

Division of the Experimental Station of the National Agricultural Society of Chile, will study the application of genetics to the improvement of plants at Cornell University. Joaquin Monge Mira, professor of geology in the Catholic University of Chile, will work on problems of harbor improvement and flood control. Genaro Moreno Garcia-Conde, professor of mathematics in the School of Military Engineering of Chile, will undertake mathematical research, especially in the theory of functions of real variables.

From Argentina:—Salomon Horowitz, chief of the Institute of Genetics of the University of Buenos Aires, intends to carry on studies in cytology and genetics. Homero Mario Gugliemini, a writer of Buenos Aires, will study the principal currents of philosophy in the United States. Carlos Garcia Mata, of the Department of Finance and Public Works in the Province of Santa Fé, Argentina, will study, at the Harvard Graduate School of Business Administration, methods of predicting economic phenomena.

These Latin American fellowships of the foundation are granted on terms generally similar to those governing the John Simon Guggenheim Memorial Fellowships in the United States. They are open to men and women, married or unmarried, without distinction of race, color or creed. Fellows from the United States to Latin America, or from Latin America to the United States, are not restricted in choice of university or other place of study.

The stipend for these fellowships, either for Latin America or for the United States, is \$2,500 a year plus a travel allowance. The fellowships are awarded in the first instance for one year, but with the possibility of renewal.

NATIONAL RESEARCH FELLOWSHIPS IN THE BIOLOGICAL SCIENCES

THE Board of National Research Fellowships in the Biological Sciences, which includes within its scope the fields of anthropology, psychology, botany, zoology, agriculture and forestry, held its first meeting in 1931 on January 31 and February 1, and made twelve reappointments and seventeen new appointments for the academic year 1931-32, as follows:

REAPPOINTMENTS

For domestic study:

O. D. Anderson—psychology
L. W. Gellermann—psychology
E. Harold Hinman—zoology
Ancel B. Keys—zoology
R. K. Meyer—zoology
Elsa R. Orent—biochemistry
Daniel Raffel—zoology
Hugh M. Raup—botany
Gene Weltfish—anthropology
Samuel Yochelson—psychology

For study abroad:

George Kreezer—psychology
T. L. Steiger—agriculture

NEW APPOINTMENTS

For domestic study:

G. W. Adriance—agriculture
S. H. Bartley—psychology
Lyman C. Craig—agriculture
S. T. Dexter—agriculture
Clarence H. Graham—psychology
S. R. H. Hall—zoology
E. W. Hopkins—agriculture
Burt P. Johnson—botany
Samuel L. Leonard—zoology
Marion L. Lohman—botany
B. F. Skinner—psychology
Frederick K. Sparrow, Jr.—botany
Raymond G. Stone—zoology
F. P. Zscheile, Jr.—botany

For study abroad:

H. H. Jasper—psychology
Victor C. Twitty—zoology
Wm. Caldwell Young—zoology

The second meeting for further appointments for 1931-32 is planned for about April 30 and May 1, and applications for consideration at this meeting should be filed not later than March 15. 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*

BOARD OF NATIONAL RESEARCH FELLOWSHIPS
IN THE BIOLOGICAL SCIENCES

THE INDIANAPOLIS MEETING OF THE AMERICAN CHEMICAL SOCIETY

THE eighty-first meeting of the American Chemical Society will be held in Indianapolis from March 30 to April 3. New knowledge of life processes in both health and disease through the systematic use of chemistry will be a chief field of discussion. More than 1,500 men and women of science are expected to attend.

The opening event, according to the preliminary program, made public by Secretary Charles L. Parsons, will be a meeting of the council at 2 P. M. on Monday, March 30, the president of the society, Professor Moses Gomberg, of the University of Michigan, presiding.

Three symposiums will be given on March 31. One, on "Contemporary Developments in the Chemistry of Physiologically Active Substances," under the auspices of the Divisions of Biological, Medicinal and

Organic Chemistry, with Professor James B. Conant, of Harvard University, as chairman.

