundamental science provides the revival of social science to overcome the lag of nearly two centuries from military science and a new impetus to develop peacebuilding BRICS on a new scientific platform. For its development, we call on the BRICS leaders to establish an International Academy for Global Peace (see attachment). We also invite the BRICS leaders to write a few lines to the book Preface.

Therefore we'll be glad to get your Preface for the GPS book before 01/12/15 in 3–5 lines about peace science and its need for peace as a common platform for dialogue in the peaceful settlement of any armed conflict. It has great importance for the BRICS peace geopolitics, for its scientific basis and integrating world peacebuilding experience especially the BRICS countries. We sent similar invitation to other leaders of BRICS and other great peacemakers, the Prefaces of whom will be published together with your Preface. Thank you very much. Sincerely, GHA members and GPS coauthors from the BRICS countries.

Dr. Subhash Chandra, GHA Secretary General, India; **Kanakmal Dugar**, GHA Vice-President, Chancellor, IASE Deemed University, President, Gandhi Vidya Mandir, India; **Dr. Surendra Pathak**, President, GHA-India; **Dr. Leo Semashko**, GHA President, GPS Editor in Chief, Russia; **Prof. Jiang Yimin**, Educator, China; **Ayo Ayoola-Amale**, President, GHA-Africa, Ghana; **Delasnieve Daspert**, Lawyer, Poet, Writer, Peacemaker, Brazil.

17. Mr. Kofi Annan, Nobel Peace Laureate, Response. Nov. 22, 2015

Ayo Ayoola-Amale

Dear Mr. Kofi Annan, I respectfully request for your Preface in a few lines to the first ever "Global Peace Science" (GPS). Could you kindly find attached with this cover letter an official request letter to this effect please. I look forward to your favourable response. Thank you for your kind consideration. Sincerely, **Ayo Ayoola-Amale** ESQ, Educator, Lawyer, Poet, Peace Builder, Writer, GHA – Africa President, Ghana.

Dear Ms. Ayoola-Amale, I write to thank you on behalf of Mr. Kofi Annan for your recent correspondence asking him to write the Preface of the first "Global Peace Science". Much as Mr. Annan appreciates your kind request, it is with regret that owing to the number of requests received and demands on his time, he is only able to consider endorsements for very close friends and individuals with whom he has a long standing professional relationship. Thank you for your understanding on this matter and we wish you every success with this publication. Yours sincerely, **Orla Vandepoortaele**, Kofi Annan Foundation.

The GPS Editor in Chief Note. This letter shows that even Nobel peacemakers are unable (or unwilling) to understand the need and importance of peace science in general.

18. Global Peace Science for the BRICS Network International University.

Letter to Ms. Valentina Matviyenko. *Leo Semashko*

To Ms. Valentina Matviyenko, Chairwoman of the Federation Council of the Russian Federation. **Subject:** The proposal to introduce the study of "Global Peace Science" in the BRICS Network International University in accordance with signed on 10 November the Agreement on Inter-parliamentary Cooperation between Russia and Brazil. [13]

Dear Ms. Matviyenko! Global Harmony Association (GHA) is an international peace organization that unites today more than 600 individual members – scientists, writers, politicians, priests, artists and other active peacemakers from 65 countries and about 30 international organizations as the GHA collective members. Our organization develops more than 10 years, since February 15, 2005, "Global Peace Science" (GPS). Its creation is the GHA mission of the GHA, within which was produced 50 international peacemaking projects and published 8 collective books in multiple languages, a list of which can be found here: http://peacefromharmony.org/?cat=ru_c&key=496.

Many years of the GHA work was crowned with the publication of fundamental book "Global Peace Science" in Russian by 89 co-authors from 30 countries in January 2015, in St. Petersburg, 432 pages: <http://peacefromharmony.org/docs/Nauka-globalnogo-mira-2015.pdf>. Now we finalized this book more than 150 coauthors from 34 countries in the English language in an expanded and updated edition of over 620 pages for the publishing houses of India and the United States in January 2016. Its 13 chapters are presented on the site here: http://peacefromharmony.org/?cat=en_c&key=585.

Among the GPS coauthors are former Indian President **Abdul Kalam**, Irish Nobel Peace laureate **Mairead Maguire**, a pioneer of peace studies Professor **Johan Galtung** from Germany, a world-renowned intellectual and critic of American militarism, professor of linguistics at the Massachusetts Institute of Technology, US, **Noam Chomsky**, academician of National Academy of Sciences of Kazakhstan Director of Economics Institute **Uraz Baimuratov**, Chancellor the IASE Gandhi University in India **Kanakmal Dugar**, Professor Emeritus of the Catholic University of Louvain in Belgium sociologist **Francois Houtart**, a well-known poet and peacemaker **Delasniewe Daspert** from Brazil and many other prominent figures.

The GPS book tenth chapter (~ 50 pp.) is dedicated to the BRICS alliance, a priority of which is "***to strengthen international peace and security.***" BRICS is defined as the leader of the planetary peace in which the leading spiritual and peacemaking role played by Russia. As emphasized Vladimir Putin at the Valdai Forum – "***the right choice is a choice in favor of peace***" that neutralizes the militaristic choice of the US/NATO. They are not doing anything for peace, supplying only new wars and nurturing global terrorism of IS. In this chapter is published the GHA Message to the BRICS leaders, primarily to Russian President Vladimir Putin, to establish in the Crimea in Simferopol, as the university city the International Academy of Global Peace for development of this innovative science and for its wide learning and teaching in the BRICS countries. This message is here: http://peacefromharmony.org/?cat=ru_c&key=657.

You know better than we how international situation is explosive, which is exacerbated by the aggressive politics of militaristic block US/NATO, surrounding Russia on all borders as Hitler's troops in 1941, and leading an active information war against Russia. **A powerful tool for the counter-offensive in this war would GPS study and teaching, especially for the beginning and in International Network University within BRICS** [13]. GPS teaching at the university can start in two languages – Russian and English, and then on the others by the professors and lecturers from the GPS coauthors and there, recall, – more than 150 from 34

countries. The importance and need for such a subject and such a science first established in Russia and first published in St. Petersburg cannot be overestimated in our time.

We think it is unlikely one of the leaders of the BRICS peace-loving countries, having a centuries-old peacemaking history, starting with Russia, India and China would reject the social need of teaching this so urgently needed, science, providing an undoubted cultural leadership and spiritual advantage to BRICS countries before militarist block US/NATO. On the contrary, they are likely to strongly support the teaching of this science that will begin Global Peacemaking Enlightenment of the 21 century and lift BRICS in its leaders. It is clear that the BRICS have to create, build and develop its advantages in all areas, especially in science and education that prepare future generations to new historical challenges. And their, of course, the history prepares to all BRICS countries and they should be prepared for them better than confronting them militarist bloc.

Therefore, **we hope for your understanding and support for our proposal.** All other issues of methodical, technical and organizational character are easily solved if there is the political will from your side. It will raise not only international cultural weight of Russia but also your political prestige. Sincerely, with deep respect, GHA members and colleagues from BRICS NGM: **Dr. Leo Semashko**, GHA President, Editor in Chief of GPS, Russia and others.

19. The Software Product "Person" (SPP) for Harmonious Development and Personal Growth. Information Technology. *Leo Semashko*

SPP is a fundamentally new information intellectual program of humanitarian class within the Spherical Information-Statistical Technology (SIST) on the basis of Psychological Genome of Human (Chapter 7.5). SPP includes the following structural parts: 1. Monitoring individual life, 2. Diagnosis of individual development, 3. Planning personal growth, 4. Modeling different strategies for personal growth, 5. Harmonization of individual development, 6. Tetraharmonious personal growth and development of individual needs and abilities, 7. Choice for yourself optimal Tetrads from Sociotics, 8. Professional orientation and career choice, 9. Individualnye conflict: analysis and solving.

The SPP applications by sections: character, consciousness, will and body are: 1. Terminological dictionary, 2. Philosophy, Sociology and Psychology of the person, 3. Value, meaning, way and level of life of the person, 4. Meditation, tests, educational games and overcoming depression. 5. System of physical and mental health. Sexology. Dietology. 6. Preparation of himself to death (for the 60-year-olds and older). 7. The lists of encyclopedias, dictionaries, reference books, art literature, etc. for harmonious development, 8. Analysis and comparison of the different accounting systems of individual time. Using the special calculators.

The SPP Abstract. The principal novelty of the SPP technology is defined by system of special, spherical, sociological indicators, overcomes the limitations and disadvantages of economic indicators (Chapter 2). Spherical indicators aggregate the existing branch and private indicators built on top of them and complement them. They are universal, suitable for calculation of dynamics of any socio-cultural phenomena from the individual, family, corporation to the country and humanity. The sociological and statistical bases of SIST are outlined in the previous author's monographs; but in connection with the Psychological Genome of Human it is for the first time here.

SPP is intended for software (computer) analysis and training of harmonious development and personal growth of the individual ranging from 10–12 years of age. In the future, on the SPP common software platform is created a family of the products intended for different age groups (10–18 "schoolboy", 18–25 "Student", 25–30, 31–50, 51–60, 61–80 years), and for various professions: teachers, doctors, coaches, athletes, scientists, artists, journalists, managers, politicians, lawyers, financiers, military personnel, businessmen, etc. The original database is statistics of individual development, for example, on the Andrei Smirnov's model for 30 years.

