

3. The duties of the executive committee shall be: To act as the representatives of the United States in the International Union of Scientific Radio Telegraphy in the interim between its regular meetings; to organize the American Section, including its technical committees, and to arrange for a meeting of the American Section shortly preceding each regular meeting of the International Union; to select delegates to the meetings of the Union; and in general to deal with all scientific radio questions involving the participation of the United States. The chairman of the executive committee of the American Section shall be a member (ex officio) of the Division of Foreign Relations of the National Research Council.

The first officers of the section are:

Chairman, Louis W. Austin.

Corresponding secretary, Augustus Trowbridge, chairman, division of physical sciences, National Research Council (*ex officio*).

Technical secretary, J. H. Dellinger.

Executive committee, Louis W. Austin, U. S. Navy; Comfort A. Adams, chairman, division of engineering, National Research Council; E. F. W. Alexanderson, Radio Corporation of America; J. H. Dellinger, Bureau of Standards; Alfred H. Goldsmith, editor, *Proceedings of the Institute of Radio Engineers*; F. B. Jewett, Western Electric Company; A. E. Kennelly, Massachusetts Institute of Technology; Major-General G. O. Squier, chief signal officer, U. S. A.; Lieutenant-Commander A. Hoyt Taylor, U. S. Navy; Augustus Trowbridge.

The following have been appointed chairmen of technical committees:

Committee on Static, Dr. Austin.

Committee on Transmission, Dr. Kennelly.

Committee on Physics of the Electron Tube, Dr. Jewett.

Committee on Radio Interference (not yet appointed).

SCIENTIFIC NOTES AND NEWS

DR. C. L. ALSBERG, chief of the Bureau of Chemistry of the United States Department of Agriculture, has been appointed director of the Food Research Institute which is to be established at Stanford University by the Carnegie Corporation. He will assume his new work on July 1.

DR. EDWARD LAURENS MARK, for forty-four years instructor and professor of zoology and anatomy at Harvard University, will retire from active teaching at the close of this year and has been appointed Hersey professor of anatomy emeritus.

DR. ROBERT F. RUTTAN, head of the department of chemistry, McGill University, has been appointed to succeed Dr. Duncan G. MacCallum, as administrative chairman of the Advisory Council for Scientific and Industrial Research in Canada.

DR. CHARLES W. RICHARDSON received the honorary degree of doctor of science recently from the George Washington University.

THE University of Cambridge has awarded its doctorate of laws to Sir Patrick Manson, of the London School of Tropical Medicine, and Dr. Albert Calmette, of the Paris Pasteur Institute.

SIR W. H. BRAGG has been elected president of the London Physical Society. The vice-presidents who have filled the office of president are Dr. C. Chree, Professor H. L. Callendar, Professor R. B. Clifton, Sir Richard Glazebrook, Sir Oliver J. Lodge, Professor C. H. Lees, Professor A. W. Reinold, Sir Arthur Schuster, Sir J. J. Thomson and Professor C. V. Boys.

WE learn from *Nature* that the twenty-fifth anniversary of the discovery of the "Zeeman effect" will take place on October 31 next. A committee has been formed by scientific men in Holland to mark the occasion by showing their appreciation of the importance of the discovery and of the distinguished services which Professor Zeeman has rendered to science. It is intended to raise a fund to be placed at his disposal for researches to be conducted in the physical laboratory of the University of Amsterdam.

MR. GEORGE L. HARRINGTON recently returned from South America, where he had been engaged in private work, and resumed work in the Alaskan Division of the U. S. Geological Survey. He has now returned to South America.

MR. J. W. GIDLEY, assistant curator of vertebrate paleontology at the National Museum, left Washington in January for a two months' exploratory trip in Arizona, California and Nebraska for the U. S. Geological Survey and to secure fossil mammals for the museum collection. Important finds of Pleistocene mammal remains in the vicinity of Benson, Arizona, are reported.

SIR G. SIMS WOODHEAD has retired from the editorship of the *Journal of Pathology and Bacteriology*, which he founded in 1893, and is succeeded by Drs. A. E. Boycott and H. R. Dean.

THE Brown Chapter of Sigma Xi held its initiation and banquet on March 4. Two members of the faculty, four graduate students and seventeen members of the senior class were elected members. The speaker at the banquet was Dr. Oscar Riddle, of the Cold Spring Biological Laboratory of the Carnegie Institution.

DR. ARTHUR F. COCA, of the medical school of Cornell University, editor of the *Journal of Immunology*, gave an address on Hypersensitiveness before a recent meeting of the University of Kansas chapter of Sigma Xi. Dr. Coca had been studying, for a few weeks previous, the hypersensitiveness of Indian students of Haskell Institute of Lawrence.

