

C. H. McConnell—zoology
L. T. Steiger—agriculture

The second meeting for further appointments for 1930-31 is planned for about May 1 and 2, and applications for consideration at this meeting should be filed not later than April 1, and earlier if possible. Information and application forms may be obtained from the secretary, Board of National Research Fellowships in the Biological Sciences, National Research Council, Washington, D. C.

FRANK R. LILLIE, *Chairman*

THE INTERNATIONAL ANATOMICAL CONGRESS

THE chairman of the American committee, Professor C. R. Stockard, has received the following general plan of arrangements for the International Anatomical Congress to be held in Amsterdam next summer.

The opening ceremonies of the congress will take place on Monday, August 4. From Tuesday to Friday, the mornings will be devoted to sessions for the

presentation of the scientific program, and the afternoons to demonstrations.

During the congress there will be an official reception by the municipality of Amsterdam, and another general reception. The usual dinner of the congress will also be arranged. An excursion to several nearby places of interest is planned for members on Saturday, August 9.

The secretaries of the five associated national anatomical societies will receive the titles of communications and demonstrations from their respective members, and from these several lists of communications the definite program is to be arranged.

There will be exhibits of scientific apparatus, microscopes and materials by the manufacturers from various countries.

Further particulars, with lists of hotels, etc., will be sent out as soon as arrangements are completed, and those expecting to attend the congress may arrange to make hotel reservations through a local committee.

SCIENTIFIC NOTES AND NEWS

THE Henri Poincaré Medal of the Paris Academy of Sciences has been awarded to Louis de Broglie for his work on wave mechanics.

ON the occasion of the annual observance of George Washington's birthday by the University of Pennsylvania, the honorary degree of doctor of laws was conferred on Dr. Theobald Smith, who recently retired as director of the department of animal pathology of the Rockefeller Institute at Princeton University.

"THE NEW YORK FARMERS," an organization of those interested in the advancement of agriculture, has established a medal to be awarded from time to time for outstanding achievement in agriculture. The first award of this medal was made in New York City on January 21 to Dr. L. O. Howard, for more than fifty years connected with the Bureau of Entomology of the Department of Agriculture.

DR. CURTIS F. MARBUT, chief of the soil survey of the Bureau of Chemistry and Soils of the U. S. Department of Agriculture, has been awarded the Cullum Geographical Medal, conferred by the American Geographical Society in recognition of services of special distinction in the field of exploration and geographic research. The presentation was made in New York City on February 25 at a banquet of the society. Major-General George W. Cullum, president of the American Geographical Society from 1877 until his death, in 1892, established the award which bears his

name. The first award was in 1896, to Admiral Robert E. Peary, discoverer of the North Pole. Among others receiving it have been Fridtjof Nansen, Sir John Murray, Robert F. Scott and Sir E. H. Shackleton. Dr. Marbut's studies and classification of the soils of Europe, Africa, South America and North America have furnished an important contribution to the soil geography of the world.

THE gold medal of the Chicago Geographical Society has been awarded to Rear Admiral Richard E. Byrd, for his flight over the South Pole and his contributions to the geographical study of the Antarctic. The Helen Culver gold medal was awarded to him by the society following his flight over the North Pole in 1926. Captain Roald Amundsen, discoverer of the South Pole, was the only other recipient of both medals.

PROFESSOR F. PAUL ANDERSON, dean of the college of engineering at the University of Kentucky, was awarded the first gold medal of the American Society of Heating and Ventilating Engineers at its recent Philadelphia meeting. The medal will be given annually to the member of the society "whose work or services performed in the field of heating and ventilating or air conditioning are outstanding."

PROFESSOR E. A. ALLCUTT, of the department of mechanical engineering, University of Toronto, has been awarded a Herbert Akroyd Stuart Prize for his paper entitled, "Further Tests on a Two-stroke Cycle

Oil-engine," which was published in the *Proceedings* of The Institution of Mechanical Engineers, London. The prize was offered for the best paper published in the *Proceedings* within the past three years on the general subject of "The Origin and Development of Heavy Oil-engines."