The Basic SPP offers each user in a given system of spherical indices the following number of functions. 1. Creating statistical database of personal employment; 2. Construction of the monitoring system of personal employment; 3. Diagnosis (assessment) of yourself growth on a given scale; 4. Working several variants of short-term (2 to 12 months) and long term (5–10–20 years) plans for personal growth by the given patterns; 5. Modeling strategies for personal growth in the given algorithms and choice

the best strategy; 6. Determining the level of harmony/disharmony of yourself past and projected growth; 7. Determination on the given criteria a better individual way of tetraharmonic development of personality.

In view of the SPP importance and its functions for virtually every person since 10 years of age and for all educational institutions, to SPP is provided a wide demand for both domestic and global market of information technology, measured in millions of copies and the potential volume of demand for SPP is billions.

The SPP working layout is created by a working group of programmers and other experts of 7 – 12 people in 1–2 years. Every developer becomes a shareholder, who by a result of its contribution receives an appropriate shares or part of profit from sales of SPP. With each developer as a partner is a contract which fixed the specific working conditions.

The SPP working layout is the basis for attracting investor/s and the establishment of an appropriate joint stock company, in the Charter of which is fixed the exact share of the profits of each partner. The SPP working began 25 years ago, in 1990, but was interrupted in 2005. The SPP having many materials now require updating and generalization. **Dr. Leo Semashko**, Editor in Chief, *Global Peace Science*

20. Global Peace Science (GPS): Natural Actors and Peacebuilding Genome.

Leo Semashko

Science of global peace is general hope of all nations to real peace and prosperity on the Earth in the 21st century. GHA

Synonyms for concept of global peace are: world-wide, universal, eternal, perpetual, continuous, harmonious, non-violent, sustainable, stable, durable, lasting, real, planetary, true, future, etc.

Antonyms are: local, partial, temporary, discontinuous, disharmonious, militaristic, unsustainable, shaky, wavering, brief, illusory, regional, false, traditional, and etc. peace.

In traditional culture, social science and philosophy, no one has raised the fundamental scientific questions of natural social actors, ultimate cause and any eternal spontaneous source of global peace. Even Immanuel Kant, in his great treatise “Perpetual Peace” (1795), did not do it. But in this work he made the greatest discovery of “*harmony among men*” as a social nature and guarantee of perpetual peace – as he said, “*the guarantee of perpetual peace is ... nature*”. This nature “*establishes harmony between morality and politics*” through “*the transcendental concept of public right*,” on which Kant builds a harmonious treaty of “*perpetual peace among states*” and achievement of which “*is not a chimerical*” (www.mtholyoke.edu/acad/intrel/kant/kant1.htm).

Accordingly, the answers to such questions were absent. The science of global peace does not exist yet. Raising these questions, but more so for the scientific answer to them, requires a fundamentally other area of philosophy and science – the science and philosophy of global social harmony of society as a whole. Such science and philosophy have been developing since 1976 as part of Tetrasociology and Tetrism (http://peacefromharmony.org/docs/2-1_eng.pdf). In the last 8 years, since 2005, they have developed collectively in the Global Harmony Association (GHA) and found expression in its 7 books and 47 projects of global harmony and harmonious peace (http://peacefromharmony.org/?cat=en_c&key=472). Their most complete and perfect expression is found in *The ABC of Harmony for World Peace ...* (2012, 334 pages) by 76 co-authors of GHA: http://peacefromharmony.org/?cat=en_c&key=478. This global textbook of harmony reflects the fundamental concepts (see below) and brief history of Global Peace Science (GPS), which is the science of global harmony and vice versa. They are identical.

The GPS core is global sociology and global statistics in an indissoluble unity. Global sociology reveals the global social structure of human society throughout its all history in the form of four eternal harmonious spherical classes of the population employed/engaged in the four spheres of social production of four necessary and sufficient resources for existence of any society and person.

The necessary and sufficient, therefore, eternal, natural and harmonious resources are: PEOPLE, INFORMATION, ORGANIZATION and THINGS (material goods and services). The lack of even one of them in a certain proportion (measure) with others would make the existence of human and society impossible.

The necessary and sufficient resources determine as necessary and sufficient, therefore, eternal, natural and harmonious spheres of their constant and continuous production: SOCIOSPHERE, INFOSPHERE, ORGSPHERE, TECHNOECOSPHERE (economic and ecological spheres together).

The necessary and sufficient spheres of production determine as necessary and sufficient, therefore, eternal, natural and harmonious spherical classes of the population working (or employed/engaged) in these spheres and therefore called spherical classes – SOCIOCLASS, INFOCLASS, ORGCLASS, TECHNOCLASS.

The necessary and sufficient spherical classes as eternal, natural and harmonious creators/actors of any society are its global social structure. They are at one time a NATURAL HARMONIOUS ACTORS, ULTIMATE CAUSE AND ETERNAL SPONTANEOUS SOURCE OF GLOBAL PEACE. They are real, but to transform from spontaneous into conscious and effective creators of global peace they need this science (GPS) and its understanding, awareness and education in it, to build this peace competently.

Eternal global peace is a natural, normal and healthy state of the spherical classes of population and – together with them – society in a whole. This social nature generates and guarantees global peace by spontaneous and harmonious spherical classes of the population. Therefore, the spherical classes and their natural harmony are the eternal foundation of global peace. From this follows the shortest definition of global peace – IT IS PEACE FROM HARMONY, which is created and constantly recreated by spherical classes. The war between them is not possible, since the death of at least one spherical class means the cessation of production of one of necessary resources that leads to death of all spherical classes and society as a whole. The resource wars are possible only between private and temporal dominant groups, nations, economic or political classes, castes, estates, etc. Past history is filled with similar private wars. Therefore, peace between private groups and classes is the absence of war between them or a break in existing war. This is militaristic, private and temporal peace, which is subordinated to war constantly and requires permanent preparation. This peace is ensured by force and threat of force, giving rise the old rule: "If you want peace – prepare for war." This militaristic trend is reflected in the constant never-ending arms race as preparation for an eternal war that is very ingrained and a wasteful social pathology bled out all parties. Albert Einstein summed up its inanity: "*Peace cannot be kept by force. It can only be achieved by understanding*", i.e. only the mind and consciousness of spherical classes through peace science and education.

Humanity will be able to recover from this terrible disease only in the development and application of Global Peace Science (GPS). But a global sociology is not sufficient unto itself. To consciously harmonize production resources at the deepest level of global spherical classes, which also determines the conscious building global peace, it is necessary to develop quantitative statistical measures and indices of proportions – the harmony of resources and all processes associated with them: production, distribution, exchange (market) and consumption.

Such measurement in each country has historically been traditional, national in character, statistics. But to measure global resources in their global production, distribution, exchange and consumption by global spherical classes it is necessary to use global statistics. Its basic concepts and indicators, together with the fundamental elements of social harmony, including spherical classes, are also disclosed in *the ABC of Harmony for World Peace* (pp. 22–58). Global statistics is not possible without a global sociology, and vice versa, global sociology is not possible without global statistics. They are inseparable, as quality and quantity are inseparable. Their common connecting link is the sphere as a structural unit and its quantitative measure – the sphere indices. Only in the unity of these two global sciences can we have a powerful tool for innovative scientific discovery of natural creators of World Peace and its scientific building in all countries and regions of the world.

Global sociology and global statistics form the core of GPS, but are not limited by them. The integral holistic nature of global peace requires an equally integral and holistic scientific knowledge combined in one holistic scientific paradigm. It is defined in *the ABC of Harmony* as a "social genome of harmony of society" – SOCIONOME, which is also a "social genome of peace from harmony." SOCIONOME expresses the holistic scientific paradigm of a new, harmonious and peace, Tetranet thinking and is presented in *the ABC of Harmony Scheme* (pp. 40–41).

Socionome is a generalized integral expression of GPS as the organic unity of the social sciences. Socionome is simultaneously seen as a model for all social sciences, i.e. it is as sociological, statistical, economic, demographic, historical, cybernetic, synergistic, political, legal, financial, environmental, educational, mathematical and etc. model. Interfaith harmony is also an important aspect of global peace, which is reflected in the GPS (http://peacefromharmony.org/?cat=en_c&key=561). Socionome combines all social scientific measurements of global peace in its united science – GPS. Therefore, socionome is a scientific peacebuilding genome. Please see the GHA video, which is dedicated to it: *Social Genome of Peace from Harmony*, 8 minutes: <http://youtu.be/hbxY5IREOeA>.

The GPS frame above, in general terms, is only a theoretical hypothesis of natural harmonious actors of global peace – the spherical classes of population. Any theoretical hypothesis only becomes a full-fledged science when it finds empirical support. To do this, GHA has prepared a special program of scientific research: "*Comparative Sociological Statistical Study (CSSS). Dynamics of the Global Social Structure of Spherical Classes of Population: An Example of India, USA, Russia and Kazakhstan since 1950 to 2010 by Decades. Natural Evolution of Social Harmony, Economic Justice, Democracy and Spirituality towards World Peace and its Global Science.*" (http://peacefromharmony.org/?cat=en_c&key=579). This project of GHA, like others, is an international and global inquiry, open to all interested scientists, institutions and countries. At the same time, theoretical and empirical scientific knowledge of spherical classes is seen as the natural harmonious actors of global peace opening the door for its conscious practical building in the 21st century everywhere, in every country and every region on the basis of a scientific study of its main creators, their harmonious education and enlightenment in GPS.

