

When “agent X” Becomes Unethical Human Experimentation

Lorrin Pang, MD, MPH

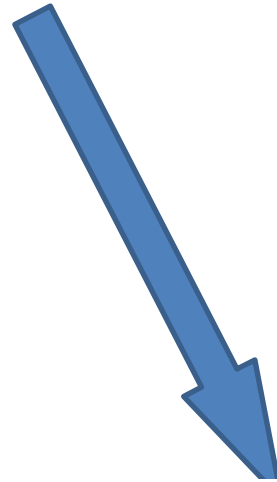
As Private Citizen (PCRAM, Shaka, Hawaii Seed)

https://archive.org/stream/coldwarerahumans00unit/coldwarerahumans00unit_djvu.txt.

The full text of the 1994 US Congress Cold War
Experimentation Hearings

Define Human Experiment

- Test/expose humans to something X not fully understood (still too uncertain)



**individual
opinion**



Known Safety/Toxicity vs Uncertainty



When X Becomes Unethical Human Experimentation



Humans put at unknown risk (product and exposure) by others



Individually



Group (community)



Nuremberg(1945-49) → Helsinki (1964 – now)

- Click to edit Master text
 - Second level
 - Third level
 - Fourth level
 - » Fifth level

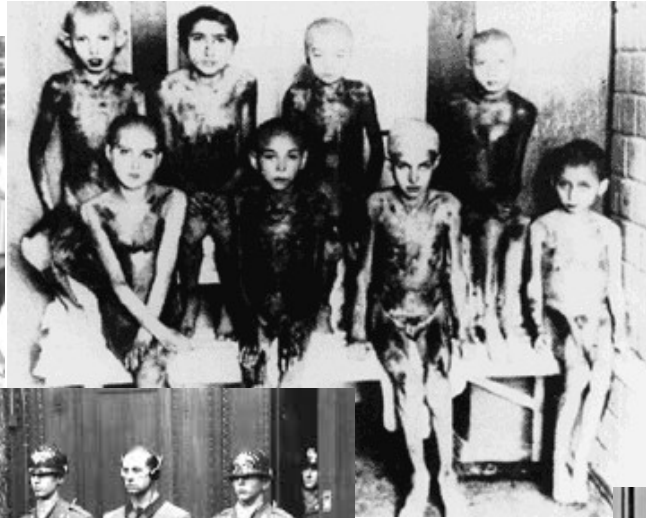


Table of Contents in
Description Box below



Grotesque Axis powers experiments (oppressed groups). All ethical violations. **Invalid arguments made in self defense (science and nationalism).** Punished or pardoned depending on participation. Codes of ethics of Helsinki Accord (historical condemnation of ALL, warning on **biased State court rulings.**

Human experiments are scientifically important but must be done ethically as per the: Nuremberg Code

The ten points of the Nuremberg Code:

Required is the voluntary, well-informed, understanding consent of the human subject in a full legal capacity.

The experiment should aim at positive results for society that cannot be procured in some other way.

It should be based on previous knowledge (e.g., an expectation derived from animal experiments) that justifies the experiment.

The experiment should be set up in a way that avoids unnecessary physical and mental suffering and injuries, except, in experiments where the experimental physician also serve as subjects.

It should not be conducted when there is any reason to believe that it implies a risk of death or disabling injury.

The risks of the experiment should be in proportion to (that is, not exceed) the expected humanitarian benefits.

Preparations and facilities must be provided that adequately protect the subjects against the experiment's risks.

The staff who conduct or take part in the experiment must be fully trained and scientifically qualified.

The human subjects must be free to immediately quit the experiment at any point when they feel physically or mentally unable to go on.

Likewise, the medical staff must stop the experiment at any point when they observe that continuation would be dangerous.

Authorship

**Individual basis and
sometimes additional
community participation**



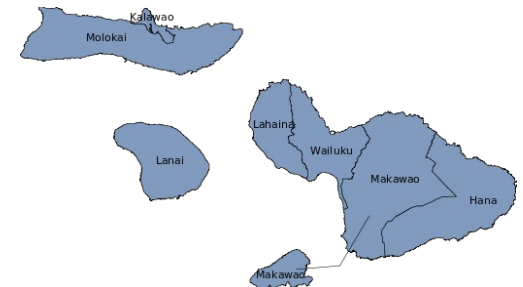
When can an individual choose to be in an experiment?