SIR NORMAN MOORE, president of the Royal College of Physicians, has appointed Dr. Herbert Spencer to deliver the Harveian oration in October and Dr. Michael Grabham, of Madeira, to deliver the Bradshaw lecture in November. Dr. Major Greenwood will deliver the Milroy lectures in 1922.

SHERBURNE WESLEY BURNHAM, professor of practical astronomy at the University of Chicago from 1902 to his retirement in 1914 and astronomer at the Yerkes Observatory, died on March 11, in his eighty-third year.

PROFESSOR CHARLES H. FERNALD, from 1886 to 1910 professor of zoology and entomology at the Massachusetts Agricultural College, and for several years director of the graduate

school, died on February 22, aged eighty-three years.

DR. WILLIAM FISKE WHITNEY, John Barnard Swett Jackson curator of the Warren Anatomical Museum of Harvard University, died at his home in Boston on March 4, in the seventy-first year of his age.

DR. JOSEPH RANSOHOFF, professor of surgery at the University of Cincinnati, died on March 10.

WILHELM VON WALDEYER, professor of anatomy at the University of Berlin, has died at the age of eighty-five years.

THE deaths are announced of William Odling, lately professor of chemistry at Oxford University, and of Robert Bellamy Clifton, lately professor of experimental philosophy. Dr. Odling was ninety-one years of age, and Dr. Clifton eighty-five years of age.

AT a meeting of the council of the American Mathematical Society held on February 26, 1921, it was voted to accept the invitation of the American Association for the Advancement of Science to become one of the scientific societies affiliated with the association. According to the arrangements for the affiliation of scientific societies with the American Association all members of the newly affiliated society, who are not already members of the association, have the privilege of becoming members of the association without the payment of the usual entrance fee.

THE United States Civil Service Commission announces an examination for the position of superintendent and director of biological stations in the service of the United States Bureau of Fisheries. Applicants will be rated chiefly upon education and experience. Two vacancies for the above named position now exist in the Bureau of Fisheries, one at Beaufort, N. C., carrying a salary of \$1,500 per annum, and one at Key West, Florida, with a salary of \$1,800. In each case the additional increase granted by Congress of \$20 per month is allowed, and living quarters, unfurnished, are available, free of cost to the appointee. There are opportunities for promotions to

positions with basic salaries of \$2,000 to \$2,500 a year, as vacancies occur. Applications must be filed with the Civil Service Commission, Washington, D. C., prior to the hour of closing business on April 12, 1921. Prospective candidates should apply to the Civil Service Commission, Washington, D. C., for a copy of form 1312, stating the title of the examination desired.

THE late Professor Emil Fischer bequeathed 750,000 marks to the Prussian Academy of Sciences, the income of which is to be used to aid young German chemists doing research work in organic, inorganic or physical chemistry.

THE *Journal* of the American Medical Association reports that the *Deutsche medizinische Wochenschrift* records that Dr. Lange, of Chicago, has sent to Professor Paltauf, of Vienna, 7,000,000 crowns collected in America. Also that another sum of \$10,000 has been forwarded from America to aid the university professors. It was sent to Professor Pirquet for distribution. The Rockefeller Foundation has also appropriated \$60,000 for assistance to the Vienna clinics. This sum is said to be equivalent to 40,000,000 crowns at the present rate of exchange. The salaries of the regular university professors at Vienna were increased materially last year, being 45,000 crowns, increasing by 4,000 crowns every fourth year to a maximum of 70,000. The *Münchener medizinische Wochenschrift* likewise reports that Dr. A. Stein, chief of the Lenox Hill (formerly the German) hospital, has recently sent a large sum collected in America to Frankfort-on-the-Main to be applied for scientific purposes.

WE learn from the *British Medical Journal* that the London School of Tropical Medicine has arranged to send an expedition to British Guiana to investigate filariasis with the view of obtaining information as to its prevention and treatment. The expedition is being sent at the request, made shortly before he left the Colonial Office, of Lord Milner, who considered that the government required further advice as to the best method of controlling the disease.

At the suggestion of Sir Patrick Manson the expedition will visit also certain West Indian islands, choosing one, such as Barbados, where the rate of attack is high, and another, such as Grenada, where it is low. It is hoped that by comparing and contrasting the circumstances of two such islands light may be thrown on the conditions which favor filaria. The leader of the expedition is Professor R. T. Leiper, director of the helminthology department of the London School of Tropical Medicine; the other members are Dr. G. M. Vevers, demonstrator of helminthology in the school; Dr. John Anderson, Dr. Chung Un Lee, and Dr. Mahomed Khalil of the Egyptian Medical Service. The expedition will sail this month.

