

## WEDNESDAY, SEPTEMBER 3

9.30 A.M.—General meeting at the Bellevue-Stratford.

Address of Welcome—Honorable Joseph S. MacLoughlin, director of supplies of the city of Philadelphia.

Address by Secretary of War Newton D. Baker.

An address will also be given by a representative of the Navy Department.

2.30 P.M.—General divisional meeting.

8.15 P.M.—Smoker, Scottish Rite Hall, Broad and Race Streets.

## THURSDAY, SEPTEMBER 4

9.30 to 1 P.M.—Divisional meetings.

2 P.M.—Excursions to industrial establishments.

8.30 P.M.—Presidential address: "Research and application," Dr. William H. Nichols, at the Museum of the University of Pennsylvania, Thirty-third and Spruce Streets.

## FRIDAY, SEPTEMBER 5

9.30 to 1 P.M.—Divisional meetings.

2.30 P.M.—Divisional meetings.

7 P.M.—Banquet at the Bellevue-Stratford

## SATURDAY, SEPTEMBER 6

Boat ride, tendered by the Delaware Section. (From 10 A.M. to 4 P.M.)

On Wednesday afternoon as a continuation of the general meeting important papers will be presented by members selected by each division. For the Biological Division, Dr. W. V. Bovie, of the Cancer Commission of Harvard University will present a paper on "Some Physiological Effects by Radiating Definite Regions Within a Single Cell." For the Fertilizer Division, Dr. H. J. Wheeler will speak on "Some problems and methods in agricultural research." For the Physical and Inorganic Division, Dr. W. D. Harkins will present a paper on "The structure of the nuclei of atoms and the two periodic systems."

The usual meetings will be held by all the Divisions, with the following special programs: The Industrial Division calls especial attention to its symposium on refractories being organized by Dr. A. V. Bleining, of the Bureau of Standards, and the discussion which will be held upon Dr. B. C. Hesse's open letter concerning annual patent renewal fees for the United States. The officers urgently

request members of the division to contribute to the general program of the division to make the Philadelphia meeting a notable one. The Biological Division will give much thought to chemo-therapy, which is a matter of great interest to the country at present. The Dye Section, which will be organized at this meeting, is preparing an interesting program on the dye situation.

CHARLES L. PARSONS,  
*Secretary*

## SCIENTIFIC NOTES AND NEWS

PROFESSOR GUSTAF RETZIUS, the eminent Swedish anatomist and anthropologist, died at Stockholm, on July 21, aged seventy-seven years. Professor Retzius's father and grandfather were distinguished Swedish professors of natural history and anatomy. He was educated at Upsala, and became professor of histology at Stockholm in 1876, and of anatomy in 1889.

PROFESSOR LAWRENCE BRUNER, after thirty years' service in the University of Nebraska, has retired from active charge of the department of entomology. Myron H. Swenk has been placed in charge of all entomological work in the state which comes under the board of regents, this including the department of entomology, the station activities, and the work in connection with the office of state entomologist.

MR. R. L. FARIS, assistant superintendent of the Coast and Geodetic Survey, has been nominated by the president as a civilian member of the Mississippi River Commission, to succeed the late Homer P. Ritter.

PROFESSORS J. M. BRYANT, S. E. Gideon, R. G. Tyler and H. C. Weaver, of the school of mechanical engineering of the University of Texas, who were absent on leave during the session of 1918-19 in war service, will resume their work in October.

IN the National Museum of Wales, Dr. J. J. Simpson has been appointed keeper of zoology and Dr. Ethel N. Thomas keeper of botany.

THE Baly medal of the Royal College of Physicians, awarded to the person who shall

be deemed to have distinguished himself in the science of physiology, especially during the two years immediately preceding, has been awarded this year to Dr. Leonard Hill.

THE Royal Society of Edinburgh has awarded the Makdougall-Brisbane prize for the period 1916-18 to Professor A. Anstruther Lawson, of Sydney, for his papers on cytology and on the gametophytes of various gymnosperms.

MR. J. C. HOSTETTER has resigned from the Geophysical Laboratory of the Carnegie Institution, to take up research and development work for the Steuben Glass Works, of Corning, New York.

DR. F. E. CHIDESTER, in charge of zoology at Rutgers College, until he entered the U. S. Public Health Service, is now engaged in investigations for the U. S. Bureau of Fisheries.

DR. RALPH B. SEEM, assistant superintendent of Johns Hopkins Hospital, has been appointed director of the Billings Hospital of the University of Chicago from January 1, 1921, and assistant consultant on the plans for the hospital.

MAJOR-GENERAL W. C. GORGAS, former Surgeon-General of the United States Army, who has been visiting Central and South American cities with a party of representatives of the Rockefeller Foundation, arrived from the Panama Canal zone at San Salvador on August 20, for the purpose of studying sanitary conditions in this city.

DR. J. WALTER FEWKES, chief of the Bureau of American Ethnology, left for the Mesa Verde in July to continue his work in the archeological development of the park.

