

Surgeons of New York City, and Dr. G. W. Corner, of the Carnegie Institution, were elected to the board, and the latter to the chairmanship of the Scientific Advisory Committee, Arthur W. Page, under whose presidency the association's activities were developed to a high degree, having resigned due to pressure of other duties, Dr. Robert Cushman Murphy, of the American Museum of Natural History, was elected to succeed him as president of the association.

#### MEDALISTS OF THE ROYAL SOCIETY

KING GEORGE has approved the recommendations made by the Council of the Royal Society for the award of the two Royal Medals for the current year as follows:

To Professor P. M. S. Blackett, F.R.S., for his studies of cosmic rays and the showers of particles which they produce, for his share in the discovery of the positive electron, for his work on mesons and many other experimental achievements.

To Dr. F. H. A. Marshall, F.R.S., for his contributions to the physiology of animal reproduction.

The following awards of medals have been made by the president and council of the society:

The Copley Medal to Professor P. Langevin, For. Mem. R.S., for his pioneer work in the electron theory of magnetism, his fundamental contributions to discharge of electricity in gases and his important work in many branches of theoretical physics.

The Rumford Medal to Professor K. M. G. Siegbahn for his pioneer work in high precision x-ray spectroscopy and its applications.

The Davy Medal to Professor H. C. Urey for his isolation of deuterium, the heavy hydrogen isotope, and for his work on the use of this and other isotopes in following the detailed course of chemical reactions.

The Darwin Medal to Professor J. P. Hill, F.R.S., for his contributions to problems bearing on the interrelationships of the main groups of the Mammalia and on the phylogenetic history of the Primates.

The Sylvester Medal to Professor G. H. Hardy, F.R.S., for his important contributions to many branches of pure mathematics.

The Hughes Medal to Professor A. H. Compton for his discovery of the Compton effect, and for his work on cosmic rays.

## SCIENTIFIC NOTES AND NEWS

SIR HENRY DALE, director of the National Institute for Medical Research, London, has been elected president of the Royal Society.

WILLIAM BENJAMIN GREGORY, professor emeritus of experimental engineering and hydraulics at Tulane University and consulting engineer, was presented with the Worcester Reed Warner Medal at the sixty-first annual meeting of the American Society of Mechanical Engineers. This medal is awarded annually for contributions to permanent engineering literature. It is named in memory of W. R. Warner, co-founder of The Warner and Swasey Company, who was a charter member of the society and its president in 1897. Its establishment was made possible by a provision in Mr. Warner's will.

DR. WILLIAM CROCKER, director of the Boyce Thompson Institute of Plant Research and president of the Yonkers Board of Education, was the guest of honor on December 2 at a dinner in the City Club, tendered him by the members of the Yonkers Inner Circle, which has designated him as the outstanding citizen of Yonkers.

FRANCIS C. FRARY, director of research for the Aluminum Corporation of America, was elected president of the American Institute of Chemical Engineers at the New Orleans meeting. He succeeds Dr. Webster N. Jones, of Pittsburgh. Sidney D. Kirkpatrick was elected vice-president, Stephen L. Tyler was re-

elected executive secretary, and Carl R. DeLong was reelected treasurer.

THE following officers of the New York Academy of Medicine were elected on December 5: *President*, Dr. Malcolm Goodridge, professor of clinical medicine at the Cornell University Medical College; *Vice-president*, Dr. Henry Cave, assistant professor of surgery, Columbia University; *Trustees*, Drs. George Baehr and Arthur F. Chace; *Members of Committee on Library*, Drs. Alfred E. Cohn, Howard R. Craig and Jerome P. Webster; *Members of Committee on Admission*, Drs. J. William Hinton, John E. Scarff, William E. Studdiford and Edward Tolstoi.

OFFICERS of the American Pharmaceutical Association have been elected as follows: *President-elect*, B. V. Christensen; *First Vice-president*, J. K. Attwood; *Second Vice-president*, L. W. Rowe; *Members of the Council*, R. L. Swain, P. H. Costello and F. E. Bibbins. The next annual meeting of the association will be held in Detroit from August 17 to 23.

WALTER L. WIRTH, superintendent of parks of New Haven, Conn., was elected president of the American Institute of Park Executives at the recent Cleveland meeting.

It is reported in *Nature* that at the annual statutory meeting of the Royal Society of Edinburgh, held on October 28, the following officers were elected: *President*, Professor E. T. Whittaker; *Vice-presidents*, Dr.