Harmonious education and enlightenment of the spherical classes in GPS transforms them from totally ignorant natural actors of peace from harmony to its conscious and scientifically educated builders. Scientific knowledge of global peace will allow the national leaders, as well as the UN and other international organizations, to make better, scientific solutions of any national, regional and global issues as they are related to building global peace and social cohesion.

Unfortunately, the UN still has not recognized the concept of "science of global/world peace." The UN develops a concept of a culture of peace, including 8 points: mutual respect, understanding, tolerance, democracy, human rights, gender equality, sustainable economic and social development and education. A culture of peace in the interpretation of the UN is very important and necessary step towards global peace but not sufficient. It is limited by the intuitive perception of peace and deprived of its scientific understanding, though science is the key point of culture, providing a practical implementation of ideas. Therefore, the CSSS project, laying the theoretical and empirical foundation for GPS, deserves the attention of all states, governments and their leaders, but above all the UN as a major peacekeeping tool of humanity. GPS consolidates and develops the UN's 8 point culture of peace, raising them to a qualitatively new level of peace thinking. Peace researches/studies are another important prerequisite for GPS. However, they are confined by local conflicts and do not touch on global peace and its natural harmonious actors.

Social harmony and Global Peace from it are a more powerful source of wealth for humanity than oil, gas, diamonds, IT, etc., taken together. But to use this unknown and inexhaustible natural resource of humanity requires adequate scientific knowledge for all nations – GPS. The minimum cost of the CSSS as the GPS first project and one scientific step to world peace is only \$60,000. It pales in comparison with colossal benefits it promises through Global Peace in a scientific plan, which will open the way for its scientific practical realization for humanity in the 21st century.

This science opens up an effective way for the complete disarmament of humanity in the 21st century, during 50 years to reduce military spending by 2% annually by all countries (http://peacefromharmony.org/?cat=en_c&key=529) and for transformation of the armed forces of war into the armed forces of global peace. These forces could form a "Global Peace Corps" of the 21st century under the UN aegis for peaceful harmonious education, health, construction, ensuring food and water and overcoming of unemployment. Of course, peace building requires other weapons than for war, but just as well-trained and scientifically prepared professionals. Only in this way can we approach the embodiment a great dream of Martin Luther King Jr.: "*We must shift the arms race into a peace race.*"

A sustainable positive future of the global world is unthinkable and impossible without a science of world peace and scientific peacebuilding. Global social harmony is the source and guarantor of global peace and common confidence of nations, which can be used effectively on the basis of GPS as a general consciousness of all the peoples. This science opens the way for a new, harmonious civilization, excluding war and violence, and with them other pathologies of mankind in the outgoing industrial civilization. The survival of humanity and its sustainable economic and social development in a globalized world and harmonious civilization are possible on the basis of GPS. Therefore, the value of this science for the fate of humanity is difficult to overestimate. This science transforms harmony as a fundamental value of humanity since ancient times, combining all the other values in the modern scientific worldview, spiritually uniting all peoples of the world in a single peace-loving family on Earth.

Many feel that Global Peace Science cannot be created through isolated and fragmented efforts of countless peace research institutes and the efforts of separate scientists. While these efforts are

commendable, it would seem more logical and effective to achieve best results in a global way, with collective and solidarity efforts of scientists from various social sciences, different countries and cultures in the spirit of Durkheim and harmony. This integral and holistic scientific trend has thriving in the Global Harmony Association during more eight years. But it requires an expansion of participants and its influence to ensure success in the creation and recognition of an unprecedented development to be called GPS.

The main obstacle hindering international cooperation to create GPS may be a lack of understanding of this science as modern planetary necessity by traditional peace institutions and scientists. It is possible that they question the need for GPS, or prefer to restrict current efforts to isolated and fragmented researches. Of course, GPS may become better known and accepted and scholars will recognize the need for the creation of this science only through proof of the theory in the empirical study now being proposed (CSSS). A new trend in peacebuilding within global peace science (GPS) will emerge demonstrating intellectual and practical preferences of international cooperation by liked peaceful institutions. In this scientific collaboration, each peace scientist and organization can find room in a harmonious unity with a diversity of other scholars and institutions. This article consolidates the GHA peace ideas, so it is its true author. **Dr. Leo Semashko**. Editor in Chief, *Global Peace Science* (GPS)

21. Peacescientific Revolution & Global Process of Peacescientization in 21st Century. The GPS New Terminology. *Leo Semashko, Subhash Chandra*

Each new science creates a new terminology, without which it cannot exist. Global Peace Science (GPS) is not the exception to this rule. Creating a new terminology in the new science can go in two directions: 1. In connection with discovery of fundamentally new phenomena, structures, qualities and laws and 2. In connection with reinterpretation of the traditional concepts, their generalization and giving them new meaning in the context of new science. The GPS first trend is linked with formation of such concepts as SPHERONS (harmonious classes of the population employed in four spheres of social production), SOCIONOME (social genome of society and global peace), unifying 16 fundamental elements of global harmony), PSYNOME (psychological genome of human) and others, which express discovery of the principal new social phenomena and structures (Chapters 1-13). The GPS second trend is linked with rethinking and generalization of the traditional concepts, which gain a new meaning. Some of these concepts will be presented below.

The new science title, "global peace science" - is a long and unwieldy term, an analogue of which can be offered the concept "**Peacescience**" as the science about global peace. Universal spiritual and cultural process of birth, global distribution, use, development and recognition of **Peacescience** we offer express by new term "**Peacescientization**" uniting concepts of "peace" and "science" (science) in process modus. The concept **Peacescientization** is similar and consonant with a series of new concepts that have become generally accepted: globalization, informatization, computerization, modernization, innovatization and etc. With global peace science, **Peacescience** is associated the relevant scientific and intellectual revolution, which we offer to express by term "**Peacescientific revolution**". At this stage, we confine ourselves the three proposed terminological innovations and look at some examples of their application.

A half of century ago, humanity has entered the era of two closely interconnected world revolutions and processes: globalization and informatization, which were universally recognized and well known through appropriate, newly emerged, integral disciplines of scientific knowledge: global studies and computer science. Along with the birth of **Peacescience** (science of global peace) in 2015 to these two world revolutions is added a third, necessary and inevitable for them - **Peacescientific** revolution in the corresponding process of **Peacescientization**. Globalization and informatization can successfully develop only in conditions of world peace, which becomes conscious and controlled process of creation and development of **Peacescience** (GPS). Therefore, we can speak of three interrelated and interdependent world processes: globalization, information and **Peacescientization**. Each of these processes intensifies and accelerates other two. In the GPS book are disclosed some aspects of interaction and mutual influence of globalization and informatization together with **Peacescientization**. Especially important and productive is the birth and development within **Peacescience** (GPS) the new disciplines and areas of scientific knowledge (global sociology, global statistics, global axiology, etc.), which open up the new ways and means of development for globalization and informatization together with related sciences.

Peacescientization integrates the spiritual and scientific ways to achieve global peace, along with sustainable development of nature and society, universal disarmament and global **Peacescientific** education. The **Peacescientization** process is well expressed in the subject matrix of **Peacescience**, in SOCIONOME, in integrated models of Tetranet thinking and other tools of GPS, stimulating globalization and informatization. **Peacescientization** defends globalization and informatization of mankind from nuclear war and nuclear collapse, paving the way for demilitarization, disarmament and prevention of new Hiroshimas. It lifts the processes of globalization and information on the universal level of the four SPHERONS - global social structure, including global population and controlling it. **Peacescientization** together with globalization and information is a necessary process of creating a new world order excluding militarism, wars, armed conflicts, terrorism, poverty and other social pathologies. **Peacescientization** is a harmonious process of solving global problems; hence it is a simultaneous process for globalization of harmony and harmonization of globalization, releasing it from the power of corporate greed, from extremes of social inequality and predatory exploitation of nature.

Peacescientization is implementation of the **Peacescientific** revolution, the revolution of **Peacescientific** thought and knowledge of humanity as one family and highest human unity, excluding enmity and hatred on the basis of peace and love from harmony. Martin Luther King said, "Darkness cannot drive out darkness; only light can do that. Hate cannot drive out hate. Only love can do that." GPS is **Peacescientific** revolution to end the cycle of violence, darkness and hatred in the way of love, light and peace from harmony, consolidating a new range of nonviolence in a harmonious civilization. **Peacescientific** revolution transforms the violent consciousness of war and terror to peaceful consciousness of SPHERONS' harmony. The GPS proposed new terminology, as we have seen, helps to more correctly express new scientific ideas. However, these terms do not exclude the possibility of their improvement and new additions. It's a long, difficult but very important epistemological process for development the GPS peacemaking terms.

