

# PUBLIC PEACE EDUCATION



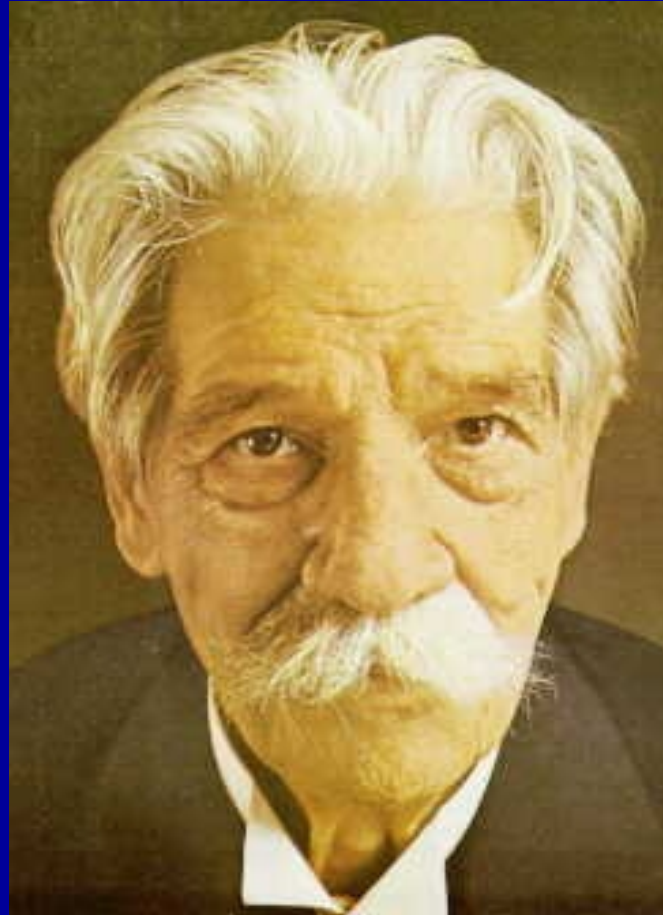
## A THERAPEUTIC APPROACH

Dr Bill Williams

International Campaign to Abolish Nuclear Weapons

[www.icanw.org](http://www.icanw.org)

# ALBERT SCHWEITZER



Declaration of Conscience 1957

# IPPNW: 1985 Nobel Peace Prize

The Nobel Committee commended IPPNW for "*considerable service to mankind by **spreading authoritative information and in creating an awareness of the catastrophic consequences of atomic warfare.***"





*Arnold Schwarzenegger*  
– October 2007

“The most *dangerous consequences* of nuclear weapons are here and now.

