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MONTHLY STATUS AND PROGRESS REPORTS

FOR

SEPTEMBER 1949

Excerpt

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| DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW | |
| SINGLE REVIEW AUTHORIZED BY: <i>Dinsgall 11/2/94</i> | DETERMINATION (CIRCLE NUMBER): |
| REVIEWER (ADDA) | 1. CLASSIFICATION RETAINED |
| NAME: <i>H. Schmidt</i> | 2. CLASSIFICATION CHANGED TO: |
| DATE: <i>12/8/94</i> | 3. CONTAINS NO DOE CLASSIFIED INFO |
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U. S. ATOMIC ENERGY COMMISSION

Issued October 21, 1949

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

V - BIOLOGY AND MEDICINE

Research Projects Approved During September, 1949

Medicine

University of Washington - Dr. Donald J. Hanahan, H. J. Dauben and Robert F. Williams - "Synthesis of Carbon 14 - Labeled Diethylstilbesterol and a Study of its Metabolism in the Body - \$13,200 - 1 year

Biology

University of Georgia - Dr. Henry W. Schoenborn - "The Production of Mutant Strains of Euglenoid Flagellates and Their Use in the Study of Carbon Dioxide Fixation Processes" - \$4,985 - 1 year

University of Wisconsin - Dr. David E. Green - "Studies on the Cyclophorase System of Animal Tissues" - \$79,400 - 3 years

Project extended - University of Delaware - Dr. Mary A. Russell - "Comparison of Effects of X-rays, Neutrons, and Mustard Compounds on the Growth and Development of Corn Seedlings" - \$5,865 - 1 year

Advisory Committee for Biology and Medicine

The seventeenth meeting of the Advisory Committee for Biology and Medicine was held on Friday and Saturday, September 9 and 10, 1949, in Washington, D. C.

The Deputy Director of the Division of Biology and Medicine reviewed his recent trip to Japan wherein he surveyed the activities of the Atomic Bomb Casualty Commission at Hiroshima, Kure, and Nagasaki. Dr. Bowers' survey covered all phases of the program, including organization studies in hematology, genetics, serology, parasitology, laboratory facilities, construction, housing facilities, etc. Inasmuch as large sums of money are being expended from Federal funds for this program, it was felt that periodic re-appraisals are essential.

The Fellowship Program was considered in light of the recent Congressional hearings and the rider that was placed in the AEC Appropriation Act. As a result of the discussions the Committee was unanimous in voicing its opinion that the Fellowship Program should be continued despite the conditions imposed by the present statute.

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A statement which reflects the views of the Committee regarding the program and the recommendations of the Director of the Division of Biology and Medicine thereon, has been forwarded to the General Manager for his consideration.

Effects of Radiation

The Division of Biology and Medicine, together with an ad hoc panel consisting of Dr. Austin M. Brues, Director of the Biology Division, Argonne National Laboratory; Dr. A. H. Dowdy, Chairman, Department of Radiology, School of Medicine, University of California at Los Angeles; Dr. G. Failla, Professor of Radiobiology, Columbia University; Dr. J. W. Gowen, Professor of Genetics, Iowa State College; Dr. L. D. Marinelli, Associate Director, Health Physics Division, Argonne National Laboratory; and Dr. Stafford L. Warren, Dean, School of Medicine, University of California at Los Angeles, met in Washington on September 14 and developed plans for increasing its investigation of the life-time effects of radiations. Steps have been taken to initiate work with laboratory animals such as mice, rats, and dogs. It is anticipated that information obtained from these investigations on animals can be extrapolated to humans.

International Conference on Radiation Tolerances

Under the technical cooperation program a conference was held at Chalk River, Ontario, on September 29 and 30 between representatives of the United States, the United Kingdom, and Canada for the purpose of establishing agreement as to permissible exposure to external radiation and to internal radioactive emitters.

The conferees attained agreement on tolerances for radium, plutonium, thorium, polonium, and strontium. Agreement was also reached on a formula for relating the amount of radioactive waste material which may be disseminated in a given area with the population density of the area. Dr. Shields Warren, representing the Division of Biology and Medicine, acted as Chairman.

Progress in Civil Defense Planning

The paper previously prepared on the hazard of occupying the Washington Building of AEC has been broadened and rewritten under the title "The City of Washington and an Atomic Bomb Attack." Also, material is being assembled for a staff paper which will relate the position of the AEC in the civil defense program, list past accomplishments, and outline the papers to be published by the Commission in furtherance of its obligation to make information available to other governmental agencies and to the public.

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Idaho Operations Office

The Assistant Chief, Medical Branch, visited the Idaho Operations Office to evaluate the existing facilities for medical care and to evaluate the requirements for medical services to be rendered by the AEC to its employees on site.

A full report has been made to the Director of the Division which included recommendations that no action need be taken by the AEC with respect to off-site medical care as local medical facilities are more than adequate for this purpose.

American Cancer Society

A representative of the Division of Biology and Medicine attended a meeting in New York City on September 22 that was called by Dr. Joseph C. Aub, President of the American Association for Cancer Research, of organizations interested in cancer.

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