

# 100 SECONDS TO MIDNIGHT

VOICES Grassroots Advocacy Table



## Part I – Reflection Resources: Pray, Study, Act Guide

### A. Sampling of Prayers

1. "The Nuclear Prayer" – Rt. Rev. Bill Swing. The video at <https://www.uri.org/uri-story/20160707-nuclear-prayer-videos> was recorded when the Doomsday Clock was set at 3 minutes to midnight, and features William J. Perry, former Secretary of Defense; George P. Shultz, former Secretary of State; Dr. Sidney Drell, Professor Emeritus at the Stanford Linear Accelerator; Amb. James E. Goodby, former Strategic Nuclear Arms Negotiator with the U.S.S.R.; Amb. Thomas Graham, Jr., former Senior U.S. Diplomat; Jonathan Granoff, President of the Global Security Institute; Monica Willard, URI Representative to the United Nations; The Rt. Rev. William E. Swing, former Episcopal Bishop of California and President & Founder of URI.



The Nuclear Prayer

The Beginning and the End are in your hands,  
O Creator of the Universe. And in our hands you  
have placed the fate of this planet. We, who are  
tested by having both creative and destructive  
power in our free will, turn to you in sober fear  
and in intoxicating hope.

We ask for your guidance and to share in your  
imagination in our deliberations about the use  
of nuclear force. Help us to lift the fog of atom-  
ic darkness that hovers so pervasively over our  
Earth, Your Earth, so that soon all eyes may see  
life magnified by your pure light.

Bless all of us who wait today for your Presence  
and who dedicate ourselves to achieve your in-  
tended peace and rightful equilibrium on Earth.  
In the Name of all that is holy and all that is  
hoped. Amen.

Written by:  
The Right Reverend William E. Swing  
President and Founder  
United Religions Initiative (URI)

### 2. "Earth Day Prayer", Thursday, April 22, 2021 – Rev. Lauren Van Ham

Creator, Source, Spirit of Life, we call upon the brilliance of evolution, the miraculous force that inspires rocks to become breath. Just as You have turned caterpillars into butterflies, grant us the courage to metamorphose. Awaken in us the curiosity we need to evolve wisely and respond in this present moment. Help us to recognize the actions of our short lives as integral and worthy within the billions of years past and the future generations to come. Cradle us in the cycle of life, so that we might fearlessly embrace and honor, with trust and grace, the sacred processes that carry us through birth, death and rebirth. And finally, please fill us with a generosity like the Sun's so that our activism, practice and efforts might be imbued with endurance and joy.

May Earth and all Creation feel our renewed and ongoing care for Her today.  
In Your many holy names we pray, Blessed Be and So it Is.

### 3."A prayer for our earth "– Pope Francis, Laudato Si'



**A prayer for our earth**

All-powerful God, you are present in the whole universe and in the smallest of your creatures. You embrace with your tenderness all that exists. Pour out upon us the power of your love, that we may protect life and beauty. Fill us with peace, that we may live as brothers and sisters, harming no one.

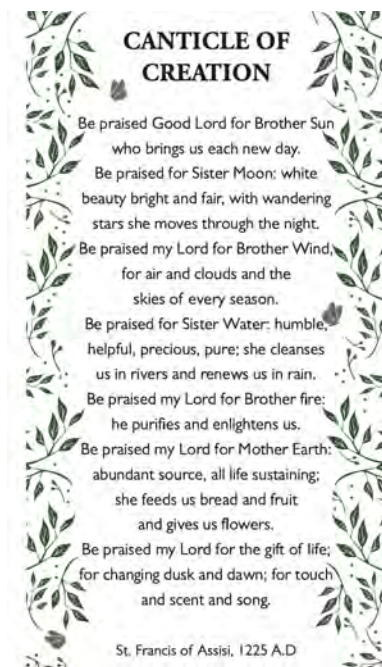
O God of the poor, help us to rescue the abandoned and forgotten of this earth, so precious in your eyes. Bring healing to our lives, that we may protect the world and not prey on it, that we may sow beauty, not pollution and destruction.

Touch the hearts of those who look only for gain at the expense of the poor and the earth. Teach us to discover the worth of each thing, to be filled with awe and contemplation, to recognize that we are profoundly united with every creature as we journey towards your infinite light. We thank you for being with us each day. Encourage us, we pray, in our struggle for justice, love and peace.

– Pope Francis's Laudato Si'

**Catholic Climate Covenant**  
Can No Creation Care for the Poor

### 4. "Canticle of Creation" – St. Francis of Assisi (1225 A.D.) Reinterpreted by the Sisters of St. Francis, Clinton, Iowa and abridged & reproduced by St. Mary's Justice Peace & Integrity of Creation Ministry



**CANTICLE OF CREATION**

Be praised Good Lord for Brother Sun who brings us each new day.  
Be praised for Sister Moon: white beauty bright and fair, with wandering stars she moves through the night.  
Be praised my Lord for Brother Wind, for air and clouds and the skies of every season.  
Be praised for Sister Water: humble, helpful, precious, pure; she cleanses us in rivers and renews us in rain.  
Be praised my Lord for Brother fire: he purifies and enlightens us.  
Be praised my Lord for Mother Earth: abundant source, all life sustaining; she feeds us bread and fruit and gives us flowers.  
Be praised my Lord for the gift of life; for changing dusk and dawn; for touch and scent and song.

St. Francis of Assisi, 1225 A.D

## 5. "That Nagasaki Be the Last Use of a Nuclear Weapon" – Jonathan Granoff

That nuclear weapons never be used again, Oh God, bless and guide us.

To eliminate these devices, the apex of creative evil, and all devices of massive indiscriminate death, please guide us

Each of us came into this world responding to our mother's love

Each came seeking family and love

Each of us became identified with nation, race, gender, religion, and forgot we are one human family and every person is as precious as we are

But still in the stillness in our hearts remains a light of the soul, seeking, resonating and longing for that love that brought us here into this world

That love awakens and informs our universal humanity and awakens hearts without borders

Intelligence has given us insights into the wondrous secrets of matter, energy, space and time

Fear, ignorance, arrogance, pride, hatred and differences have led us to use these insights to create devices of incomprehensible power to inflict indescribable horrific suffering

Please, Dear Lord of All, Creator of every life, every heartbeat, every moment, every leaf, blade of grass, every one of us, and universes and galaxies beyond counting,

Glorious Source of Love and Life, forgive us for forgetting You and Your blessings

Friend within all friendship, Love within all loves, Life within all lives, witness of all and everything, bless us with the wisdom that comes from compassion such that we will skillfully eliminate these devices of death and use the gift of intelligence to serve to heal, sustain, harmonize, understand, and glorify You, our humanity, and honor Your creation

To end the suffering of poverty, to protect nature, to love one another, remove the ignorance from our hearts

Grant us hearts of gratitude, courage, and love such that we will not falter in bringing peace, justice, beauty, and unity to Your human family

Help us eliminate these devices of death and the motives from which we create them  
Please guide us in beautiful ways of peace such that we can be witnesses of Your Goodness

Guide us with compassion, kindness and love that we might become fully human.