DR. MARSTON TAYLOR BOGERT, professor of organic chemistry at Columbia University, was elected a foreign member of the Royal Society of Sciences of Bohemia at its recent January meeting. This organization is the oldest of the Czechoslovakian learned societies, and one of the oldest in central Europe, having been founded in the year 1770 by Czech noblemen.

THE Rivers Memorial Medal for 1929 has been awarded by the council of the Royal Anthropological Institute to Mr. J. H. Hutton, of the Indian Civil Service, for his services to anthropology in the field in Assam.

DR. J. G. DAVIDSON, manager of chemical sales of the Carbide and Carbon Chemicals Corporation, New York City, has been elected chairman of the New York section of the American Chemical Society for 1930. He succeeds Professor R. R. Renshaw, of New York University.

DR. ROBERT A. HARPER, professor of botany at Columbia University, and Dr. Henry Hurd Rusby, dean of the College of Pharmacy, will retire at the close of the academic year.

DR. JOSEPH S. AMES was officially inducted without ceremony into the presidency of the Johns Hopkins University at the Commemoration Day exercises on February 22. Dr. Frank J. Goodnow, president emeritus, received the honorary degree of doctor of laws.

DR. HARRY WOODBURN CHASE, president of the University of North Carolina, has been elected president of the University of Illinois to succeed Dr. David Kinley, who retires at the close of the academic year. Dr. Kinley has been president of the university for the last ten years and is now sixty-seven years old. Before going to the University of North Carolina Dr. Chase was professor of psychology at Clark University.

DR. FRANCIS P. GAINES, president of Wake Forest College, North Carolina, has been elected president of Washington and Lee University to succeed Dr. Henry Louis Smith, who has become president emeritus.

CLAUDE BURTON HUTCHISON, professor of agriculture and director of the Giannini Foundation of Agricultural Economics of the University of California,

has been appointed dean of the College of Agriculture and director of the Agricultural Experiment Station. Howard Ross Tolley, assistant chief and director of research in the Bureau of Agricultural Economics of the U. S. Department of Agriculture, has been appointed assistant director of the Giannini Foundation.

C. A. DONNEL SENIOR, meteorologist at the Weather Bureau, Chicago, has been appointed to succeed the late Professor Henry J. Cox.

PAUL D. KELLETER, at present administrative assistant to the Federal Farm Board, is announced as the new conservation director of the Wisconsin conservation commission.

DR. WARREN M. SPERRY, assistant professor of biochemistry in the School of Medicine and Dentistry at the University of Rochester, has been appointed assistant professor of chemistry, assigned to pediatrics, at the College of Physicians and Surgeons of Columbia University, and director of chemistry to the Babies' Hospital.

DR. ROBERT ANDREWS MILLIKAN, of the California Institute of Technology, addressed the faculty and student body of Carleton College, on January 9, under the auspices of the Sigma Xi Club. His subject, "The Alleged Sins of Science," was the same as at the recent meeting of the American Association for the Advancement of Science held at Des Moines, Iowa.

PROFESSOR K. T. COMPTON, of Princeton University, lectured before the Physics Club of Pittsburgh on February 12 and 13, on "The Heat Balance at Arc Cathodes," and on "Electron Emission in Accelerating Fields."

PROFESSOR FRANK R. LILLIE, chairman of the department of zoology at the University of Chicago, recently gave an illustrated lecture at the Scripps Institution of Oceanography of the University of California on "The Biology of Sex."

DR. C. J. CHAMBERLAIN, professor emeritus of botany in the University of Chicago, delivered a lecture on February 1 before the Royal Canadian Institute, Toronto, entitled "Tramping through Southern Mexico."

At the invitation of Sigma Xi of Iowa State College, Professor C. W. Stewart, of the State University of Iowa, spoke in Ames on February 17 and 18 on "The Liquid State of Matter" and on "Experiments in X-ray Diffraction."

DR. HARLAN T. STETSON, director of Perkins Observatory, Ohio Wesleyan University, addressed the Franklin Institute in Philadelphia on February 13 on "The Influence of Sun-spots on Radio Reception." On February 19 he lectured at the American Museum

of Natural History in New York on "Eclipse Hunting." The lecture was illustrated by slides and a film showing the actual progress of the eclipse of the sun of May 9, 1929, as photographed by his expedition in Malaya. The lecture was under the auspices of the Amateur Astronomical Association.

