

# The U.S. and Europe Must Step Back from the Brink. Insane Governments and the Danger of Nuclear War

We Have Been Driven to the Brink of Nuclear War

By [John Scales Avery](#)

Global Research, April 16, 2018

[Transcend Media Service](#)

Theme: [Media Disinformation](#), [Military Militarization](#)  
and [WMD](#), [US NATO War Agenda](#)

In-depth Report: [Nuclear War](#)

*Several alarming recent events ought to awaken citizens of Europe and the United States to the fact that their insane governments have driven the world to the brink of an all-destroying thermonuclear war.*

Recently Donald Trump has made three highly worrying appointments: He appointed John Bolton as his National Security Advisor. Bolton who has already moved into the White House, is a notorious advocate of war with Iran and with North Korea. He appointed former CIA Director Mike Pompeo as Secretary of State. This appointment has not yet been confirmed by the Senate, so there is still a chance of blocking it. To replace Pompeo as CIA Director, Trump appointed former torture chief Gina Haspel.

Secondly, in what can only be interpreted as an attempt to demonize Russia, The United Kingdom's government under Theresa May claimed that the former spy Sergei Skripal and his daughter Yulia, who were living in the UK, had been poisoned by a Russian nerve agent. The two are recovering. Russia has denied any involvement, and has pointed out if a military grade of the poison had been used, the only kind ever manufactured in Russia, the two victims would be dead. The formula for the poison is well known, and it could have been manufactured anywhere. Thus there is no credible evidence for Russian involvement. Nevertheless Russian diplomats have been expelled from many countries, including 18 European countries, the United States, Canada, Albania, Australia, Macedonia, Moldavia, Montenegro, Norway and Ukraine. The European countries involved are Belgium, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Netherlands, Poland, Romania, Spain and Sweden.

Thirdly, it is claimed that Syrian President Bashar al-Assad used chemical weapons against his own people. As in the Skripal incident, there is no clear evidence that this was not a false flag attack. Assad had no motive to do such a thing.

Perhaps western governments do not really want a catastrophic nuclear war with Russia. Perhaps all they want is a crisis to justify obscenely bloated armament budgets to satisfy the insatiable appetites of military-industrial complexes. But going close the brink involves a non-negligible risk of going over it, because of uncontrollable escalation of a conflict, or because of human error or a technical failure.

The Threat of Nuclear War

As bad as conventional arms and conventional weapons may be, it is the possibility of a

catastrophic nuclear war that poses the greatest threat to humanity. There are today roughly 15,000 nuclear warheads in the world. The total explosive power of the warheads that exist or that could be made on short notice is approximately equal to 500,000 Hiroshima bombs.

To multiply the tragedy of Hiroshima by a factor of half a million makes an enormous difference, not only quantitatively, but also qualitatively. Those who have studied the question believe that a nuclear catastrophe today would inflict irreversible damage on our civilization, genetic pool and environment.

Thermonuclear weapons consist of an inner core where the fission of uranium-235 or plutonium takes place. The fission reaction in the core is able to start a fusion reaction in the next layer, which contains isotopes of hydrogen. It is possible to add a casing of ordinary uranium outside the hydrogen layer; under the extreme conditions produced by the fusion reaction this ordinary uranium can undergo fission. In this way, a fission-fusion-fission bomb of almost limitless power can be produced.

For a victim of severe radiation exposure, the symptoms during the first week are nausea, vomiting, fever, apathy, delirium, diarrhea, oropharyngeal lesions and leukopenia. Death occurs during the first or second week.

We can perhaps be helped to imagine what a nuclear catastrophe means in human terms by reading the words of a young university professor, who was 2,500 meters from the hypocenter at the time of the bombing of Hiroshima: "Everything I saw made a deep impression: a park nearby covered with dead bodies... very badly injured people evacuated in my direction... Perhaps most impressive were girls, very young girls, not only with their clothes torn off, but their skin peeled off as well. ... My immediate thought was that this was like the hell I had always read about. ... I had never seen anything which resembled it before, but I thought that should there be a hell, this was it."

One argument that has been used in favor of nuclear weapons is that no sane political leader would employ them. However, the concept of deterrence ignores the possibility of war by accident or miscalculation, a danger that has been increased by nuclear proliferation and by the use of computers with very quick reaction times to control weapons systems.

Recent nuclear power plant accidents remind us that accidents frequently happen through human and technical failure, even for systems which are considered to be very "safe." We must also remember the time scale of the problem. To assure the future of humanity, nuclear catastrophe must be avoided year after year and decade after decade. In the long run, the safety of civilization cannot be achieved except by the abolition of nuclear weapons, and ultimately the abolition of the institution of war.

In 1985, International Physicians for the Prevention of Nuclear War received the Nobel Peace Prize. IPPNW had been founded in 1980 by six physicians, three from the Soviet Union and three from the United States. Today, the organization has wide membership among the world's physicians. Professor Bernard Lowen of the Harvard School of Public Health, one of the founders of IPPNW, said in a recent speech:

"No public health hazard ever faced by humankind equals the threat of nuclear war. Never before has man possessed the destructive resources to make this planet uninhabitable... Modern medicine has nothing to offer, not even a token

benefit, in the event of nuclear war...