All praises are Yours.

Amen.

Jonathan Granoff, President Global Security Institute and Ambassador for Peace,  
Representative to the UN of the World Summits of Nobel Peace Laureates and  
Founding Member of Voices for a World Free of Nuclear Weapons  
[granoff@gsinstitute.org](mailto:granoff@gsinstitute.org)

## 6. "Through the Silence of Nature" -- Hazrat Inayat Khan

Through the silence of nature,  
I attain Thy divine peace.  
O sublime nature,  
in thy stillness let my heart rest.  
Thou art patiently awaiting the moment  
to manifest through the silence of sublime nature.  
O nature sublime, speak to me through silence,  
for I am awaiting in silence like you the call of God.  
O nature sublime,  
through thy silence I hear Thy cry.  
My heart is tuned to the quietness,  
that the stillness of nature inspires.

## 7. Prayer for Disarmament -- Pax Christi Northern California



### Prayer for Disarmament

Breath of All that Is,  
Preserve us from our own madness.  
Direct us away from dealing destruction to others.  
A path which leads to the ruin  
Of our selves and our world.  
Protect us. Help us to hear You.

Jesus Christ, Beloved,  
Show us your precious face in all others,  
You in us, and we in each other, from all places.  
Teach us how to lower our defenses,  
Feed us Love which transcends fear.  
Heal us. Help us to let go of all fear.

Holy Spirit,  
You Call us, in our minds, in our world,  
And through each other. Speak to us, Speak through us.  
When we worship power, control, money,  
When we cannot forgive, or shove pain onto others,  
Call us. Light the fire of Love.

We will not be afraid.  
We will not be afraid.  
Love transcends all fear.  
You Are with us always.

Amen

Produced by Pax Christi U.S. California: "Prayer for Disarmament"  
Visit [www.paxchristi.org](http://www.paxchristi.org) for more information.

## 8. An Ute Prayer- <http://www.sapphyr.net/natam/quotes-nativeamerican.htm>

Treat the earth well.  
It was not given to you by your parents,  
it was loaned to you by your children.  
We do not inherit the Earth from our Ancestors,  
we borrow it from our Children.

## 9. "The Children's Nuclear Prayer" – Voices for a World Free of Nuclear Weapons, recited by Janessa Gans Wilder: <https://www.voices-uri.org/the-nuclear-prayer/>

**10. "Prayer for an End to Nuclear Weapons"** -- Maryknoll Office for Global Concerns from the Center of Concern's Education for Justice Project



**Peaceful God,**

We come to you from the midst of a broken world where nations raise weapons against nations and mothers and children are the innocent victims of violence.

We cry out for peace!

**Wise God,**

Share your wisdom with the leaders of the world who continue to stockpile dangerous weapons, giving other countries the incentive to do the same, despite their commitment to the Nuclear-Non-Proliferation Treaty. We pray for the ability to overcome our brokenness, cooperating, instead of competing, across borders and boundaries.

We cry out for peace!

**God of Comfort,**

It is hard to believe that our own country has refused to ratify the Comprehensive Nuclear-Test-Ban Treaty, weakening its legitimacy and making our world less safe.

We cry out for peace!

**Tender God, Lover of Children,**

It is incomprehensible to us that cluster munitions are still acceptable for use in war, despite the terror they wreak upon unsuspecting children and other civilians during war and for many years afterwards.

We cry out for peace!

**Healing God,**

So many communities have been left in ruins as a result of the destruction of war. We pray for the healing and rebuilding of communities torn apart by war and violence.

We cry out for peace!

God, Father and Mother of this world, we pray that you would inspire us to create a peaceful world. Help us call our leaders to accountability and to remind them that more weapons and war do not bring peace. Make us a peaceful people in a peaceful world. Amen.

## B. Poetry

1. "ANNOINTED" -- Kathy Jetnil-Kijiner: <https://www.youtube.com/watch?v=HuDA7izeYrk>

2. "20,000,000" -- Justine Merritt: <http://www.justinemerritt.net/20.html>

### 20,000,000

The Pentagon says the nation can prevail  
with a loss of 20,000,000 lives;  
constitution, flag prevailing  
after a loss of 20,000,000 lives.  
I asked some friends,  
"But what would that be, 20,000,000 lives" -  
New York, Chicago, Denver,  
Albuquerque, St. Louis and Yarmoth, Maine?  
Georgiana looked up;  
Georgiana looked straight into my eyes;  
"California," she said.  
"That's California."

Do not think of that curved length of coast,  
nor of the desert called Mojave;  
forget rainbowed waterfalls and high Sierras;  
do not remember tide pool, apricot blossom  
nor the seed pod of the artichoke;  
forget pelican, sea lion, whale;  
no recollection of cactus, redwood, vineyard.

Forget what humans have built in a place called  
California;  
a bridge called the Golden Gate,  
the land - Disney,  
the valley - Silicon;  
do not remember sailboat, skate or surfboard;  
no recollection of the missions.

Think only of the teenaged clerk in the  
fast checkout lane,  
the couple in the laundromat,  
the man selling a balloon to someone's  
grandchild,  
the kid who checked the oil,  
the mailman;  
think only of the old, old woman sitting on  
the bench  
along that curved and sanded shore.

20,000,000?  
That's California.

3. "The Original Child Bomb" -- Thomas Merton, narrated by Vincent Di Stefano:  
<https://archive.org/details/ThomasMertonOriginalChildBomb>

#### 4. "Shadow on the Rock" -- Daniel Berrigan, SJ:



### Shadow on the Rock

At Hiroshima there's a museum  
and outside that museum there's a rock,  
and on that rock there's a shadow.  
That shadow is all that remains  
of the human being who stood there on  
August 6, 1945  
when the nuclear age began.  
In the most real sense of the word,  
that is the choice before us.  
We shall either end war and the nuclear arms  
race in this generation,  
or we will become Shadows on the rock.

