

chief of the Bureau of Fish Management and Propagation of the division.

In approving the appointment of Dr. Langlois, the board of trustees of the university "reiterates its commitment to the operation of the Franz Theodore Stone Laboratory as a station for full-time fresh water biological research, emphasizing as a major objective the undertaking of concentrated long term research upon the problem of the depleted fisheries of Lake Erie and the inland waters of Ohio." At the same time it approved a continuation of the summer teaching and research programs on the island, recommending that the teaching program be extended beyond the summer quarter as funds and personnel permit.

In addition the following recommendations are made:

Immediate employment of a full-time fisheries biologist to study the trends of fluctuations in the fish populations of Lake Erie.

Early appointment of a full-time limnologist to study the character of Lake Erie as an environment for fishes.

Organization this summer of a symposium on "Biology of Fishes," to be conducted for the benefit of summer students at the laboratory and also for interested laymen, including representatives of the commercial fisheries industry.

The Ohio Division of Conservation will make available the space and facilities of its fish hatcheries for fisheries research. It is also agreed that the two co-operative agencies "shall encourage the other governmental and commercial agencies of the United States and Canada to station their fisheries research workers at the Stone Laboratory."

Planned for early study in the research program are:

Nature and causes of fluctuations of abundance of commercial and game fish species, and all forage and predaceous fish species.

Fish nets, their utilization and preservation, with attention to the effects of changes of water temperature on size of mesh and catch.

Relative effectiveness of natural and artificial propagation of the commercial and game fish species and the part played by each in maintaining the fisheries.

Methods of managing the commercial and game fish species and their habitat so as to permit the harvest of the maximum annual crops.

Gibraltar Island was presented to the Ohio State University in 1925 by Julius F. Stone, now chairman emeritus of the board of trustees, as a center for research and study on the biology of the lake region.

THE TENTH INTERNATIONAL CONGRESS OF CHEMISTRY

THE tenth International Congress of Chemistry will be held in Rome from May 15 to 25 under the presi-

dency of Professor Nicola Parravano, president of the International Union of Chemistry. Other officers are:

Vice-presidents: Honorable Professor Giuseppe Bruni, director of the Superior Institute of Engineering at Milan; Honorable Engineer Guido Donegani, president of the "Montecatini"; Senator Prince Piero Ginori-Conti, and Honorable Dr. Giovanni Morselli, managing director of Carlo Erba & Co., Ltd.

Secretary: Professor Dr. Domenico Marotta, director of the Institute of Public Health of the Ministry of the Interior.

The Board of Presidency, of which the above are members, is aided by a Scientific Committee, presided over by Professor Francesco Giordani, Italian Royal Academician.

The scientific meetings will be held in the buildings of the "University City" and the congress will carry on its work under the following schedule:

May 14.—Reception to welcome all members of the Congress and their families.

" 15.—Opening meeting.

Tour of the city of Rome and reception at the Palatine.

" 16.—Two general conferences.

One general conference. Papers read dealing with each section.
Concert.

" 17.—Excursion to Ostia. Visit to the ruins and modern sea front. Dinner.

Two general conferences. Papers read dealing with each section.

" 18.—Two general conferences.

One general conference. Papers read dealing with each section.
Reception.

" 19.—Excursion.

" 20.—Two general conferences.

One general conference.
Papers read dealing with each section.

" 21.—Closing of the Congress.

Closing banquet.

There will be eleven sections as follows: Chemistry and scientific thought, Basic chemical products, Chemistry and the utilization of the various forms of energy, Chemistry and alimentation, Chemistry and the house (chemistry and clothing), Chemistry and health (chemistry and hygiene, chemistry and beauty care), Chemistry and documentation (chemistry and advertising, chemistry and recreation), Chemistry and agricultural production, Chemistry and industry, Chemistry and transport, Chemistry and defence. Each section will have a president, a vice-president and a secretary. It is the plan of the congress that the sections shall consider "the relation of chemistry to the various forms of thought and of human activity." During the week general lectures have been arranged. The official lan-

guages of the congress are Italian, English, French and German.

After the close of the congress on May 22, tours of inspection to industrial plants and tours of general interest have been organized. The meetings of the tenth International Congress of Chemistry and the thirteenth Conference of the International Union of Chemistry will be held simultaneously.

THE DALLAS MEETING OF THE AMERICAN CHEMICAL SOCIETY

A SEMI-ANNUAL meeting of the American Chemical Society, under the presidency of Dean Frank C. Whitmore, of the Pennsylvania State College, will be held at Dallas, Texas, from April 18 to 21. An attendance of 1,500 chemists is expected.

