

laboratory work. These investigations are being carried out under special appropriation because of their importance for national defense purposes. In furtherance of that program and as one phase of the program of cooperation among American Republics, several geologists of the survey have recently been sent to Central and South America to investigate deposits of strategic minerals. C. F. Park, W. D. Johnston and T. P. Thayer have been in Cuba since early November inspecting deposits of manganese and chromite; Eugene Callaghan and J. F. McAllister left for Bolivia early in December to work on tin, tungsten, and antimony deposits; and W. D. Johnston and S. R. Capps arrived in Brazil in the middle of December to investigate deposits of chromite and manganese.

Among other projects under way in recent months were the following: (a) By Paul Averitt, an investigation of the gas resources and possibilities of the Early Grove area in southwestern Virginia, in cooperation with the State Survey; (b) by W. P. Woodring and K. E. Lohman, investigation and mapping of the structure, stratigraphy, and oil and gas resources of the Santa Maria district, Santa Barbara County, California; (c) by W. C. Warren, a study of the stratigraphy and structure of the area east of Forks, Washington, between the Hoh and Soleduck rivers, with special attention to its petroleum possibilities; (d) by J. T. Pardee, a study of faulting of intermontane basins of western Montana; (e) by W. B. Lang, a field study of recent developments in the potash field and of the resources and developments of sodium sulphate, in southeastern New Mexico, western Texas, and Arizona; (f) by H. D. Miser, an investigation of the quartz crystal deposits in the western part of Arkansas for the special purpose of acquiring information on possible future production of crystals suitable for radio transmitters.

The installation of apparatus for work in x-ray crystallography, under the direction of W. E. Richmond, has now been completed and several new minerals discovered by survey mineralogists are under examination with x-rays.

The facilities and services of the Water Resources Branch of the survey in furnishing and analyzing water-supply data and in the investigation of the availability of additional water supplies needed for defense activities are being extensively used by the War and Navy Departments, especially through the construction Quartermasters stationed at specific points where defense works are being expanded. In addition, much use is being made of the same facilities by private agencies engaged in furnishing water supplies for camps and defense bases and also for industrial plants engaged upon the construction of defense material.

THE NATIONAL RESEARCH FELLOWSHIP FOR WOMEN IN SCIENCE

THE initiation of a program that will lead to the awarding of the Sigma Delta Epsilon National Research Fellowship for Women in Science was authorized by Lois Lampe, of the Ohio State University, National President of Sigma Delta Epsilon, Graduate Woman's Scientific Fraternity, at the 1940 national convention of the society held in Philadelphia during the meetings of the American Association for the Advancement of Science.

The awarding of this fellowship, plans for which will be announced later, will celebrate the twentieth year of the fraternity which was founded in 1921 at Cornell University. It is the only woman's organization affiliated with the American Association for the Advancement of Science. The membership is made up of about twenty-five hundred women grouped in fourteen chapters.

Officers elected for the year 1941 are:

National President, Dorothy Day, department of botany, Smith College.

First Vice-president, Elizabeth Wagner Beasley, Texas Agricultural Experiment Station.

Second Vice-president, Mary A. Magill, associate editor, *Chemical Abstracts*, Columbus, Ohio.

National Secretary, Nina E. Gray, department of biology, Illinois State Normal University.

National Treasurer, Mary Bartley Schmidt, Fayetteville, Arkansas.

A PLAN TO PROMOTE CULTURAL FELLOWSHIP AND COOPERATION AMONG THE AMERICAN REPUBLICS

DR. ANTON J. CARLSON, professor of physiology at the University of Chicago, writes, as president of the Union of American Biological Societies, "that the trustees of *Biological Abstracts* have learned, in part through information furnished by the Pan-American Union of Washington, D. C., that there are now some one hundred and fifty *bona fide* research and educational institutions in our sister Republics south of the Rio Grande, which owing to lack of funds, inequality in monetary exchange value, etc., are not now subscribers to *Biological Abstracts*, a most useful, if not necessary compendium of the world literature in biological and medical research.

"In the hope that many national biological societies, foundations and individuals in the United States may find here a practical and effective means of promoting a Pan-Americanism based on understanding, mutual respect, personal friendliness and fair play, the trustees of *Biological Abstracts* have decided to reduce the cost of a set of the abstracts from \$250.00 to \$100.00 (including subscription for the 1941 volume)

to biological societies, foundations and individuals who wish to send such sets to one or more of the above South American institutions. The Union of American Biological Societies, at a recent meeting, approved the above plan.