Dr. Leo Semashko, Editor in Chief, *Global Peace Science* (GPS), GHA President, Russia

Dr. Subhash Chandra, GHA Secretary General, India

15. Philosophical Finale

1. War and Peace: Two Truths. Two Sciences. Two Cultures. Two Civilizations. Two Fates of Humanity. What is our Choice? 'To Be Or Not To Be?' *Leo Semashko*

The peace significance can only be understood in the context of war, because peace is born in history starting from war and contrary to it as its radical alternative. History, after the bloodiest of World War II, disappointed the hope for world peace and ultimately exacerbated the problem of survival and salvation of mankind from the threat of military self-destruction. The war for 70 years of this history has become a plague of the US/NATO global militarism and terrorism in their continuous succession of local wars, military aggressions and terrorist attacks since senseless atomic bombings of Hiroshima and Nagasaki in August 1945 and ending with the destruction of the hospital, "Doctors Without Borders" in Afghan Kunduz in October 2015. **During these years, the victims of military attacks became the 37 countries in which the United States killed more than 20 million people** (James Lucas. *US Has Killed More Than 20 Million In 37 Nations Since WWII*. Chapter 13 and 9). **Military science** has armed the plague of global militarism with endless series of sophisticated weapons, including many types of weapons of mass destruction, starting with nuclear weapons and ending the climatic, geological and cosmic ones. This weapon is targeting all natural forces to destroy not only human life but also of the planet Earth. **The war economy** has provided the plague of global militarism with the most powerful and effective military industrial complex. **Military 'democracy'** is priority funding the plague of global militarism in dimensionless military budgets and approve its global dominance in **geopolitics of war** for the interests of **ruling unchangeable elite**, which is **less than 1% of the population ("golden percentage")** and receive fantastic

profits from war and military business. All these findings are proved the facts in Chapters 9 and 13 and summarized in Model 24.

For the ruling elite, its geopolitics of war, its military "democracy", military economy and military science became the **absolute ultimate truth that excludes any alternative**. Its war, "democracy", business became "sacred" and "inviolable" for the ruling elite, its "sacred cow." The ruling elite subordinate to this truth power, morality, freedom, media and culture in general, endlessly replicating the violence, death, murder, war crimes and their freedom on all screens, all computer games and in the global information network. The ruling elite accompanies physical destruction of humanity by its cultural, moral and spiritual self-destruction. This trend reached a peak, top and ceiling, which begins an irreversible fall of the ruling elite and degeneration of its morality, science and culture. The objective trend of fall and degradation of ruling militaristic elite is accompanied by alternative trend simultaneous birth and development of peace-building science and culture.

-The first, general, degree of these two trends is the understanding that **"the truth of war is a big lie"** in all senses and respects. A big lie is necessary only to the unchangeable/irremovable ruling elite, a "golden percent", for which the war is the most profitable business. This truth was proved by numerous articles of the GPS book that collected and generalized them, especially in Chapters 9 and 13. The war is an endless lies and continuous propaganda of the ruling militarist downtowns of Washington and NATO to justify all means their geopolitics of war. **With the understanding that the truth of war is lie begins comprehension of military science, culture and "democracy" as an instrument of death and murder, which constitute the essence of militaristic industrial civilization. It determines the fate of military self-destruction of mankind in the interests of only one "golden percent" greed of which does not allow it to understand its harmfulness and for them about that well said Pope Francis.**

When we realized that the truth of war is the truth of lie, which is needed only one "golden percent", than we understand that **the real truth is truth of peace as the truth of life, which is necessary SPHERONS, i.e. 100% of the population**. But its explanation, knowledge and application **requires its own, peacebuilding, science, culture and democracy. They constitute the essence and tools of peaceful harmonious civilization that determines the fate of survival, sustainable development and prosperity of all the peoples of humanity that is not in the interest of 1% but 100% of the population, SPHERONS**. This requires a fundamentally different, peacebuilding uniting people in all spheres of social life, especially in the spiritual culture defining people's minds. **The spiritual culture should direct people for peace, not for war. For this it must have as uniting intellectual center the objectively justified Global Peace Science (GPS), the birth of which for more than two centuries lagged behind the birth of military science in 1799 (Chapter 12). The GPS discipline born in the scientific revolution, in revolution of thinking making theoretical breakthrough of human cognition within own social nature in its deepest harmonic structure, generating global peace, the causes and actors which are still unknown to humanity.**

GPS starts with the goal of creating an integrated scientific picture of the peacebuilding world order as an alternative to the traditional order of perpetual war **with its obvious unfair division of people on the 99% "cannon fodder" and one "golden percent"**. This division in fact and law is legislated in the deadly "democracy" of continuous wars in unlimited right of "free and sacred" private property. **GPS begins with definition of the formula for global peace** that cannot be built on violence, on the unfair division of people on private property, condemns people to war, to greed, to any crime for

the sake of maximizing private wealth, the most effective growth which provides the wars and all that associated with them. **Therefore GPS takes the alternate original peace formula long known the best thinkers of humanity, since Numa Pompilius: "Peace from Harmony", on the basis of social harmony and through it.** But this formula is the fruit of intuition, not a scientific theoretical thinking. Moving it to the scientific plane begins with the discovery of social source of harmony and peace –**with discovery of four harmonious classes of the population employed in four spheres of social production –SPHERONS**, which are the objective actors of global peace. On this basis was created the first and most brief scientific formula for peace: "Peace from Harmony of SPHERONS." (Chapter 1).

The scientific spherical division of the population by SPHERONS **eliminates the traditional spontaneous division of people into 99% of "cannon fodder" and 1% of "gold public."** It eliminates the traditional militarist "democracy" of death and creates a fundamentally new, peaceful (spherical) democracy of life instead of the "democracy" of war. **The spherical democracy or democracy of SPHERONS shares the power and wealth equally between these harmonious by nature, friendly and peaceloving classes.** Equal distribution of power and wealth among SPHERONS does not exclude but presupposes and preserves the individual differences by these resources in the extent determined by spherical consensus and **eliminates the insurmountable disharmonious abysses feeding mutual hostility, antagonism and war.** Each SPHERON is empowered the right of equal control over others that will provide the healing of power from its traditional incurable pathologies: corruption, abuse of power in private interests, striving for total domination and militarism and etc. Spherical division of the population and its constituting in democratic government of SPHERONS will **eliminate the need for the military, violent solutions for all social, economic, political and cultural issues, giving them only a peaceful, harmonious solution** that will be the foundation for a gradual general and complete disarmament at 2% per year for all countries without exception (Chapter 8).

The formula "peace from harmony of SPHERONS" determines the social foundation of global peace –harmony and its reasonactor –harmonious classes of the population – SPHERONS(100% of the population) creating a **global nonviolent Peacebuilding Front (Chapter 8.25) to overcome militarism and terrorism of irremovable ruling elite** (about 1% of the population). But this formuladoes not reveal the ways and means of building global peace. The GPS entire book is devoted to the disclosure of its ways and means, through which the global peace formula is unfolded. In the final version, it is expressed as follows: "*Global peace consciously comes (is built, created, ensured, guaranteed etc.) from harmony of SPHERONS in their spherical democracy and economy via science, education, religion, arts, journalism, through the culture in general, nonviolently overcoming militarism and terrorism of irremovable ruling elite ("golden percent") by Peacebuilding Front of SPHERONS, 100% of the population, which wants to live but not to die in the endless wars of elite. Center for Global Peace of SPHERONS and common cultural path to it uniting all other ways is Global Peace Science (GPS). It opens the Era of Peacefulness in history since 2016.* GPS was completed in 2015 by 174 coauthors from 34 countries in result of the Global Harmony Association work almost eleven years. But GPS needs continuous further development." Gandhi succinctly defined the like formulas as: "*Truth is one, ways are many.*" Visually this formula is expressed in the model 24 of Tetranet thinking (Chapter 13.23).

Naturally, **GPS as the truth of life and peace will be rejected by the irremovable ruling elite (by "golden percent") as a dissent, contrary to its fundamental interests;** it will be ignored, persecuted and suppressed its power. But GPS as the truth of life and peace will be recognized (sooner or later) by SPHERONS, the entire population, which wants to live in peace and not to die in endless wars of the irremovable ruling elite.

-GPS allows us to formulate **the ten major sociological and simultaneously peacebuilding Goals of Millennium**: 1. SPFERONS, 2.SOCIONOME, Social Genome and Tetramathematics of social harmony, 3. Spheral Democracy (Democracy of SPHERONS) together with children's suffrage, 4. Architecture of global peace, 5. Geopolitics and Constitution of global peace, 6. Economy of global peace, 7. Global harmonious education based on GPS, 8. Interfaith harmony of global peace, 9. Humanitarian technologies of global peace, 10. Synthesis of Social Sciences based on GPS. Each of these problems found in the book one or another fist definition and disclosure that put the beginning of their endless scientific research. GPS concentrates in the "*tightly packed kind*" of SPHERONS the formerly known, which finds "*tocsin sounding*" [14] (V. Nalimov, *Spontaneity of Consciousness*, 1989). **GPS is a scientific and philosophical peacemaking tocsin of the 21st century.**

The GPS distinctive philosophical attributes are as follows:

1. This is pluralistic, not monistic philosophy, almost all of which are militancy,
2. This is harmonious philosophy that defines harmony as a source of life and peace,
3. This is spheral philosophy and thinking distinguishes the sphere as the main structural element,
4. **This is four-dimensional philosophy and tetranet thinking** defining four necessary and sufficient spheres of life, world and peace. These and other attributes of the GPS philosophy are disclosed in this and previous author's works (see Bibliography).

