

September 22, 2022

President Joseph R. Biden, Jr.  
The White House  
1600 Pennsylvania Avenue  
Washington, D.C. 20500

Mr. President,

We, the undersigned members of religious communities, strongly support your recent statements on the necessity for negotiations on nuclear arms control and the recent agreement with Russia to pursue such negotiations. We urge that they begin as soon as possible

We believe that the time is long overdue for the elimination of nuclear weapons, and we believe that two recent developments make it essential that the issue receive prompt and urgent attention:

First, we are deeply concerned that the danger of nuclear war is growing. Since the Russian invasion of Ukraine, nuclear threats and rhetoric have reached levels not seen since the early days of the Cold War. All but one of the arms control treaties between the United States and Russia have expired or been terminated. All of the nuclear weapon states are modernizing their arsenals. Advances in military technology are shortening warning and decision times, thus increasing the danger of nuclear war by accident or by response to a false alarm. The Secretary General of the United Nations has said that humanity is “one misunderstanding, one miscalculation from nuclear annihilation.”

Second, two scientific studies released this summer found that, in a nuclear war, hundreds of millions of deaths from blast, fire and radiation would be just the beginning of the horrors unleashed. In a model of a full scale war between the United States and Russia<sup>1</sup>, climate scientists Lili Xia, Alan Robock and their colleagues calculate that five billion people would subsequently die from hunger as soot and smoke from nuclear firestorms blocked sunlight, causing drastic temperature drops and massive crop failures. The climate effects of even a smaller nuclear war between India and Pakistan were projected to cause two billion deaths from hunger. A separate study of nuclear climate effects on the ocean<sup>2</sup> found that, in addition to the crop failures mentioned above, “the nuclear cooling event” would decimate marine life and cause massive expansion of sea ice, ushering in a “Nuclear Little Ice Age.” Climate models indicate

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<sup>1</sup> Xia, Lili, Alan Robock, Kim Scherrer, Cheryl S. Harrison, Jonas Jägermeyr, Charles G. Bardeen, Owen B. Toon, and Ryan Heneghan, 2022: “Global food insecurity and famine from reduced crop, marine fishery and livestock production due to climate disruption from nuclear war soot injection.” *Nature Food*, <https://doi.org/10.1038/s43016-022-00573-0>

<sup>2</sup> Harrison, Cheryl S., Tyler Rohr, Alice DuVivier, Elizabeth A. Maroon, Scott Bachman, Charles G. Bardeen, Joshua Coupe, Victoria Garza, Ryan Heneghan, Nicole S. Lovenduski, Philipp Neubauer, Victor Rangel, Alan Robock, Kim Scherrer, Samantha Stevenson, and Owen B. Toon, 2022: “A new ocean state after nuclear war.” *AGU Advances*, **3**, e2021AV000610, <https://doi.org/10.1029/2021AV000610>

that the ocean would take many decades to return to normal. Subjecting humanity and the planet to this kind of danger from the threat of nuclear weapons is not only a flagrant violation of international law but also an affront to human decency and the values of the world's religious traditions.

We affirm the view previously expressed by religious authorities that nuclear weapons are inherently immoral because of their horrific and indiscriminate effects on civilians and on the environment. Similar statements have also been made by, among others, the International Court of Justice and the International Red Cross/Red Crescent.

Under the Nonproliferation Treaty the nuclear weapons states have committed themselves to negotiating nuclear disarmament and the elimination of their arsenals, but they appear to have relegated the achievement of that goal to an uncertain date in the distant future, perhaps not within the lifetime of present government leaders. The peril created by nuclear weapons makes such indefinite delay morally unacceptable.

Several times already the world has come within minutes of accidental nuclear war through human or computer error, and at least one of these incidents occurred years after the end of the Cold War. New delivery systems, which are more rapid and harder to detect, are shortening warning and decision times, thus increasing the danger of war by accident or miscalculation. Weapons with greater accuracy and lower yield risk lowering the threshold for actual use. Several past nuclear false alarms have been resolved by human judgment, and increased reliance on automation can introduce new points of vulnerability.