MR. E. P. VAN DUZEE, curator of entomology of the California Academy of Sciences, and specialist in the hemiptera, has just returned from a sojourn at Huntington Lake, Fresno county, California. This lake has an elevation of 7,000 feet and the neighborhood is of special interest to entomologists on account of the great abundance of insect fauna. Nearly six thousand specimens were secured which will add a large number of species to the acad-

emy collection, some of which are new to science. Dr. F. E. Blaisdell, the coleopterist, accompanied Mr. Van Duzee and also made important collections.

MR. HOYT S. GALE, of the Geological Survey, who has spent several months investigating the potash resources of Europe for the Department of the Interior, has made a study of the deposits of Alsace and of Spain, and will study those of Stassfurt, Germany, before returning to the United States.

PROFESSOR E. W. D. HOLWAY, of the University of Minnesota, and Mrs. Holway, sailed from New York on August 16, on the *Santa Luisa*, for Valparaiso, Chile. They will collect the plant rusts (Uredinales) of the Andes from Chile and western Argentina northward to Ecuador, and expect to be gone about two years.

PROFESSOR DUNCAN S. JOHNSON, Mr. W. E. Seifrizz and Mr. L. J. Pessin, of Johns Hopkins University, and Professor C. C. Plitt, of the University of Maryland, have returned from a two months' stay in Jamaica. Most of this time was spent at the Cinchona Botanical Station in the study of liverworts, lianes, epiphyllous plants and lichens. Cinchona proved an admirable place for summer work. In six weeks of June and July there were but two rainy days and three or four days with midday showers. The temperature ranged from 60° to 70° F., occasionally dropping to 58° at nights and once rose to 74° for an hour at midday. It is probable that the Cinchona Station will be available for American botanists during the year 1920.

THE University of Chicago has received a fund of \$3,000 from the mother, brother, colleagues and friends of Edith E. Barnard, a former instructor in chemistry, for the endowment of the "Edith Barnard Memorial Fellowship in Chemistry." This fellowship has been temporarily provided through the aid of Mr. and Mrs. Barnard since 1916, but is now permanently endowed.

A NATION-WIDE campaign for funds to erect a hospital in New York City in memory of Dr. Abraham Jacobi is now under way. The

amount set by the committee is \$1,000,000, a large part of which is to be devoted to endowment of the institution after it is built. The memorial to Dr. Jacobi, which will be for children only, will probably be erected as an annex to the Jewish Memorial Hospital, but will be non-sectarian in character. The committee desires to endow as many free beds in the hospital as possible as a tribute to Dr. Jacobi's labors among the poor of the city.

CAPTAIN HERBERT C. GRAVES, hydrographer in charge of coastal surveys of the Coast and Geodetic Survey, died suddenly in London on July 26, at the age of forty-nine. He had been abroad since June 12 as a representative of the United States at the International Hydrographic Conference, and was also one of the delegates from the American Section of the proposed International Geophysical Union, which met in Brussels in July.

SIR BOVERTON REDWOOD, distinguished for his contributions to the study of petroleum, died in London on June 4, at the age of seventy-three years.

THE death is announced of Mr. A. W. Ward, since 1889 professor of physics at Canning College, Lucknow, India.

DR. JOSÉ G. HERÁNDEZ, one of the most prominent physicians of Venezuela, and known for his scientific work, was killed at Caracas on June 30, in an automobile accident. A period of public mourning has been declared.

It is stated in *Nature* that the meeting of the International Research Council, which was opened at Brussels on July 18 in the presence of the King of the Belgians, concluded its labors on July 28. Much successful work was accomplished. The statutes of the International Council were finally agreed to, and unions embracing the whole subject of astronomy and the various sections of geophysics were formed. In other branches of pure and applied science proposals for the formation of international associations were discussed and formulated. These will have to be submitted to the authorities concerned in the different countries before they can be formally adopted. A resolution inviting the cooperation of nations that had remained

neutral during the war was adopted unanimously. Brussels was selected as the legal domicile of the International Research Council. Its triennial meetings will be held in that city, and gifts or legacies will be administered according to Belgian law. But the associations dealing with special subjects will probably follow the established custom of holding their conferences successively in different countries. The secretariat of the council will be at Burlington House, where the Royal Society has placed a room at the disposal of the general secretary.

M. BASILE ZAHAROFF has made a gift of 500,000 francs to the Paris Museum of Natural History to be used in its restoration, enlargement and improvement.

CHEMISTS and assistants on the staff of the Health Department of New York City have joined the Union of Technical Men affiliated with the American Federation of Labor.

THE University of California has received the Malcolm P. Anderson collection of scientific specimens of mammals and birds the gift of Mrs. Elizabeth G. Anderson, of Alameda. Mr. Anderson, recently deceased, was a naturalist who carried on field work in Asia for many years in the interests of the British Museum.

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#### UNIVERSITY AND EDUCATIONAL NEWS

It is announced that Yale University will receive approximately \$18,000,000, about \$3,000,000 in excess of the expectation of the university corporation, from the estate of John W. Sterling.

EDWARD F. SEARLES, of San Francisco, has given stock valued at \$1,500,000 to the University of California for its unrestricted use.

DR. T. M. PUTNAM, professor of mathematics and dean of the undergraduate division in the University of California, has been appointed acting dean of the college of letters and science in the place of the late Professor H. Morse Stephens.

E. B. BROSSARD, Ph.D., has been appointed head of the department of farm management,