Nobel Peace Prize Laureate Prof. Avery of Copenhagen brilliantly expressed the systemic crisis of militaristic industrial civilization and the necessary to replace it: "*We need system change, not climate change! We need a new economic system, a new society, a new social contract, a new way of life. Here are the great tasks that history has given to our generation: We must achieve a steady-state economic system. We must restore democracy. We must decrease economic inequality. We must break the power of corporate greed. We must leave fossil fuels in the ground. We must stabilize and ultimately reduce the global population. We must eliminate the institution of war. And finally, we must develop a more mature ethical system to match our new technology.*"[15] GPS is the holistic response to all these challenges by revolutionary nonviolent paradigm of global harmonious civilization as a system change of dying militaristic civilization. **GPS unites and solves these problems through decision of priority problem of global peace represented in this book.**

All the GPS above scientific and philosophical qualities allow us to estimate it as a powerful and worthy positive alternative to military science and militaristic industrial civilization creating solid spiritual platform for the formation of peacebuilding culture and harmonious civilization as the only justified fate of humanity, providing together with global peace its survival, sustainable development and prosperity of all peoples. Selection of reasonable mankind can be only in this alternative and in this fate. GPS is, in the words of **Einstein**, "*a substantially new manner of thinking*" ensuring the humanity survival, or, in the words of **Vernadsky**, "*the greatest shift of human thought*" or, in the words of **Nalimov**, "*break of the culture*" or, in the words of **King**, "*shift the arms race into a peace race*" that opens before humanity a new, Peaceful Era of history **or Era "To Be!"** The triumph of truth of war and death, **Era "No To Be"**, will change the triumph of truth of peace and life by **Era "To Be!"** Without peace science the triumph of truth of life cannot be. Humanity, ultimately, overcomes temporary "truths" of war as the historical errors and painfully closes to truth of perpetual peace and life. This completes my 40 years searching for the truth of peace.

Dr. Leo Semashko, Editor in Chief, *Global Peace Science* (GPS), dissident for West and East

2. Conclusion. Freedom, Security, Peace and Harmony: Overcoming the Inevitable Barriers. *Chuck Woolery*

The prime directive of all life is to survive and procreate. This generates multiple tensions in the inevitable competition for food, water, space, shelter and a mate. Human coexistence invites additional tensions due to our capacity for thinking and creating mental concepts. **Most concepts do not lead to cooperation.** But cooperation in very large numbers is the primary characteristic that ants, termites, bees and human's share. **Harmony within human groupings remains largely illusive, especially as group numbers and their conflicting concepts increase.** However, for the past few thousand years humans have developed unique rule sets. These group agreements have allowed enormous gatherings to live in relative peace for decades, sometimes centuries. **Harmony was a rarity** and major episodes of brutal violence between separate groups was almost always a given. Now, however, our unprecedented technological capacity of mass destruction dictates that our species align on a single rule set. One allowing all groups and all people to thrive without instigating violence. Harmony could follow, but for now, a world without war would be a glorious and essential achievement for our species. (Emphasis is our – L.S.)

But war isn't our only, or even our greatest source of insecurity. Famine, pandemics, natural disasters and careless or misinformed individuals persistently cause far more death and disability than war. Prevention of, and better preparation for, these and other lethal insults will require massive levels of knowledge and universal cooperation. Think ISIS, Ebola or global warming. If any group or individuals believes they are expendable, the universal cooperation needed to ensure maximum security for cannot be achieved. **So, what humans want and need most is freedom.** Freedom from want, fear, and injustice. Miss one and peace won't come. Each is a historical source of war. Individuals in peace and harmony don't understand why others turn to violence. But fighting for these fundamental freedoms and maximum security from a wide variety of dangers – **is a human imperative.**

Our human minds house one profoundly flawed concept that we must unlearn. The belief that we are independent individuals. We are certainly individuals. But we are never independent. We rely on clean air, water, food, companionship, information, mating and cooperation to survive and sustainably thrive as a species. Peace is possible with our fundamental freedoms ensured. But in a world of over 7 billion individuals with even one mind still infected with the concept of independence, and harmony will remain elusive. **Ultimately, freedom is all we really have.** The freedom to choose a just and universal rule set or continue to suffer the individual consequences. Peace without justice will never yield security. And, justice without a universal freedom from want and fear will never yield maximum security. **Peace cannot reign while injustice remains.** We must remember that happiness is essentially a function of low expectations. And, security is a function of justice. And justice a function of the set of rules that we must align on as a species to maximize our freedoms. This could be a definition of **global harmony** – the harmony of freedom from war, want, fear and injustice.

Chuck Woolery, Former Chair, United Nations Association Council of Organizations, USA

The GPS Editor in Chief note. The author of this conclusion suggested another synthesis for Global Peace Science (GPS), which is not dissonant and resonates with it, lifting the most important issue of value priority in their system. He gives priority not to harmony and to freedom: "**humans want and need most is freedom.**" From this point of view "**harmony was a rarity,**" therefore "**harmony within human groupings remains largely illusive,**" in contrast to the natural harmony of ants, termites, bees, etc. Their harmony is achieved via instinct and for humans besides intuitive harmony **requires conscious harmony**

on the basis of firm scientific knowledge, which was not hitherto. This knowledge was born for the first time only in GPS, in 2015, after more than two centuries after the birth of military science, which fuels the aggressive expansion of wars by ingenious invention of a new weapon. **Peace devoid of science always lost the war. Human of freedom thinks about peace little, badly and weakly, hence peace and harmony remains illusive.**

The ancient Greeks lived and prospered under the banner of harmony, but in modern times the West has replaced it with banner of freedom, the priority of which led it and its 'democracy' to endless wars, especially the US and its NATO after 1945. **The narratives are now going only about new wars.** America as the banner of freedom is the most striking example in the last 70 years. We have a huge list of aggressions and war crimes against humanity of the USA since Hiroshima, but no list of its peace initiatives. The US Congress "freely" declared war on Russia a year ago (Resolution 758) and put NATO troops on the borders of Russia, repeating the sad experience of Hitler. Of course, Russia, taught by this bitter experience does not remain in debt. As a result of this "freedom" humanity stands today on the brink of nuclear war. **Free America does not think about peace, it thinks only of endless wars. It is a proof of insufficient and limited freedom without peace and harmony.** Without them, freedom suppresses their transforming to freedom to kill, to freedom of death, wars and disharmony that is not necessary to mankind. Only within peace and harmony freedom is beneficial, and without them it is suicidal.

In contrast to the freedom, **the value of harmony eliminates harmful extremes and suppression of other values.** Harmony is impossible not only without peace (and vice versa), but without freedom, justice and equality, without their balance. Therefore paradigm of "peace from harmony", launched in GPS, excludes the theoretical possibility of suppression of freedom and human rights. On the contrary, it provides for them the most favorable conditions for development, providing priority to fundamental human right to life (= peace, as the war = death), without which there can be no any human rights and freedoms. As the great Martin Luther King said: "*We must learn to live together as brothers or perish together as fools*". Only through GPS can learn *to live together as brothers*. Brothers do not install missiles and atomic bombs on each other's border *to perish together as fools*. Why America is such a fool? **Maybe boundless freedom and its tyranny make America a stupid and mindless of peace, non-violence and harmony?**

GPS and our discussion of it free us from the militarist folly and give us a reasonable and effective understanding of peace and harmony. **Let's deploy this intellectual debate about the global peace science from harmony primarily in the US as the most aggressive state** in the world and in all countries to free from the tyranny of militaristic thinking. This discussion will arm our minds new science as vaccine and immunity from the plague of global militarism and terrorism. **The main thing is to think about peace**, not about war and weapons. Our GPS is a new impetus and tool of this thinking, which guarantees us peace and harmony. **Let us celebrate the New 2016 Year with this powerful intellectual intent**, guarantying us peace and harmony along with freedom, justice and other values through science. Then peace and harmony become an human imperative like freedom. **Then, instead of irremovable imperial freedom of war will bereign freedom of peace and harmony!** Thanks to Chuck Woolery and our GPS for the beginning of this debate in the new year. It is very important, because the war is on the threshold of not only our countries but the entire world.

December 31, 2015

3. Conclusion. China vs Russia vs USA; XI vs PUTIN vs OBAMA and Peace Result. *Johan Galtung*

My conclusion for Global Peace Science with position of my theory of Peace as its part is the following. From very high up three major countries-states stand out clearly: China, the most populous; Russia, the largest; USA, the most military. With three leaders, Xi, Putin, Obama, with much power on their hands.

And here is the key hypothesis, presumably more right than wrong: **China-Xi: positive peace; Russia-Putin: negative peace; USA-Obama: war.** We have in mind China – also a region – building relations for reasonably mutual and equal benefit with China all over the world, spinning Asia-Europe-Africa together in a road-rail-ship-air Silk network available to all (with major mistakes in the South China Sea).

We have in mind Russia – itself also a region – calling to Russia leaders in violent conflict from all over the world, seeking cease-fires and accommodation (making itself a major mistake in Syria).

