

Committee on Terrestrial Sciences: Frank B. Jewett, *chairman*, Frederic A. Delano, Homer L. Ferguson, Henry S. Morgan, James W. Wadsworth.

Committee on Biological Sciences: Lewis H. Weed, *chairman*, Thomas Barbour, James F. Bell, Alfred L. Loomis, Stewart Paton.

Committee on Historical Research: Henry R. Shepley, *chairman*, Robert Woods Bliss, Charles A. Lindbergh, Richard P. Strong, Charles P. Taft.

GRANTS OF THE CARNEGIE CORPORATION OF NEW YORK

THE annual report of Dr. Frederick P. Keppel, president of the Carnegie Corporation of New York, has been issued. Grants amounting to \$4,846,126 were made during the fiscal year 1938-39 by the corporation to organizations and individuals in the United States and in the British Dominions and Colonies. Of this sum, \$697,200 was given for library interests, \$1,157,325 for the arts, \$1,253,650 for research, studies and publications, \$204,921 for adult education and \$1,533,030 for the general program of the corporation. The largest grant made during the year was \$250,000, given to complete the sum necessary to establish joint academic library services for Vanderbilt University, Peabody College and Scarritt College at Nashville, Tennessee.

Grants for scientific research amounted to \$137,500, and those for educational investigation, \$233,550. Grants were made to the amount of \$432,500 for the purpose of carrying forward the work of the Institute of International Education, with headquarters in New York, and of the New Zealand Council for Educational Research. The American Association for Adult Education, the National Occupational Conference, the Committee on Scientific Aids to Learning and the American Law Institute received the sum of \$295,400 for work in their respective fields; \$177,000 was voted to the Association of American Colleges, the American Council of Learned Societies and the National Bureau of Economic Research.

Grants of \$500,436 were made for the British Dominions and Colonies. In South Africa these funds have been used chiefly for scientific inquiry; in New Zealand and Australia emphasis has been on educational research, libraries and social services. In Can-

ada grants have been made primarily to continue research programs in colleges and universities and to forward library extension.

Appropriations for scientific work authorized and payable during the fiscal year 1938-1939 included:

University of Puerto Rico, School of Tropical Medicine, development of library. \$13,500.

University of Michigan, experiments in microphotography. \$8,000.

New York Museum of Science and Industry. \$52,625.

American Museum of Health, studies in field of health education. \$30,000.

American Museum of Natural History. \$25,000.

American Association of Museums. \$12,000.

Research in genetics as it relates to intelligence, University of Iowa. \$2,000.

The Carnegie Institution of Washington. \$79,000.

School of Medicine, Yale University clinic of child development. \$30,000.

Harvard University. \$57,500.

National Research Council. \$106,300.

American Mathematical Society, to establish in the United States an international journal of mathematics. \$60,000.

Research Council on the Problems of Alcohol, preliminary survey. \$25,000.

Marine Biological Laboratory, Woods Hole, Mass., emergency support. \$20,000.

National Academy of Sciences, survey regarding a national science fund. \$15,000.

Zoological Society of London, publication of *Nomenclator Zoologicus*. \$6,000.

American Neurological Association, research on heredity of mental diseases. \$3,000.

Long Island Biological Association. \$3,000.

Dental research, various institutions. \$53,500.

In aid for research on insulin. \$5,000.

Comprehensive study of the Negro in America. \$55,000.

Brown University, development of work in mathematics. \$6,000.

American Mathematical Society, support of International Congress of Mathematics, 1940. \$4,500.

American Association for the Advancement of Science, support of educational program. \$4,000.

American Geophysical Union, Seventh Triennial Assembly of International Union of Geodesy and Geophysics, 1939. \$3,000.

SCIENTIFIC NOTES AND NEWS

DR. HENRY NORRIS RUSSELL, director of the observatory at Princeton University, was elected to honorary membership in the New York Academy of Sciences at the recent annual meeting.

THE decoration of "Officer of the Order of Leopold" has been conferred by the King of the Belgians on Dr. James B. Murphy, member of the Rockefeller Insti-

tute, New York, in recognition of his work in the field of cancer research.

THE President of the Republic of Cuba has awarded decorations of the Order of Carlos J. Finlay to several public health workers from the United States and Mexico. The recipients, who were decorated at a recent meeting of the Florida Public Health Association

at Jacksonville by Dr. Domingo F. Ramos, director of Public Health in Cuba and Minister of National Defense, included Dr. Angel de la Garza Brito, dean of the School of Hygiene, Mexico City; Dr. G. T. Dunna-hoo, past assistant surgeon of the United States Public Health Service, Miami; Dr. George MacDonnell, city health officer, Miami, each of whom received the officer's medal, and Dr. Reginald M. Atwater, executive secretary of the American Public Health Association, New York, who received the Commander's medal.