- Clinical Trial **Not live vaccine**
- Water additive (Flint Michigan)
- GM foods (if labelled)
- Airborne



Not drift, especially when hundreds of miles



When was there a (individual) choice?

water

The Information?



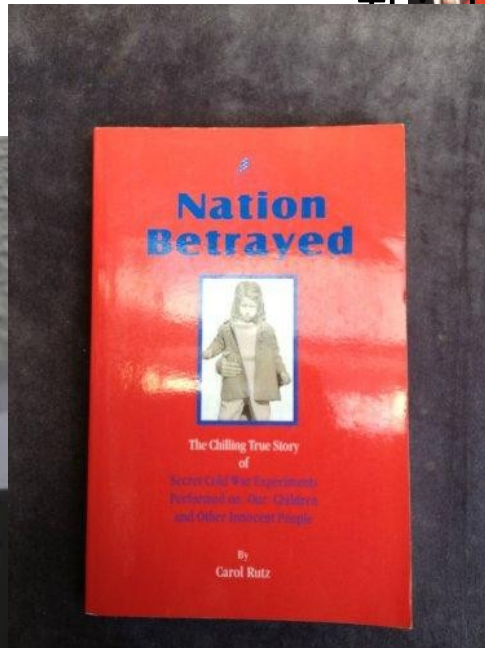
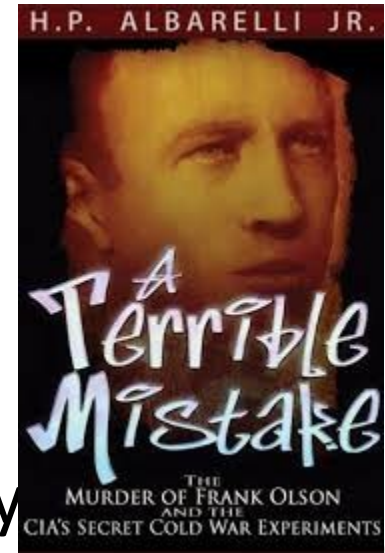
The Consent?



1950's – 1964 US Military and University Contractors experiment on Americans in secret on a massive scale, clinical and communities.

Discovery in 1994 leads to US Congressional Cold War Experimentation Hearings

- Click to edit Master text style
- Second level
- Third level
- Fourth level
- Fifth level



Cold War Radiation Testing in US Widespread, Author Claims

Jim Salter Associated Press Oct. 2017

Book Review of Lisa Martino-Taylor "Behind the Fog: How the U.S. Cold War Radiological Weapons Program Exposed Innocent Americans,"

...She was playing baseball in a St. Louis street in the mid-1950s when a squadron of green planes flew so low overhead ...Suddenly, the children were covered in a fine powdery substance that stuck to skin moistened by summer sweat... has suffered from breast, thyroid, skin and uterine cancers. Her sister died of a rare form of esophageal cancer...Americans were used as "guinea pigs" for research.

... leaders were told at the time that the government was testing a smoke screen that could shield the city from aerial observation in case of Soviet attack. Evidence now shows radioactive material..

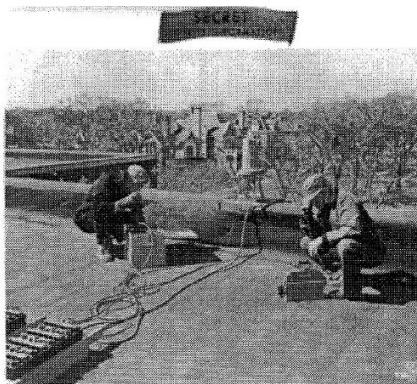


Fig. 7-7

Typical roof top location of aerosol disperser.



**?Ra 226 mostly alpha emitter ,
no DU dust yet**

Jim Salter cont.

Doris Spates, 62, was born in 1955 on the 11th floor of the Pruitt-Igoe low-income high-rise where the Army sprayed material from the roof. Her father died suddenly three months after her birth. Four of her 11 siblings died from cancer at relatively young ages. She survived cervical cancer and suffers from skin and breathing problems. Spates said. "It is wrong to do something like that to people who don't have any knowledge of it."