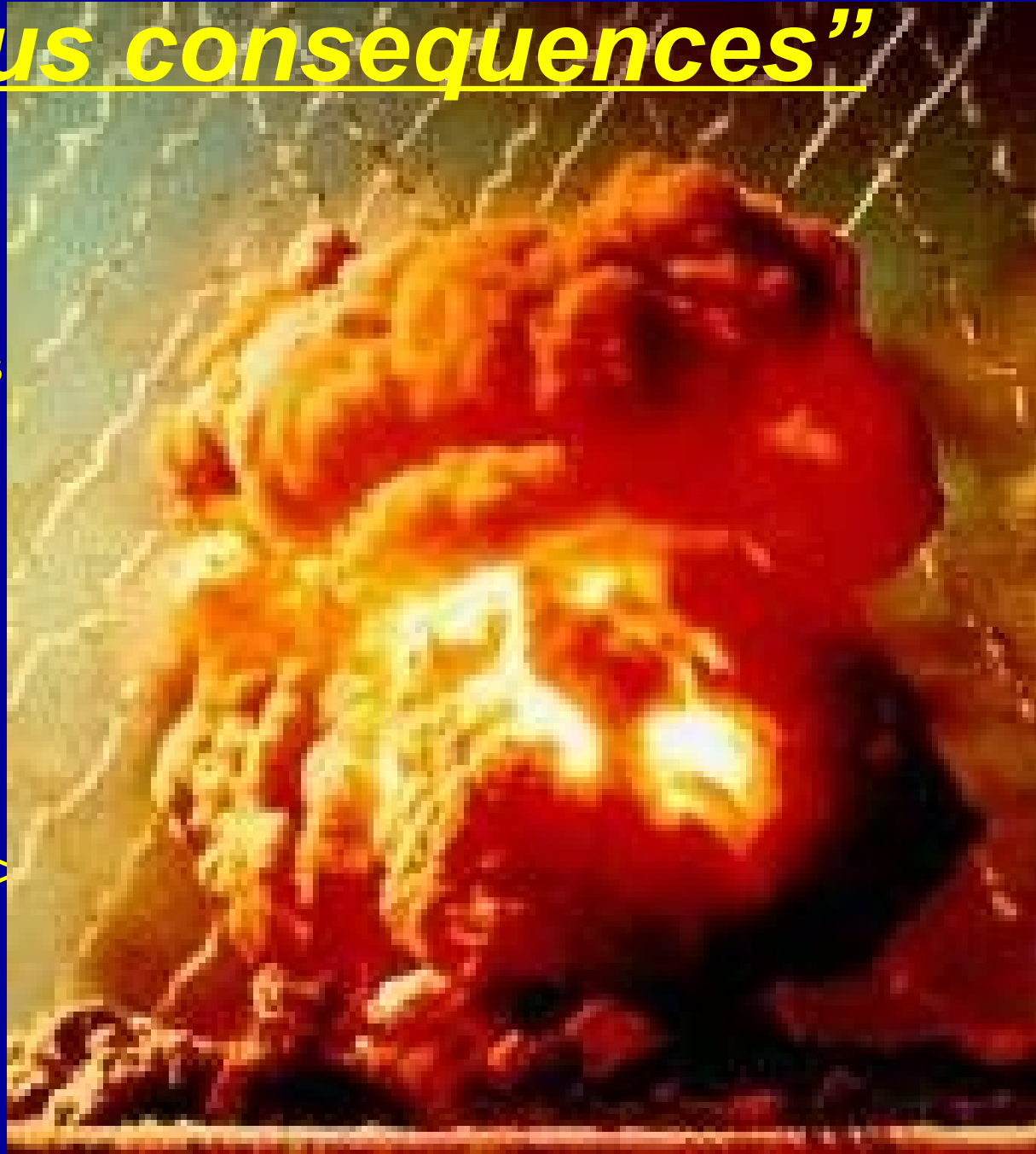
A nuclear disaster will not hit at the speed of a glacier melting.

It will hit with a blast.

It will not hit with the speed of the atmosphere warming but of *a city burning.*”

# “Dangerous consequences”

- Within half a millionth of a second:
  - hundreds of millions degrees centigrade
  - pressures - millions of atmospheres
- Flash >>>
- Fireball >>>
- Blast >>>
- Firestorm >>>
- Acute Radiation >>>
- Delayed Radiation >>>?



# “a city burning”: Hiroshima

**6<sup>th</sup> August, 1945:** only 15 kilotonnes

- Immediate Deaths:  
**140,000**
- Total deaths:  
**237,00** (6/08/04)
- 270,000 *hibakusha*,  
still living in Japan.  
(*Mayor Akiba*)

0665

# ?ANOTHER “city burning”?

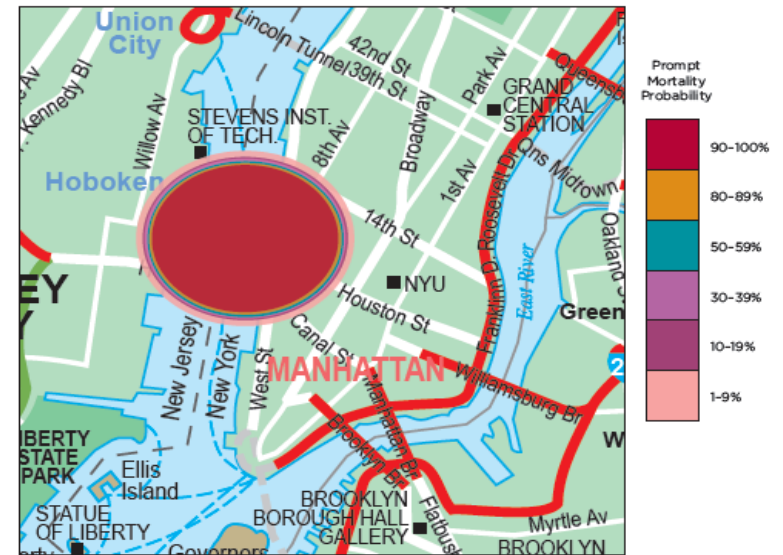
12.5 ktonnes explosion:  
New York City

## ‘MEDICAL MESSAGE’:

...DON’T BOTHER  
RINGING NOTARZT!

