

Carnegie Institution of Washington; Owen D. Young; Dr. Simon Flexner, director of the Rockefeller Institute for Medical Research; Dr. John J. Carty, vice-president of the American Telephone and Telegraph Company; Dr. William H. Welch, director of the School of Hygiene and Public Health of Johns Hopkins University; Professor A. B. Lamb, of Harvard University; Professor Oswald Veblen, of Princeton University; Dr. Thomas H. Morgan, of Columbia University; Dr. George E. Hale, director of Mount Wilson Observatory, Pasadena, California.

Other members of the fund's special board of trustees are: Andrew W. Mellon, Charles E. Hughes, Henry M. Robinson, John W. Davis, Julius Rosenwald, Dr. James H. Breasted, director of the Oriental Institute of the University of Chicago, Felix Warburg and Professor L. R. Jones, of the University of Wisconsin.

#### APPROPRIATIONS FOR THE UNITED STATES DEPARTMENT OF AGRICULTURE

THE annual agricultural department supply bill was reported in the house on January 23 by the appropriation committee. The measure provides for a total expenditure of \$126,220,000 during the fiscal year, representing an increase of \$486,000 over last year's bill, but a decrease of \$3,245,000 from budget estimates.

For continuance of federal aid to states in road construction the measure recommends appropriation of \$75,000,000, which is \$1,000,000 below current funds, but increasing from \$4,000,000 to \$5,000,000 funds for building forest roads and trails.

The bill allots \$2,521,000 to the Weather Bureau, an increase over current funds of \$178,165, which the committee explained is necessary to cover an increase of \$147,000 in telegraphic tolls on transmitting weather reports and to provide for additional field stations.

For farmers cooperative demonstrations, the measure again appropriates \$1,308,000, while \$630,000, an increase of \$20,000, is recommended for the inspection and quarantine work of the Bureau of Animal Industry.

A total appropriation of \$1,440,000 is made for agricultural experimental stations, in accordance with the Purnell Act of the last Congress. This is an increase of \$480,000 over current funds.

Other appropriations include: Bureau of animal industry, \$8,369,000, decrease of \$15,000; bureau of dairy industry, \$490,790, decrease of \$5,000; bureau of plant industry, \$3,853,000, decrease of \$28,000; forest service, \$8,232,000, increase of \$38,000; bureau of entomology, \$2,606,000, increase of \$51,000;

bureau of agricultural economics, \$4,731,000, decrease of \$6,000.

To purchase land to be included in the upper Mississippi River wild life refuge, the bill appropriates \$25,000 compared with a current appropriation of \$400,000. The report explained that inasmuch as work on this project did not start until the beginning of the present fiscal year, the recommended appropriation with that remaining from current funds would be sufficient.

#### THE GUGGENHEIM FUND FOR AERONAUTICS

THE endowment of chairs of aeronautics in universities in the West, South and Southwest is proposed by the Daniel Guggenheim fund for the promotion of aeronautics, which will spend \$2,500,000 to foster aeronautical science in the next ten years.

Daniel Guggenheim has given \$500,000 to New York University for an aeronautical school there. The Boston School of Technology already has such a course. The demand for technical education in flying in the East is thus considered to be met. Besides endowing professorships, a school of aeronautics may be founded in some engineering college on the Pacific Coast.

Harry F. Guggenheim suggested that the fund might encourage trade schools to set up courses in plane building and rigging. He suggested also that fellowships be founded enabling engineering graduates to take postgraduate courses at aeronautical schools. Other fellowships would send aircraft students abroad.

Other research under consideration includes problems in connection with helicopters, radio direction finders and leader cables. Fundamental research in aerodynamics is also to be encouraged.

#### MEETING OF THE SOUTHWESTERN DIVISION OF THE AMERICAN ASSOCIATION

THE seventh annual meeting of the Southwestern Division of the American Association for the Advancement of Science will be held in Phoenix, Arizona, on February 15, 16, 17 and 18, under the presidency of Professor T. D. A. Cockerell, of the University of Colorado.

The plans for the meeting include many lectures which will be of interest to the general public as well as to men and women of science. These will be delivered at the general sessions of the division. The section programs are being planned with especial care and it is anticipated that these meetings will prove more profitable and interesting than ever before. The custom of a noon-day luncheon, followed by a symposium, has become an established feature of the

division meetings. Symposia topics for the coming meeting include research, archeology, education and radiation.

