



DOE Openness: Human Radiation Experiments: Roadmap to the Project



# Declassified Documents

- HOME
- ROADMAP
- WHAT'S NEW
- SEARCH HREX
- MULTIMEDIA
- RELATED SITES
- FEEDBACK

Declassified Documents

Proposed Medical Research Program - 1946 to 1947.

Page 1/20

[Next - - - >](#)

[< - Previous](#)

~~SECRET~~ THIS DOCUMENT CONSISTS OF 10 PAGES  
 NO. \_\_\_\_\_ OF \_\_\_\_\_ COPIES. DETAILS \_\_\_\_\_

35

**PROPOSED MEDICAL RESEARCH PROGRAM - 1946-47**

707065

**I Introduction**

**II General Studies of Radiation**

- A. Physical Measurement of Radiation
- B. Biological Effects of Radiation
  - 1. Survival Time
  - 2. Genetic Effects
  - 3. Histopathological Changes
  - 4. Physiological Changes
  - 5. Biochemical and Enzymatic Disturbances
- C. Methods for the Detection of Minimal Radiation Damage
  - 1. Biochemical and Enzymatic Changes
  - 2. Hematopoietic Changes
  - 3. Anatomical Changes
- D. Prevention of Radiation Injuries
  - 1. Methods of Physical Detection of External Radiation
  - 2. Determination of Harmful Amounts of Radioactive Dusts, Etc.
- E. Protective Measures
- F. Therapy of Radiation Damage

**III Hazards Due to Special Materials**

- A. Toxicity
  - 1. Mode of Entrance
  - 2. Character of the Biological Changes
  - 3. Nature of Injuries and Mechanism by which They Occur
- B. Preventative Measures
  - 1. Physical Methods
  - 2. Protective Devices
  - 3. Therapeutic Measures
- C. Substances on Which Above Studies are Necessary

**IV Production Hazards**

- A. Electromagnetic and Diffusion Methods
- B. Graphite Pile
- C. Chemical Isolation of Polonium
- D. Medical Aspects of Plant Programs

RHTG # 72,984  
BOX # 103

REPOSITORY *Oak Ridge Operations*  
 COLLECTION *RHTG Classified Xerox, 1944 -*  
*Records Holding Area, Bldg 2714-H Vault*  
 SER No. *RHA-1108*

~~SECRET~~

Classification Changed to UNCLASSIFIED  
 By Authority of *DAE*  
 Classification Authority *R-114*  
 Date \_\_\_\_\_  
 SPECIAL AGENTS CORP

1019326