

May 6: "The Eclipse Expedition Weighs Anchor." Entire program from deck of *U.S.S. Avocet* at Honolulu. Dr. Gilbert Grosvenor, president of the National Geographic Society; Governor Poindexter, of Hawaii; Admiral Orin G. Murfin, commandant, Navy Yard, Pearl Harbor, and Dr. S. A. Mitchell. Appropriate Hawaiian music as background.

May 10: "At Sea with the Eclipse Expedition." Mid-ocean auditions from the *U.S.S. Avocet*. Members of the expedition personnel and ship's crew—preparations for "Crossing the Line."

May 16: "The Eclipse Expedition Arrives in the South Seas and Chooses Its Island." The broadcast will be direct from the island and will include general description of the landing of the expedition.

May 22: "The Eclipse Expedition at Home in the South Seas." Academic discussion by the scientific personnel and general discussion and interesting sidelights by the non-scientific personnel.

May 25: "News from Home" and "Entertainment for the Eclipse Exiles." The program opens in New York with music (seven minutes) and press radio news (five minutes). It then shifts to Washington, where eight minutes will be devoted to messages to the expedition from the National Geographic Society and to personal messages to individuals. The program will then return to New York for ten minutes of music and variety.

May 30: "The Eclipse Expedition Celebrates Decoration Day in the South Seas." Reporting news items from the expedition, interesting observations and personal messages from individual members.

June 1: Duplicate of Broadcast of May 25.

June 7: "Dress Rehearsal for the Eclipse." Roll call and a quick report from each member as to his final preparations.

June 8: Preliminary to the main program (which will follow several hours later) primarily for the purpose of establishing contact channels for the principal broadcast. Announcer George Hicks will make a general commentary, discuss the weather, etc.

June 8: "Description of the Total Eclipse of the Sun from the Area of Totality in the South Seas." Announcer George Hicks and members of the scientific staff.

June 8: "What the Eclipse Expedition Saw." Ten minutes devoted to a brief report to the National Geographic Society by Dr. S. A. Mitchell and his scientific staff, following which the program shifts to Washington, where National Geographic Society officials reply for five minutes.

#### APPOINTMENTS AND PROMOTIONS AT THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY

PROMOTIONS and new appointments have been made at the Massachusetts Institute of Technology as follows:

Members of the faculty promoted to the rank of full professor are: Professors Ralph D. Bennett and Edward L. Bowles, department of electrical engineering; Karl D. Fernstrom, department of business and engi-

neering administration; Philip Franklin, department of mathematics; Murray P. Horwood, department of biology and public health; George Seatchard, department of chemistry, and Edward R. Schwarz, department of mechanical engineering.

Promoted from assistant professorships to associate professor are: Edward S. Taylor and Arthur L. Townsend, department of mechanical engineering; Raymond D. Douglass, department of mathematics; Bernard E. Proctor, department of biology and public health; John B. Wilbur, department of civil and sanitary engineering; Murray F. Gardner, Richard H. Frazier and Parry H. Moon, department of electrical engineering, and John Wulff, Wayne B. Nottingham and Nathaniel H. Frank, department of physics.

Members of the staff promoted to the rank of assistant professor are: Herbert C. Moore and Charles W. MacGregor, department of mechanical engineering; Ernest N. Gelotte, department of architecture; Robert S. Harris, department of biology and public health; Ronald H. Robnett, department of business and engineering administration; George G. Marvin and Edmund L. Gamble, department of chemistry; Arthur C. Ruge, department of civil and sanitary engineering; William M. Hall, department of electrical engineering; Paul C. Eaton, department of English; Robert H. Cameron, department of mathematics, and Morris Cohen, department of mining and metallurgy.

Promoted to the rank of instructor are: Archibald Williams, business and engineering administration; George A. Akin, chemical engineering; Edward R. Livernash, department of economics and social science; Henry E. Kiley, Leopold R. Michel, Blake Mills and Roger L. Putney, department of mechanical engineering, and Reinhardt Schuhmann, Jr., department of mining and metallurgy.

New appointments include: H. W. Fairburn as assistant professor of geology; Niels H. Larsen, instructor in architecture; Robert V. Lukes, instructor in chemical engineering; Alberto F. Thompson, Jr., instructor in chemistry, and James G. Baker, assistant director of the School of Chemical Engineering Practice.