– Daniel Berrigan, S. J.

#### 5. "100 Seconds To Midnight" – Kel BasAvraham, <https://andifnotnowblog.wordpress.com/>

We look around at a landscape  
Forever altered by the presence of nuclear weapons.  
We stand and wonder,  
Where is our home? And who will lead us there?  
We hear the inexorable ticking of the clock  
As it moves closer to midnight.  
Do not turn away and hide.  
That seems the easy path, but it is futile.  
We must open our eyes, our ears, our hearts, and our minds  
To join together to repair this broken world.  
The varied clothing of our differences-  
Be they religion, skin color, nationality or any other-  
Does not change our relation underneath.  
Everyone is part of the family of humanity.  
Let us choose life, so that all might live.

## C. Visual Arts

### 1. Photography:

#### a. “The Fruit of War” (Pope Francis’ title), Nagasaki, 1945:



#### b. Ambassador Elayne Whyte Gomez, President of the Conference after adoption by 122 states parties of the Treaty on the Prohibition of Nuclear Weapons, United Nations, 07 July 2017:



### 2. Film:

- #### a. “The Beginning of the End of Nuclear Weapons” – Prezenza
- This 56 minute documentary film by Prezenza IPA takes the viewer through a brief history of the bomb and the anti-nuclear activism that has pushed to eliminate them ever since their invention. It moves into a consideration of the humanitarian initiative that successfully challenged the dominant security narrative and the historic steps taken since 2010 to turn the treaty from a dream into a reality. Finally, the film shows what can be done by anyone to help bring the treaty into force and to stigmatise nuclear weapons until they are finally eradicated.

<https://youtu.be/qzWYyYLxIM>

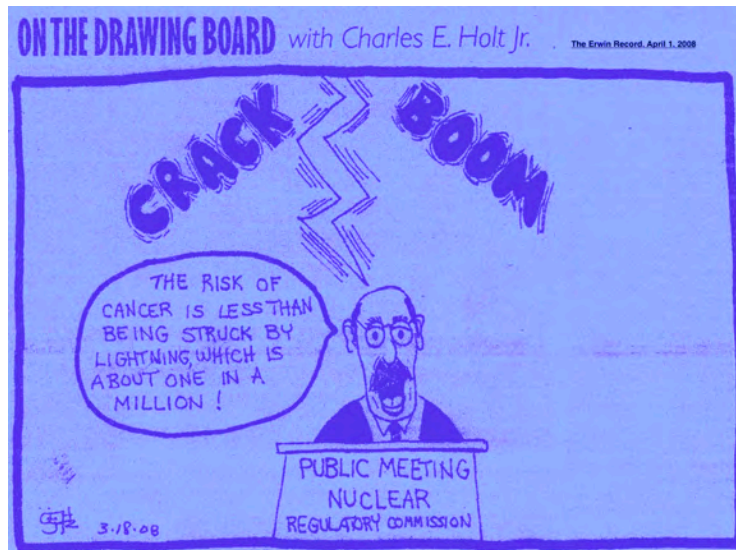




- b. **“The Bomb: Yesterday, Today & Tomorrow”** -- This hour-long film was sponsored by the four most significant and largest interfaith/intercultural organizations in the world: United Religions Initiative, Parliament of the World’s Religions, Religions for Peace, Charter of Compassion. GSI is pleased that its Advisory Board member Mikhail Gorbachev and two members of its project the Nonpartisan Security Group, Ambassadors Thomas Graham and James Goodby, are in this inspiring movie.  
<https://gsinstitute.org/the-bomb-yesterday-today-and-tomorrow/>

## D. Humor

1. Charles E. Holt Jr., **“On the Drawing Board”**, Erwin Record, 01April2008



2. Joel Pett, **“Climate Summit: What if it’s a big hoax and we create a better world for nothing?”**



## E. Song

1. "A World Free of Nuclear Weapons": [https://youtu.be/WURZ\\_kGXjiA](https://youtu.be/WURZ_kGXjiA)

"A World Free of Nuclear Weapons"  
(Written by Pato Banton & The Rt. Rev. William E. Swing)

*"We're Voices For A World Free Of Nuclear Weapons!" Yeah!*

*They say faith without works don't mean a thing  
So you got to BE something and DO something  
If you wanna make this world a better place  
For the entire human race*

May peace on earth prevail today. May peace on earth prevail  
May peace on earth prevail today. May peace on earth prevail

We pray, we pray, each day we pray  
For a world free of nuclear weapons (repeat)

Yes we calling all the leaders of Humanity  
To end this Atomic Insanity  
That threatens our human family  
Jeopardizing our global ecology  
We don't want to see another Hiroshima  
Or a deadly accident either no no no!  
We need a Nuclear Ban  
To protect all future generations

We pray, we pray, each day we pray  
For a world free of nuclear weapons (repeat)

"The Beginning and the End are in your hands, O Creator of the Universe.  
And in our hands you have placed the fate of this planet.  
We, who are tested by having both creative and destructive power in our free will,  
turn to you in sober fear and in intoxicating hope. We ask for your guidance and to share  
in your imagination in our deliberations about the use of nuclear force.  
Help us to lift the fog of atomic darkness that hovers so pervasively over our Earth,  
Your Earth, so that soon all eyes may see life magnified by your pure light.  
Bless all of us who wait today for your Presence and who dedicate ourselves  
to achieve your intended peace and rightful equilibrium on Earth.  
In the Name of all that is holy and all that is hoped. Amen."

Yes we pray, we pray, each day we pray  
Yes we pray, we pray, each day we pray  
Yes we pray, we pray, each day we pray  
For a world free of nuclear weapons!

Tick Tock goes the Doomsday Clock  
But Jah Children no worry bout that  
You see Actions speak louder than words  
And in this Vision we remain undeterred

We gotta let our leaders know “Yow!  
Atomic Bombs are the wrong way to go  
Respect the Nuclear Ban Treaty  
And focus on the poor and needy

We pray, we pray, each day we pray  
For a world free of nuclear weapons (repeat)

Yes we pray, we pray, each day we pray  
Yes we pray, we pray, each day we pray  
Yes we pray, we pray, each day we pray  
For a world free of nuclear weapons!