... team of mostly young scientists tasked with developing radiological weapons. They worked in a closed world with virtually no input from anyone "who could say, 'This isn't right,' or put some sort of moral compass on it," she said..."We haven't gotten any answers so far," Martino-Taylor said. "I think there's a lot more to find out."



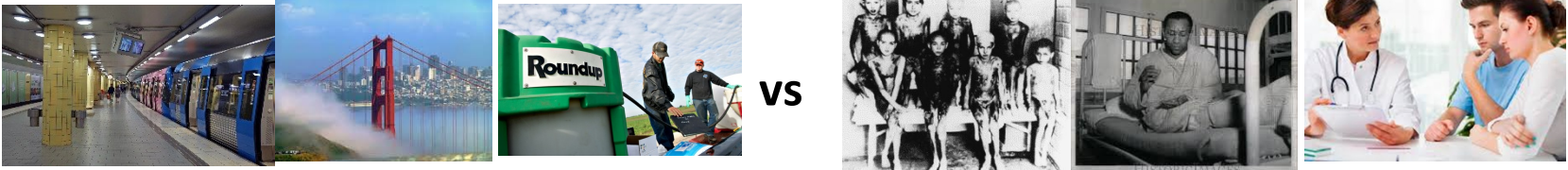
CONFIDENTIAL



The Findings



- Ethics based on Nuremberg/Helsinki Codes of prior/opt-out individual Informed Consent
- Community versus individual experiments, same ethical guidelines



- Prior to experiment harm is unknown or imprecise. “No harm shown”, after the fact is invalid argument.
- National Security and “science” invalid justifications for unethical acts
- Don’t expect individuals to get timely justice through existing legal systems or courts
- “Guarantee” 16+ federal agencies (EPA, USDA, FDA, etc) adopt the “common rule”- of informed consent
- No coercion or enticement to enter experiment (EPA?)
- Ultimate intent (say “shielding”) little bearing on human exposure/risk

“Boggles the Mind” - to obsess over some rights and ignore others – **today's example might be** gun control, immigration, voter registration, sanctuary cities, etc.



Spectrum of Human “Rights”



Lose

Experiment WIC ?



Refugees: Land ownership, voting, driving, stream discharge, foraging, etc

NO!



Mixed Prisoners: Freedom, bear arms, earn \$, Voting?, free speech

NO!



Honorable enemies to execute: Life, freedom, all of above...

NO!



Nazi doctors convicted of unethical experiments: all of above, donate body to “science” ...

NO! (not even eye for an eye)