#### GRANTS AWARDED BY THE AMERICAN PHILOSOPHICAL SOCIETY

THE committee on research of the American Philosophical Society, at meetings held on December 11 and February 12, made grants as follows:

Davenport Hooker, University of Pittsburgh, for functional and morphological studies of human prenatal development .....	\$ 500
Ralph A. Beebe, Amherst College, for the direct measurement of heats of adsorption at low temperatures and the measurement of rates of adsorption under accurately controlled pressures of gas .....	1,000

Laurence Irving, University of Toronto, for the study of physiological adjustments of respirations in diving mammals .....	\$1,050
Robert K. Enders, Swarthmore College. The mammals of the Chiriqui region of Panama, with reference to their distribution, affinities, faunal relationships and life histories; to collect material for anatomical and embryological studies .....	800
Earle Radcliffe Caley, Princeton University, for the application of chemistry to archeology—the restoration and preservation, chemical examination of ancient objects, etc. ....	2,250
Joel Stebbins, University of Wisconsin, for the development and improvement of photo-electric amplifier; application to photometry and colorimetry of stars; study of space-reddening and of dimensions and constitution of the galaxy .....	1,000
Harold O. Burdick, Alfred University, for investigation of the rôle of the tubo-uterine junction to determine if this region acts like a valve which is directly or indirectly controlled by hormones .....	500
Murray B. Emeneau, Yale University, for the continuation of the study of Dravidian (and Munda) languages of India .....	2,000
James A. G. Rehn, Academy of Natural Sciences, for distributional investigation of the Orthoptera occurring in certain areas of New Mexico, Arizona, Nevada and California .....	500
Alexander Weinstein, Columbia University, for multiple-strand crossing over and coincidence .....	1,500
F. B. Isely, Trinity University, Texas, for the study of the ecology of Orthopterous insects .....	600
Hertha Sponer, Duke University, for investigation of absorption spectra of polyatomic molecules, especially in the photographic infra-red .....	800
Karl F. Herzfeld, Catholic University of America, for theoretical investigation of the absorption spectra of organic compounds .....	1,200
William Bell Dinsmoor, Columbia University, for a detailed study of the history, design, decoration and construction of the architectural monuments of ancient Greece in the age of Pericles .....	1,500
Anna R. Whiting, University of Pennsylvania, for a study of genetically different eye and body colors in mosaic males of <i>Habrobracon juglandis</i> (Ashmead) .....	500
Ralph E. Cleland, Goucher College, for the continuation of joint study of the cyto-genetics and phylogeny of <i>Oenothera</i> ( <i>Onagra</i> ), the evening primrose .....	1,500
Rudolf Höber, University of Pennsylvania, for the study of characteristic effects of organic ions on the secretory power of the isolated perfused liver .....	300
Albert T. Volwiler, Ohio University, for the preparation for publication of the correspondence between President Benjamin Harrison and James G. Blaine, his secretary of state .....	1,000
Enos E. Witmer, University of Pennsylvania, for the tabulation and study of the energy levels of the asymmetrical rotator .....	500

## DEDICATION OF THE NEW BUILDING OF MELLON INSTITUTE

THE new building of Mellon Institute, which will be dedicated on May 6, was described in the issue of SCIENCE for April 9. The program in connection with the dedication ceremonies has now been announced.

At the formal dedication of the building in the afternoon of May 6 in Carnegie Music Hall, with Dr. Edward R. Weidlein, director of the institute, presiding, addresses will be given by three Nobel laureates: Dr. Irving Langmuir, chemistry; Dr. H. C. Urey, physical chemistry, and Dr. W. P. Murphy, medicine. Brief addresses will be given by Andrew W. Mellon and Richard K. Mellon, representing the founders.

The trustees' dinner will be held in the evening of the same day, among the speakers being Dr. Benjamin T. Brooks, Dr. Karl T. Compton and Dr. F. C. Whitmore. A. V. Davis, chairman of the board of the Aluminum Company of America, will be toastmaster. Trustees of the institute comprise John G. Bowman, president, Dr. Weidlein, vice-president, Henry A. Phillips, secretary-treasurer, Andrew W. Mellon and Richard K. Mellon.

There will be a symposium on "Recent Progress in Science," on the morning of Friday, May 7, in Carnegie Music Hall. The speakers will include Dr. G. O. Curme, Jr., Dr. F. B. Jewett, Sir Frederick Banting and Dr. W. W. G. MacLachlan.

The new building, which it has taken six years to complete, is to be dedicated to science and humanity in honor of Andrew W. and Richard B. Mellon, founders of the institution, who in 1911 gave support to the research fellowship system advanced by the late Robert Kennedy Duncan by establishing a specific department at the University of Pittsburgh and in 1913 placed the system on a permanent basis with the organization of Mellon Institute.

The detailed program for the dedicatory week follows:

Thursday, May 6, 9:00 A.M., assembly of out-of-town guests at the institute's new building; 10:00 A.M., preview of the building for former fellows, past and present research donors and other guests; 12:00 M., luncheon, Hotel Schenley, and luncheon sponsored by the Robert Kennedy Duncan Club for former fellows, University Club; 2:00 P.M., dedication exercises, Carnegie Music Hall; trustees' dinner, 7:30 P.M., William Penn Hotel.

Friday, May 7, 10:00 A.M., Symposium on Recent Progress of Science, Carnegie Music Hall; 12:30 P.M., luncheon for visiting scientists, University Club; 2:30 P.M., special meeting of Robert Kennedy Duncan Club, Institute Auditorium, and inspection of the new building and special exhibits; 7:00 P.M., group dinners for visiting scientists.

The new building will be open to the public on Saturday, May 8, from 10:00 A.M., to 10:00 P.M., and on Sunday, May 9, from 1:00 to 7:00 P.M.