

addresses of the divisional and sectional secretaries:

*Divisions:*

*Agricultural and food chemistry:* T. J. BRYAN, 4100 Filmore St., Chicago, Ill.

*Biological chemistry:* A. W. DOX, cr. Parke, Davis & Co., Detroit, Mich.

*Dye section:* R. NORRIS SHREVE, 43 Fifth Ave., New York, N. Y.

*Fertilizer chemistry:* H. C. MOORE, 209 W. Jackson Blvd., Chicago, Ill.

*Industrial and engineering chemistry:* H. E. HOWE, Marine Biological Laboratory, Woods Hole, Mass.

*Organic chemistry:* ROGER ADAMS, University of Illinois, Urbana, Ill.

*Pharmaceutical chemistry (medicinal products chemistry):* EDGAR B. CARTER, 2615 Ashland Ave., Indianapolis, Ind.

*Physical and inorganic chemistry:* H. N. HOLMES, Severance Chemical Laboratory, Oberlin, O.

*Rubber chemistry:* ARNOLD H. SMITH, Goodyear Tire & Rubber Co., Akron, Ohio.

*Water, sewage and sanitation:* W. W. SKINNER, Bureau of Chemistry, Washington, D. C.

*Sections:*

*Leather chemistry:* WILLIAM KLABER, 613 North Third St., Newark, N. J.

*Sugar chemistry:* FREDERICK J. BATES, Bureau of Standards, Washington, D. C.

Members who are to read papers having a popular appeal are requested to send synopses of them for the use of the A. C. S. News Service, care of American Chemical Society, 1 Madison Ave., Room 344, Metropolitan Bldg. (Tower) New York City, which, in cooperation with the local publicity committee, will conduct the press room. A short abstract (about 100 words) should be sent with the title of papers or handed to the secretary of your division at the time of presentation, so that it may appear in SCIENCE, if you wish your paper to have publicity or to obtain priority through this publication.

The final program will be sent about September 1 to all members who before August 29 have signified their intention of attending the meeting; to the secretaries of sections; to the council; to members of the Chicago Section, and to all members making special request

therefor by mailing a postal card to this office direct.

CHARLES L. PARSONS,  
*Secretary*

1709 G STREET, WASHINGTON, D. C.

## SCIENTIFIC NOTES AND NEWS

DR. GEORGE ELLERY HALE, director of the Mount Wilson Observatory, has been elected one of the twelve foreign members of the Società Italiana delle Scienze, in succession to the late Lord Rayleigh.

PROFESSOR RAYMOND PEARL, of the Johns Hopkins University, has been decorated by the King of Italy as Knight of the Crown of Italy.

A MARY KINGLSEY medal has been awarded by the Liverpool School of Tropical Medicine to Ch. Wardell Stiles, of the United States Public Health Service, for his work on the eradication of hookworm disease.

SIR W. J. POPE has been elected an associate of the section for the mathematical and physical sciences of the Royal Belgian Academy.

THE first gold medal given by the Institution of Sanitary Engineers was presented at the annual summer meeting of the institution to Major A. J. Martin "for his services in originating health week and in the development of civil and military sanitation before and during the war."

MR. G. W. MOREY, of the Geophysical Laboratory, Carnegie Institution of Washington, who has been on leave of absence in charge of the optical glass plant of the Spencer Lens Company of Buffalo, N. Y., since November, 1918, has returned to his research work at the laboratory.

MR. M. J. PROFFITT, formerly of the Great Western Sugar Company, Denver Colorado, has been put in charge of sugar technology at the Bureau of Standards.

MR. FRIEND LEE MICKLE, bacteriologist of the Bureau of Laboratories of the Connecticut State Department of Health, has been appointed director of laboratories for the Bureau of Health of Atlantic City, N. J.

DR. WALDEMAR T. SCHALLER has severed his connection with the Great Southern Sulphur Co., Inc., of New Orleans, La., and has returned to the United States Geological Survey, Washington, D. C.

PROFESSOR CHARLES J. CHAMBERLAIN, of the University of Chicago, has been invited to deliver a lecture on Cycads before the Botanical Section of the British Association for the Advancement of Science. He goes as the guest of the association, which meets at Cardiff, Wales, on August 24.

PROFESSORS L. E. DICKSON, of the University of Chicago, and L. P. Eisenhart, of Princeton University, have been elected delegates of the American section of the International mathematical union to attend the meeting of the union at the University of Strasbourg beginning September 18, 1920.