Leonard Dobbin, J. A. Inglis, Professor R. Stockman, Professor James Ritchie, Dr. G. W. Tyrrell and Professor C. T. R. Wilson; *General Secretary*, Professor James P. Kendall; *Secretaries to the Ordinary Meetings*, Professor R. J. D. Graham and Professor W. M. H. Greaves; *Treasurer*, Dr. E. M. Wedderburn; *Curator of the Library and Museum*, Dr. J. E. Mackenzie.

CHARLES JOSEPH TILDEN, since 1919 Strathcona professor of engineering mechanics at Yale University, has retired with the title of professor emeritus.

THE Council of National Defense, composed of six cabinet members—the Secretaries of War, Navy, Interior, Agriculture, Commerce and Labor, has appointed Paul V. McNutt, Federal Security Administrator, coordinator of “all health, medical welfare, nutrition, recreation and other related fields of activity affecting the national defense.”

DR. EUGENE F. DUBOIS, professor of medicine at the Cornell University Medical College, has been appointed chairman of the sub-committee on clinical investigation of the National Research Council. This committee reviews problems submitted by the Surgeon Generals of the United States Army and Navy.

MEMBERS of the faculty of the University of California who will devote part of their time to scientific research on mechanisms and devices of warfare include Dr. Ernest O. Lawrence, professor of physics and director of the Radiation Laboratory at the university at Berkeley; Dr. Donald Cooksey, assistant director of the laboratory, and Dr. Vern O. Knudsen, professor of physics at Los Angeles, and Dr. William Crowell Bray, Dr. William F. Giaque and Dr. Wendell M. Latimer, of the department of chemistry at Berkeley.

DR. HERMON CAREY BUMPUS has resigned as chairman of the Educational Advisory Board of the National Park Service. He is succeeded by Edmund H. Abrahams, of Savannah, Georgia.

DR. ROBERT A. STEWART, who obtained the degree of doctor of philosophy in agricultural biochemistry at the Pennsylvania State College in August, has been appointed biochemist with the Quaker Oats Company, Chicago.

DRS. E. RUFFIN JONES, JR., and Frederick F. Ferguson, of the Norfolk Division of the College of William and Mary and the Virginia Polytechnic Institute, have recently received a grant from the American Association for the Advancement of Science through the Virginia Academy of Science, to assist in their work on the Turbellaria of the Norfolk area.

DR. ARTHUR L. DAY, who retired in 1936 as director of the Geophysical Laboratory of the Carnegie Insti-

tution of Washington, lectured before the department of geology of the Ohio State University on the afternoons of December 2 and 3 and before the Society of the Sigma Xi of the university on the evening of December 3. The subjects of the lectures were “Geysers,” “Hot Springs and Volcanism” and “The Hot Springs of New Zealand and Yellowstone Park.”

DR. A. BAIRD HASTINGS, professor of biological chemistry in the Harvard Medical School, will deliver on December 19 the third Harvey Society Lecture of the current series at the New York Academy of Medicine. He will speak on “The Electrolytes of Tissues and Body Fluids.”

DR. G. H. PARKER, of Harvard University, spoke on December 5 at the University of New Hampshire on “A Modern View of the Action of the Nervous System.” The address was given under the auspices of the Graduate Science Society as a part of the celebration of the seventy-fifth anniversary of the founding of the University of New Hampshire.

DR. S. R. DETWILER, professor of anatomy at Columbia University, gave on November 25 at the University of Alabama a lecture, under the auspices of the Alabama Chapter of Sigma Xi, on the “Biological Aspects of Vision.”

DR. ROSS A. MCFARLAND, assistant professor at the Fatigue Laboratory of Harvard University, gave a lecture on November 8 to a joint meeting of the Union College chapters of Phi Beta Kappa and Sigma Xi on “The Psycho-physiological Effects of High Altitude on the Human Organism.” Before the lecture, President Dixon Ryan Fox, of Union College, addressed the societies at a dinner at Hale House.

DR. KARL EVANG, director of public health of the Royal Norwegian Government, gave a lecture on December 9 at Swarthmore College under the auspices of the department of zoology. He spoke on “Problems of Nutrition in Norway Before and After the German Invasion.”

THE twenty-ninth annual meeting of the Oklahoma Academy of Science opened at the University of Oklahoma on December 6 under the presidency of Dr. G. L. Cross, head of the department of botany. Dr. George T. Moore, director of the Missouri Botanical Garden, St. Louis, was the principal speaker. His address was entitled “On Being Scientific.”

IN conjunction with the medical sessions of the American Association for the Advancement of Science at Philadelphia a discussion on biochemistry and physiology in relation to mental disease will be held on Tuesday, December 31, at 2 P.M., in the auditorium of the Institute of the Pennsylvania Hospital. Dr.

