

August 6<sup>th</sup>, 2009

## **SCIENTISTS FOR A NUCLEAR WEAPONS-FREE WORLD**

Scientists and engineers bear a heavy burden of responsibility to society for the creation of nuclear weapons.

The immense destructive power of these weapons was demonstrated on the Japanese cities of Hiroshima and Nagasaki, and in over 2,000 atmospheric and underground nuclear tests on the lands of indigenous peoples.

Thermonuclear weapons are capable of destroying cities, countries and civilization. They could end intelligent life on Earth.

Humanity has been warned again and again of the perils of nuclear weapons and nuclear war.

We recall the Russell-Einstein Manifesto, issued on July 9, 1955. The Manifesto warned, "Here, then, is the problem which we present to you, stark and dreadful and inescapable: Shall we put an end to the human race; or shall mankind renounce war?"

Human fallibility and nuclear weapons are a dangerous and unacceptable mix. We rely upon human theories concerning nuclear weapons, such as the theory of nuclear deterrence, at our peril.

Since Nagasaki, humankind has been spared nuclear war far more by good fortune than by sound planning. This good fortune will not be possible to maintain indefinitely – particularly, as is foreseeable, if nuclear weapons continue to proliferate and fall into the hands of non-state extremist groups.

Nuclear weapons were created by humans, and it is our responsibility to eliminate them before they eliminate us and much of the life on our planet. The era of nuclear weapons must be brought to an end. A world without nuclear weapons is possible, realistic, necessary and urgent.

Therefore, we the undersigned scientists and engineers, call upon the leaders of the world, and particularly the leaders of the nine nuclear weapons states, to make a world free of nuclear weapons an urgent priority.

We further call on these leaders to immediately commence good faith negotiations, as required by the nuclear Non-Proliferation Treaty and the 1996 Advisory Opinion of the International Court of Justice, with the goal of achieving a Nuclear Weapons Convention for the phased, verifiable, irreversible and transparent elimination of nuclear weapons by the year 2020.

Finally, we call upon scientists and engineers throughout the world to cease all cooperation in the research, development, testing, production and manufacture of new nuclear weapons.

## SCIENTISTS FOR A NUCLEAR WEAPONS-FREE WORLD – FIRST SIGNATORIES TO DATE (August 5<sup>th</sup>, 2009)

**Prof. Dr. Peter C. Agre,**

Nobelpreisträger für Chemie (2003), USA

**Prof. Dr. Abhay Ashtekar,**

Direktor des Instituts für Gravitationsphysik und Geometrie an der Pennsylvania State University, India / USA

**Prof. Dr. Günter Blobel,**

Nobelpreisträger für Physiologie/Medizin (1999), USA

**Reiner Braun,**

Geschäftsführer der deutschen Sektion der International Association of Lawyers against Nuclear Arms (IALANA) und Kampagnen-Koordinator von INES, Germany

**Prof. Dr. Elias J. Corey,**

Nobelpreisträger für Chemie (1990), USA

**Mairead Corrigan-Maguire,**

Nobel Peace Prize Laureate (1976), UK (Northern Ireland)

**Prof. Dr. Paul Crutzen,**

Nobel Laureate in Chemistry (1995), Germany / Netherlands

**Prof. Dr. Johann Deisenhofer,**

Nobel Laureate in Chemistry (1988), Germany / USA

**Prof. Dr. Hans-Peter Dürr,**

Alternative Nobel Prize Laureate (1987) and former President at the Max Planck Institute for Physics and Astrophysics, Germany

**Prof. Dr. Richard R. Ernst,**

Nobel Laureate in Chemistry (1991), Switzerland

**Prof. Dr. Gerhard Ertl,**

Nobel Laureate in Chemistry (2007), Germany

**Prof. Dr. John Finney,**

Professor of Physics at University College London, Pugwash Council member, UK

**Prof. Dr. Johan Galtung,**

Founder and Director of TRANSCEND International, Alternative Nobel Prize Laureate (1987), Norway

**Prof. Dr. Hartmut Graßl**

Former Director at the Max Planck Institute for Meteorology, German Environment Prize winner (1998), Germany

**Prof. Dr. Paul Greengard,**

Nobel Laureate in Physiology / Medicine (2000), USA

**Prof. Dr. Herbert A. Hauptman,**

Nobel Laureate in Chemistry (1985), USA

**Prof. Dr. Alan J. Heeger,**

Nobel Laureate in Chemistry (2000), USA

**Prof. Dr. Dudley R. Herschbach,**

Nobel Laureate in Chemistry (1986), USA

**Dr. David Krieger,**

Chairman of INES and President of the Nuclear Age Peace Foundation (NAPF), USA

**Prof. Dr. Herbert Kroemer,**

Nobel Laureate in Physics (2000), Germany / USA

**Prof. Dr. Sir Harold Kroto,**

Nobel Laureate in Chemistry (1996), UK / USA

**Prof. Dr. Yuan T. Lee,**

Nobel Laureate in Chemistry (1986), Taiwan

**Prof. Dr. Jean-Marie Lehn,**

Nobel Laureate in Chemistry (1987), France

**Prof. Dr. Rita Levi-Montalcini,**

Nobel Laureate in Physiology / Medicine (1986), Senator for Life in the Italian Senate, Italy / USA

**Prof. Wangari Maathai,**

Nobel Peace Prize Laureate (2004), Kenya

**Dr. Ronald S. McCoy,**

Former Co-president of the International Physicians for the Prevention of Nuclear War (IPPNW), Malaysia

**Prof. Dr. Erwin Neher,**

Nobel Laureate in Physiology / Medicine (1991), Germany

**Prof. Dr. Marshall Nirenberg,**

Nobel Laureate in Physiology / Medicine (1986), USA

**Prof. Dr. Valery S. Petrosyan,**

Professor at Lomonosov State University and Open Ecological University, Russia

**Prof. Dr. Martin L. Perl,**

Nobel Laureate in Physics (1995), USA

**Prof. Dr. John C. Polanyi,**

Nobel Laureate in Chemistry (1986), Canada

**Prof. Dr. Sir Richard J. Roberts,**

Nobel Laureate in Physiology / Medicine (1993), UK

**Prof. Dr. Shoji Sawada,**

Representative Director of Japan Council against A & H Bombs, Japan

**Prof. Dr. Jack Steinberger,**

Nobel Laureate in Physics (1988), USA

**Dr. Mark Byung-Moon Suh,**

Political Scientist, Pugwash Council member, South Korea

**Dr. Jakob von Uexküll,**

Founder of the Right Livelihood Award (Alternative Nobel Prize) and initiator of the World Future Council, Sweden / Germany

**Prof. Dr. Martinus J.G. Veltman,**

Nobel Laureate in Physics (1999), Netherlands

**Prof. Dr. John E. Walker,**

Nobel Laureate in Chemistry (1997), UK

**Prof. Dr. Ernst-Ulrich von Weizsäcker,**

Founder and former President of the Wuppertal Institute, Club of Rome member, Germany

**Prof. Dr. Kurt Wüthrich,**

Nobel Laureate in Chemistry (2002), Switzerland

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**I support the petition 'Scientists for a Nuclear Weapons-Free World' with my signature.**

**Name:** ..... **Country:** .....

**Profession:** ..... **E-mail:** .....

**Please return this form to Reiner Braun or send / fax it to [hr.braun@gmx.net](mailto:hr.braun@gmx.net) or +49 (0)30 21 23 40 57**