

525-20

This document consists of 46 pages
Copy No. 16 of 43 Series A

This document consists of 4 pages
No. 1 of 1 Copies, Series AD-A

CAUTION

This document contains information affecting the National Defense of the United States. Its transmission or the disclosure of its contents in any manner to an unauthorized person is prohibited and may result in severe criminal penalties under applicable Federal Laws.

MONTHLY STATUS AND PROGRESS REPORTS

FOR

APRIL 1949

UNIQUE DOCUMENT # SAA200051290000

| | |
|--------------------------|-----------------------------------|
| OPENNET | |
| <input type="checkbox"/> | Authorized for Public Release |
| By | |
| Entered in Opennet | |
| By | |
| <input type="checkbox"/> | Not Authorized for Public Release |
| By | |

U. S. ATOMIC ENERGY COMMISSION

Issued May 1949

| | |
|---|---------------------------------------|
| DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW | |
| SINGLE REVIEW AUTHORIZED BY: <i>Seussguth 11/2/94</i> | DETERMINATION (CIRCLE NUMBER(S)) |
| REVIEWER (ADD): <i>RP/Debnidt</i> | 1. CLASSIFICATION RETAINED |
| NAME: <i>RP/Debnidt</i> | 2. CLASSIFICATION CHANGED TO: |
| DATE: <i>12/8/94</i> | 3. CONTAINS NO DOE CLASSIFIED INFO |
| | 4. COORDINATE WITH: |
| | 5. CLASSIFICATION CANCELLED |
| | 6. CLASSIFIED INFO RECLASSIFIED |
| | 7. OTHER (SPECIFY): <i>Classified</i> |

hp 31330 only this document contains restricted data as defined in the Atomic Energy Act of 1946

US DOE ARCHIVES
326 U.S. ATOMIC ENERGY
COMMISSION

Please return to
Office of General Counsel
Room 304

Collection: 1342
Box: 4
Folder: 4

1-4-9
Progress Rep.

74 HDOT 18/16

EXTRANEUS MATERIAL DELETED

EXTRANEUS MATERIAL DELETED

1 - 1941 - 1945 MEDICINE

Speeches:

Dr. Z. I. Lurie gave several addresses which included a talk on April 10 before the American College of Physicians in New York on "The State of Radiation Damage in Man." (On April 15, before the American Society of Immunologists and Bacteriologists in Boston on "The Medical Aspects of Radiation Injury," and on April 17, at the Army War "Antigen Tracer Studies and Hypertensive Shock in the Guinea Pig." On April 18, at the Naval Medical Center in Bethesda, he spoke to the Army and Navy medical officers on "The Fundamental Principles of Immunology." On April 20 at the Army and Navy Conference on "The Medical Aspects of Atomic Energy"; at the American Institute of Technology before the War Research Council on "Medical Problems of an Atomic War."

Dr. Z. I. Lurie addressed the Medical Society at Hagerstown, Md. on "The Medical Aspects of Atomic Medicine."

Dr. Z. I. Lurie gave the information Meeting at Oak Ridge on April 11 on "Radioactive Substances and Their Use in the Control of Cancer."

Dr. Z. I. Lurie gave the address to the National Dairy Council in Detroit on April 12 on "The Medical Aspects of Nutrients and Fat Metabolism."

Administrative Committee on Research in Medicine

The Administrative Committee on Research in Medicine held their first meeting on April 10, 1941, at the National Academy on April 10, 1941, at the National Academy.

The following report was thoroughly discussed. It was the sense of the committee that "Funds allotted to support research in the field of radiation in the field of biology and medicine should be used to supplement stipends received by investigators and to supplement awards for training purposes. It was the sense of the committee that training programs should be established in addition to the existing ones and that considerable attention should be given to the development of curricula.

The Administrative Committee on Research in Medicine (Division of Medical Research) has recommended that \$1,000,000 be set aside for the purpose of funding research in the field of radiation. It was the sense of the committee that the following recommendations should be forwarded to the War Research Council of the National

Research Council

"It is recommended that the Division of Medical Sciences be requested to continue the established panel as an advisory group and that sufficient funds be allocated for indicated physical examinations on the radiation cataract cases. It is further recommended that the Radiation Cataract Committee advise the Division of Biology and Medicine as to indicated research projects for coordination with the existing research program of that Division and administration by the Division of Biology and Medicine."

Fellowships

A contract has been renewed through the New York Operations Office with the Marine Biological Laboratory at Woods Hole, Massachusetts, to conduct a course for six fellows on radioactive isotopes under the direction of Dr. H. Failla during the Summer of 1949.

The AEC Postdoctoral Fellowship Board in the Biological Sciences of the National Research Council met on April 2, 1949, and at such time ten applications were recommended for fellowships.

Civil Defense

The Division of Biology and Medicine has advised the National Security Research Board of the Division of research and development in the facilities of the AEC and its contractors which is pertinent to civil defense. They further suggested that the AEC could be looked to for information in the following fields under atomic weapons:

1. Blast effects on structures
2. Blast effects on animals
3. Blast effects on personnel
4. Burns
5. Ionizing radiation effects
6. Shielding and shelter
7. Medical care for casualties and refugees
8. Psychological problems
9. Radiological safety - including instrumentation for the detection and measurement of atomic energy
10. Training of personnel

Bikini Survey

In cooperation with the Division of Military Application, the Division of Biology and Medicine is making preliminary plans

U N C L A S S I F I E D

for a resurvey expedition to Bikini and Eniwetok under the direction of Dr. Lauren R. Donaldson.

Federation of American Societies for Experimental Biology, Detroit, April 18-21

In conjunction with the meeting held by the Federation of American Societies for Experimental Biology, a meeting was held by a scientific panel with Dr. James H. Crow acting as chairman, in which the biological synthesis of radioactive materials (sometimes called isotope farming) was discussed.

Dr. Nathan Woodruff of Oak Ridge presented a summary of the utilization of carbon 14 in biological synthesis.

Biology and Medicine Information Meeting

An information meeting for biology, medicine and health physics was held at Oak Ridge on April 12, 13, and 14. Discussions on the first two days were devoted to radiation microbiology and biochemistry while on the third day a classified Health Physics meeting was held.

U N C L A S S I F I E D

DOE ARCHIVES

EXTRANEIOUS MATERIAL DELETED

EXTRANEIOUS MATERIAL DELETED