And we have in mind USA – more than a state, less than a region – since WWII ended killing more than 20 million people in 37 countries: Afghanistan, Angola, Argentina, Bangladesh, Bolivia, Brazil, Cambodia, Chad, Chile, China, Colombia, Cuba, Democratic Republic of Congo, Dominican Republic, East Timor, El Salvador, Grenada, Guatemala, Haiti, Honduras, Hungary, Indonesia, Iran, Iraq, Israel-Palestine, Korea North-South, Laos, Nepal, Nicaragua, Pakistan, Panama, Paraguay, Sudan, Vietnam, Yugoslavia (James A. Lucas, jlucas511@woh.rr.com; www.popularresistance.org. Not included: daily USA mass shootings). And weaving the world together with the incredible internet (making a major mistake, using it for spying, betraying us all).

We are not selecting the best from some and the worst from others; we know there is more going on. But the idea is not to identify the best and worst of big states, but the roles, games they are playing right now in the state system. States have peculiarities; the **state system** generates roles to be enacted, states are (self-) allocated to those roles, whether they are up to the job or not. **Our task is to explore what happened, how, maybe even why.**

What is Xi, 62, from Beijing, up to? The Weekly Mirror, Kathmandu 11-12-2015: "10 countries on 4 continents, 9 conferences in 2015": Pakistan (50+ cooperation deals); Asia-Africa (Bandung Spirit, 60th Anniversary); Russia-Kazakhstan-Belarus (WWII 70th Anniversary, boycotted by the West); Moscow with Putin (aligning Silk Road Economic Belt and Eurasian Economic Union frameworks); Kazakhstan (aligning development strategies); Belarus (industrial park as model); UN 70th anniversary ("new type international relations based on Win-Win cooperation-Common Destiny for Mankind"); USA (strengthening mutual trust); England (Chinese-French companies building a nuclear power plant in England); Vietnam-Singapore (Win-Win relations in a community of states); G20-APEC (to recover strengthen communication, coordinate macro-policy, open world economy); Johannesburg (15th Anniversary of Forum on China-Africa Cooperation FOCAC, democratizing international relations for more just future); Paris (climate, not zero-sum, fulfilling Beijing's commitments); Heinan (SCO deeper cooperation).

No doubt this also serves China's interests: celebrating others' victories over direct and structural violence (China did not oppose Western colonialism, Japan did), cooperating bi- and multilaterally, reforming the system with Africa; no state excluded, even US win-win.

And Putin, 63, from St Petersburg? Centered on BRICS and SCO much may be secret. But Putin's 8 points on Ukraine are indicative: Federalization of the Ukraine even under the label "decentralization"; Special LNR-DNR status, political authorities not subordinate to Kiev; Full budgetary autonomy; Full freedom to choose official language; Full cultural freedom; The right

to choose the "vector of economic integration; The Ukraine must be declared a neutral state; and All of the above must be explicitly stated in Ukraine's Constitution. A Ukrainian state, federal, neutral, with free choice for the parts of language, culture-religion, economic system, all built into the constitution, with special status for Lugansk-Donetsk. A tricky point. Like Liechtenstein in "Switzerland-Liechtenstein"? Missing: positive peace cooperation between Russia and a possible-probable Ukraine.

Obama, 54, grew up in Honolulu and Djakarta, father from Kenya, mother from Kansas, rooted in three continents. And yet: see above. Obama did not start but inherited the deep US "addiction to war" (William Astore, english@other-news.info 30-06-2015); playing the world sheriff role, with deputies dropping off as the empire declines. The world saw the US role as normal, assuming others to do the same unless deterred by USA. But China and Russia now do something else.

How come? We are not assuming any system wisdom, **but increasing demand for positive and negative peace when major wars threaten.** The Nordics are too small and biased in the China-Russia-USA triangle; no allies with them will do. EU missed the chance, militarily tied to USA, and neo-colonial. **Like Japan did, by not advocating A9 for all.** So, China and Russia filled peace roles generated by US belligerence in space and time. The last decade, but for how long we do not know.

How will this role system evolve? The more belligerent the USA, seeking ever more bases for ever more military power and action, the more demand for positive peace – particularly for mutually beneficial economic deals, and mediation. The more USA excludes China (TPP etc.) and punishes Russia (Ukraine etc.) the more will others be fearful of major wars and be open to the Silk Road Economic Belt and Eurasia.

The USA is separated from most of the world by two huge oceans; sources of security, **and of isolation from Economic Belt and Eurasia.** China fills a vacuum with cooperation, easier than for USA to change dominance, coups and invasions in Latin America to equity and empathy. Hence, USA will still for some time play the war role expected, but against heavy competition from two peace roles if well enacted. USA may try to force them into war for "freedom of navigation" or "for Crimea", but may find few, even no allies after fiascos other places. Saudi Arabian belligerence may cause internal revolt, and Israel may be playing a more clever game buying ISIS with oil via Cyprus-Turkey.

It takes at least two to make wars, and two to make peace. The other side has to play the same role. The question is who will yield to the other, China-Russia to major wars, or the USA to major peace?

The peace roles pay off better economically than the war role. But they are very distant from Trump's and Hillary Clinton's war on Muslims and on Arabs; let alone from the present US Congress. So, Bernie Sanders, here is your big chance in world history: **A USA for peace.** Cooperating, not competing, with both China and Russia.

Dr. Johan Galtung (b. 1930) professor of peace studies is a Norwegian sociologist, mathematician and the principal founder of the discipline of peace and conflict studies. He co-founded the Peace Research Institute Oslo in 1959, serving as its director until 1970, and established the Journal of Peace Research in 1964. He has developed several influential theories, such as the distinction between positive and negative peace, structural violence, theories on conflict and conflict resolution, the concept of peacebuilding, the structural theory of imperialism, and the theory of the United States as simultaneously a republic and an empire. He has mediated in over 100 conflicts between states, nations, religions, civilizations, communities, and persons since 1957. He is author or co-author of more than 1600 articles and over 160 books on peace and related issues. He is founder (in 2000) and rector of the TRANSCEND Peace University, the world's first online Peace Studies University. He is also the founder and director of TRANSCEND International, a global nonprofit network for Peace, he has Right Livelihood Award (also known as Alternative Nobel Peace Prize) and many others awards.

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World Intellectuals Endorse the Importance of Global Peace Science



All of us, without distinction, have great responsibility to build and position ourselves for peace. We have to go different paths that lead us to peace and social justice from social harmony, which has respect for human rights and needs. We can bring everyone love and messages of hope for peace from harmony only through science, which gives one truth for all nations and people. Global Peace Science appeared only in 2015, across more than two centuries after the military science in 1799 inventing new weapons; therefore peace more than two centuries loses to war. The only weapon of global peace is its Science, for which can follow every person, if he/she wants to live in peace and not to die in the war. We must teach it to our children. **Delasnieve Daspert**, Lawyer, Poet, Writer, Peacemaker, Brazil

Global Peace Science opens up before European Union the new opportunities for revival and development on the basis of social harmony and world peace as the unconditional Common Good of Humanity and a key condition for life on Earth. This science animates multiculturalism and tolerance, which without harmony crash down as we see now. Such an initiative can help to overcome this destruction because of the disharmonious state of European society, which is submitted to the hegemony of market and as an appendix of the USA world policy. **François Houtart**, PhD in sociology, Profesor en el Instituto de Altos Estudios Nacionales (I.A.E.N.) de Quito (Ecuador); Professor Emeritus, Catholic University, Louvain, Belgium, World Harmony Creator



Global Peace Science offers the world unique leadership in resolving and hopefully preventing war, terrorism, environmental crisis, economic instability, and genocide through use of a WMD that it can develop from a variety of dual-use technologies. GPScience offers a strategic road map for maximizing human security and individual freedoms via the transformation of global systems and structures by focusing on universal peace from harmony education. An education that is key to overcoming the self-destructive flaws within our human mind those are now threatening our future. Our misplaced value for money, material goods and national independence must be transformed. GPScience recognized the urgency of essential values in sustaining human freedom in peace. **Chuck Woolery**, Former Chair, United Nations Association Council of Organizations, USA

The world needs for harmony becomes more urgent in the face of constant military conflicts. The emphasis on harmony as the paradigm system of human existence disclosed in Global Peace Science (Peacescience) provides rejection from the arms via formation of a new, harmonious, democracy of SPHERONS. Paradigm of spheral democracy on Peacescience base is able to create a new, harmonious dimension of mental and social space, where chaos turns into the cosmos and entropy - in beauty. Militarization destroys the necessary dialogue "I-World" and civilizational thinking. Only Peacescience, to know social harmony, it is aimed at creation of Global Peace Era so necessary to mankind today.



Tatiana Kablova, PhD in Arts, A/Professor, Borys Grinchenko Kyiv University, Ukraine



Global Peace Science is the true spirit of human beings, because it gives them the most important knowledge for social life: the knowledge of cause and creators of global peace, which provide life to people. This knowledge excludes war, which brings to people only death and which is embodied today in the US/NATO villainous New World Order built on aggression, death and militarism. Peacescience opens a **third way** of human development in social harmony. This way is alternative to equally flawed, militarist and economic narrow roads of capitalism and communism. But this way preserves and integrates their achievements in social harmony clearing humanity from militarism and war.

