

PRIVACY ACT MATERIAL REMOVED

August 24, 1949

TO: Commissioners and Division Heads

FROM: Carroll L. Wilson, General Manager

SUBJECT: Meeting of the Advisory Committee for Biology and Medicine

The seventeenth meeting of the Advisory Committee for Biology and Medicine will be held on September 9-10, 1949, at the AEC Building, Washington, D. C.

Invitation is cordially extended to attend this meeting.

Saturday, September 10

Agenda - 9:30 A.M.

Room 213

1. Consideration of the minutes of the meeting at the Atomic Energy Commission, Washington, D. C., on June 11, 1949.
2. Report on support of research.
  - a. Proposals approved since June 10 meeting:

Medicine

- (1) Massachusetts General Hospital - Drs. William M. Sweet and Bertram Selverstone - "The Use of Phosphorus<sup>32</sup> for the Precise Localization of Brain Tumors" - \$11,880.

Salaries	\$8,775
Equipment & Salaries <i>Supplies</i>	1,925
Overhead	
Miscellaneous	300



US DOE ARCHIVES	
<b>326 US ATOMIC ENERGY COMMISSION</b>	
RG	
Collection	<i>Division of Biology Medicine</i>
Box	
Folder	<i>6</i>

- 1 -

1072641

PRIVACY ACT MATERIAL REMOVED

- (2) University of Oregon Medical School - Dr. Edward E. West - "A Study of Labeled Acetic Acid and Ethanol in Relation to Fat Metabolism" - \$10,250

Salaries	\$4,260
Equipment and Supplies	5,490
Miscellaneous	500
Total	<u>\$10,250</u>

- (3) University of Tennessee - Dr. E. F. Williams - "Research in the Departments of Pathology, Physiology and Chemistry" - \$15,000

Salaries	\$10,600
Equipment and Supplies	4,200
Miscellaneous	200
Total	<u>\$15,000</u>

- (4) Presbyterian Hospital of the City of Chicago - Dr. R. Gordon Gould - "The Mechanism of CO<sub>2</sub> Fixation" - \$6,000

Salaries	\$3,500
Equipment and Supplies	2,500
Total	<u>\$6,000</u>

- (5) Peter Bent Brigham Hospital - Dr. Francis D. Moore - "Intracellular Changes in Trauma Depletion and Repair: Biochemical Studies in the Human Being with the Aid of Isotopes" - \$21,090

Salaries	\$12,896
Equipment and Supplies	6,058
Overhead	
Miscellaneous	574
Total	<u></u>

- (6) University of Denver - Dr. Frank M. D'Amour - "The Physiologic and Pathologic Effects of Radioactive Cobalt" - \$19,000

Salaries	\$11,300
Equipment and Supplies	2,000
Overhead	██████████ (?)
Miscellaneous	1,180
Total	██████████

- (7) Harvard University - Dr. Thomas H. Ham and Dr. William B. Castle - "Destruction of Red Blood Cells" - \$10,828

Salaries	\$8,944
Equipment and Supplies	500
Overhead	██████████ (?)
Miscellaneous	400
Total	██████████

- (8) Harvard University - Dr. S. P. Hicks - "Effects of Radiation Upon the Development of Rat Embryos" - \$10,363

Salaries	\$7,571
Equipment	1,850
Overhead	██████████ (?)
Total	██████████

- (9) Syracuse University - Dr. E. L. Lozner - "Defenses Against Hemorrhages" - \$18,000

Salaries	\$13,500
Equipment and Supplies	3,250
Overhead	██████████)
Miscellaneous	250
Total	██████████

(Administered through ONR)

- (10) Washington University - Dr. Frank Dixon - "Investigation of the Effects of Agents Used in the Treatment of Cancer, X-ray and Nitrogen Mustards on the Immunologic Response of Experimental Animals" - \$11,000

Salaries	\$3,000
Equipment and Supplies	5,770
Overhead	██████████ (?)
Miscellaneous	175
Total	██████████

- (11) University of Illinois - Dr. A. C. Ivy - "Irradiation of Gastric Mucosa by Intragastric Instillation of Radioactive Isotopes - \$4,400

Salaries	\$3,000
Equipment and Supplies, Miscellaneous and Overhead	1,400
Total	\$4,400

- (12) Atomic Energy Commission - National Research Council - Atomic Bomb Casualty Commission - Contract extended for one year to permit the ABCC to continue medical and genetic studies in Japan \$1,350,000

Biology

- (1) Iowa State College - "Metabolism and Physiology of Roots" - Dr. S. Aranoff - \$8,050; "Combined Biochemical and Physiological Action of Throsine and Vitamin B<sub>12</sub>" - \$9,900 - Dr. R. E. Sealock

- (2) Agriculture and Mechanical College of Texas - Dr. Raymond Reiser and Dr. Kenneth Kuiken - "The Metabolism of Glycerines" - \$12,800

Salaries	\$8,200
Equipment and Supplies	4,300
Miscellaneous	300
Total	\$12,800

- (3) University of Pennsylvania - Dr. D. Wright Wilson -  
"The Synthesis of Isotopic Carbon Compounds Used  
in Biochemistry" - \$10,700

Salaries	\$7,000
Equipment and Supplies	2,100
Overhead	[REDACTED] (?)
Miscellaneous	200
Total	\$ [REDACTED]

- (4) University of Chicago - Dr. E. M. K. Geiling -  
"Biosynthesis of Radioactive Drug Compounds" -  
 \$50,000

Salaries	\$32,400
Equipment and Supplies	16,600
Miscellaneous	1,000
Total	<u>\$50,000</u>

- (5) University of Wisconsin Agriculture Experiment  
Station - Drs. B. W. Burris and P. W. Wilson -  
 (a) Studies of Biological Nitrogen Fixation  
with Isotopic Tracers - \$5,000