At a testimonial meeting at the Bohemian Club of San Francisco, Dr. Karl F. Meyer, director of the Hooper Foundation of Medical Research of the University of California, and Dr. J. C. Geiger, director of public health of San Francisco, were presented with special embossed scrolls "in recognition of their service in the conquering of botulism and of the appreciation of the nation's canners." Representatives of the University of California, Stanford University, the State of California, the City of San Francisco and of the canning industry were present. The work on botulism was initiated by the late Dr. E. C. Dickson, who was later joined by Dr. Meyer and Dr. Geiger.

DR. MARY SWARTZ ROSE, professor of nutrition at Teachers College, Columbia University, received the annual award of the Associated Grocery Manufacturers of America at the recent annual convention in New York, "in recognition of her contributions to the science of nutrition, the part she has played in the dissemination of scientific information concerning foods, her authorship in this field and her outstanding career as a teacher of others who teach nutrition."

MARY C. BUEHNE, administrative assistant in the office of the secretary of the American Chemical Society, completed twenty-five years of service on November 17. Her associates gave her a testimonial luncheon to express their appreciation and esteem on November 18. Miss Buehne was presented with a silver coffee service.

DR. GOTTLIEB HABERLANDT, professor emeritus of plant physiology at the University of Berlin, celebrated his eighty-fifth birthday on November 12.

OFFICERS elected at the recent Pittsburgh meeting of the American Public Health Association were: *President*, Dr. Edward S. Godfrey, Jr., Albany, N. Y.; *President-elect*, Dr. W. S. Leathers, Nashville, Tenn.; *First Vice-president*, Elisabeth L. Smellie, R.N., Ottawa, Canada; *Second Vice-president*, Dr. Domingo F. Ramos, Havana, Cuba; *Third Vice-president*, Dr. Wilton L. Halverson, Pasadena, Calif.; *Treasurer*, Dr. Louis I. Dublin, New York, N. Y.; *Executive Secretary*, Dr. Reginald M. Atwater, New York, N. Y.; *Chairman of Executive Board*, Dr. Abel Wolman, Baltimore, Md.

DR. THOMAS T. MACKIE, New York, was named president-elect at the recent annual meeting in Memphis of the American Society of Tropical Medicine. Dr. Malcolm H. Soule, professor of bacteriology at the University of Michigan, was elected vice-president, and Dr. E. Harold Hinman, senior biologist of the health section of the Tennessee Valley Authority, was elected secretary. Dr. Louis L. Williams, Jr., Washington, D. C., became president.

At the annual dinner meeting on December 12 of the New York Academy of Sciences, Dr. Roy Waldo Miner, curator of living invertebrates at the American Museum of Natural History, was elected president to succeed A. Cressy Morrison. Vice-presidents elected were: Leslie E. Spock, Anne Anastasi, Horace E. Wood, 2d, Ralph Linton and Victor K. LaMer. Other officers elected were: *Recording Secretary*, Duncan A. MacInnes; *Corresponding Secretary*, C. Stuart Gager; *Treasurer*, Wylls Rosseter Betts, Jr.; *Librarian*, John Hendley Barnhart; *Editor*, Erich M. Schlaikjer; *Councilors*, W. J. V. Osterhout and Douglas W. Johnson; *Members of the Finance Committee*, Herbert F. Schwarz, John D. Sherman, Jr., and Wayne M. Faunce. The address of Mr. Morrison, the retiring president, was entitled "The Practical Benefactions of Pure Science." Richard Archbold gave an account of his third expedition to New Guinea illustrated by motion pictures.

THE following officers and members of the Council of the Royal Society, London, were elected at the anniversary meeting on November 30: *President*, Sir William Bragg; *Treasurer*, Professor T. R. Merton; *Secretaries*, Professor A. V. Hill, Professor A. C. G. Egerton; *Foreign Secretary*, Sir Albert Seward; *Other Members of Council*, Professor F. C. Bartlett, Professor P. G. H. Boswell, Professor F. T. Brooks, Dr. C. G. Darwin, Professor H. M. Fox, Dr. H. J. Gough, Dr. A. D. Imms, Professor C. K. Ingold, Professor G. B. Jeffery, Professor R. T. Leiper, Professor H. S. Raper, Sir Owen Richardson, Professor E. K. Rideal, Dr. F. J. W. Roughton, Professor W. W. C. Topley, Professor R. Whiddington.

DR. F. G. DONNAN, formerly professor of chemistry at the University of London, has been elected president of the British Association of Chemists.

