

academy shall be ready at all times to give advice when called upon by any branch of government. This privilege has been availed of by government on many occasions. One of the most notable was during the Great War, when the National Research Council was established by the academy at President Wilson's call to mobilize the scientific learning and ability of the country to aid in that great struggle.

I take this opportunity to thank the academy for the advice and assistance it has given the administration during the past two years, particularly where problems pertaining to the scientific policies of the government have arisen.

With renewed congratulations and best wishes, I remain,

To this letter President Campbell replied as follows:

I have the great pleasure of acknowledging the receipt of your esteemed communication of to-day which extends to the members of the National Academy of Sciences a warm welcome to Washington for the holding of the Academy's Annual Meeting of 1935, and expresses your cordial wish for the greater development and usefulness of the academy.

Your letter was read to the members of the academy this afternoon at the opening of the first general assembly of this week's meeting, and I was requested and instructed to convey to you an expression of the academy's deep appreciation of your thoughtful and courteous message.

I am also requested to assure you that the members of the academy are happy in their obligation and privilege of advising the government of the United States on subjects within the domain of the physical and the biological sciences, whenever called upon by any branch or department of the government for such service, under the wise provision of the academy's congressional charter that "the Academy shall receive no compensation whatever for any services to the government."

ELECTION OF OFFICERS AND MEMBERS OF THE NATIONAL ACADEMY OF SCIENCES

DR. FRANK R. LILLIE, professor of embryology and dean of the Division of Biology at the University of Chicago, was elected president of the National Academy of Sciences at the Washington meeting. He succeeds Dr. W. W. Campbell, president emeritus of the

University of California and director emeritus of the Lick Observatory. Dr. Lillie was also elected chairman of the National Research Council, in which office he succeeds Dr. Isaiah Bowman, who has been called to the presidency of the Johns Hopkins University. Dr. Fred E. Wright, of the Carnegie Institution of Washington, was reelected home secretary and Dr. Henry Norris Russell, of Princeton University, and Dr. Ross G. Harrison, of Yale University, were reelected members of the council.

Members of the academy were elected as follows:

Dr. Norman Levi Bowen, petrologist, Geophysical Laboratory of the Carnegie Institution of Washington.

Dr. Charles Manning Child, professor of zoology, University of Chicago.

Dr. George Ellett Coghill, professor of comparative anatomy and member of the Wistar Institute of Anatomy, Philadelphia.

Dr. James Ewing, professor of oncology, Medical College, Cornell University.

Dr. Merritt Lyndon Fernald, Fisher professor of natural history, Harvard University.

Dr. Harvey Fletcher, acoustical research director, Bell Telephone Laboratories, New York.

Dr. Ross Aiken Gortner, professor of biochemistry, University of Minnesota.

Dr. Earnest Albert Hooton, professor of anthropology, Harvard University.

Dr. Jerome Clark Hunsaker, professor of aerodynamics, Massachusetts Institute of Technology.

Dr. Walter Samuel Hunter, G. Stanley Hall professor of genetic psychology, Clark University.

Dr. Dunham Jackson, professor of mathematics, University of Minnesota.

Dr. Chester Ray Longwell, professor of geology, Yale University.

Dr. Harold C. Urey, professor of chemistry, Columbia University.

Dr. John Hasbrouck Van Vleck, professor of physics, University of Minnesota.

Two foreign associates were elected:

Dr. John Scott Haldane, Oxford, honorary professor and director of the Mining Research Laboratory at the University of Birmingham.

Dr. Jules Bordet, Pasteur Institute, Brussels.

SCIENTIFIC NOTES AND NEWS

DR. FRANK B. JEWETT, president of the Bell Telephone Laboratories and vice-president in charge of development and research of the American Telephone and Telegraph Company, who has been awarded the Faraday Medal for distinguished services in the field of communications, sailed for England on April 23 in order that the medal may be presented to him.

DR. RAYMOND M. FUESS, assistant professor of chemistry in Brown University, has received the American Chemical Society award in pure chemistry of \$1,000 for work which resulted in the "first comprehensive theory of electrolytic solutions which, at lower concentrations, applies to all solvent media and to all electrolytes." The award, founded by Dr. A. C. Lang-

muir, recognizes "the accomplishment in North America of outstanding research in pure chemistry by a young man or woman under thirty-one years of age."

At the commencement exercises of Washington College, Chestertown, Md., the degree of doctor of laws will be conferred on Dr. John M. H. Rowland, dean of the Medical School of the University of Maryland, and on Dr. Robert L. Swain, deputy commissioner of Food and Drugs of Maryland and past-president of the American Pharmaceutical Society.