SIR ERNEST SHACKLETON is planning a new Polar expedition to the Arctic. He expects to be away for two years. According to the *London Times* he proposes to leave England in May or June next, and will take with him a dozen men, chiefly those who accompanied him on former expeditions. The Norwegian whaling boat *Foca I.*, bought in Christiania for this new expedition, is now lying at Tromsø, and will be delivered in England next month. In all probability *Foca I.* will go, in the first instance, to Hudson's Bay, where 150 dogs will be taken on board. Thence the expedition will proceed *via* Baffin's Bay—which will be reached, it is hoped, by the end of July, provided ice conditions are favorable—through Lancaster Sound, to Axel Heiberg's Land. Thence Sir E. Shackleton intends to explore the islands eastward to Perry Island, this being the main object of the expedition. These islands have been already visited by Otto Sverdrup, Godfred Hansen, and others, but Shackleton believes that there is still much scientific work to be done in that region. He will procure his equipment in England, and hopes to receive a quantity of the material which the English used in Archangel during the war. He was, it may be remembered, employed by the British government to see that the troops in North Russia were properly equipped for Arctic conditions. *Foca I.* is said, by experts, to be one of the

best boats in the Norwegian Whaling Fleet. It has a large and spacious deck, so that there will be plenty of room for dogs and sledges. Sir E. Shackleton has told an acquaintance in Christiania that he has given up the idea of exploring the South Polar regions, and in future will devote himself to the Arctic.

THE *Journal of Industrial Chemistry* reports that the International Chemical Conference last June decided to hold the next conference in Poland, at the invitation of Mr. Kowalski. At that time the situation in that country seemed fairly settled, but since then affairs have become disturbed, and the council of the union has decided that the next meeting can not be held in Warsaw. Dr. Parsons has extended an invitation from the American Chemical Society to hold the 1921 meeting in the United States, but European chemists are not in a position to make this move. Therefore the council has decided to hold the next meeting at Brussels, at the end of June. However, Mr. Paul Kestner, president of the Société de Chimie Industrielle, will attend the Canadian meeting of the British Chemical Society as the French delegate, and will return by way of the United States, where he will attend the meetings of the American chemical societies.

At the annual general meeting of the Association of Economic Biologists, as we learn from *Nature*, the following were elected officers and councillors for the year 1921: *President*: Sir David Prain. *Hon. Treasurer*: Dr. A. D. Imms, *Hon. Secretary (Gen. and Bot.)* Wm. B. Brierley. *Hon. Secretary (Zool.)*: Dr. S. A. Neave. *Hon. Editor (Bot.)*: Wm. B. Brierley. *Hon. Editor (Zool.)*: D. Ward Cutler. *Council*: Dr. W. Lawrence Balls, Professor V. H. Blackman, F. T. Brooks, A. B. Bruce, Dr. E. J. Butler, F. J. Chittenden, A. D. Cotton, J. C. F. Fryer, Professor J. B. Farmer, E. E. Green, Dr. G. A. K. Marshall and Dr. E. J. Russell. In view of the very great increase in the publishing costs of the *Annals of Applied Biology*, it was decided to establish a "Publication Fund," to which all interested in the progress

of biology and in its application to the welfare of man are invited to subscribe. Sir David Prain then delivered his presidential address on "Some Relationships of Economic Biology."

UNIVERSITY AND EDUCATIONAL NEWS

At the Founders' Day Celebration of the Johns Hopkins University, announcement was made that the trustees of the university would supplement the fund of \$215,000 raised by the Alumni Association for a memorial dormitory building at Homewood, so that the total cost of the building might be provided for.

IN response to the recent appeal of the University of Edinburgh for £500,000, the sum of £200,000 has now been subscribed.

GENERAL LEONARD WOOD has conferred with the trustees of the University of Pennsylvania in regard to accepting the provostship of the university, vacant by the retirement of Dr. Edgar F. Smith.

PROFESSOR FRANK AYDELOTTE, professor of English in the Massachusetts Institute of Technology, has been elected president of Swarthmore College, to succeed Dr. Joseph Swain.

DR. GUY POTTER BENTON, formerly president of the University of Vermont, has been appointed president of the University of the Philippines, with a salary and perquisites of 33,000 pesos (normally \$16,500). The place has been vacant two years.

DR. YANDELL HENDERSON, hitherto professor of physiology in the Yale Medical School, has been transferred to the Graduate School of Yale University under the title of professor of applied physiology.

DISCUSSION AND CORRESPONDENCE SECTION L OF THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

HAVING been secretary of Section A during a number of years when this section covered both of the subjects mathematics and astron-