2. “One More Step” -- Mary-Wynne Ashford: <https://www.youtube.com/watch?v=tRIsbDHvJQk>

3. “Africa Vuka” -- Waka Waka Band: <https://www.youtube.com/watch?v=pQrqxcZDzf8>

4. The Doomsday Clock Playlist – Bulletin of Atomic Scientists: [https://thebulletin.org/doomsday-clock/doomsday-clock-playlist/?utm\\_source=Newsletter&utm\\_medium=Email&utm\\_campaign=MondayNewsletter05102021&utm\\_content=DoomsdayClock\\_Playlist](https://thebulletin.org/doomsday-clock/doomsday-clock-playlist/?utm_source=Newsletter&utm_medium=Email&utm_campaign=MondayNewsletter05102021&utm_content=DoomsdayClock_Playlist)

5. “Down by the Riverside” – Pete Seeger, *Waist Deep in the Big Muddy & Other Love Songs* (1967)

I'm gonna shake hands around the world  
Down by the riverside  
Down by the riverside  
Down by the riverside  
I'm gonna shake hands around the world  
Down by the riverside  
Gonna study war no more.

I ain't gonna study war no more,  
I ain't gonna study war no more,  
I ain't gonna study war no more,  
I ain't gonna study war no more.

I'm gonna lay down those atom bombs  
Down by the riverside  
Down by the riverside  
Down by the riverside  
I'm gonna lay down my sword and shield  
Down by the riverside  
Gonna study war no more.

# 100 SECONDS TO MIDNIGHT

VOICES Grassroots Advocacy Table



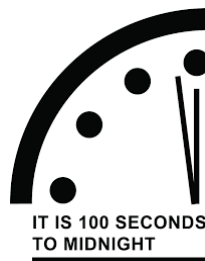
## Part II – Links to Resources: Pray, Study, Act Guide

### A. Counting Down to Doomsday

1. The Climate Clock: <https://climateclock.world/about>



2. “This is your COVID wake-up call: It is 100 seconds to midnight” by Gayle Spinazze, *Bulletin of the Atomic Scientists*, 27 January 2021: <https://thebulletin.org/2021/01/press-release-this-is-your-covid-19-wake-up-call-it-is-100-seconds-to-midnight/>



### B. Moral Statements for Climate Protection and Nuclear Disarmament

**“The use of atomic energy for purposes of war is immoral, just as the possessing of nuclear weapons is immoral. ... May the prophetic voices of the hibakusha survivors of Hiroshima and Nagasaki continue to serve as a warning to us and for coming generations!”**

~~ Pope Francis, Hiroshima, 24 November 2019

1. On Care for Our Common Home
  - a. Laudato Si', Pope Francis, 24May2015: [https://www.vatican.va/content/francesco/en/encyclicals/documents/papa-francesco\\_20150524\\_enciclica-laudato-si.html](https://www.vatican.va/content/francesco/en/encyclicals/documents/papa-francesco_20150524_enciclica-laudato-si.html)
  - b. Laudato Si' Action Platform: <https://laudatosiactionplatform.org/about/>

2. “The Hiroshima/Nagasaki Accord – August 6 & 9, 2020” -- Voices for a World Free of Nuclear Weapons, Religions for Peace, Charter for Compassion & Parliament of the World’s Religions,.: [https://adc2905c-b2b8-43f8-8814-0d9ffadb5df6.filesusr.com/ugd/747fcd\\_ac07ce2d74f145cf8944973d99df0f94.pdf](https://adc2905c-b2b8-43f8-8814-0d9ffadb5df6.filesusr.com/ugd/747fcd_ac07ce2d74f145cf8944973d99df0f94.pdf)
3. Joint Interfaith Statement on the Entry into Force of the Treaty on the Prohibition of Nuclear Weapons – <https://sqi-ouna.org/tpnw-eif-interfaith-statement>

“...The taproot of violence in our society today is our intent to use nuclear weapons. Once we have agreed to that, all other evil is minor in comparison. Until we squarely face the question of our consent to use nuclear weapons, any hope of large scale improvement of public morality is doomed to failure.

“...The nuclear weapons of communists may destroy our bodies. But our intent to use nuclear weapons destroys our souls.” ~ Fr. Richard McSorley: “It’s a Sin to Build a Nuclear Weapon”, Sojourners, February, 1977

4. “It’s a Sin to Build a Nuclear Weapon”, Fr. Richard McSorley, Sojourners, February, 1977: <https://sojo.net/magazine/february-1977/its-sin-build-nuclear-weapon>
5. The Catholic Worker & Plowshares Movements
  - a. “We Go on Record: the CW Response to Hiroshima”, Dorothy Day, The Catholic Worker, September 1945: <https://www.catholicworker.org/dorothyday/articles/554.html>
  - b. Dan Zak, “The Prophets of Oak Ridge”, The Washington Post, 30April2013: <https://www.washingtonpost.com/sf/wp-style/2013/09/13/the-prophets-of-oak-ridge/>
  - c. “Peace Out with Rosie – Interview with Martha Hennessy”, 23Oct2020: [https://www.youtube.com/watch?v=GV4pWqRTc4k&list=PL\\_hAAoZ6si8PHz5BW98eAQQQo7cWCuJfH&index=30](https://www.youtube.com/watch?v=GV4pWqRTc4k&list=PL_hAAoZ6si8PHz5BW98eAQQQo7cWCuJfH&index=30)
6. “Leading Scientists and Catholic Leaders Call on President Biden to Work for a World Free of the Nuclear Threat”, 12May2021: <https://www.belfercenter.org/publication/leading-scientists-and-catholic-leaders-call-president-biden-work-world-free-nuclear>

### C. Treaties, Trust & Common Security

1. “The 75<sup>th</sup> Anniversaries of the United Nations & the A-Bomb, a Timeline of 1945”, WILPF Vermont: <https://www.vtwilpfgathering.com/timeline>
2. **Paris Climate Agreement:** The Paris Agreement charted a new course in the effort to combat global climate change, requiring countries to make commitments and progressively strengthen them. Here’s what the accord seeks to achieve, and why our future may depend on its success. -- <https://www.nrdc.org/stories/paris-climate-agreement-everything-you-need-know>



3. **Treaty on the Prohibition of Nuclear Weapons:** On 7 July 2017 an overwhelming majority of the world's nations adopted a landmark global agreement to ban nuclear weapons, known officially as the Treaty on the Prohibition of Nuclear Weapons (TPNW). It entered into force on 22 January 2021. To find out more about the treaty and the International Campaign to Abolish Nuclear Weapons (ICAN), a coalition of NGOs promoting its adherence to and implementation, visit: <https://www.icanw.org/>.