Dr Dr Apostolos John Paschos, Greece

Global Peace Science (GPS) is the first attempt with the help of sociology, philosophy, mathematics and poetry to engender in the sick, evil, mired in wars, disharmonious world the another world bases of Consent, Good, Truth, Harmony, Love, Conscience and Honor. The creators of this science will be proud with their principles of gradual building a harmonious civilization on the basis of ancient knowledge. It is extremely important to keep the continuity of generations in promoting GPS for a better life of all earthlings! As said our great poet **Yevgeny Yevtushenko**: "It does not matter - whether you have the pursuers, but it is important - do you have followers? What is our word, if there, loaded thirst awakening is no hidden the seed of future times - a sacred opportunity to continue?! Create, artist, courage, burn and speak! Let be the word revealed, simple and great, like an apple - with the beginning of the apple trees in the future!". **Yuri Tsybalist**, member of the Writers' Union of Russia





Global Peace Science (Peacescience) from harmony conceptually fills the meaning of humanity security in a whole and the life of every human being with a NEW cultural, moral and spiritual component. It is evolutionarily called to be not only the core of a new civilization but also its conscience. It is well known: "*If the growth rate of the culture behind the growth of the economy, society degenerates.*" This is confirmed by unreasonable behavior and cruelty of "liberal" capitalism. The unlimited **abilities** of a person in conjunction with his **conscience**, based on Peacescience from **Harmony** are able to elevate and meet his **needs**, to give **happiness** to society on the Earth.

Victor Shenyagin, radio engineer, Master of Economics, researcher of harmony, Moscow, Russia

Militarism is the plague of humanity! Global Peace Science is perfectly wonderful original work marking a new era. The evil of violence while confronts its coming. To reduce the power of violence we can only be acting on the minds of young by peacemaking. The Creative Education opposes to the destructive tendencies and, if it will be implemented, will reduce them to zero. The leading role in this process will take Peacescience from social harmony of SPHERONS. We hope that the mind of mankind will win the war and militarism by means of this science.

Henry Skvortsov, Creative Education author, academician of International Academy of Fundamental Education, Professor of System Analysis, PhD in Education, St. Petersburg, Russia



The horror of steadily impending third world war and constantly going local wars must be stopped once and for all. The human must learn to live in peace and harmony with the Universe, God, Nature and with other people. Otherwise, our civilization will be self-destructed. But for adequate "response" to the global "challenge" of our time, humanity needs in uniting idea, humanistic ideal and positive global project. Such an idea, ideal and project carry Global Peace Science. The only question is we have time to bring them to life.

Andrei Smirnov, PhD, member, Methodological Council, Russian Association "Analytics", Great Novgorod, Russia

The Peace from Harmony conception (spherical or SPHERONS' approach) contains a profound meaning: harmonious world of humans is full of energy, ready to bring in the work; but we have to choose a direction, and we need a certain level of freedom, which manifests itself as a will to responsibility (Friedrich Nietzsche) and as well as the will to goodness, truth, harmony, beauty and justice. Freedom does good, beauty, truth by the most important steps of the evolutionary construction of the absolute value of harmony within the universal ideal, the achievement of which is associated with superattractor (Vladimir Bransky). The representatives of St. Petersburg school of social synergy treat with great respect to the Global Peace Science authors. **Sergei Busov**, PhD, Saint Petersburg, Russia.



The nature is fractal at different levels of the organization, and the war is absent in the nature. Maybe here there is a higher harmony and justice of nature? Should not society be fractal and built in the image of the human brain? No coincidence that information networks are now beginning to permeate our lives and in the future they will transform the information society into a harmonious 'nervous' similar society at all levels, from local to global within its one social genome (SOCIONOME) of Global Peace Science. The connectivity growth is a barrier and at the same times a protecting instrument from destruction of society in its disharmony. This tool is social Global Peace Science from harmony, revealing harmonious spherical and SPHERONS fractals of society.

Alexander Savelyev, "Neurocomputers" Journal collaborator, one of the Founders of the World Neurons Society: <http://wwns.org/>, Moscow, Russia

The solution of global demographic problem is impossible at the national level but only at the international and on the basis of scientific, very deep, its social structure of SPHERONS covering the entire population, without exception, in all its ethnic and regional communities. The deep social structure of the population in SPHERONS is disclosed and statistically proven in the first approximation in Global Peace Science. Only it offers a universal approach to the scientific solution of global population problem, because only SPHERONS, most scaled and harmonious subjects of population, armed with a scientific mind and organized at all levels, from local to global in spherical democracy (democracy of SPHERONS) will be able to take under control the growth and regulation of global population. **Gerontologist**

These responses authors are true world intellectuals and thinkers, because they think about the world and at the global level! They think responsibly and on a new, wide, freed from the Procrustean bed of old and moribund ideology of Marxism and liberalism, kneaded by narrow economism and dooming society to eternal disharmony of wars, flagrant inequalities, mutual hostility and violence, but helpless to solve in harmony global problems that they created. These thinkers inspire us. They give us confidence in the ability of humanity to the new, not war, and harmony to solve all his problems by providing it survival, sustainable harmonious development and happiness to everyone. They concern with prosperity not the ruling elite and its "golden billion", increasing wealthy on exploitation of other billions but prosperity of all nations, without exception, via equal for all and vital to all social harmony. **Dr. Leo Semashko**

The world's **Maecenas of Global Peace,**
Dr. Apostolos John Paschos

Physician, Metsovo, Epirus, Greece

Donation for "Global Peace Science" book publication in 2016 is €2400



Dr. Apostolos John Paschos: Doctor of Medicine and Doctor of Nuclear Medicine, physician, philosopher, physician-nutritionist, author, historian, poet, Medicine lecturer, former Lecturer at the Aristotle University of Salonica, Member of Global Harmony Association GHA, Member of 18 scientific societies, Member of the International Society of Greek Writers and Arts, member of Union of Greek Authors, Honorary member of the non-government society for the culture "Argonafes", Member of International Academy "Thea Athina", Accademia Del Fiorino, Accademia Ferdinanda, Societa Storica Catnese and The New York Academy of sciences, Knight of Grace of Malta.

"The man blessed by God is working constantly for any humans on Planet Earth physical and healthy food locally, with love, peace, harmony, healthy quality of life and philanthropy." Dr. Dr. Apostolos John Paschos



Stele of a little girl with the doves of peace and love, ca. 450–440 B.C.

Greek, Parian marble; H. 31 1/2 in. (80 cm)

Fletcher Fund, 1927 (27.45) <http://www.metmuseum.org/toah/works-of-art/27.45>



Eirene & The Infant Ploutos
Eirene (Peace) bearing Plutus (Wealth)

<http://www.theoi.com/Gallery/S17.1.html>

http://commons.wikimedia.org/wiki/File:Eirene_Ploutos_Glyptothek_Munich_219_n1.jpg

The GPS editor in chief comment.

Already ancient Greeks knew that only peace and not war is the source, generator and mother of wealth for all. Conversely, the wealth, economy and growth of well-being are the result, derivative and child of peace but not the war that is only their murderer and a destroyer. Why this obvious truth for almost three thousand years has not found realization in the history of mankind? Because it is extremely complex, holistic and intuitive truth, embracing all peoples of the world are able to realize only via Global Peace Science, which was born and was published only in 2015, in the GHA in Russia. It is necessary to emphasize one more feature: almost all ancient sculptures and temples of peace are forgotten, abandoned and destroyed. This is relation of modern industrial and militaristic civilization to peace. Obviously, it needs a war, not peace

The US/NATO Militarism: Main Obstacle of Global Peace. The Key Sources in Bibliography

America Has Been at War 93% of the Time – 222 out of 239 Years – Since 1776.
The U.S. Has Only Been At Peace For 21 Years Total Since Its Birth

James A. Lucas. *US Has Killed More Than 20 Million In 37 Nations Since WWII*

Carl Herman: *US #1 threat to world peace. 2014 Gallup International poll*

Tom Carter. *The Pentagon's Law of War Manual: A Blueprint for Total War and Military Dictatorship*

Henry Giroux. *The Plague of American Authoritarianism*

Noam Chomsky. *NATO Global Nuclear War with Russia. US and its NATO ... may Spark Nuclear War*

Paul C. Roberts. *Ruin Is Our Future*

Frank Dorrel. *U.S. War Crimes against Humanity. Video Evidence for an International Tribunal*