Registration and all section meetings will be held in the educational rooms of the First M. E. Church, on the northwest corner of Second Avenue and Munroe Street. General sessions, in the afternoon and evenings, will be held in the High School Auditorium, East Van Buren Street. Announcements concerning luncheons, excursions and other special features will appear on the general program.

All members of the association are urged to prepare papers dealing with their original research in any line and submit titles of such papers to the proper section chairman. Those who are to present papers or are to deliver addresses at the Phoenix meeting are requested to prepare, as soon as possible, two copies of an abstract of the paper or address, not to exceed twenty-five lines in length. One copy of this abstract and a copy of the manuscript should be sent to the chairman of the section before which the paper is to be read. The other copy of the abstract should be sent to Dr. Elliott C. Prentiss, 515 Roberts Banner Bldg., El Paso, Texas. The time limit for reading papers is twenty minutes.

Phoenix is well equipped to take care of members or others in attendance from distant points. Hotel accommodations may be arranged for through Robert Q. Grant, U. S. Weather Bureau, Phoenix. Plans for excursions to points of interest and other entertainments will be announced in the general program. At least one all-day archeological excursion is planned. The Salt River Valley is rich in archeological material, and an opportunity will be afforded to see the most important features.

Section chairmen for the meeting are as follows:

*Biology*: Professor Charles T. Vorhies, University of Arizona.

*Education*: Dr. Frank C. Lockwood, University of Arizona.

*Medical Science*: Dr. Gerald B. Webb, 402 Burns Bldg., Colorado Springs.

*Physical Science*: Dr. O. C. Lester, University of Colorado.

*Social Science*: Professor E. B. Renaud, University of Denver.

## SCIENTIFIC NOTES AND NEWS

THE Academy of Natural Sciences of Philadelphia announces that the 1926 Hayden Memorial Geological Award will be made to Dr. William Berryman Scott, professor of geology at Princeton University. The award will be made in recognition of Dr. Scott's "many researches and publications in the field of vertebrate paleontology." The committee on the Hayden Memorial Geological Award for 1926 consists of the following individuals: Dr. R. A. F. Penrose, Jr.,

chairman, Dr. Henry Fairfield Osborn, Dr. Henry A. Pilsbry, Dr. Charles D. Walcott and Dr. Edgar T. Wherry. The award, which consists of a gold medal, is made once in three years, and was founded as a recognition of preeminent work by "publication, exploration, discovery or research in the sciences of geology and paleontology."

PROFESSOR ROBERT A. MILLIKAN, director of the Norman Bridge Laboratory of Physics at the California Institute, will give a course of lectures at Cornell University next spring under the provisions of the Hiram J. Messenger Foundation.

DR. E. W. WASHBURN, editor of the "International Critical Tables," has been appointed chief of the chemical division of the U. S. Bureau of Standards.

PROFESSORS ANTON J. CARLSON and Arno B. Luckhardt, of the department of physiology at the University of Chicago, have been elected foreign members of the Deutsche Akademie der Naturforscher, Halle, Germany, founded in 1652.

PROFESSOR A. S. HITCHCOCK, custodian of grasses, U. S. National Herbarium, has been elected a corresponding member of the German Botanical Society.

ROBERT M. GREY, superintendent of the botanical gardens in Cuba of the Harvard Institute for Tropical Biology and Medicine, maintained under the Atkins Foundation, has been awarded the Meyer memorial medal by the American Genetic Association for his introduction of plants into Cuba and for the production of new varieties of sugar cane.

THE Society of American Bacteriologists has elected the following foreign bacteriologists to corresponding membership: Winogradsky (Russia-France), Beijerinck (Holland), Omeliansky (Russia), Neufeld (Germany), Kitasato (Japan). There are now eighteen corresponding members representing various foreign countries.

DR. OLOF JONASSON, of Stockholm, who has been studying in this country under the auspices of the American Scandinavian Foundation, was awarded an honorary Ph.D. in geography by Clark University on February 1, on the occasion of the founders day exercises of the university.

DR. WILLIAM W. KEEN, emeritus professor of the principles of surgery and clinical surgery, Jefferson Medical College, celebrated his eighty-ninth birthday on January 19.

THE well-known psychologist, Professor V. M. Bekhterev, of the USSR Academy of Sciences, is celebrating this year the 40th anniversary of his scientific career. The Council of People's Commissaries has granted 25,000 roubles for the equipment