

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-

servatory, on "Recent Instrumental Developments in Astronomy"; H. U. Sverdrup, Scripps Institution of Oceanography, on "Recent Advances in our Knowledge of the Oceans"; C. H. Danforth, Stanford University, on "The Sex Hormones," and R. Goldschmidt, University of California, on "Genetics." Numerous symposia organized by participating societies in the fields

of biology, chemistry and physics have also been arranged.

Members proposing to present papers before any of the societies are reminded that titles and abstracts of such communications must be in the hands of the secretary of the society before which the paper is to be given by April 27.

## SCIENTIFIC NOTES AND NEWS

DR. DONALD D. VAN SLYKE, member of the Rockefeller Institute for Medical Research, New York, was awarded on March 10 the degree of doctor of medicine, *honoris causa*, by the University of Oslo, Norway.

DR. ALEXANDER WETMORE, assistant secretary of the Smithsonian Institution, has been elected an honorary member of the British Ornithologists' Union.

DR. G. H. PARKER, professor of zoology, emeritus, of Harvard University, has been elected an honorary member of the Buffalo Society of Natural History.

PROFESSOR A. KROGH, of Copenhagen, and Professor L. Lapieque, of Paris, were elected on March 12 to honorary membership in the Physiological Society, London.

THE award of the American Association of Teachers of Physics, made at the January meeting of the society, for "notable contributions to the teaching of physics," was presented on March 31 to Dr. Edwin H. Hall, professor emeritus of physics at Harvard University.

THE Agricultural Club of the College of Agriculture of the University of Missouri presented Dean F. B. Mumford with a plaque at its annual banquet in appreciation of his work with students and their organizations during his twenty-nine years as head of the college. Dean Mumford, who retires this summer, was the principal speaker at the banquet.

THE bronze medal for 1938 of the John Burroughs Association was presented to Dr. Robert Cushman Murphy in recognition of his book on "The Oceanic Birds of South America" at the annual memorial birthday celebration held by the association in the American Museum of Natural History on the evening of April 2. Dr. Clyde Fisher presided over the ceremonies and presented the medal to Dr. Murphy.

THE Royal Geographical Society has announced the award of the Royal Medals as follows: The Founder's Medal to John Rymill, for his organization and leadership of the British Graham Land Expedition, 1934-37, and the Patron's Medal to Eric Shipton, for his explorations around Nanda Devi and Mount Everest and his conduct of the Shaksgam Expedition of 1937. The Victoria Medal has been awarded by the council

to A. R. Hinks, for his contributions to the study of geodesy and the figure of the earth, map projections and photogrammetric survey; The Murchison Grant to Martin Lindsay, for his journey across Greenland in 1934; The Back Grant to Thomas Hay, for his contributions to the physical geography of the Lake District; The Cuthbert Peek Grant to Bradford Washburn, for his explorations and glacier studies in Alaska, and the Gill Memorial to Ivan Champion, for his explorations and surveys in Papua.

*Nature* states that the following awards of medals of the British Institute of Patentees have recently been made: Grey-Wilson Memorial Gold Medal to Dr. S. C. Blacktin, for a dust and smoke meter; Yorkshire Gold Medal to W. H. Siddle, for a wire-joining tool; Special Silver Medals to Mrs. F. Peace for a superhet washer, J. R. Churchill for a chair, W. McClelland for a balanced two-stroke engine, and to F. W. Mason for an automatic blind control.

DR. E. V. MCCOLLUM, professor of biochemistry at the Johns Hopkins University, was elected president of the American Institute of Nutrition at its fifth annual banquet on March 30. He succeeds Dr. Mary Swartz Rose, of Teachers College, Columbia University. Other officers elected were: Dr. T. M. Carpenter, of the Carnegie Institution, Boston, *vice-president*; Dr. L. A. Maynard, of Cornell University, *secretary*; Dr. G. R. Cowgill, *treasurer*, and Dr. Helen S. Mitchell, of the Massachusetts State College, *member of the council*.

DR. GLENN E. CULLEN, of the University of Cincinnati, will be chairman of the Federation of American Societies for Experimental Biology during the coming year by virtue of his election at the recent meeting in Baltimore as president of the American Society of Biological Chemists. He succeeds Dr. Walter E. Garrey, of Vanderbilt University. Dr. Garrey was reelected president of the American Physiological Society; Dr. Arthur L. Tatum, of the University of Wisconsin, was elected president of the American Society for Pharmacology and Experimental Therapeutics, and Dr. C. Phillip Miller, University of Chicago, was elected president of the American Society for Experimental Pathology. Secretaries of the societies were