Delay also increases the danger of nuclear proliferation. Under the Non-proliferation Treaty, which entered into force more than fifty years ago, the non-nuclear weapons states agreed not to acquire these armaments in exchange for a commitment by the nuclear powers to negotiate genuine disarmament. Continuing delay in meeting that commitment is placing increased pressure on the entire non-proliferation regime.

In addition to the dangers of accidental war, terrorism, and proliferation, it would be unwise to ignore the risk that confrontation among nuclear powers could escalate out of control. It is sobering to recall that in World War I the world's major powers drifted and blundered into a war which none of them wanted and which was ruinous for all of them.

Mr. President, for the sake of the entire human family, we urge you to press for the resumption of arms control negotiations without further delay.

Respectfully,

Signatories list follows, pages 3-5

Rev. Michael Neuroth, Policy Advocate for International Issues  
**United Church of Christ, Justice and Witness Ministries**

Rev. Dr. Susan Henry-Crowe, General Secretary  
General Board of Church and Society  
**United Methodist Church**

Rebecca Blachly, Director, Office of Government Relations  
**The Episcopal Church**

Jimmie Hawkins, Director, Office of Public Witness  
**Presbyterian Church US**

Antonio Kireopoulos, Associate General Secretary  
**National Council of Churches**

Johnny Zokovitch, Executive Director  
**Pax Christi USA**

Susan Gunn, Director  
**Maryknoll Office for Global Concerns**

Fr. Francis J. Breen, UN Representative  
**Maryknoll Fathers & Brothers**

Sister Joetta Venneman, Office of Social and Environmental Justice  
**Sisters of Charity of Nazareth Congregational Leadership**  
**Sisters of Charity of Nazareth Western Province Leadership**

Rabbi Arthur Waskow, Director  
**The Shalom Center**

Rabbi Elyse Wechterman, Executive Director  
**Reconstructionist Rabbinical Association**

Rabbi Jonnah Dov Pesner, Director  
**Religious Action Center of Reform Judaism**

Rabbi Burton Visotzky, PhD  
Appleman Professor Emeritus  
**Jewish Theological Seminary**

Bruce Knotts, Director  
**Unitarian Universalist Association office at the UN**

Glen Guyton, Executive Director  
**Mennonite Church USA**

Danny Hall, Director  
Office of Public Affairs  
**Soka Gakkai International-USA**

The Rev. James Ishmael Ford  
Founder, **Empty Moon Zen**  
Guiding Teacher Emeritus, **Boundless Way Zen**

Lama Surya Das, Founder and Spiritual Director  
**Dzogchen Center and Foundation**

Imam Saffet A. Catovic, Head  
Office for Interfaith, Community Alliances, and Government Relations  
**Islamic Society of North America**

Oussama Jamal, Executive Director  
**US Council of Muslim Organizations**

Dr. Gopal Patel, Director  
**Bhumi Global**

Sara M. Nelson, Executive Director  
**The Romero Institute**

Rev. Stephen Avino, Executive Director  
Jonathan Granoff, Ambassador for Peace, Security and Nuclear Disarmament  
**Parliament of World Religions**

Tarunjit Butalia, Executive Director  
**Religions for Peace**

The Very Reverend Kelly Brown Douglas  
Dean, **Episcopal Divinity School at Union Theological Seminary**  
Bill and Judith Moyers Chair in Theology, **Union Theological Seminary**

Rev. Dr. Serene Jones, President  
and Johnston Family Professor for Religion and Democracy  
**Union Theological Seminary**

Gregory E. Sterling  
The Reverend Henry L. Slack Dean  
The Lillian Claus Professor of New Testament  
**Yale Divinity School**

Rev. Dr. Kah-Jin Jeffrey Kuan, President  
Professor of Hebrew Bible  
**Claremont School of Theology**

Br. Kevin Cawley, Executive Director  
**The Thomas Berry Forum for Ecological Dialogue at Iona College**