“We are but transient passengers on this planet Earth. It does not belong to us. We are not free to doom generations yet unborn. We are not at liberty to erase humanity’s past or dim its future. Social systems do not endure for eternity. Only life can lay claim to uninterrupted continuity. This continuity is sacred.”

The danger of a catastrophic nuclear war casts a dark shadow over the future of our species. It also casts a very black shadow over the future of the global environment. The environmental consequences of a massive exchange of nuclear weapons have been treated in a number of studies by meteorologists and other experts from both East and West. They predict that a large-scale use of nuclear weapons would result in fire storms with very high winds and high temperatures, which would burn a large proportion of the wild land fuels in the affected nations. The resulting smoke and dust would block out sunlight for a period of many months, at first only in the northern hemisphere but later also in the southern hemisphere.

The danger of a catastrophic nuclear war casts a dark shadow over the future of our species. It also casts a very black shadow over the future of the global environment. The environmental consequences of a massive exchange of nuclear weapons have been treated in a number of studies by meteorologists and other experts from both East and West. They predict that a large-scale use of nuclear weapons would result in fire storms with very high winds and high temperatures, which would burn a large proportion of the wild land fuels in the affected nations. The resulting smoke and dust would block out sunlight for a period of many months, at first only in the northern hemisphere but later also in the southern hemisphere.

Temperatures in many places would fall far below freezing, and much of the earth’s plant life would be killed. Animals and humans would then die of starvation. The nuclear winter effect was first discovered as a result of the Mariner 9 spacecraft exploration of Mars in 1971. The spacecraft arrived in the middle of an enormous dust-storm on Mars, and measured a large temperature drop at the surface of the planet, accompanied by a heating of the upper atmosphere. These measurements allowed scientists to check their theoretical models for predicting the effect of dust and other pollutants distributed in planetary atmospheres.

Using experience gained from the studies of Mars, R.P. Turco, O.B. Toon, T. Ackerman, J.B. Pollack and C. Sagan made a computer study of the climatic effects of the smoke and dust that would result from a large-scale nuclear war. This early research project is sometimes called the TTAPS Study, after the initials of the authors.

In April 1983, a special meeting was held in Cambridge, Massachusetts, where the results of the TTAPS Study and other independent studies of the nuclear winter effect were discussed by more than 100 experts. Their conclusions were presented at a forum in Washington, D.C., the following December, under the chairmanship of U.S. Senators Kennedy and Hatfield. The numerous independent studies of the nuclear winter effect all agreed of the following main predictions:

High-yield nuclear weapons exploded near the earth’s surface would put large amounts of dust into the upper atmosphere. Nuclear weapons exploded over cities, forests, oilfields and refineries would produce fire storms of the type experienced in Dresden and Hamburg after

incendiary bombings during the Second World War. The combination of high-altitude dust and lower altitude soot would prevent sunlight from reaching the earth's surface, and the degree of obscuration would be extremely high for a wide range of scenarios.

A baseline scenario used by the TTAPS study assumes a 5,000-megaton nuclear exchange, but the threshold for triggering the nuclear winter effect is believed to be much lower than that. After such an exchange, the screening effect of pollutants in the atmosphere might be so great that, in the northern and middle latitudes, the sunlight reaching the earth would be only 1% of ordinary sunlight on a clear day, and this effect would persist for many months. As a result, the upper layers in the atmosphere might rise in temperature by as much as 100 degrees C, while the surface temperatures would fall, perhaps by as much as 50 degrees C.

The temperature inversion produced in this way would lead to superstability, a condition in which the normal mixing of atmospheric layers is suppressed. The hydrological cycle (which normally takes moist air from the oceans to a higher and cooler level, where the moisture condenses as rain) would be strongly suppressed. Severe droughts would thus take place over continental land masses. The normal cleansing action of rain would be absent in the atmosphere, an effect which would prolong the nuclear winter.

In the northern hemisphere, forests would die because of lack of sunlight, extreme cold, and drought. Although the temperature drop in the southern hemisphere would be less severe, it might still be sufficient to kill a large portion of the tropical forests, which normally help to renew the earth's oxygen.

The oxygen content of the atmosphere would then fall dangerously, while the concentration of carbon dioxide and oxides of nitrogen produced by firestorms would remain high. The oxides of nitrogen would ultimately diffuse to the upper atmosphere, where they would destroy the ozone layer.

Thus, even when the sunlight returned after an absence of many months, it would be sunlight containing a large proportion of the ultraviolet frequencies which are normally absorbed by the ozone in the stratosphere, and therefore a type of light dangerous to life. Finally, after being so severely disturbed, there is no guarantee that the global climate would return to its normal equilibrium.