DR. F. BURT WOLBACH, of Harvard Medical School, who has been abroad for six months in an effort to establish definitely the organism causing typhus, has returned to the United States.

DR. ARTURO GARCIA Y CASARIEGO, assistant professor of pathologic anatomy and histology of the School of Medicine of the University of Havana, has been designated by the government to make a trip abroad to study matters relating to the teaching of these subjects. Dr. Guillermo Díaz y Macias, professor of practical pharmacy, has been commissioned to study the organization of pharmacologic laboratories abroad.

THE Harveian Oration of the Royal College of Physicians, London, will be delivered by Sir Frederick Andrews on October 18; the Horace Dobell lecture by Sir William Leishman on November 2; the Bradshaw lecture by D. R. C. B. Wall on November 4; and the FitzPatrick lectures on the History of Medicine by Dr. E. G. Browne, of Pembroke College, Cambridge, November 9 and 11.

It is stated in *Nature* that the Rayleigh Memorial Committee has decided that the memorial to the late Lord Rayleigh in Westminster Abbey shall take the form of a mural tablet to be erected near the memorials to

Sir Humphry Davy and Dr. Thomas Young. The execution of the tablet will be entrusted to Mr. Derwent Wood. It is expected that after all expenses are met there will be a balance remaining, and this the committee proposes shall be used to establish a library fund at the Cavendish Laboratory, Cambridge, with which Lord Rayleigh was closely associated.

DR. WALTER FAXON, in charge of mollusca and crustacea in the Museum of Comparative Zoology of Harvard University, from 1886 until about five years ago, and previously assistant professor of zoology at the university, died on August 10. Dr. Faxon graduated from Harvard College in the class of seventy-one.

THE death is announced of Professor Felix Guyon, a former president of the Paris Academy of Medicine, head of the Hôpital Necker and known for his work on the diseases of the urino-genital organs.

THE *Bulletin* of the American Mathematical Society announces the following deaths among mathematicians: Professor P. van Geer, on October 3, 1919, at the age of seventy-eight years; Professor M. Haid, of the Karlsruhe technical school, on November 15, 1919; Professor A. Boersch, at Homburg; Professor R. Heger, at Dresden, at the age of seventy-three years; Professor Paul Stäckel, of the University of Heidelberg, on December 13, at the age of fifty-seven years; Professor R. Malstroem, of the department of mechanics at the technical school at Helsingfors.

THE United States Civil Service Commission announces for September 21, 1920, an open competitive examination for Naturalist on the Steamer *Albatross* in the Bureau of Fisheries at \$2,200 a year with a possible bonus of \$20.00 a month. Competitors are not required to report for examination at any place but will be rated on education, experience and thesis or publication. Further information may be obtained by application to the Civil Service Commission, Washington, D. C.

A FIRST-HAND study of Alaskan reindeer and land fur-bearing animals is now being made

by Dr. E. W. Nelson, chief of the Biological Survey, United States Department of Agriculture, and several specialists belonging to the staff of the bureau. Dr. Nelson will spend from two to three months in Alaska, while the other specialists will be in Alaska under permanent appointment acquiring information which will be valuable in the administration of new duties assigned to the Department of Agriculture by recent acts of Congress, namely, the improvement of reindeer herds as a source of meat in the Territory, fox farming, and the protection of land fur-bearing animals. One of the men accompanying Dr. Nelson—Dr. Seymour Hadwen—was formerly connected with the health of animals branch of the Canadian department of agriculture. He and a new member of the staff, formerly connected with the Alaska Reindeer Service of the Department of the Interior, are devoting their attention to diseases among the reindeer. Two other members of the party, formerly grazing examiners with the Forest Service, are investigating the grazing areas of Alaska to determine the regions best suited to the reindeer.

THE timber on the Tongass National Forest in Alaska is said in a report issued by the United States Forest Service to be of particular importance in connection with the paper situation. It is estimated that there are about seventy billion board feet in Sitka, spruce and western hemlock well suited for paper making. The timber is located in a comparatively narrow belt along some 1,200 miles of coast line. Water power is available, as is also deep water transportation from numerous mill sites. It is estimated that the cut from this region alone would insure a perpetual supply large enough to meet one half of the present newsprint requirements of the United States. Alaska is one of the centers to which the newsprint industry of the United States should look for a large future development, says the report. The same is true of centers in the west where immense resources of pulp wood supply are now almost wholly undeveloped. Much of this timber is in the national forests. To bring about

properly the development of the pulp and paper industry in new regions of abundant timber supplies the report recommends a comprehensive survey to furnish exact information upon the stand and location of suitable timber and other needed data.