THE doctorate of laws has been conferred by the University of Aberdeen on Professor E. V. Appleton, Wheatstone professor of physics at King's College, London; on Lieutenant-Colonel A. T. Gage, formerly director of the Botanical Survey of India and superintendent of the Royal Botanic Gardens, Calcutta, and on Dr. J. C. G. Ledingham, professor of bacteriology, University of London, and director of the Lister Institute.

At the honorary graduation ceremony of the University of Liverpool, the degree of LL.D. will be conferred upon Charles Thurston Holland, formerly lecturer on radiology in the university, and on Professor Arthur Harden, lately head of the biochemical department of the Lister Institute.

PROFESSOR GILBERT D. HARRIS, emeritus professor of paleontology and stratigraphy at Cornell University, has been elected an honorary member of the American Association of Petroleum Geologists.

FREDERICK H. BAILEY, who has been a member of the faculty of the Massachusetts Institute of Technology since 1891, since 1907 as professor of mathematics, will retire at the end of the current academic year with the title emeritus.

GORDON M. FAIR, associate professor of sanitary engineering at Harvard University, has been promoted to a professorship.

DR. WELDON G. BROWN, now research assistant in chemistry at Columbia University, has been appointed assistant professor of chemistry at the University of Chicago in the field of inorganic chemistry. W. Lloyd Warner, now assistant professor of social psychology at Harvard University, has been appointed associate professor in the departments of sociology and anthropology.

DR. QUENTIN D. SINGEWALD, geology, and Rudolf Kingslake, geometrical optics, have been promoted to associate professorships at the University of Rochester, and Dr. Curt Stern, zoology, has been promoted to an assistant professorship. The title of associate professor now supersedes that of junior professor, hitherto employed by the university.

At Dartmouth College the following promotions have been made: from assistant professor to professor, Leslie F. Murch, physics; W. Byers Unger, zoology, and Carl L. Wilson, botany; from instructor to assistant professor, William W. Ballard and Frank H. Connell, zoology, and William P. Kimball, civil engineering.

DURING the summer session of the Iowa State College the department of agricultural economics will be augmented by three guest professors. These are Professor J. D. Black, of Harvard University; Dr. O. E. Baker, senior agricultural economist of the U. S. Department of Agriculture, and M. L. Wilson, Assistant Secretary of Agriculture.

DR. EUGENE CHAN has been appointed acting head of the department of ophthalmology at the Cheeloo University School of Medicine, Tsinan, Shantung, China, and concurrently chief of the Eye Service at the University Hospital. He received his medical degree from Boston University and served his general internship at the Foote Memorial Hospital, Jackson, Mich. He was on the staff of the Wilmer Ophthalmological Institute of the Johns Hopkins University and Hospital from 1929 to 1934. Dr. Theodore C. Greene, a graduate of the Harvard Medical School, has been appointed associate in medicine. He was formerly assistant in pathology at the Johns Hopkins University and surgical house officer at Peter Bent Brigham Hospital, Boston. He has been in China since 1927, having been connected with Douw Hospital in Peiping.

SIR P. CHALMERS MITCHELL has resigned as secretary of the Zoological Society, London.

At a meeting on April 15 of the Royal College of Physicians of London, Lord Dawson of Penn was re-elected president.

DR. A. G. BLACK, formerly head of the department of agricultural economics at the Iowa State College and since 1933 connected with the Agricultural Adjustment Administration at Washington, has been appointed chief of the bureau of agricultural economics in the Department of Agriculture. He succeeds Nils A. Olsen, who resigned on April 15.

S. P. K Aidanovsky has been appointed head of the Standards Unit of the Research and Planning Division of the NRA. For the last twelve years, before his affiliation with the NRA, Mr. Kaidanovsky was electrical and industrial engineer at the plant of the Westinghouse Electric and Manufacturing Company at Sharon, Pa.

At the second annual meeting of the Florida Botanical Garden and Arboretum Association recently held in Sebring, Dr. A. J. Grout, of Newfane, Vt., and

Manatee, Fla., was elected president of the Board of Trustees. Dr. Grout recently retired after many years of service in the Boys' High School of Brooklyn and the Curtis High School of Staten Island.

DR. E. D. MERRILL, director of the New York Botanical Garden, has returned after a visit to the Arnold Arboretum in Cienfuegos, Cuba.

DR. FORREST SHREVE and Dr. T. D. Mallery, of the Desert Laboratory of the Carnegie Institution, recently returned from an expedition to Lower California. They were accompanied by Dr. I. L. Wiggins, of Stanford University, and Jack Whitehead, of the Boyce Thompson Southwestern Arboretum. The peninsula was traversed from the boundary to Cape San Lucas, and was crossed five times at different latitudes. The objects of the expedition were the study of vegetation and the collecting of living plants and herbarium material.