Nolan D. C. Lewis will be chairman, and various aspects of the subject will be discussed by Drs. Detlev W. Bronk, Ernst Gellhorn, R. W. Gerard, Harold E. Himwich, Hudson Hoagland and S. Bernard Wortis. Besides discussion of the papers it is hoped that there will be time for short reports by others present. Those wishing to present such a report should inform Dr. Lewis or Dr. Elliott before the meeting.

ALL meetings of the British Astronomical Association have been postponed until further notice.

THE International Association for Dental Research celebrated on December 10 its twentieth anniversary at the St. Moritz Hotel, New York. Wilmer Souder, of the National Bureau of Standards; Dr. William J. Gies, of Columbia University, president and founder of the association, respectively, and Brigadier General L. C. Fairbanks addressed the meeting.

It is announced that requests to the National Research Council Committee for Research in Endocrinology for aid during the fiscal period from July 1, 1941, to June 30, 1942, will be received until January 31. Application blanks may be obtained by addressing the Division of Medical Sciences, National Research Council, 2101 Constitution Avenue, Washington, D. C. In addition to a statement of the problem and research plan or program, the committee desires information regarding the proposed method of attack, the institutional support of the investigation and the uses to be made of the sum requested. No part of any grant may be used by the recipient institution for administrative expenses. Applications for aids of endocrine research on problems of sex in the narrower sense can not be given favorable consideration, but the committee will consider support of studies on the effects of sex hormones on non-sexual functions—*e.g.*, on metabolism.

THE Board of Directors of the Josiah Macy, Jr. Foundation, founded by Mrs. Walter G. Ladd in memory of her father, held on November 19 its annual meeting making the tenth anniversary of the official operation of the foundation. Two new members were elected: Clarence G. Michalis and Nelson Macy, Jr. Other members of the board are Robert E. Allen, S. Bayne-Jones, Charles S. Burwell, John Dewey, Harry Emerson Fosdick, Ludwig Kast, Dave H. Morris, Lawrence Morris, Willard C. Rappleye, Dean Sage, Paul H. Smart, Edwin S. S. Sunderland

and Samuel Trexler. The following officers were elected: the Honorable Dave H. Morris, *Chairman of the Board*; Dr. Ludwig Kast, *President*; Robert E. Allen, *Treasurer*, and Edwin S. S. Sunderland, *Secretary*. Other officers of the foundation are Lawrence K. Frank, *Vice-president*, and Dr. Frank Fremont-Smith, *Director of the Medical Division*. At the meeting the sum of \$50,000 was appropriated in support of research bearing on health problems affecting national defense. Last year \$135,000 was appropriated, and during the entire period of ten years, the sum of \$1,500,000 has been granted to institutions in the United States and in other countries for research in the field of medicine and health care. Support of work in foreign countries, owing to the international situation, was discontinued a year ago.

NORTHWESTERN UNIVERSITY has received \$635,000 from the estate of the late Dr. John S. Appleman. Of this sum \$135,000 is restricted to the use of the clinics of the Medical School. A gift of \$162,000 has also been received from the Clara A. Abbott trust for the advancement of medical, chemical and surgical science.

AN agreement was signed on December 3 between New York City and the American Museum of Health for the establishment of a permanent health museum in the Medicine and Public Health Building on the grounds of the New York World's Fair in Flushing Meadow Park. Dr. Louis I. Dublin, chairman of the board of the American Museum of Health, and Park Commissioner Robert Moses signed the contract, which provides that the museum will coordinate policies with the Department of Health and the Board of Education to provide instruction in matters of public health. Alterations to the existing structure will be completed on May 1. The American Museum of Health was incorporated in 1937 with George McAneny as president; Frederick Osborn, vice-president, and Sam A. Lewisohn, treasurer. Homer N. Calver will be in charge of the museum.

OWING to reduction in income and shortage of paper, the Scottish *Geographical Magazine* has been compelled to reduce its size and the number of issues per annum. It is hoped to publish annually three issues of forty-eight pages each. It was also found necessary to dispense with the services of a paid editor. J. F. Stewart, a member of the council of the society, has undertaken the honorary editorship in the meantime.

## DISCUSSION

### COLLECTING PELAGIC FORAMINIFERA

DURING the last few years rather intensive work in submarine geology has been conducted at the Woods

Hole Oceanographic Institution under the direction of Henry C. Stetson. In connection with this work study of the Foraminifera contained in the bottom sediments