Even a nuclear war below the threshold of nuclear winter might have climatic effects very damaging to human life. Professor Paul Ehrlich, of Stanford University, has expressed this in the following words:

“...A smaller war, which set off fewer fires and put less dust into the atmosphere, could easily depress temperatures enough to essentially cancel grain production in the northern hemisphere. That in itself would be the greatest catastrophe ever delivered upon Homo Sapiens, just that one thing, not worrying about prompt effects. Thus even below the threshold, one cannot think of survival of a nuclear war as just being able to stand up after the bomb has gone off.”

**Nuclear Weapons Are Criminal! Every War Is a Crime!**

War was always madness, always immoral, always the cause of unspeakable suffering,

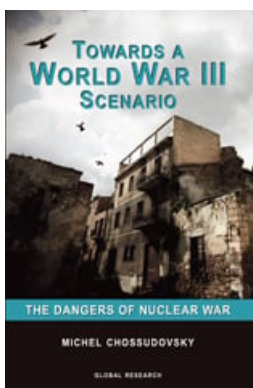
economic waste and widespread destruction, and always a source of poverty, hate, barbarism and endless cycles of revenge and counter-revenge. It has always been a crime for soldiers to kill people, just as it is a crime for murderers in civil society to kill people. No flag has ever been wide enough to cover up atrocities. But today, the development of all-destroying modern weapons has put war completely beyond the bounds of sanity and elementary humanity.

Can we not rid ourselves of both nuclear weapons and the institution of war itself? We must act quickly and resolutely before our beautiful world and everything that we love are reduced to radioactive ashes.

\*

*John Scales Avery, Ph.D., who was part of a group that shared the 1995 Nobel Peace Prize for their work in organizing the Pugwash Conferences on Science and World Affairs, is a member of the [TRANSCEND Network](#) and Associate Professor Emeritus at the H.C. Ørsted Institute, University of Copenhagen, Denmark.*

---



[“Towards a World War III Scenario: The Dangers of Nuclear War”](#)

by Michel Chossudovsky

*Available to order from Global Research!*

ISBN Number: 978-0-9737147-5-3

Year: 2012

Pages: 102

[Print Edition](#): \$10.25 (+ shipping and handling)

[PDF Edition](#): \$6.50 (sent directly to your email account!)

*[Michel Chossudovsky](#) is Professor of Economics at the University of Ottawa and Director of the Centre for Research on Globalization (CRG), which hosts the critically acclaimed website [www.globalresearch.ca](http://www.globalresearch.ca). He is a contributor to the Encyclopedia Britannica. His writings have been translated into more than 20 languages.*

Reviews

“This book is a ‘must’ resource – a richly documented and systematic diagnosis of the supremely pathological geo-strategic planning of US wars since ‘9-11’ against non-nuclear countries to seize their oil fields and resources under cover of ‘freedom and democracy’.”  
–John McMurtry, Professor of Philosophy, Guelph University

“In a world where engineered, pre-emptive, or more fashionably “humanitarian” wars of aggression have become the norm, this challenging book may be our final wake-up call.”

*-Denis Halliday, Former Assistant Secretary General of the United Nations*

Michel Chossudovsky exposes the insanity of our privatized war machine. Iran is being targeted with nuclear weapons as part of a war agenda built on distortions and lies for the purpose of private profit. The real aims are oil, financial hegemony and global control. The price could be nuclear holocaust. When weapons become the hottest export of the world’s only superpower, and diplomats work as salesmen for the defense industry, the whole world is recklessly endangered. If we must have a military, it belongs entirely in the public sector. No one should profit from mass death and destruction.

*-Ellen Brown, author of ‘Web of Debt’ and president of the Public Banking Institute*



The original source of this article is [Transcend Media Service](#)

Copyright © [John Scales Avery](#), [Transcend Media Service](#), 2018

---

[Comment on Global Research Articles on our Facebook page](#)

[Become a Member of Global Research](#)

Articles by: [John Scales Avery](#)

**Disclaimer:** The contents of this article are of sole responsibility of the author(s). The Centre for Research on Globalization will not be responsible for any inaccurate or incorrect statement in this article. The Centre of Research on Globalization grants permission to cross-post Global Research articles on community internet sites as long the source and copyright are acknowledged together with a hyperlink to the original Global Research article. For publication of Global Research articles in print or other forms including commercial internet sites, contact: [publications@globalresearch.ca](mailto:publications@globalresearch.ca)  
[www.globalresearch.ca](http://www.globalresearch.ca) contains copyrighted material the use of which has not always been specifically authorized by the copyright owner. We are making such material available to our readers under the provisions of "fair use" in an effort to advance a better understanding of political, economic and social issues. The material on this site is distributed without profit to those who have expressed a prior interest in receiving it for research and educational purposes. If you wish to use copyrighted material for purposes other than "fair use" you must request permission from the copyright owner.

For media inquiries: [publications@globalresearch.ca](mailto:publications@globalresearch.ca)