DR. ARTHUR SVIHLA, assistant professor of zoology and curator of the Charles R. Conner Museum at the State College of Washington, and Mrs. Svihla will sail on June 15 for Hawaii, where they will study the breeding habits of the Hawaiian rat in cooperation with the University of Hawaii.

THE Walter Rathbone Bacon traveling scholarship of the Smithsonian Institution has been awarded to Dr. Richard E. Blackwelder, now engaged in entomological work at the U. S. National Museum, for an intensive study of the staphylinid beetles of the West Indies. Dr. Blackwelder will collect these beetles on West Indian islands and will later study the large collections in the British Museum.

DR. KARL T. COMPTON, president of the Massachusetts Institute of Technology, will give the Graduate School Convocation address at Brown University on June 15. The subject of his address will be "Patterns in Our Ways of Thinking."

DR. WILLIAM A. WHITE, professor of nervous and mental diseases at George Washington University and superintendent of Saint Elizabeth's Hospital, Washington, D. C., recently delivered a series of three lectures to physicians, social workers and educators at the New York Academy of Medicine, under the auspices of the Salmon Committee for Psychiatry and Mental Hygiene.

THE fifth lecture in the Smith-Reed-Russell series at the School of Medicine of the George Washington University was given before the faculty, students and invited guests on April 25 by Colonel Percy M. Ashburn, superintendent of Columbia Hospital, Washington. His subject was "The Medical History of the Conquest of America in the Sixteenth and Seventeenth Centuries."

THE Benjamin Knox Rachford Memorial Lectures of the University of Cincinnati were given by Dr. R. G. Hoskins on March 21 and 22. The titles of the lectures were "Endocrinology of To-day" and "Endocrine Factors in Personality."

DR. TIMOTHY LEARY, medical examiner for Suffolk County, Massachusetts, and emeritus professor of pathology at Tufts College Medical School, Boston, will deliver the eleventh Ludvig Hektoen Lecture of the Frank Billings Foundation before the Institute of Medicine of Chicago on May 24. His subject will be "Atherosclerosis, the Important Form of Arteriosclerosis, a Metabolic Disease."

DR. ELIOT R. CLARK, professor of anatomy in the University of Pennsylvania School of Medicine, formerly professor of anatomy in the University of Georgia School of Medicine, addressed a combined meeting of the University of Georgia Science Club and the Louis Dugas Journal Club of the School of Medicine, on April 15, at Augusta. His subject was "Observations on the Vascular System."

DR. A. FARKAS, of the University of Cambridge, gave the John Howard Appleton Lecture for 1934-1935 on April 17 at Brown University. He spoke on "The Chemistry of Heavy Hydrogen."

DR. REXFORD GUY TUGWELL, Under-Secretary of Agriculture, and Gifford Pinchot, formerly governor of Pennsylvania, will be among the speakers at the dinner to be given in Albany on May 15 to inaugurate New York State's celebration of the fiftieth anniversary of the Forest Commission, the forerunner of the present Conservation Department. Robert Moses, chairman of the State Council of Parks and park commissioner of New York City, and Dr. Henry S. Graves, dean of the Forest School of Yale University, will also speak. Henry Morgenthau, Jr., formerly State Conservation Commissioner, now Secretary of the Treasury, will attend the dinner. The anniversary program includes a celebration at Niagara Falls and a two-day water pageant by the Central Adirondacks Association in central New York in July and a three-day celebration at Lake Placid in September to which President Roosevelt has been invited.

A SPECIAL symposium on the virus diseases of plants, animals and man, by the Botanical Society of Washington, D. C., was held on April 24. Plant viruses were discussed by Dr. L. O. Kunkel, director of the Phytopathological Laboratory of the Rockefeller Institute for Medical Research, Princeton, N. J., and animal viruses, by Dr. Earl B. McKinley, dean of the Medical College of George Washington University.

AT the recent meeting of the American Society of Biological Chemists in Detroit, the following officers

were elected: *President*, Professor H. B. Lewis, University of Michigan; *Vice-president*, Dr. Glenn E. Cullen, Children's Hospital Research Foundation, Cincinnati; *Secretary*, Professor Henry A. Mattill, University of Iowa; *Treasurer*, Professor Cyrus H. Fiske, Harvard Medical School; *Member of the Council*, Professor J. B. Collip, McGill University; *Additional Members of the Council*, Professor H. C. Bradley, of the Massachusetts Institute of Technology, and Professor E. A. Doisy, St. Louis University School of Medicine. The next meeting will be held in Washington, D. C., in the spring of 1936.

