

U. S. ATOMIC ENERGY COMMISSION

ADVISORY COMMITTEE ON BIOLOGY AND MEDICINE

Meeting at

UNIVERSITY OF CALIFORNIA AT LOS ANGELES, SCHOOL OF MEDICINE

LABORATORY OF NUCLEAR MEDICINE AND RADIATION BIOLOGY

Medical Center, Room 17-264C

Friday, May 20, 1960

9:00 A.M. to 12:00 Noon

WELCOME

John Field, Ph. D.
Associate Dean
School of Medicine

ORGANIZATION AND OBJECTIVES OF THE LABORATORY

Joseph F. Ross, M. D.
Director

DIVISIONAL PROGRAM REVIEWS

Biochemistry
Radiobiology
Neurophysiology and Toxicology

James F. Mead, Ph. D.
Lawrence S. Myers, Jr., Ph.D.
Thomas J. Haley, Ph. D.

Intermission

Medicine
Nuclear Medicine and Experimental
Radiology
Medical Physics and Instrumentation
Environmental Radiation

Esther F. Hays, M. D.
George V. Taplin, M. D.
Benedict Cassen, Ph. D.
Kermit H. Larson, M. S.

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| US DOE ARCHIVES | |
| 326 US ATOMIC ENERGY | COMMISSION |
| RG | |
| Collection | <i>Biology of Medicine</i> |
| Box | <i>2</i> |
| Folder | <i>2</i> |

LUNCHEON

Diningroom "B"
Medical Center

12:15 P.M. to 1:15 P. M.

1069665

PRESENTATION OF INDIVIDUAL RESEARCH REPORTS

Medical Center - Room 17-264C

Friday, May 20, 1960 - 1:30-5:00 P. M.

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| Elucidation of Fatty Acid Metabolism with Radioactive Tracers | James F. Mead, Ph. D. |
| Chemical Effects of Radiation in Biologically Important Systems | Lawrence S. Myers, Jr., Ph. D. |
| Effects of Tritiated Compounds on E. Coli | Stanley R. Person, Ph. D. |
| The <u>in vitro</u> Organization of Single Beating Heart Cells into Beating Fibers | Isaac Haray, Ph. D. |
| Effects of Partial and Whole-Body Irradi- ation on Mitochondria | Ole Arne Schjeide, Ph. D. |
| Radiation Mortality Studies: Effects of Exposure Rates on Protective Action of Drugs | James L. Leitch, Ph. D. |
| Late Effects of Radiation Exposure | Baldwin G. Lamson, M. D. |

Intermission

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| Neurophysiological Effects of Radiation Exposure | Thomas J. Haley, Ph. D. |
| Soil Treatments Modifying Fission Products Accumulation in Economic Crops | Evan M. Romney, Ph. D. |
| Nevada Test Site - Facts and Fancies | Kermit H. Larson, M. S. |
| Studies of Bone Metabolism with Radio- tracer Techniques | Norman S. MacDonald, Ph. D. |
| Radiozinc Metabolism | Thomas G. Hennessy, M.D., Ph.D. |
| The Hippuran Renogram | George V. Taplin, M. D. |

DINNER

Bel Air Country Club
10768 Bellagio Road

7:30 P. M.

1069666

DOE ARCHIVES

SPECIAL PROGRAM REVIEWS BY

DR. H. G. WOOD AND DR. J. G. HORSFALL

Thursday, May 19, 1960

1:30 P. M. - 5:00 P. M.

BIOCHEMISTRY AND PHYSICAL CHEMISTRY

Medical Center Room 17-057

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| Elucidation of Fatty Acid Metabolism with Radioactive Tracers | James F. Mead, Ph. D. |
| Products of γ -irradiation of Deaerated Dilute Potassium Oleate | David R. Howton, Ph.D. |
| Carbohydrate Metabolism and Control Mechanisms | Isaac M. Harary, Ph. D. |
| Intermission | |
| Role of Oxygen and Hydrogen Peroxide in the Radiation Decomposition of Ferriprotoporphyrin | Lawrence S. Myers, Ph.D. |
| Effect of pH and Solution Composition on the Destruction of Ferriprotoporphyrin by Radiation | Mary-Louise Gurley, Ph.D. |

ENVIRONMENTAL RADIATION

Environmental Radiation Laboratory
7425 Fulton Avenue
North Hollywood

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| Soil Properties Modifying Fission Product Accumulation in Economic Crops | Hideo Nishita, Ph. D. |
| Soil Treatments Modifying Fission Products Accumulation in Economic Crops | Evan M. Romney, Ph. D. |
| Some Plant Response to Lime | William A. Rhoads, Ph. D. |
| Do Populations "See" Fallout? | Norman R. French, Ph.D. |
| Intermission | |
| Farming with Fallout | Howard Hawthorne, Ph.D. |
| Radiochemical Problems of Environmental Assessment | Jon H. Olafson, M. S. |
| Nevada Test Site - Facts and Fancies | Kermit H. Larson, M. S. |

DOE ARCHIVES

1069667

EXECUTIVE SESSION OF THE COMMITTEE

Saturday, May 21, 1960

Medical Center - Room 17-264C

9:00 A.M. - 10:30 A.M.

CORNERSTONE CEREMONY

LABORATORY OF NUCLEAR MEDICINE AND RADIATION BIOLOGY

West Medical Campus
900 Veteran Avenue
West Los Angeles

11:00 A.M. - 12:00 Noon

LUNCHEON

UCLA Faculty Center

12:15 P.M. - 1:30 P.M.

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DOB ARCHIVE