- responder access
- essential services
- medical supplies
- hospital facilities
  - Helfand et al, BMJ

Figure 1: Blast Radius and Prompt Mortality from a 12.5 kiloton Bomb Explosion in New York City



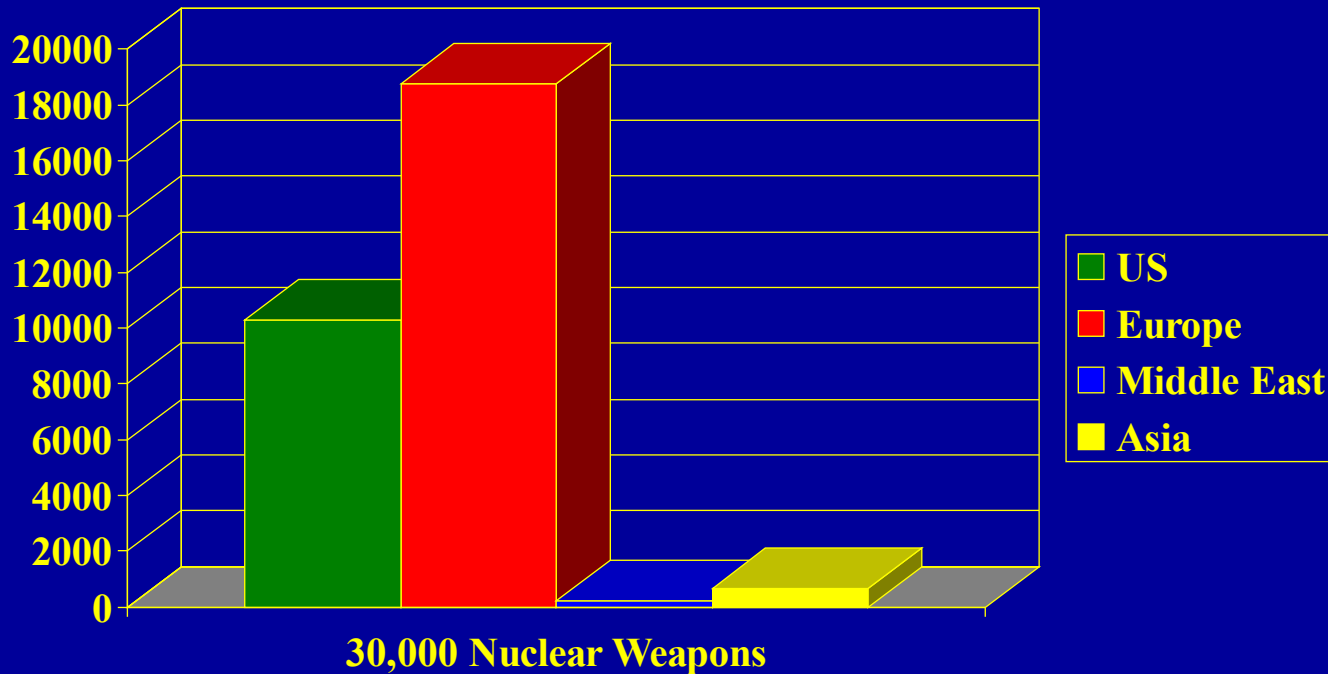
Source: Ira Helfand, Lachlan Farrow and Jaya Tiwari, "Nuclear Terrorism," *British Medical Journal*, Vol. 324, February 9, 2002, 356-359.

Figure 2: Radiation Exposure to Population and Fallout Mortality from a 12.5 kiloton Bomb Explosion in New York



Source: Ira Helfand, Lachlan Farrow, and Jaya Tiwari, "Nuclear Terrorism," *British Medical Journal*, Vol. 324, February 9, 2002, 356-359.