At a meeting of the British General Medical Council on November 28 Dr. H. L. Eason, principal of the University of London, was elected president to succeed Sir Norman Walker, who has served since 1931.

DR. HARRY STACK SULLIVAN, president of the William Alanson White Psychiatric Foundation, has resigned as professor of psychiatry at Georgetown University School of Medicine.

PROFESSOR B. S. MONROE has been made acting dean

of the Graduate School of Cornell University. He succeeds Dr. Floyd K. Richtmyer, who died on November 7. Professor Monroe has been secretary of the Graduate School since 1917.

PROFESSOR HARRY DEXTER WATSON, who is directing the civilian aviation program, has been appointed acting head of the department of mechanical engineering at the College of Technology of the University of Maine. His appointment, which is for the remainder of the academic year, is to fill the vacancy created by the recent death of Professor William Jordan Sweetser, who had been head of the department since 1915.

DR. STANISLAS FRANCIS SNIESZKO, of the University of Krakow, a former Rockefeller Foundation scholar at the University of Wisconsin, has been appointed research assistant in the department of bacteriology at the University of Maine for the remainder of the academic year. The appointment has been made possible through the cooperation of the Maine Cannery Association.

RECENT appointments in the Division of Plant Pathology and Physiology of the Texas Agricultural Experiment Station include: Dr. Charles E. Minarik, plant physiologist in rice investigations at Beaumont, and Dr. Glenn KenKnight, plant pathologist, who will conduct investigations of peanut, watermelon and cantaloupe diseases at Stockdale.

MAJOR GENERAL CHARLES RANSOM REYNOLDS, who retired last June as Surgeon-General of the United States Army, has been appointed chief of the Division of Tuberculosis Control of the Pennsylvania State Department of Health.

DR. J. ALFRED HALL, formerly associate director of the California Forest and Range Experiment Station, U. S. Forest Service, has been named director of the Central States Forest Experiment Station, with headquarters at Columbus, Ohio, to succeed Willis M. Baker, who has resigned to become chief forester for the Tennessee Valley Authority. Dr. Hardy L. Shirley, formerly in charge of silviculture investigations at the Lake States Forest Experiment Station, has been made director of the Allegheny Forest Experiment Station, with headquarters at Philadelphia. He succeeds R. D. Forbes, who will devote his full time to special assignments.

DR. WILLIAM BOWIE, who retired in 1937 as chief of the Division of Geodesy of the U. S. Coast and Geodetic Survey, has been appointed executive secretary of the Society of American Military Engineers and editor of *The Military Engineer*, the journal of the society. He took over his work at the national headquarters in Washington on December 1.

DR. MAX CUTLER, from 1931 to 1937 director of the

Tumor Clinic of the Michael Reese Hospital, Chicago, and Dr. George M. Smith, research associate in anatomy, Yale University School of Medicine, have been appointed members of the National Advisory Cancer Council to succeed Dr. Ludvig Hegtoen, and Dr. Clarence C. Little, director of the Roscoe B. Jackson Memorial Laboratory of Bar Harbor, Me., whose terms have expired. Members include Dr. James B. Conant, president of Harvard University; Dr. Arthur H. Compton, professor of physics at the University of Chicago; Dr. Mont R. Reid, professor of surgery at the University of Cincinnati, and James B. Murphy, of the Rockefeller Institute for Medical Research.

DR. E. D. ADRIAN, professor of physiology in the University of Cambridge, has been appointed to succeed the late Professor John Mellanby as a member of the British Medical Research Council.

DR. JOHN N. COUCH, of the department of botany of the University of North Carolina, has been granted leave of absence for the winter quarter. He will leave Chapel Hill on January 1 for special work in Mexico. He will work in conjunction with the Mexican Department of Forestry, which will furnish guides in return for duplicate specimens of all that is collected.

DR. WLADYSLAW GORCYNski, from 1919 to 1928 chief of the Polish Weather Bureau, is now working at the Scripps Institution of Oceanography of the University of California. He is gathering data for a comparative study of the sunshine in Southern California and the Mediterranean region. Dr. Gorcynski was attending a meeting of the International Union of Geodesy and Geophysics in Washington, D. C., when Germany invaded Poland.

DR. ISAIAH BOWMAN, president of the Johns Hopkins University, and Dr. Perrin Long, associate professor of medicine in the Medical School, spoke at the annual meeting on December 12 of the Johns Hopkins Alumni Association of New York, New Jersey and Connecticut. Dr. Bowman's address was entitled, "Who is Responsible for Peace?" Dr. Long spoke on "Sulphanilamide."

