

AGENDA

TO: Commissioners and Division Heads

FROM: Carroll L. Wilson, General Manager

SUBJECT: Meeting of the Advisory Committee for Biology
and Medicine

The nineteenth meeting of the Advisory Committee for Biology and Medicine will be held on Friday and Saturday, November 11 and 12, 1949, at the Oak Ridge Operations Office, Oak Ridge, Tennessee.

Invitation is cordially extended to attend this meeting.

November 11, 1949

Discussions with Program Directors and inspection of installation.

November 12, 1949

1. Consideration of the minutes of the meeting at the Atomic Energy Commission, Washington, D. C., on October 20, 1949.
2. Report on support of research.
 - a. Proposals approved since September 10, 1949:

Medicine

- (1) University of Oregon Medical School - Dr. Frank B. Queen - "Evaluation of Body Content of Radium in Individuals With No Known Exposure" - \$845.00
1 yr.

Equipment	\$125.00
Salaries	120.00
Drayage, Express & Travel	100.00
Miscellaneous	<u>500.00</u>
Total	\$845.00

US DOE ARCHIVES	
326 US ATOMIC ENERGY	
RG	COMMISSION
Collection	<i>Division of Biology Medicine</i>
Box	<i>1</i>
Folder	<i>6</i>

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- (2) Army Medical Center, Washington, D. C. - Major G. M. McDonnell; Lt. Col. R. D. Maxwell, et al - "Antibiotic Therapy in the X-ray Irradiation Syndrome" - \$7,475 - 1 yr.

Equipment and Supplies	\$2875
Maintenance	4800
Miscellaneous	100
Total	<u>\$7475</u>

- (3) Sloan Kettering Institute - Dr. Rulon Rawson - "Physiological Effects of Irradiation in Patients Receiving Large Doses of Iodine 131" - \$40,000* - 1 yr.

Salaries	\$38,150
Equipment, Supplies & Maintenance	10,850
Travel	1,000
Total	<u>\$50,000</u>

*Reduced to \$40,000 by direct discussion

- (4) University of North Carolina - Dr. G. C. Kyker - "Tracer Studies and Irradiation in Dental Metabolism" - \$4,500 - 1 yr.

Equipment, Materials & Supplies	\$2700.00
Salaries	1800.00
Total	<u>\$4500.00</u>

- (5) Memorial Hospital, New York City - Dr. Helen Woodward; Dr. C. P. Rhodes - "Measurement on Effects of Irradiation on Bone and Bone Phosphatase Activity" - \$3,184 - 1 yr.

Salaries	\$2500.00
Equipment and Supplies	684.00
Total	<u>\$3,184.00</u>

- (6) University of Washington (Seattle) - Drs. D. J. Hanahan; H. J. Daubon; R. Williams - "Synthesis of Carbon 14 - Labeled Diethylstilbestrol and a Study of its Metabolism in the Body" - \$13,200 - 1 yr.

Equipment and Supplies	\$5,000
Salaries	7,800
Travel	400
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	\$13,200

Biology

- (1) Lanckenau Hospital - Dr. Grace Medes - "Origin and Fate of Amino Acids in Plants and Animals" - \$12,000 - 1 yr.

Salaries	\$8,240
Supplies	3,760
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Total	\$12,000

- (2) University of Wisconsin (Institute for Enzyme Research) - Dr. David E. Green - "Studies on the Cyclophorase System of Animal Tissues" - \$79,400 - 3 yrs.

Fiscal Year 1949

Salaries	\$16,000
Equipment & Supplies	12,700
Publication Expense	300
Travel	400
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	\$29,400

<u>Fiscal Year 1950</u>	25,000
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<u>Fiscal Year 1951</u>	25,000
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Total	<hr/>
	\$79,400

- (3) 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 yr.

Salaries	\$3000
Equipment & Supplies	1535
Total	<hr/> \$4,985

- (4) Fish and Wildlife Service - U. S. Department of
Interior - Dr. Walter A. Chipman - "A Survey of
the Accumulation of Radioactivity in Marine
Invertebrate Animals" - \$24,500 - 1 yr.

Salaries	\$11,604.00
Equipment & Supplies	7,800.00
Travel	900.00
Laboratory Alterations	4,153.25
Total	<hr/> \$24,457.25

b. Proposals extended since September 10, 1949:

- (1) 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 - Extended one
year - ONR

c. Proposals declined since September 10, 1949:

- (1) University of California - Dr. L. M. K. Boelter -
"The Thermodynamics of Conversion of Sea Water"
- (2) Cedars of Lebanon Hospital (Los Angeles) -
Dr. H. L. Jaffe - (a) "The Concentration of C₁₄
Compounds in Neoplasms" - (b) "Radioactive Gold
Sodium Thiosulfate in Arthritis"

3. (a) Introducing Dr. William F. Bale of the University of Rochester.
- (b) Consideration of Waste Disposal Program.

(EXECUTIVE SESSION)

4. Discussion re role of national laboratories in programmatic and basic research.

(END OF EXECUTIVE SESSION)

5. Cancer Program at Oak Ridge Operations Office -
Dr. Albert H. Holland, Jr.
6. Biology Program at Oak Ridge Operations Office -
Dr. Alexander Hollaender
7. Health Physics Program at Oak Ridge Operations Office -
Dr. Karl Z. Morgan
8. Isotope Problems - Dr. P. C. Aebersold
9. Progress Report on Civil Defense Planning -
Dr. Wearn, Chairman
Dr. Bronk
Dr. Stakman
10. Progress Report on Fellowships
11. Other Business