- a. "A Turning Point in the Struggle Against the Bomb: The Nuclear Ban Treaty Ready to Go Into Effect", Daryl G. Kimball, 27Oct2020: <https://www.justsecurity.org/73050/a-turning-point-in-the-struggle-against-the-bomb-the-nuclear-ban-treaty-ready-to-go-into-effect/>
- b. "Why the United States should support the Treaty on the Prohibition of Nuclear Weapons", William J. Perry, 22Jan2021: <https://thebulletin.org/2021/01/why-the-united-states-should-join-the-treaty-on-the-prohibition-of-nuclear-weapons/>

#### 4. Common Security

- a. "Pacta Sunt Servanda: Nuclear Weapons and Global Secure Sustainable Development", Jonathan Granoff, *Southwestern Journal of International Law*, April 2017: <https://www.swlaw.edu/sites/default/files/2017-04/SJIL%20V21%2C%20N2%207-Pacta%20Sunt%20Servanda-Granoff.pdf>
- b. "THREAT, TRUST & TREATIES" by Rt. Rev. William Swing, 08June 2020: [https://adc2905c-b2b8-43f8-8814-0d9ffadb5df6.filesusr.com/ugd/1a18f1\\_b32376af51ac4c1f930db67c3e125ee6.pdf](https://adc2905c-b2b8-43f8-8814-0d9ffadb5df6.filesusr.com/ugd/1a18f1_b32376af51ac4c1f930db67c3e125ee6.pdf)
- c. "Common Security" by Richard Rhodes: [https://adc2905c-b2b8-43f8-8814-0d9ffadb5df6.filesusr.com/ugd/1a18f1\\_b32376af51ac4c1f930db67c3e125ee6.pdf](https://adc2905c-b2b8-43f8-8814-0d9ffadb5df6.filesusr.com/ugd/1a18f1_b32376af51ac4c1f930db67c3e125ee6.pdf)

### D. Nuclear Test Downwinders

1. "Trinity: "The most significant hazard of the entire Manhattan Project" by Kathleen M. Tucker, Robert Alvarez, *Bulletin of the Atomic Scientists*, 15 July 2019: <https://thebulletin.org/2019/07/trinity-the-most-significant-hazard-of-the-entire-manhattan-project/>



Estimated exposure rate in milliroentgens per hour (mR h<sup>-1</sup>) 12 hours after detonation; GZ = ground zero of Trinity. Source: Centers for Disease Control (2010).

2. Tularosa Basin Downwinders Consortium (TBDC), "Potential Impact of the Radiation Exposure Compensation Act (RECA) Amendments on the Health of the People of New Mexico" <https://www.nmlegis.gov/handouts/RHMC%20103116%20Item%206%20Tularosa%20Basin%20Downwinders%20Consortium.pdf>
3. "'Now I Am Become Death': The Legacy of the First Nuclear Bomb Test" by Maria Cramer, *The New York Times*, 15July2020: <https://www.nytimes.com/2020/07/15/us/trinity-test-anniversary.html>

4. House Judiciary Committee Hearing re Radiation Exposure Compensation Act Amendments, 24Mar2021: <https://www.trinitydownwinders.com/>
5. "A ground zero forgotten: The Marshall Islands, once a U.S. nuclear test site, face oblivion" by Dan Zak, *The Washington Post*, 27Nov2015: <https://www.washingtonpost.com/sf/national/2015/11/27/a-ground-zero-forgotten/>
6. "Climate change is collapsing the U.S.'s nuclear waste tomb in the Marshall Islands" by Vanessa Taylor, 12Nov2019: <https://laudatosiactionplatform.org/about/>

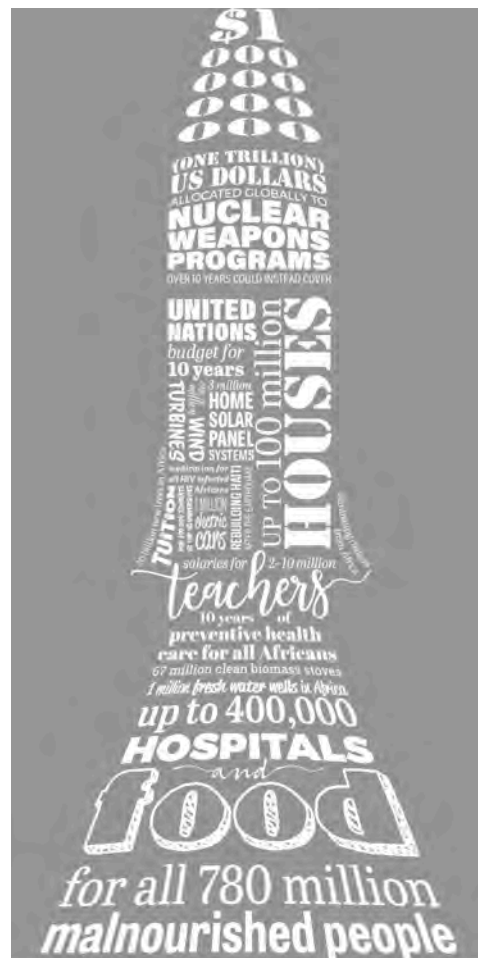
## E. The Opportunity Costs of Nuclear Weapons Programs & Militarism

### 1. Healthcare & Jobs:

- a. Lindsay Koshgarian, "We Don't Need to Raise Taxes to Have Medicare for All", *The New York Times*, 17 October 2019: <https://www.nytimes.com/interactive/2019/10/17/opinion/medicare-for-all-funding-military.html>
- b. ICAN, "Nuclear Spending vs. Healthcare": [https://www.icanw.org/healthcare\\_costs](https://www.icanw.org/healthcare_costs)
- c. Heidi Garrett-Peltier, "Job Opportunity Cost of War", Brown University, 24May2017: <https://watson.brown.edu/costsofwar/files/cow/imce/papers/2017/Job%20Opportunity%20Cost%20of%20War%20-%20HGP%20-%20FINAL.pdf>