IN connection with the meeting of the American Ornithologists' Union in Washington, D. C., this year, the local committee plans to hold an exhibit showing the history and development of zoological illustration as applied to birds, including original drawings, paintings and photographs. The pictures, which may be mounted on cards, but not framed, will be exhibited under glass in the Library of Congress where the exhibit will be held together a month or more. So far the consensus of opinion is that to keep the exhibit within bounds, each artist shall be limited to original drawings or paintings and each photographer to 2 prints.

AN advisory council for the Board of Surveys and Maps was organized, at a meeting held in Washington, Monday, July 12, to serve as an agency through which the Board can reach the map-using public and the public offer suggestions or criticisms regarding the work of the various bureaus of the Federal Government engaged in making surveys and maps. The Board of Surveys and Maps has greatly increased the cooperation between the different government bureaus and has established a central office from which information may be obtained regarding any map published by any government bureau. It remains for the public to utilize the facilities offered in the same spirit of cooperation. The advisory council consists of twenty or more representatives of the various national engineering, scientific, and map-issuing associations of the country who are interested in improving the efficiency of the government map-making agencies and the character and usefulness of the maps produced. It is hoped that suggestions of unmet needs, improvements in technique, or ways in which the government maps and engineering information can be made more useful to the map-using citizens

of the country will be sent to the officers of the Council, Edward B. Mathews, chairman, National Research Council, or A. G. Seiler, secretary, Touring Bureau, A. A. A., Riggs Building, Washington, D. C.

THE annual meeting of the Society for Extending Rothamsted Experiments was held on June 18 at Rothamsted, Harpenden. Mr. J. F. Mason presided. It was reported by Dr. E. J. Russell, director, that the work of the station had again become normal. The staff was now complete, and operations active in all departments. The staff of the station at present numbers 70, and there are large laboratories and a 300-acre farm. The Ministry of Agriculture has now asked that the station shall undertake the study of the diseases of plants, and although the work has been begun the present facilities are quite inadequate. It is proposed to buy an adjoining site to build there a special laboratory for this work. For this £4,000 is needed, and half will be provided by the government. The remainder has to be found privately, and a fourth of the amount has already been subscribed.

ACCORDING to an Associated Press despatch an expedition fitted out by the Swedish Society of Anthropology and Geography of Stockholm has left Yokohama to make a scientific survey of the peninsula of Kamchatka. The work will last for at least two years. The members of the expedition are from the University of Stockholm and are under the direction of Even Bergman. They are prepared for a zoological, botanical ethnographical, geological and geographical survey of the whole peninsula. The collections will be donated to the Swedish Geographical Society and to the University of Stockholm. Kamchatka is known to have a rich and varied flora and fauna, but it is comparatively unknown to scientists. The plant life is particularly interesting, as it is unusually extensive for the high latitude, and many of the forms belong to regions much farther south. Birds and animals are numerous, and as far as known are similar to those of Alaska.

## UNIVERSITY AND EDUCATIONAL NEWS

THE Harvard University School of Medicine has received \$350,000 from the Rockefeller Foundation for the development of psychiatry, and \$300,000 for the development of obstetric teaching.

MR. M. DOUGLAS FLATTERY, an American, has presented the Institute of Bacteriology at Lyons with 100,000 francs for an annual scholarship for a student who will specialize in laboratory work on the bacteriology of infectious diseases.

At the University of Minnesota Dr. W. H. Hunter has been appointed professor of chemistry and acting head of the division of organic chemistry; Dr. C. A. Mann, professor of industrial chemistry and acting head of the division of industrial chemistry; Dr. G. H. Montillon, associate professor of industrial chemistry, and Dr. R. E. Kirk, of Iowa State College, assistant professor in general chemistry.

DR. DANIEL STARCH, of the University of Wisconsin, has become associate professor of psychology in the school of business administration at Harvard University.

PROFESSOR JAMES NEWTON MICHIE, assistant professor of mathematics in the Agricultural and Mechanical College of Texas, has been appointed adjunct professor in the department of applied mathematics at the University of Texas.

P. W. BOUTWELL, assistant professor of agricultural chemistry at the University of Wisconsin, has been appointed associate professor of chemistry at Beloit College.

W. J. FULLER, assistant professor of civil and structural engineering of the University of Wisconsin Extension Division, has recently resigned to accept a position on the engineering staff of the Government Institute of Technology at Shanghai, China.

THE *Bulletin* of the American Mathematical Society states that at the University of Berlin, Professor L. E. Brouwer, of the Univer-