THE History of Science Society will meet with the American Association for the Advancement of Science at Columbus on December 29. The morning session will be devoted to the history of agriculture, with Drs. H. G. Good and C. A. Browne as speakers. At the afternoon session on medical history, the speakers will be Drs. L. T. Moore and E. R. Lang. At the annual dinner Dr. Louis Karpinski, professor of mathematics at the University of Michigan, will give an address on "Organic Unity of the Contributions to the Progress of Mathematical Science."

THE Society of American Bacteriologists will hold its forty-first general meeting at New Haven on December 28, 29 and 30, under the presidency of Professor Arthur T. Henrici, of the University of Minnesota. The occasion will mark the fortieth anniversary of the founding of the society at New Haven on December 29. Professor C.-E. A. Winslow, a charter member, will review "The First Forty Years" of the society's development at the annual banquet, at which the living charter members will be introduced by the toastmaster, Dr. Karl F. Meyer, and presented with testimonials. The annual presentation of the Eli Lilly and Company Research Award in Bacteriology and Immunology will be made at this time. The scientific program will emphasize bacterial chemotherapy, immunity, filterable viruses and fermentation. Other sessions will consider bacterial physiology, dissociation, taxonomy and various aspects of agricultural and industrial microbiology. Round-table discussions will be held on the History of Bacteriology, Bacterial Chemotherapy, the Teaching of Bacteriology and Fermentation.

THE Emergency Executive Committee of the International Congress of Mathematicians has decided definitely to postpone until some more favorable date the congress which was to have been held in Cambridge in September, 1940. Notice to that effect is being sent to the invited speakers and to others interested.

INDEFINITE postponement of the eighteenth session of the International Geological Congress fixed for July 31 to August 8, 1940, in London has been announced. An invitation from the Geological Society of London for the eighteenth session to meet in Great Britain during 1940 had been accepted by the bureau of the seventeenth congress in Moscow in August, 1937. The last previous meeting of the congress in Great Britain was held in 1888, and geologists throughout America

had been formulating plans to attend. At date of taking action to postpone the meeting the officers of the congress had anticipated an attendance of the order of fifteen hundred. The prospective program for the congress had included a wide range of subjects of international interest and importance. Sixteen excursions before and after the session had been arranged to conduct visiting geologists throughout England, Scotland and Wales. Twenty-two individual geological and mining societies and societies concerned with related sciences had supported the Geological Society of London in organizing the session.

FERENCE VON TOMPA, president of the International Congress of Prehistoric and Protohistoric Sciences, announces that the third session of the congress, which was to have been held in Budapest during the summer of 1940, has been postponed pending the establishment of peace in Europe. The American members of the permanent council of the congress are: A. L. Kroeber, University of California; George Grant MacCurdy, Yale University; Harriett M. Allyn, Mount Holyoke College, and Carl E. Guthe, University of Michigan.

THE American League against Epilepsy, composed of physicians, has sponsored an organization called the "Laymen's League against Epilepsy," formed for the purpose of educating the public concerning the various aspects of epilepsy and for stimulating contributions towards research. Officers elected at the first annual meeting on December 4 are as follows: *President*, Mrs. Francis B. Riggs; *Vice-presidents*, Clinton H. Crane and Dr. William G. Lennox; *Secretary-Treasurer*, Mrs. Mary L. Fleming. *Medical sponsors*, Dr. Stanley Cobb, Dr. Irvine McQuarrie, Dr. Adolf Meyer, Dr. Wilder Penfield, Dr. Tracy Putnam and Dr. William Kerr. The office of the society is at the Harvard Medical School, Boston.

DISCUSSION

NON-TECHNICAL BOOKS ON SCIENCE

Two years ago the American Association for the Advancement of Science began the publication of those symposia presented at its meetings that are judged to be "so comprehensive and of such high order of merit that it can not afford not to publish them." Six of these symposia have been published—"Tuberculosis and Leprosy," "Syphilis," "Applications of Surface Chemistry in Biology," "Recent Advances in Chemical Physics," "Mental Health" and "The Migration and Conservation of Salmon." Two more—"Problems of Lake Biology" and "The Gonococcus and Gonococcal Infection"—are about to appear from the press. The manuscripts of two addi-

tional symposia—"The Cell and Protoplasm" and "Blood, Heart and Circulation"—will soon be ready for the printer.

Experience has already proved that in publishing distinguished symposia the association is making an important contribution to the progress of science. For one thing, it is exercising its function as a synthesizing agency. For another, it is making available important scientific material which, at least in the field of public health, is having a profound influence on the country. The inauguration of the publishing of these symposia constitutes the beginning of a new period in the history of the association.

The association is now entering on a new undertak-