### 2. Clean Energy, Water & Air:

- a. Move the Nuclear Weapons Money International Campaign, "Opportunity Costs of Nuclear Weapons Programs": <http://www.nuclearweaponsmoney.org/opportunity-costs/>
- b. Timmon Wallis, PhD, "Warheads to Windmills - How to Pay for a Green New Deal", *nuclearban.us*, 2019: <http://www.nuclearban.us/wp-content/uploads/2019/06/Warheads-Windmills-FINAL-single-file.pdf>



## F. Fact Sheets

1. Alliance for Nuclear Accountability: <https://ananuclear.org/wp-content/uploads/2021/04/ANA-2021-Fact-Sheet.pdf>
2. “What does Y-12 Do?”, OREPA Fact Sheet: <https://orepa.org/what-does-y-12-do/>
3. “TPNW Fact Sheet” by OREPA, Nukewatch & Nuclear Register: <https://orepa.org/wp-content/uploads/2021/01/TPNW-FACT-SHEET-2.pdf>
2. Kings Bay Plowshares 7: <https://kingsbayplowshares7.org/fact-sheet/>
3. Maryknoll Office of Global Concerns:

<https://maryknollogc.org/sites/default/files/article/attachment/electionbrief1nucleardisarmamentweb.4.pdf>

### Nukes By the Numbers

- Nuclear weapons spending in 2021 White House Budget: \$48.7 billion.
- Change from 2020: +19%
- Change in diplomatic budget from 2020 to 2021: -22%
- Projected cost of building and maintaining the U.S. nuclear arsenal for the next 10 years: at least \$500 billion (CBO 2019 estimate adjusted for Trump administration 2021 budget increase).
- For the next 30 years: \$1.5 trillion
- Cost of 100,000 ICU-grade ventilators for COVID-19 treatment: \$5 billion
- Number of U.S. nuclear warheads: Total: 5,800 (1,750 deployed warheads, 2,050 stockpiled warheads (both active and inactive), plus 2,000 retired, intact warheads.) The U.S. and Russia possess approximately 90% of the world’s estimated 13,000 nuclear warheads.

## G. Hot-button Issues

1. No First Use
  - a. “Revisiting the case for no first use of nuclear weapons” by Gareth Evans, Bulletin of Atomic Scientists, 05 May 2021: <https://thebulletin.org/2021/05/revisiting-the-case-for-no-first-use-of-nuclear-weapons/>
  - b. “How Not to Blunder Into a Nuclear War” by William Hartung, Forbes, 09June2020: <https://www.forbes.com/sites/williamhartung/2020/06/09/how-not-to-blunder-into-a-nuclear-war/?sh=7ede62107c7b>



## 2. Nuclear Weapons Modernization

### a. New Intercontinental Ballistic Missiles

(1) Whatever you think ails this nation, a new generation of ICBMs is not the answer” by Tom Collina & William Perry, Washington Post, 17 Nov 2020:

<https://www.washingtonpost.com/opinions/2020/11/17/how-biden-administration-could-create-win-win-situation-nuclear-policy/>

(2) “Why is America Getting a New \$100 Billion Nuclear Weapon?” by Elizabeth Eaves, Bulletin of Atomic Scientists, 08 February 2021: <https://thebulletin.org/2021/02/why-is-america-getting-a-new-100-billion-nuclear-weapon/>

b. Oak Ridge Uranium Processing Facility: [https://orepa.org/upf\\_fact\\_sheets/upf-fact-sheet-6-17/](https://orepa.org/upf_fact_sheets/upf-fact-sheet-6-17/)

### c. New Plutonium Pit Production

(1) “Why a decision on a second US plutonium-pit-production factory should be delayed” by Frank von Hippel, Bulletin of Atomic Scientists, 12 June 2020: <https://thebulletin.org/2020/06/why-a-decision-on-a-second-us-plutonium-pit-production-factory-should-be-delayed/>

(2) “Notice of Filing Action Pursuant to the National Environmental Policy Act-Plutonium Pit Production, South Carolina Environmental Law Project, 20 April 2021:

[https://uploads-ssl.webflow.com/5f2c352f324853b8b51c50db/607f1b8d3dcd9e7a6132fb05\\_4-20-21%20NEPA%20pit%20correspondence.pdf](https://uploads-ssl.webflow.com/5f2c352f324853b8b51c50db/607f1b8d3dcd9e7a6132fb05_4-20-21%20NEPA%20pit%20correspondence.pdf)

d. New Tritium Production at BWXT/Nuclear Fuel Services-Erwin, TN: <https://www.world-nuclear-news.org/Articles/US-awards-HEU-downblending-contract>

## H. Newsletters to Stay Informed

1. VOICES: <https://www.voices-uri.org/newsletters>
2. Rachel Carson Council: <https://rachelcarsoncouncil.salsalabs.org/RCCeNewssignup/index.html>
3. Global Security Institute: <https://gsinstitute.org/subscribe/>
4. Interfaith Power & Light: <https://interfaithpowerandlight.salsalabs.org/websitesignupform/index.html>



Credit: Mary-Paula Cancienne, RSM

“

“Love for society and commitment to the common good are outstanding expressions of a charity which affects not only relationships between individuals but also “macro-relationships, social, economic and political ones.”

# 100 SECONDS TO MIDNIGHT

VOICES Grassroots Advocacy Table



## Part III – Action Opportunities: Pray, Study, Act Guide

**“Call to Action – VOICES Celebration of the TPNW Coming into Force”** by Michael Ramos, Church Council of Greater Seattle, January 22, 2021:

Today, we celebrate the Treaty on the Prohibition of Nuclear Weapons (TPNW) coming into force. Dedicated, wise, morally-committed, spiritually-grounded people like you have made this day possible. Civil society, public servants, elected officials, diplomats, organizations and peoples from all over - devoted to the elimination of nuclear weapons - have risen up as citizens and residents tied together with a global solidarity that says we belong to one precious, fragile, planet, or we cease to exist all together. TPNW suggests there is an alternative path to the proliferation and threat of nuclear weapons and mutually-assured destruction.

Now we take the next step to act, each in our local context. Like drops of water, each of which joins with the next to turn the mill, doing your part is crucial: to bringing more countries into the treaty, to no hair-trigger alert, to stopping first use, to defunding land-based nuclear missiles, to thwarting the modernization and expansion of nuclear weapons systems, to recognizing the humanity in one another regardless of state of origin and to say that All Lives Are Sacred!