Robert J. Burrowes. *Terrorism: Ultimate Weapon of the Global Elite*

The Global Peace Science Chapters 9 and 13





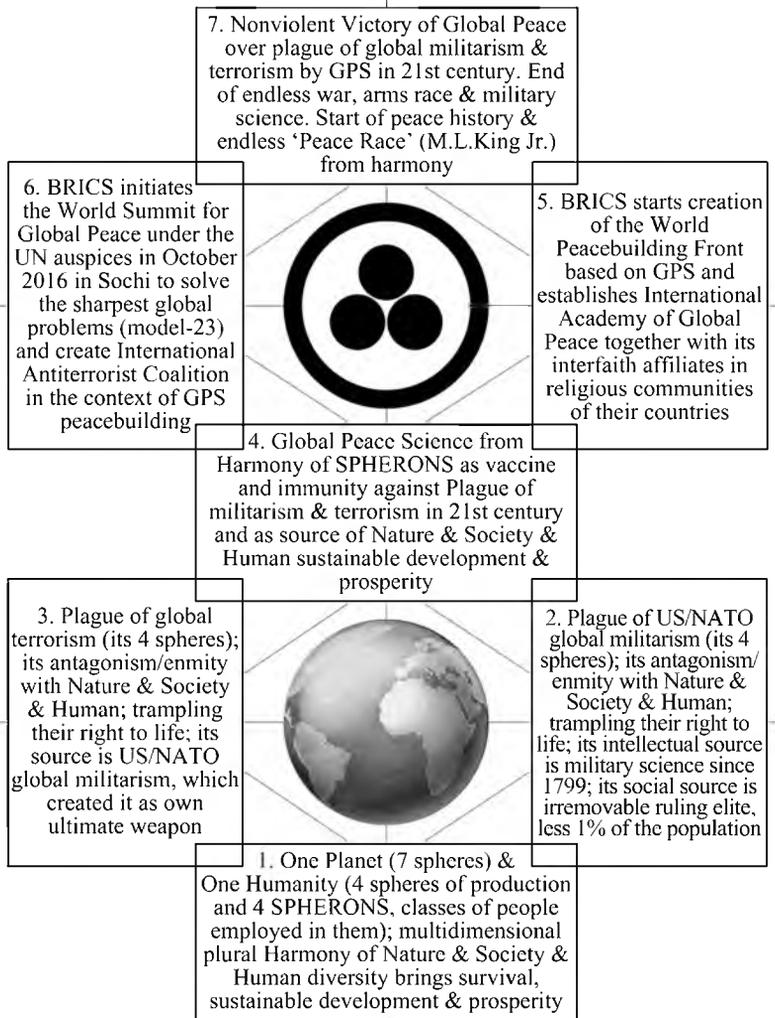
Statue of Liberty as a symbol of unlimited disharmonious freedom became banner of the endless wars, militarism, terrorism and global dictatorship of violence.

Its alternative is emblem of Harmonious Civilization in Global Peace Science and Model-24 below.

The GPS Generalizing Holistic Tetranet Thinking Model-24

Global Peace Science:

Vaccine and Immunity from Global Militarism/Terrorism;
Victory of Peace Soft Force over War. Geopolitics of Peace in the 21st century
(See Chapter 13.23)



The GPS resulting scientific formula of global peace: *Global peace consciously comes (is built, created, ensured, guaranteed etc.) from harmony of SPHERONS in their spherical democracy and economy via science, education, religion, arts, journalism, through the culture in general, nonviolently overcoming militarism and terrorism of irremovable ruling elite ("golden percent") by Peacebuilding Front of SPHERONS, 100% of the population, which wants to live but not to die in the endless wars of elite. Center for Global Peace of SPHERONS and common cultural path to it uniting all other ways is Global Peace Science (GPS). It opens the Era of Peacefulness in history since 2016. GPS was completed in 2015 by 174 coauthors from 34 countries in result of the Global Harmony Association work almost eleven years. But GPS needs continuous further development.01.01.16*

Dr. Leo Semashko and 173 coauthors from 34 countries

Global Peace Science or Peaceloveology, Peacescience: First Common Good and Human Right, Revolution of Social Sciences, Creating Peace from SPHERONS' Harmony and Nonviolent Victory of Peace over War in XXI Century.

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Global Peace Science: Founders

Desiderius Erasmus

1466–1536, Netherlands



Peace is the source of all prosperity for people. War is the main

trouble and unhappiness of people, the prime cause of all ills and evils, criminal case. Christ praised peace and blamed war.

Gottfried Leibniz

1646–1716, Germany



Source of world peace is Divine pre-established harmony.

Harmonization of monads (and people) forces them to restrict each other.

Immanuel Kant

1724–1804, Germany



The guarantee of perpetual peace is nature... as harmony among

men... Nature guarantees perpetual peace by the mechanism of human passions... Perpetual peace among states is not a chimerical.

Mahatma Gandhi

1869–1948, India



First they ignore you, then they laugh at you, then they fight you,

then you win. Non-violence is the greatest force at the disposal of mankind. It is mightier than the mightiest weapon of destruction devised by the ingenuity of man.

Nicholas Roerich

1874–1947, Russia



It is no coincidence that the Russian word mir means both

"Universe" and "peacefulness" at the same time. It is for a reason that these two great concepts are united by one sounding. When you bethink of Universe you imagine peaceful labour. Peace through Culture, and there is no other way. True, high culture brings peace for all the world.

Albert Einstein

1879–1955, Germany



We shall require a substantially new manner of thinking if mankind

is to survive. The significant problems we face cannot be solved at the same level of thinking we were at when we created them. Peace cannot be kept by force, it can only be kept by understanding.

Martin Luther King, Jr.

1929–1968, USA



The greatest purveyor of violence in the world: My own Govern-

ment, I cannot be silent. Love is the only force capable of transforming an enemy into friend. We must learn to live together as brothers or perish together as fools. We must shift the arms race into a "peace race".

Noam Chomsky

1928, USA



US Targeted Killings: What Right Do We Have? On Western

Terrorism: From Hiroshima to Drone Warfare. US and its NATO Intervention Force may Spark Nuclear War. The United States is self-immunized from any prosecution. NATO Global Nuclear War With Russia. US produces New World Disorder. WORLD HARMONY CREATOR

Johan Galtung

1930, Norway



Global peace is not possible without the fall of its main obstacle -

the US militaristic empire. I am happy that my theory of its fall and transformation has become an integral part of the Global Peace Science. I love the US Republic where I have lived much of my life, as much as I hate the US Empire for its violence of all kinds in so many world places.

WORLD HARMONY CREATOR

A. P. J. Abdul Kalam

1931–2015, President of India: 2002–2007



The world needs the great vision of peace and prosperity for all the

nations. Global Peace Science is the dawn of a shining, harmonious vision of peace and prosperity for all the nations! Together with it, the enlightened citizens will emerge, capable of building a harmonious civilization of peace and prosperity on the planet Earth!

WORLD HARMONY CREATOR

Leo Semashko

1941, Russia



Only SPHERONS discovery allowed to create Global Peace Sci-

ence in the strict sense, to integrate the past peacemaking achievements, to unfold peace formula "PEACE comes from Harmony of SPHERONS through science, culture and spherical democracy" and revolutionize social & peace thinking, which lagged behind the military thinking and science for two centuries.

Mairead Maguire

1944, Northern Ireland



The US and the UK committed genocide against the Iraqi people when,

between 1990 and 2012, they killed 3.3 million people – including 750,000 children... NATO should be abolished and that steps be taken towards disarmament through non-violent action and civil resistance... That is why we need to teach the science of peace.

NOBEL PEACE LAUREATE

Military civilizations of the past is Peace from War: "If you want peace – prepare to war" (See the history textbooks)



HARMONIOUS CIVILIZATION
PEACE FROM SPHERONS' HARMONY

Harmonious civilization of the future is Peace from Harmony: "If you want peace – create harmony of SPHERONS" (See the GPS textbook)

GREAT PEACEMAKERS FROM HARMONY IN HISTORY

Numa Pompilius

715–673 BC

The second king of Ancient Rome.

43 years of peaceful ruling.



Plutarch: "He was endowed with a soul rarely tempered by nature, and disposed to virtue, which he had yet more subdued by discipline, a severe life, and the study of philosophy."

"...distinguishing the whole people by the several arts and trades... the new division became a source of general harmony and intermixture".

Ashoka the Great

304–232 BC

He was an Indian emperor of the Maurya Dynasty in India.

26 years of peaceful ruling.



The lethal war with Kalinga transformed the vengeful Emperor Ashoka to a stable and peaceful emperor and he became a patron of Buddhism. He preferred a peaceful overpersuasions to violence.

Daniel of Moscow

1261–1303

He was the youngest son of Alexander Nevsky and forefather of all the Grand Princes of Moscow.



During the Mongol occupation and internecine wars among the Rus' princes, Daniel created peace in Moscow without bloodshed. During 30 years of ruling Daniel participated in battles only once. According to legend, Daniel was popular and respected by his subjects for his meekness, humility and peacefulness.

Mahatma Gandhi

1869–1948

He secured the independence of India by nonviolence.



Non-violence requires a double faith, faith in God and also faith in man.

Seven social sins: politics without principles, wealth without work, pleasure without conscience, knowledge without character, commerce without morality, science without humanity, and worship without sacrifice.

Vladimir Putin

1952

President of Russian Federation.



The right choice... is the choice in favour of peace. We need is an essentially different approach [of] harmonization... harmony. Russia's strength lies in... the harmony of cultures, languages and...all faiths. Paul C. Roberts: "Washington is the Enemy of all Humanity" and "Putin saves the world from nuclear war by not being provocative."

WORLD HARMONY CREATOR

Nursultan Nazarbayev

1940

President of Kazakhstan.



Pope John Paul II: "Kazakhstan is an example of harmony between men and women of different origins and beliefs."

2003: First congress of world and traditional religions in Astana. Eurasian Charter of Peace and Harmony.

2006: II Congress of world and traditional religions in Astana.

WORLD HARMONY CREATOR