# NUCLEAR EARTH 2007



- Russia 15,000
- USA 10,000
- France 350
- UK 200
- China 130
- India 50
- Pakistan 50
- Israel 75-200
- North Korea 1

- modernisation
- threats of first use

- disarmament deadlocked
- proliferation accelerating



# Nuclear winter

## New data

- 50 x 10 kT warheads over major cities
  - Firestorms
  - Soot > Stratosphere
  - Years of lowered surface temperatures
  - Reduced global growing seasons
  - Famine
  - Mass starvation
- *Indirect* effects of nuclear winter are greater than direct effects
- a nuclear war cannot be won: “first strike” = suicide
  - *Toon & Robock 2007*
  - *Helfand, London Conf. 2007*



# ICAN:

- Deliver our MEDICAL message
- To a new generation
- To mobilise
- Public outrage
- To force our political representatives
- To instruct our diplomats
- To negotiate the total elimination of nuclear weapons
- ICAN.. YOU CAN... WE CAN ...  
**NOW!**



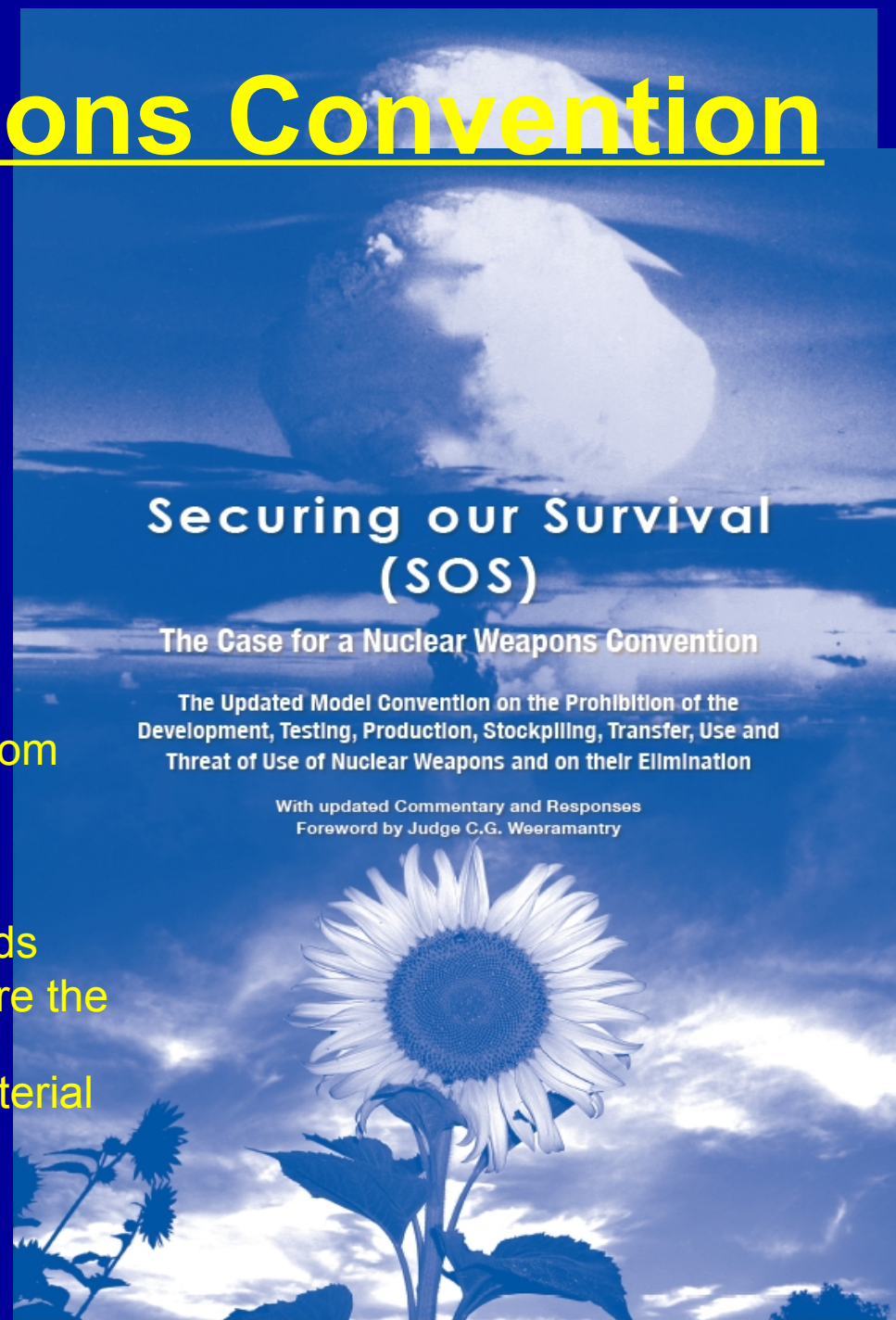
# A Nuclear Weapons Convention

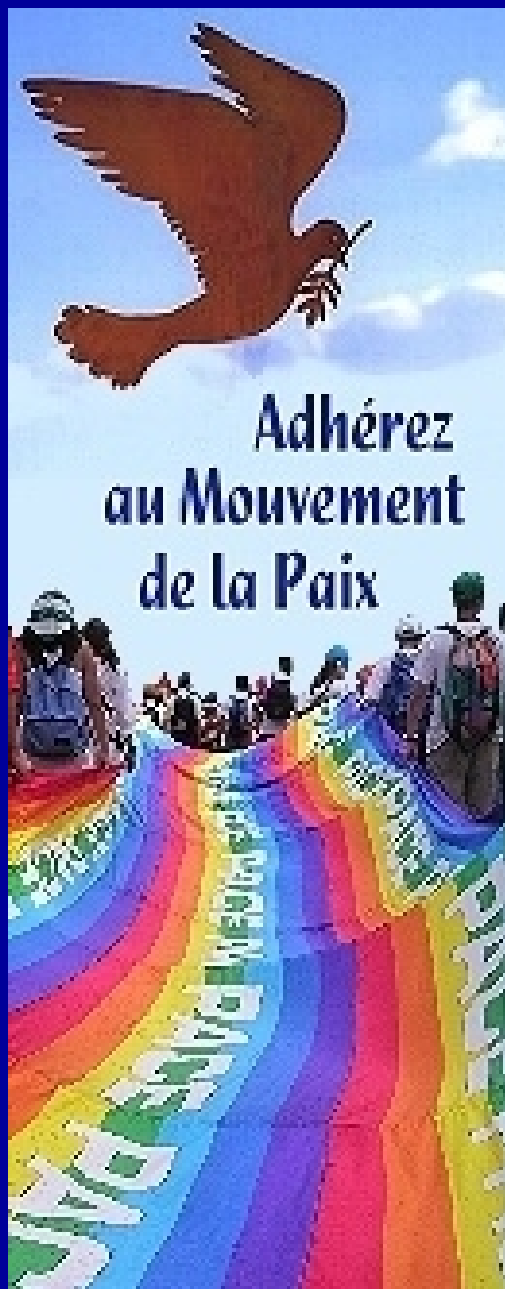
## Prohibits

- development
- testing
- production
- stockpiling
- transfer
- use and threat of use

## Phased elimination:

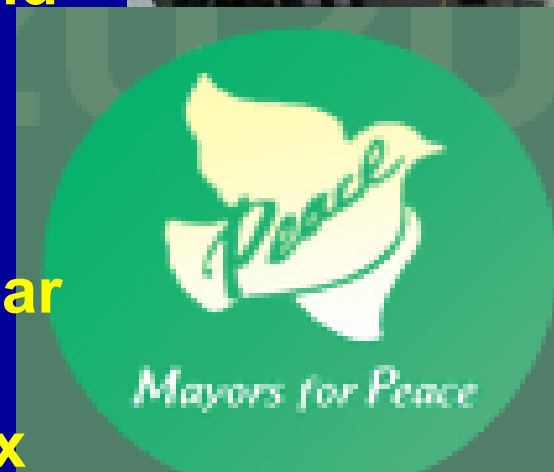
1. de-alert
2. remove weapons from deployment
3. remove them from delivery vehicles
4. disable the warheads
5. remove and disfigure the "pits"
6. place the fissile material under inter-national control.





# ICAN partners

- IPPNW
- Mayors for Peace
- Abolition 2000
- Women's International League for Peace and Freedom
- Nobel Women's Initiative
- Campaign for Nuclear Disarmament (UK)
- Movement de la Paix



**NOW:**

# Engagement

- NGOs
- Politicians
- Diplomats
- Celebrities
- Colleagues
- Public