Let our vigil inspire us and spread winds of a profound peace with justice. In our ongoing vigilance for life for our planet, let us:

1. Be awake, watch, listen, smell, feel, touch – use all our senses to understand with compassion;
2. Speak the truth of what we know; honor the hibakusha, the Marshallese, the people of Vieques, the downwinders;
3. Overcome fear with love: our securities are bound up together; we are free from the threat of nuclear annihilation when we all are free;
4. Confront the idolatry of nuclear weapons; write a new story of cooperation rooted in civil society and reverencing the integrity of creation;
5. Act boldly with spirit, like our lives depend on it;
6. Be people of peace; see the intersection of systems of oppression and use our power for their transformation;
7. Light candles together; embrace community;
8. Trust that repair of the world is possible and is well under way.

We vigil for the next 7 generations, and the 7 after that. We choose life so that we and our descendants may live. We, who have the capacity to be moved, also have the audacity to act. We are charged to use our civil power to challenge authorities and policies that place faith in nuclear weapons and to build a bridge across borders that honors human flourishing here and there - friend and foe alike - toward a common global future where nuclear weapons are abolished, indeed the only future possible.

“If not us, then who? If not here, then where? If not now, then when?” The global circle of solidarity is larger than when we began. Let us make the circle ever wider, until the promise of a world without nuclear weapons is realized.

## A. Act in Solidarity . . .

1. With the **Trinity Downwinders**: <https://www.trinitydownwinders.com/contact-congress>
2. In your **Congregation**: <https://www.interfaithpowerandlight.org/public-policy/take-action/>
3. With **Indigenous Communities**: #EndNuclearColonialism #StopCanyonMine: <https://haulno.com/take-action/>
4. With **NuclearBan.US** which is committed to using the TPNW and the Paris Climate Agreement as tools to educate and mobilize people across the US to support nuclear weapons abolition and a Green New Deal. <http://www.nuclearban.us/>
5. To **Rebel Against Extinction**: <https://rebellion.global/get-involved/>
6. With your neighbors on the **ICAN Cities Appeal**: All national governments are now invited to sign and ratify the TPNW, which prohibits the use, production and stockpiling of nuclear weapons and lays the foundations for their total elimination. Cities and towns, which are the main targets of nuclear weapons, can help build support for the treaty by endorsing the ICAN Cities Appeal. Find out how your community can support: <https://cities.icanw.org/>
7. To eliminate funding for the **new \$100 Billion nuclear missile**: <https://www.peaceaction.org/2021/03/17/stop-the-new-nuclear-weapons-money-pit-missile/>
8. With your fellow citizens on the **ICAN Parliamentary Pledge**: Any current member of a national, state/provincial or regional parliament or congress may sign to join the global network of parliamentarians committed to getting their government to join the TPNW. As a constituent you have the right to ask your elected representative to join the Pledge and act for nuclear disarmament. <https://pledge.icanw.org/>
9. With our **Common Home**: <https://livelaudatosi.org/>



## *Answering Pope Francis' urgent call in Laudato Si, I pledge to:*

- **Pray for and with creation**
- **Live more simply**
- **Advocate to protect our common home.**

10. Through **Petitions**

- a. To Reverse the Race Toward Mutually Assured Destruction: [https://www.change.org/p/mayors-reverse-the-race-toward-mutually-assured-destruction?use\\_react=false](https://www.change.org/p/mayors-reverse-the-race-toward-mutually-assured-destruction?use_react=false)
- b. In Support of instituting a Policy of No First Use: <https://actionnetwork.org/petitions/sign-the-petition-stop-nuclear-war-congress-must-pass-no-first-use-policy/>
- c. To the Senate to ratify and to the President to sign the Treaty on the Prohibition of Nuclear Weapons: <https://actionnetwork.org/petitions/support-the-nuclear-weapons-ban-treaty>

11. To seek co-sponsors for the **Nuclear Weapons Abolition and Economic and Energy Conversion Act**. The Proposition One Campaign has been working for an end to the whole nuclear era since it was founded in 1990. Prop One was created to bring a voter initiative for global nuclear weapons abolition and conversion of the war machines to provide for the human needs of the people of Washington DC. The concept was proven viable by the victory of [DC Initiative 37](#) in 1993. As a result, the **Nuclear Weapons Abolition and Economic and Energy Conversion Act** has been introduced each session between 1994 and 2021 into the U.S. House of Representatives by DC's Congresswoman Eleanor Holmes Norton. <http://prop1.org/prop1/index.html>

12. With the Kings Bay Plowshares, "25 Things We Can Do in Solidarity with the KBP7": <https://kingsbayplowshares7.org/wp-content/uploads/2020/10/25-Things-We-Can-Do-in-Solidarity-with-the-KBP7-sdearfinal2-101420.pdf>

kingsbayplowshares7.org

**25 Things We Can Do In Solidarity with the Kings Bay Plowshares 7**

**Thank you for supporting the KBP7!**

Fr. Steve Kelly, SJ, and Patrick O'Neill will be sentenced on October 15, 2020 for their nonviolent witness at Naval Base Kings Bay on April 4, 2018. Liz McAlister was sentenced in June. Carmen Trotta, Clare Grady, Mark Colville, and Martha Hennessy are scheduled for sentencing Nov. 12 and 13.

Because of the dangers of COVID-19, the Kings Bay Plowshares 7 and their supporters are asking that instead of coming to Brunswick, GA, for their sentencing that we all take intentional action for peace and a world unbound by nuclear weapons. Like other iconic nonviolent direct actions, Plowshares actions are not about petitioning the government. They are actions of the soul more than of public policy. They involve profound personal sacrifice and radical symbolism, declaring an end to militarism and the poverty, racism, and environmental destruction that accompany it.

Likewise, the KBP7 and their support team encourage you to go deep in reflecting on and acting to transform ourselves and our communities' involvement in the permanent war-profiteering economy we each help sustain. As the KBP7 have experienced and face years in prison, let us face our own participation in the end of the world that Trident missiles and submarines represent.

This list of suggestions is a starting point. Everything underlined is linked to more

**Pray individually.** Pray for an end to nuclear weapons. Pray for transformation of ourselves and our country and world. Pray for an end to militarism and violence in our own hearts, in our homes, on our streets, in our courthouses and state houses, in our national government, and in our military bases around the world.