A second symposium, on "Cooperation between Industry and Chemical Education," will be sponsored by the Division of Chemical Education, of which Dr. John N. Swan, of Tuckahoe, New York, formerly head of the department of chemistry in the University of Mississippi, is chairman. Teachers from high schools and colleges all over the United States will participate. Exhibits from high-school chemistry classes in many states will compete for prizes. There will also be an exhibition of chemical apparatus and products by manufacturers. On April 1 the Senate of Chemical Education, composed of representatives of education and industry, will convene to receive reports of committees. On April 2 the members of the division will attend the dedication at Bloomington of the new chemistry building of the University of Indiana.

A third symposium, on "Mathematics in the Service of Chemistry," will be given by the Division of Physical and Inorganic Chemistry, of which Professor Farrington Daniels, of the University of Wisconsin, is chairman.

"Dietary Facts and Fads" will be the subject of a public address at 8:30 P. M. on April 1 by Professor William C. Rose, of the University of Illinois. The Divisions of Gas and Fuel Chemistry, Industrial and Engineering Chemistry, and Petroleum Chemistry will combine in joint sessions on the "Utilization of Gaseous Hydrocarbons." New and unpublished research work at agricultural experiment stations will be reported at a meeting of the Division of Agricultural and Food Chemistry, headed by Professor James S. McHargue, chief chemist of the Kentucky Agricultural Experiment Station at Lexington.

The Division of Cellulose Chemistry, Frederick Olsen, director of research of the Western Cartridge Company, East Alton, Illinois, chairman, and the Division of Colloid Chemistry, Professor R. A. Gortner, of the University of Minnesota, chairman, will join in a symposium on "The Physical and Colloid Chemistry of Cellulose and Cellulose Derivatives."

The Paint and Varnish Division, of which P. R. Croll, of Milwaukee, is chairman, will discuss plans for nation-wide research to improve the finish and durability of protective coatings.

Sanitation, water softening, sulfide wastes and other problems of the water supply of cities will be discussed before the Division of Water, Sewage and Sanitation Chemistry. The Division of Sugar Chemistry, the History of Chemistry Division and the Division of Rubber Chemistry will also meet.

Divisional officers of the society will convene on the morning of April 1, Erle M. Billings, of the Eastman Kodak Company, presiding. Officers of the eighty local sections will gather on the morning of April 2, with Dr. H. T. Herrick, of the Bureau of Chemistry and Soils, Washington, D. C., as chairman.

Trips of inspection to the industries and educational institutions of Indiana and many social events, including group dinners and luncheons, have been arranged. J. K. Lilly, R. E. Lyons and P. C. Reilly, of Indianapolis, have been named honorary chairmen of the general convention committee. Harry E. Jordan is general chairman.

The business reorganization of the society, reports of officers and committees, endowment plans and expansion of publications, involving the world-wide reporting of scientific developments for the use of American men of science, will be taken up by the council.

SCIENTIFIC NOTES AND NEWS

DR. DAVID STARR JORDAN, chancellor emeritus of Stanford University, celebrated his eightieth birthday on January 19. Dr. Jordan was able to sit up for a short time to receive his most intimate friends. As a permanent expression of appreciation faculty, alumni and friends presented the "Jordan Room," his former office in the Zoology Building. This is to provide "a room beautiful in form and color, comfortable and convenient, in which his favorite subjects can be pursued for years to come." In Danville, at the foot of Mount Diablo, students planted a valley oak as a suitable expression of the strength manifested in Dr. Jordan's life. Dr. Barton W. Evermann, one of Dr. Jordan's first students at Indiana, was the principal speaker.

DR. WILLIAM H. WELCH, professor of the history

of medicine, and Dr. William H. Howell, professor of physiology and director of the School of Hygiene and Public Health of the Johns Hopkins University, will retire at the end of the present academic year. Dr. Welch was the first professor of pathology at the Johns Hopkins University School of Medicine, having been appointed in 1884. In 1916 he became the first director of the School of Hygiene and Public Health. In 1926 a chair of the history of medicine was created for him and in 1929 the new medical library was dedicated in his honor. Dr. Welch's eightieth birthday on April 8 of last year was marked by an international celebration. Dr. Howell, whose seventy-first birthday occurred on February 20, has been professor of physiology since 1893, succeeding Dr. Welch as director of the School of Hygiene and Pub-