THE Cutter lecture on preventive medicine of Harvard Medical School was given on February 28 by Dr. Lafayette B. Mendel, Sterling professor of physiological chemistry at Yale University, on "Nutrition and Growth." These lectures are given annually under the terms of a bequest from John Clarence Cutter, whose will provided that the lectures so given should be styled the Cutter lectures on preventive medicine, and that they should be delivered in Boston and be free to the medical profession and the press.

THE fourth lecturer at the Johns Hopkins University on the Dohme Foundation was Dr. C. M. A. Stine, chemical director of the E. I. du Pont de Nemours and Company, who spoke before the chemistry staff and graduate students on February 14. He spoke on chemical research now in progress at various universities recently visited in England and Holland, with particular reference to the work of Professor Bone, chief professor of chemical technology at the Imperial College of Science and Technology in London. Following the lecture the customary departmental dinner was attended by about forty students and faculty members. Dr. A. R. L. Dohme spoke on his recent trip to Mexico. The earlier lecturers on this foundation have been Dr. C. E. K. Mees, director of research of Eastman Kodak Company; Mr. W. B. Brockway, controller of the Brown Company, Portland, Maine, and Dr. N. A. Shepard, director of chemical research of the Firestone Tire and Rubber Company.

CORNELL UNIVERSITY will inaugurate a six weeks' summer camp in geology open to ten students beginning on June 16, as a result of gifts made by relatives and friends of the late Professor Henry Shaler Williams, formerly head of the department of geology. The Williams Memorial Fund has enabled the Cornell geologists to establish a camp in central Pennsylvania, near Tyrone. The particular region is regarded as one of the best geologic sections in the Appalachian Mountains, affording unusual opportunities for the study of changes in fossil forms and sedimentation. Dr. C. M. Nevin, of the department, will be in charge of the camp.

THE U. S. Civil Service Commission states that eligible candidates are desired for the position of chief of food control, Food, Drug and Insecticide Administration, Department of Agriculture, Washington, D. C., and to insure the appointment of a thoroughly

qualified man the method of competition will be as follows: The qualifications of candidates will be passed upon by a special board of examiners, composed of P. B. Dunbar, assistant chief of the Food, Drug and Insecticide Administration, Department of Agriculture; Dr. Harrison Howe, editor of *Industrial and Engineering Chemistry*, and F. W. Brown, chief of the examining division of the U. S. Civil Service Commission, who will act as chairman of the committee. For the purposes of this examination all these men will be examiners of the Civil Service Commission. The entrance salary is \$5,600 a year. Higher-salaried positions are filled through promotion. Applications will be accepted by the Civil Service Commission until March 26.

DR. KARL F. MEYER, director of the University of California Hooper Foundation for Medical Research, has returned from a visit to the east, where he was called for conference with the meat packers of Chicago and other cities over botulism or food poisoning in canned meats.

NEIL M. JUDD, curator of American archeology in the U. S. National Museum, returned to Washington on February 13 from an aerial survey of the prehistoric canals in the Gila and Salt River Valleys, Arizona. Mr. Judd was sent as a representative of the Smithsonian Institution to cooperate with representatives of the Army Air Corps assigned to this survey. Lieutenant Edward Bobzien, pilot, and Sergeant R. A. Stockwell, photographer, of Crissy Field, San Francisco, flying a regulation Douglas O-2-H open-cockpit observation plane equipped with a Fairchild aerial camera, devoted ten days to the photographic work, using Phoenix, Arizona, as a base. Cloudy weather handicapped the aviators during the first week; ground haze and smoke restricted flying time to approximately two hours at midday. Mr. Judd estimates that approximately 400 miles of prehistoric main line canals and laterals were formerly utilized in central Arizona, chiefly in the Gila and Salt River Valleys. Most of these ancient canals have recently been destroyed owing to the extension of agriculture. The purpose of the survey was to prepare a mosaic map of the two valleys in order that permanent record might be made of their prehistoric irrigation systems.