**Pray for transformation**

**Pray communally.** Ask your faith community and pastoral leaders to place a primacy on leading your community of faith into a new commitment to active nonviolence and new levels of intention for understanding, prayer, and action towards the Beloved Community free from nuclear weapons, imperialism, oppression, and fear. Your denomination likely has statements against nuclear weapons.

**Expand the Circle**

- **Host** KBP7 members and support team speakers with a Zoom webinar.
- **Share the history** of the Plowshares Movement.
- **Hold teach-ins** on Plowshares activists' reasoning, tax resistance, weapons divestment, etc.
- **Donate** to support travel, families support during jail time and legal expenses. Checks can be made out to: Plowshares, PO Box 3087, Washington DC 20010 or donate online.
- **Stay on top** of developments with the KBP7 (their sentencing, where to write them) at [kingsbayplowshares7.org](https://kingsbayplowshares7.org), our Facebook page,

## B. Back from the Brink: The Call to Prevent Nuclear War

As a national grassroots campaign seeking the abolition of nuclear weapons and fundamental change in U.S. nuclear weapons policy, Back from the Brink calls upon the U.S. to enter into negotiations now with the other nuclear-armed states for a verifiable, enforceable, timebound agreement to eliminate their weapons. The campaign also calls on the U.S. to unilaterally adopt several key policies to reduce the danger of nuclear war while these negotiations proceed. You can endorse the call as an organization, or organize in your community to introduce a resolution. <https://preventnuclearwar.org/>

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### Back from the Brink: The Call to Prevent Nuclear War

We call on the United States to lead a global effort to prevent nuclear war by:

1. Renouncing the option of using nuclear weapons first
2. Ending the sole unchecked authority of any president to launch a nuclear attack
3. Taking US nuclear weapons off hair-trigger alert
4. Cancelling the plan to replace the entire arsenal of the United States with enhanced weapons
5. Actively pursuing a verifiable agreement among nuclear-armed states to eliminate their nuclear arsenals

The time is now. Please join us.

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<https://www.ncmedicaljournal.com/content/82/2/151> ; <https://preventnuclearwar.org/our-five-policy-solutions/>



## C. Follow the Money

1. **“Don’t Bank on the Bomb”**: Published by PAX, Don’t Bank on the Bomb provides information on the private companies involved in the production of nuclear weapons and their financiers. The report examines contracts for the production of key components of nuclear weapons and their specifically designed delivery systems. It provides information on the financial institutions seeking to profit from these producing companies. <https://www.dontbankonthebomb.com/>

2. **“Producing Mass Destruction”**: Private companies and the nuclear weapons industry' is part of the Don't Bank on the Bomb project. It shows that nuclear armed governments have awarded contracts to companies including Huntington Ingalls Industries, Lockheed Martin, Honeywell International, General Dynamics and Jacobs Engineering to build nuclear weapons. These companies seek to profit from the production of weapons of mass destruction. <https://paxforpeace.nl/what-we-do/publications/producing-mass-destruction>

## D. Participate

### 1. **Invitation to Endorse: Open Letter to Presidents Putin and Biden in advance of their June 16, 2021 Summit**

[Please do not circulate publicly until released on June 10]

We write to you, world leaders whom we know fully understand the catastrophic humanitarian consequences of any use of nuclear weapons, and the cataclysmic effects on humanity of a nuclear war: the possible end of civilization as we know it.

We are participants of a growing international campaign for a commitment by nuclear-armed states to a policy of no first use of nuclear weapons. We have just completed a number of successful global events, including a two-day conference preparatory to launching this campaign, which have included over 700 participants from Asia, Africa, Europe, Middle East, South America, North America, and the Pacific. Arising from these events is an appeal to you to use your summit to make a mutual bilateral commitment on No First Use (NFU) as a first step to adoption of such a commitment by other nuclear weapon states and to the elimination of all nuclear weapons .

We are mindful that decades ago your predecessors declared “*A nuclear war cannot be won and must never be fought*”. A few years ago, Mr. Biden, you declared in an eloquent speech about the threat of nuclear war, “*If we want a world free of nuclear weapons, the United States must take the initiative to lead us there.*” Similarly, Mr. Putin, you have said “*The understanding that a third world war could be the end of civilization should restrain us from taking extreme steps on the international arena that are highly dangerous for modern civilization.*” The United Nations set the goal to eliminate nuclear weapons in its very first resolution which was adopted unanimously, and reaffirmed this in 2013 by establishing September 26th as the annual *International Day for the Total Elimination of Nuclear Weapons*.

Now is the perfect time for you to declare a joint commitment that your nations **will not use nuclear weapons first under any circumstances**, and to make this a key step toward fulfilling the UN goal to totally eliminate nuclear weapons from the planet. We pledge to you - as legislators, former political/military leaders and representatives of multiple civil movements endorsing this goal - to mobilize civil and political support for your effort.

You should know that such a measure will be supported by most of the other 189 States Parties of the Non-Proliferation Treaty who unanimously agreed in 2010 to support ‘*policies that could prevent the use of nuclear weapons*’ and ‘*to establish the necessary framework to achieve and maintain a world without nuclear weapons*’, and will be strongly supported by the 122 nations that in 2017 approved the Treaty on the Prohibition of Nuclear Weapons.

We believe it is in your hearts to achieve this noble goal. We call on you to initiate this vital step at your summit and to lead us all to a planet free of nuclear weapons.

Sincerely,

[The letter is open for endorsement by legislators, academics, civil society leaders, religious/political leaders and other interested individuals. [Click here](#) to endorse].

## 2. Abolition 2000 Annual General Meeting



[Register here](#)

## 3. “Daniel Ellsberg: Preparations for Nuclear War with China over Taiwan – Then and Now”

Moderated by Joseph Gerson,

June 23, 7 p.m. EDT

Register at: <https://zoom.us/meeting/register/tJrcuGvrDotGNV4Jr-RL6UPQI-yM-2YIDX9>

**“We must all become prophets. I really mean that. We must all do something for peace. We must stop this insanity of worshipping the gods of metal. We must take a stand against evil and idolatry. This is our destiny at the most critical time of human history. But it’s also the greatest opportunity ever offered to any group of people in the history of our world – to save our world from complete annihilation.”**

~~ from “Blessing the Bombs”, [Plough](#), 14July2011, by Father George Zabelka, the Catholic Chaplain who served as a priest for the airmen who dropped the Hiroshima & Nagasaki bombs : <https://www.plough.com/en/topics/justice/nonviolence/blessing-the-bombs>