THE twelfth initiation meeting of the University of Virginia Chapter of Sigma Xi was held on April 24. The meeting was addressed by Dr. Ernest O. Lawrence, director of the Radiation Laboratory of the University of California, who spoke on "Artificial Radioactivity." The eleventh annual award of the President and Visitors' Research Prize of one hundred dollars was granted to Dr. Alfred Chanutin, of the School of Biochemistry of the Department of Medicine, for a paper entitled, "Experimental Renal Insufficiency Produced by Partial Nephrectomy." The Andrew Fleming Prize of fifty dollars, awarded to a student in the Miller School of Biology, was given to Albert Lorz. There were twenty-one initiates.

At the meeting of the American Academy of Tropical Medicine, which was held in New York City on April 16, the following new members were elected: Dr. Leland O. Howard, Department of Agriculture; Dr. George H. Whipple, dean, School of Medicine, University of Rochester; Dr. S. Burt Wolbach, professor of pathology, Harvard Medical School, and Dr. Hans Zinsser, professor of bacteriology, Harvard Medical School. The new officers elected were: Colonel Charles F. Craig, *president*, department of tropical medicine, Tulane University; Dr. Richard P. Strong, *vice-president*, department of tropical medicine, Harvard Medical School. The treasurer, Dr. W. W. Cort, School of Hygiene and Public Health at the Johns Hopkins University, and the secretary, Dr. Earl B. McKinley, School of Medicine, the George Washington University, remain in office. Dr. George W. Bachman, director of the School of Tropical Medicine, San Juan, Puerto Rico, was elected a member of the council to serve for two years. It was decided that hereafter the annual meeting of the academy will be held in conjunction with the meeting of the American Society of Tropical Medicine, the next meeting being scheduled for St. Louis, Mo., next November.

THE thirty-seventh annual meeting of the Medical Library Association will be held in Rochester, N. Y., from June 17 to 19. The program includes addresses, round-table discussions and demonstrations on library procedure, medical history and medical literature. The

association is being represented by two delegates at the Congress of the International Federation of Library Associations to be held in Madrid from May 19 to 30. These delegates will return in time to report upon the congress. The association consists of about 175 medical libraries of the United States and Canada, together with their librarians and a group of supporting members of physicians interested in the advancement of medical libraries. The officers of the association are as follows: Charles Frankenberger, *president*, Brooklyn, N. Y.; Louise Ophüls, *vice-president*, San Francisco, Cal.; Frances N. A. Whitman, *secretary*, Boston, Mass.; Mary Louise Marshall, *treasurer*, New Orleans, La.; Marjorie J. Darrach, chairman of the executive committee, Detroit, Mich.

THE second annual Maryland Biology Teachers' Convention met at the Maryland Academy of Sciences building in Baltimore, on April 13, with 102 high-school and college teachers of biology in attendance. At the morning session, Dr. R. W. Hegner, of the School of Hygiene and Public Health of the Johns Hopkins University, spoke on "Recent Advances in Protozoology"; Elra Palmer, secretary of the Natural History Society of Maryland, on "Collecting, Preserving and Preparing Laboratory Organisms," and Dr. J. B. S. Norton, of the University of Maryland, on "Maryland Ecology." At the afternoon session, Dr. Raymond Pearl, of the Department of Biology of the School of Hygiene and Public Health of the Johns Hopkins University, spoke on "Human Biology in High School and College"; W. J. Morse, of the Bureau of Plant Industry, U. S. Department of Agriculture, on "The Soy Bean," and Dr. Herbert S. Davis, of the U. S. Department of Fisheries, on "Recent Advances in Fishery Biology and Aquiculture." In the evening the biologists were the guests of the academy to hear a lecture entitled "Glimpses of Kangaroo-land," by Captain Stanley Osborne. At the business session, a council of nine members was elected, with Dr. R. V. Truitt, of the University of Maryland, as chairman; Miss Marion Janney, of the Baltimore City Schools, as secretary, and Dr. C. L. Newcombe, of the University of Maryland, as treasurer. The next session will take place at the University of Maryland next spring.

ACCORDING to *The Museum News*, Secretary of the Interior Ickes has recommended the formation of an international park in the Big Bend area of the Rio Grande River. The recommendation suggests the authorization of a National Park of about 5,500 acres on the Texas side of the border and an invitation to the Mexican government to establish a park on the Mexican side, the two to form an international peace park. The area includes the Chisos Mountains and semi-arid plains along the river, the last wilderness of Texas.