The meeting will be open for registration from four to eight P.M. at the Adolphus Hotel on Sunday evening and all day on Monday. A general program has been planned for Monday beginning with a council meeting at 10:00 A.M. In the afternoon Professor Harry B. Weiser, of the Rice Institute, will make an address on "The Constitution of Colloidal Systems of the Hydrous Oxides" and Dr. Per K. Frolich, of the Standard Oil Company of New Jersey, will discuss "Recent Chemical Developments in Petroleum Technology." The third speaker will be Dr. D. P. Morgan, of Scudder, Stevens and Clark, investment counsel, New York. Dr. Whitmore will preside, Dr. Henry W. Harper, dean emeritus of the Graduate School of the University of Texas, will be honorary chairman, and Dr. N. C. Hamner, president of the Southwestern Laboratories, Dallas, has been named general chairman. At this session the Eli Lilly and Company Award in Biological Chemistry will be presented to Abraham White and the Women's Award in Chemistry, initiated by Francis P. Garvan, will be presented to Emma Perry Carr.

An extensive program of technical papers will be presented before the various divisions of the society. The divisions meeting at Dallas with their chairmen are: *Agricultural and Food Chemistry*, H. R. Kraybill; *Biological Chemistry*, Walter C. Russell; *Chemical Education*, B. C. Hendricks; *Gas and Food Chemistry*, H. H. Lowry; *The History of Chemistry*, Tenney L. Davis; *Industrial and Engineering Chemistry*, W. L. Badger; *Medicinal Chemistry*, George D. Beal; *Organic Chemistry*, Lyndon F. Small; *Paint and Varnish Chemistry*, E. E. Ware; *Petroleum Chemistry*, J. C. Morrell; *Physical and Inorganic Chemistry*, Harold S. Booth; *Sugar Chemistry and Technology*, Horace S. Isbell; *Water, Sewage and Sanitation Chemistry*, A. P. Black.

Five special symposia have been arranged. New developments in the potash industry in the Southwest will be surveyed in a symposium sponsored by the

Divisions of Physical and Inorganic and Industrial and Engineering Chemistry, with Dr. J. W. Turrentine, president of the American Potash Institute, Washington, D. C., as chairman. "Recent Advances in the Nutritional Evaluation of Feeding Stuffs" will be the subject of another symposium under the auspices of the Divisions of Biological and Agricultural and Food Chemistry. Together with the Division of Medicinal Chemistry, these divisions will also hold a symposium on "Vitamins." Sulfur, an important natural resource of Texas, will be treated in a group of papers presented before the Division of Industrial and Engineering Chemistry. The Division of Physical and Inorganic Chemistry plans a symposium on the "Application of Polarized Electrodes in Analytical Chemistry" under the chairmanship of Professor I. M. Kolthoff, of the University of Minnesota. The Division of Chemical Education will devote a session to "Teaching Elementary Organic Chemistry." Other divisions are arranging programs in the fields of cellulose, gas and fuel, microchemistry, paints and varnishes, petroleum, sugar, water, sewage and sanitation, organic chemistry and the history of chemistry.

THE ANNUAL MEETING OF THE PACIFIC DIVISION OF THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

THE preliminary announcement of the twenty-second Annual Meeting of the Pacific Division of the American Association for the Advancement of Science is now in press and will soon be distributed to members of the division. The announcement reports the participation of nineteen affiliated and associated societies.

Among the general features of interest will be a symposium on "Climate and Man," in which papers will be presented on: "The Present Climate of California," by Professor John Leighly, University of California, Berkeley, California; "Climate and Agriculture," by Dr. Merrill K. Bennett, Stanford University, California; "Climate and Disease," by Dr. Edward L. Munson, University of California Medical School, San Francisco, California, and "Climate and Science," by Dr. Ernst Antevs, Globe, Arizona. Evening addresses will be presented before the division at large on "Modern Conceptions of the Stellar System," by Dr. J. S. Plaskett, Dominion Astrophysical Observatory, Victoria, B. C., president of the Pacific Division, and on "Animal Experimentation," by B. O. Raulston, professor of medicine, University of Southern California, Los Angeles; A. J. Carlson, professor of physiology, University of Chicago, and Harry B. Torrey, professor of biology, Stanford University. Reviews of recent advances in scientific research will be presented by J. A. Anderson, Mount Wilson Ob-