Salaries	\$3,000
Equipment and Supplies	2,000
Total	<u>\$5,000</u>

- (b) Metabolism of Organic Acids in Higher Plants  
and Microorganisms - \$6,500

Salaries	\$4,250
Equipment and Supplies	2,300
Total	<u>\$6,500</u>

Applied Biophysics

- (1) University of Washington - Dr. F. W. Church and  
Dr. Raymond Allen - "Meteorology" - \$16,100

Salaries	\$8,000
Equipment and Supplies	7,400
Miscellaneous	700
Total	<u>\$16,100</u>

- (2) University of Washington - Dr. Robert G. Fleagle -  
"Meteorology" - \$14,768

Salaries	\$10,368
Equipment and Supplies	4,050
Miscellaneous	350
Total	<hr/> \$14,768

b. Proposals extended since ~~June~~ 10 meeting:

- (1) University of Virginia - Dr. Alfred Chanutin -  
"Fractionation of Blood Plasma" - \$25,000 -  
Extended one year - ONR
- (2) Ohio State University - Dr. H. L. Pool - "Radio-  
autographs" - \$8,292 - Extended one year - ONR
- (3) University of Washington - Dr. R. H. Williams -  
"Biological Effects of Radioactive Sulphur" -  
\$10,500 - Extended one year - ONR

c. Proposals declined since June 10 meeting:

- (1) University of Pennsylvania - Dr. E. R. Long - "Use  
of Trace Elements in the Study of Metabolism of  
M. Tuberculosis"
- (2) York Uni-Bellevue Medical Center - Dr. Anthony A.  
Albanese - "Study of the Long Term Radiation Effects  
of Internally Administered Beta Emitters"
- (3) Chicago Medical School - Dr. Richard G. Roberts -  
"Storage of Hemin and Other Metalloporphyrins in  
Normal and Neoplastic Tissues"
- (4) Biological Laboratory, Inc. - Dr. Norman Molomut -  
"The Effect of Anti-Splenic Tissue Serum in Radia-  
tion Damage"
- (5) Russell Sage College - Dr. Gertrude Heidenthal -  
"Radiation Work on the Parasitic Wasp, Habrobracon"
- (6) Battelle Memorial Institute - Dr. K. Starr Chester -  
"Monitoring Radiation with Living Plants and Micro-  
organisms as Detectors"

- (7) Amherst College - Dr. H. E. Plough - "Biochemistry and Nutrition of Unicellular Organisms and the Requirement of Varieties of Mutants Induced by Radiation"
- (8) Brown University - Dr. H. B. Chase - "Radiation and Tracer Studies in Biology"
- (9) Northwestern University - Dr. I. M. Klotz - "Physicochemical Study of the Mode of Action of Antibacterial Agents"
- (10) Haskins Laboratories, Inc. - Dr. S. H. Hunter - "Toxicity and Antibiotic Betatron of Compounds Forming Complexes with Metals and Effect of Trace Elements on Bacterial Metabolism"
- (11) University of Pittsburgh - Dr. P. Gray - "Permeability of Natural Membrane to Gases and Ions"
- (12) Alabama Polytechnic Institute - Dr. R. W. Engel - "Nutritional Edema and Anemia as Influenced by Choline"
- (13) Oberlin College - Dr. G. T. Scott - "Binding Properties of Intracellular Constituents"
- (14) University of Virginia - Dr. Alfred Chanutin and Dr. Preston B. Lowrance - "Effects of X-Irradiation and Radioactive Isotopes on the Heart"
- (15) Southern Research Institute - Dr. Howard E. Skipper - "The Screening of Radioactive Anti-Leukemic Agents for Therapeutic Value Against Transmitted Mouse Leukemia"
- (16) Union University, Albany Medical College - Dr. Arthur Knudson - "The Effects of High Energy Roentgen-Ray Beam on the Biological Organism"
- (17) Harvard University - Dr. A. M. Seligman - "Development of a Method of Assaying the Heparin Content of Blood"
- (18) Tulane University - Dr. Robert Nieset - "The Investigation of Protein Synthesis by Use of the Isotope N-15"

3. Support of Basic Research

Summary of projects approved by Division of Biology and Medicine and scope of research program.

4. Budget

Consideration of budget allocations

5. Report by Dr. Bowers

- a. Atomic Bomb Casualty Commission Survey of Nagasaki, Hiroshima and Kure (Dr. Philip Owen to be present)
- b. Letter from Dr. Lewis Weed dated May 18, 1949 requesting approval of the Atomic Energy Commission of the proposed plan of establishing a Board of Commissioners within the Japanese National Institute of Health which proposes that they would have a voice in the affairs of the Atomic Casualty Commission.

(Copy of letter in folder)

LUNCH 12:30 P.M.

6. Report by Professor Harry L. Bowman

Civil Defense problems related to the Oak Ridge Operations

(Copy of report in folder)

7. Civil Defense Planning

8. Reappraisal of permissible dose standards - Dr. L. S. Taylor

9. Discussion relating to the rotating change of the membership of the Advisory Committee for Biology and Medicine

10. Educational Program - Dr. P. B. Pearson

11. Fellowship Program

- a. Medical
- b. Biology
- c. Applied Biophysics

12. Consideration of a Staff Paper to be prepared at the request of the General Manager on the Subject of Clearance of Personnel Engaged on Unclassified Research Contracts and Employment of Aliens on Unclassified Research Contracts.
13. Other Business
  - a. Mr. Aley Allan has been detailed to the Division of Biology and Medicine to render legal assistance on biological and medical problems.
  - b. Industrial health in relation to items that are procured as a unit against those procured on a contract basis - Dr. S. Warren
  - c. Dr. LeRoy's Program
14. Next Meeting