"Organizations or individuals interested in this plan can secure a list of the South American institutions from Dr. John E. Flynn, University of Pennsylvania, Philadelphia. I think such action on our part would certainly constitute one of the many seeds that will sprout into international good will, understanding and respect, so necessary for our mutual peace and freedom."

THE GEOLOGICAL SOCIETY OF AMERICA

THE fifty-third annual meeting of the Geological Society of America was held at the University of Texas on December 26, 27 and 28.

More than seven hundred geologists, mineralogists and paleontologists registered. Eighty-five titles were listed on the program of the scientific sessions. The Mineralogical Society of America and the Paleontological Society, holding their twenty-first and thirty-second meetings, presented thirty-two papers and thirty-eight papers, respectively.

Professor Eliot Blackwelder, of Stanford University, retiring as president of the Geological Society, addressed the combined societies on the evening of December 26. His address was entitled "Science and the Human Prospects." On Thursday morning, December 26, Professor Carl O. Dunbar, of Yale University, retiring as president of the Paleontological Society, delivered an address on "The Permian Faunas: a Study in Facies." On Friday morning Dr. W. F. Foshag, of the U. S. National Museum, retiring president of the Mineralogical Society, spoke on "Problems in the Study of Meteorites."

The annual dinner was held on December 27. Dr. Nelson Horatio Darton, of the United States Geological Survey, was awarded the Penrose Medal of The Geological Society of America following a presentation address by Professor Douglas Johnson, of Columbia University, vice-president and member of the Medal Award Committee. At the close of the dinner program a fifteen-minute address by Past-president Charles K. Leith was brought to the banquet room from Washington by radio through the cooperation of the National Broadcasting Company. Professor Leith's subject was "Strategic Minerals in War and Peace."

Officers of the society for the year 1941 were elected as follows:

President, Charles P. Berkey.

Past-president, Eliot Blackwelder.

Vice-presidents, George S. Hume, Douglas Johnson, Raymond C. Moore, William F. Foshag.

Secretary, H. R. Aldrich.

Treasurer, Edward B. Mathews.

Councilors, Joseph Stanley-Brown, A. F. Buddington, B. S. Butler, Charles H. Behre, Jr., Kirk Bryan, Carl O. Dunbar, Charles E. Weaver, E. L. DeGolyer, William W. Rubey.

RECENT DEATHS AND MEMORIALS

DR. DAVID HILT TENNENT, research professor of biology at Bryn Mawr College, died on January 14 in his sixty-eighth year.

DR. PAUL NICHOLAS LEECH, director of the division of drugs, foods and physical chemistry of the American Medical Association, died on January 14 at the age of fifty-one years.

REAR ADMIRAL WILLIAM CLARENCE BRAISTED died on January 17 at the age of seventy-six years. From 1914 to 1921 he was surgeon general of the United States Navy and chief of the Bureau of Medicine and Surgery.

CARLETON ELLIS, research chemist and inventor, died on January 13. He was sixty-four years old.

HENRY GOLDMARK, of Nyack, N. Y., a civil engineer, who designed and supervised the construction of lock gates for the Panama Canal as a member of the staff of General George W. Goethals from 1906 to 1914, died on January 15 as the result of injuries received when he was struck by an automobile. He was eighty-three years old.

CLINTON A. LUDWIG, associate plant physiologist of the Division of Soil Microbiology of the Bureau of Plant Industry, U. S. Department of Agriculture, died on January 7 at the age of fifty-four years.

DR. EDWARD JOHN VON KOMOROWSKI MENGE, lecturer in biology at the College of St. Francis, from 1935 to 1937 head of the department of biology at the college, died on January 8, at the age of fifty-eight years.

SALVADOR HOSPITAL, Santiago, Chile, dedicated on November 7 a new wing in honor of the late Dr. Harvey Cushing. A full-length portrait of Dr. Cushing was unveiled by United States Ambassador Claude G. Bowers. The president of Chile, the minister of health and other officials were present.

It is reported in the *Journal* of the American Medical Association that the Milwaukee Sanitarium at Wauwatosa has named its twentieth building the Billings House and has dedicated it in honor of the late Dr. Frank Billings of Chicago, who for twenty-five years was a director of the sanitarium.

A BUST of Hippocrates has been given to the Division of Medical History and Bibliography of the Medical School of the University of California by Dr. Pan S. Codellas and other members of the Greek colony of San Francisco. Formal presentation was made at exercises commemorating the birth of Hippocrates