DR. A. J. GROUT, moss specialist, has been appointed to the all-year staff of the Biological Laboratory of the Long Island Biological Association, at Cold Spring Harbor. Dr. Grout has desired to retire from teaching in order to devote his full time to the preparation and publication of a series of monographs, the first of which has already been published, on the mosses of North America. An editorial board has been chosen for "The Moss Flora of North Amer-

ica" composed of Dr. A. J. Grout, Dr. Henry S. Conard, in charge of field botany and plant ecology at the Biological Laboratory and head of the department of botany at Grinnell College; Dr. G. E. Nichols, professor of botany and director of the Marsh Botanical Garden, Yale University, and Dr. O. E. Jennings, head of the department of botany, University of Pittsburgh. This summer Dr. Grout will represent the Biological Laboratory at the International Botanical Congress to be held at Cambridge, England. While abroad he will check up type specimens of American mosses located in European museums.

LEON M. ESTABROOK, of the foreign service of the U. S. Department of Agriculture, who for the last five years has been in charge of the World Census of Agriculture, with headquarters at Rome, has returned to Washington for a temporary assignment in the office of the Secretary of Agriculture. He will assist Dr. A. F. Woods, director of scientific work, in making arrangements with the Department of State and the Pan-American Union for the Inter-American Conference on Agriculture, Forestry and Animal Industry to be held at Washington from September 8 to 20. The conference is the outgrowth of recommendations of the Sixth International Conference of American States, held at Havana in 1928. Its purpose is to consider plant and animal production, and to develop plans for all phases of agricultural cooperation. Each nation in North, Central and South America will be asked to send an official delegate, as well as other delegates who are specialists in agricultural production and marketing. The conference will come one week ahead of the Sixth International Road Congress and it is expected that many of the delegates will attend both conferences. During the two years 1923-24 Mr. Estabrook was loaned by the Department of Agriculture to the Argentine Government to reorganize its service of agricultural economics and statistics. In the last five years in his work on the World Census of Agriculture, Mr. Estabrook visited the capitals and agricultural production centers of every country of the world with the exception of three.

UNDER the will of Mr. George de Arroyave Lopes, the executors have to hand over the residuary estate, estimated as being over £70,000, bequeathed to the Zoological Society of London, to be held by the society as the De Arroyave Fund. The income is to be applied for the upkeep and improvement of the Zoological Gardens and for the objects of the society. The society has had hitherto to depend almost entirely on the subscriptions of its fellows and on the fluctuating income from the gardens.

FIRMIN DESLOGE has made a gift of \$1,000,000 to St. Louis University for the erection of a hospital.

IN preparation for the celebration of the one hundredth anniversary of the founding of Lafayette College in 1932 the board of trustees has announced a campaign for \$3,500,000 for endowment and buildings. One million dollars has already been subscribed by three members of the board. John Markle, of New York, has given \$400,000, in addition to the \$500,000 for the John Markle Mining Engineering Hall, which was recently dedicated. Fred Morgan Kirby, of Wilkes-Barre, has given \$500,000 for the Kirby Hall of Civil Rights, which will be completed in May, and Thomas Fisher, of Philadelphia, chairman of the campaign committee, has given \$100,000 toward the building of dormitories and for endowment purposes.

A GIFT of the professional library of the late Dr. C. F. S. Tate to the School of Medicine of the University of Southern California and the recent acquisition of the large book collection of Dr. Charles W. Bryson have made possible the establishment of a separate medical library by the university medical school. According to an announcement by Dean William D. Cutter, the library will be housed for the present in two rooms in the basement of Bridge Hall, which are now being outfitted. The appointment of Miss Marguerite Campbell, formerly librarian of the Peking Union Medical School, Peking, China, and of the Boston Medical Library, as custodian was also announced. The library will be opened for use in a few weeks, with between four and five thousand volumes available for reference.

DISCUSSION

THE FUTURE OF TAXONOMY

I HAVE just received a statement from the secretary of the Zoological Society of London, calling attention to the inadequacy of the support given to the *Zoological Record* and hinting that unless conditions improve it may be necessary for the Zoological Society to abandon the enterprise. I use the *Record* almost

daily, and find it so essential for my work that I am greatly alarmed at the prospect of its discontinuance. In my own case this would not be so serious as in the case of a younger worker, with perhaps half a century of work ahead. To him it would mean, first of all, a great increase in the time consumed in bibliographical work; and secondly, reduced accuracy in his work, as he would certainly miss important publications.