DU weaponry health risk

Depleted Uranium



Alpha particles

Minimal

Alpha

Beta

Gamma

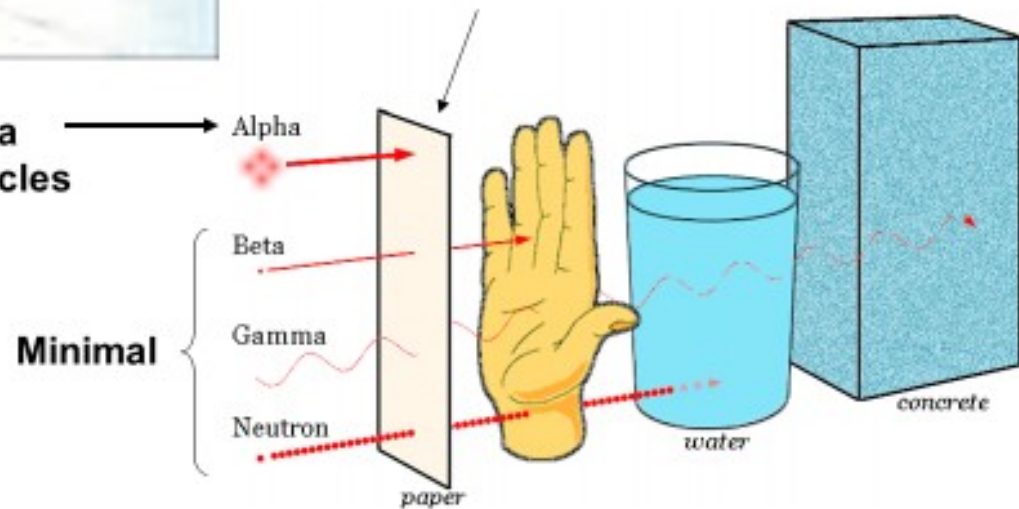
Neutron

paper, dead skin, 3 inches air, itself

paper

water

concrete



- Click to edit Master text styles

- Second level

- Third level

- Fourth level

- » Fifth level



External

Safe



**Internal
(Dust)**

**Most dangerous
form of radiation**

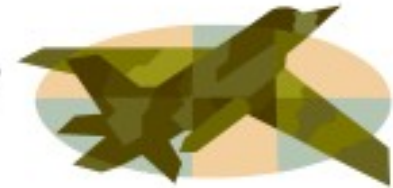
- Click to edit Master text styles

The Residual By weight 50% DU aerosolized and 50% still on ground.



Second level
Third level
Fourth level
» Fifth level

**Repeated bombing
with conventional
weapons??
Aerosolized dust?**



Still Unknown Toxicity



- In the 1970s, the Pentagon reported that the Soviet military had developed armor plating for Warsaw Pact tanks that NATO ammunition could not penetrate.[citation needed] The Pentagon began searching for material to make denser armor-piercing projectiles. After testing various metals, ordnance researchers settled on depleted uranium.
- The US and NATO militaries used DU penetrator rounds in the 1991 Gulf War, the Bosnia war,[13] bombing of Serbia, the 2003 invasion of Iraq,[14] and 2015 airstrikes on ISIS in Syria.[15]

Exposures

- Only the US and the UK have acknowledged using DU weapons.[35] It is estimated that between 315 and 350 tons of DU were used in the 1991 Gulf War. [16] According to an international legal team preparing a lawsuit against NATO, 10–15 tons of depleted uranium was used during the 1999 bombing of Yugoslavia. [37] In a three-week period of conflict in Iraq during 2003, it was estimated that over 1000 tons of depleted uranium munitions were used

At PTA? Continuous DUOx generation with conventional explosions? Not proven, uncertainty ≡ “experiment”

International Response

- the United Nations Human Rights Commission [41] — the first in 1996[42] and the second in 1997. [43] They listed weapons of mass destruction, or weapons with indiscriminate effect... urged all states to curb the production and the spread of such weapons. Included in the list was weaponry containing depleted uranium. The committee authorized a working paper, in the context of human rights and humanitarian norms...
- ...UN working paper was delivered in 2002... Promotion and Protection of Human Rights resolution 2001/36...may breach one or more of the following treaties: the Universal Declaration of Human Rights, the Charter of the United Nations, the Genocide Convention, the United Nations Convention Against Torture, the Geneva Conventions....

**Add: Violate Ethical Rules of Human Experimentation.
Especially Community Exposures (cannot opt out?)**

International Response

- The European Parliament has repeatedly passed resolutions requesting an immediate moratorium on the further use of depleted uranium ammunition,[49][50] but France and Britain ...have consistently rejected calls for a ban,[51] maintaining that its use continues to be legal, and that the health risks are unsubstantiated.[52]

And the Nazi medical experiments? Same excuses could have been made, since UN only “urging” and “requesting” restrictions

International Response

- In December 2012, 155 states supported a United Nations' General Assembly resolution that recalled that, because of the ongoing uncertainties over the long-term environmental impacts of depleted uranium identified by the United Nations Environment Programme, states should adopt a precautionary approach to its use.[64]
- In December 2014, 150 states supported a United Nations' General Assembly resolution encouraging states to provide assistance to states affected by the use of depleted uranium weapons, in particular in identifying and managing contaminated sites and material. [65].... Iraq had called for a global treaty ban on depleted uranium weapons

to Human Experimentation



[This Photo](#) by Unknown Author is licensed under [CC BY-NC](#)

- High priority human right
- Super-cedes National Interests, and questionable national regulatory decisions
- “No harm has been shown” becomes a bizarre argument, use precaution
- Individual decision is confidential and cannot be ridiculed
- Precedent of Nuremberg and Cold War Hearings, set of written rules
- Applies to community as well as individual exposures

(Some settings live virus and repeated air contamination cannot separate those who accept from those who abstain)

Not against product but way it is delivered (think organ donation vs trafficking)