

Food and Drug Administration, \$70,000 for repairs, painting and reconstruction of physical equipment. Bureau of Plant Industry, \$648,806, for repairing, renovating and reconstruction work. Bureau of Plant Quarantine, \$63,050 for repairs and improvements, largely to protect the Mexican border from invasion by plant and animal plagues. Weather Bureau, \$20,000, for repair work on its stations.

Department of Commerce: Bureau of Aeronautics, \$443,000, for relocating and improving air beacons and airway radio facilities. Bureau of Fisheries, \$150,000, for reconditioning and repairing hatcheries, buildings and vessels.

Department of the Interior: Geological Survey, \$1,200,000, mostly for gauging stream levels. Office of Indian Affairs, \$2,820,000, for schools, hospitals and equipment on reservations. National Park Service, \$1,250,000, for all parks. Bureau of Reclamation, \$44,460,000, for reclamation projects; of this \$38,000,000 will go for the Boulder Dam project. Virgin Islands, \$114,500, for reconstruction, repair, construction and the building of a leper asylum at St. Croix.

Department of Labor: Bureau of Immigration, \$1,344,480, for repairing, altering and improving immigration stations.

State Department: International Boundary Commissions, \$1,528,000. This covers work on the northern and Alaskan boundaries, but most is for international flood control works in the lower Rio Grande Valley, contingent on Mexican expenditure.

Treasury Department: Public Health Service, \$102,438, largely for reconditioning vessels used for quarantine purposes.

Independent Offices: National Advisory Committee on Aeronautics, \$200,000, for experimental work and equipment at Langley Field.

THE INTERNATIONAL GEOLOGICAL CONGRESS

THE sixteenth session of the International Geological Congress meets in Washington from July 22 to July 29. Professor Waldemar Lindgren, of the Massachusetts Institute of Technology, is chairman, and Dr. W. C. Mendenhall, of the U. S. Geological Survey, is secretary of the committee on organization.

A detailed account of the arrangements for the congress will be found in the issue of SCIENCE for March 10. A reception under the auspices of the Geological Society of America is given in New York City on July 21, on which day the American Museum of Natural History gives a luncheon in honor of the foreign guests.

A series of excursions, mostly in the east, has been planned prior to the congress, a series of short excursions is offered during the sessions, and after adjourn-

ment there will be extensive excursions to the central and western states. The nature of some of these is indicated by the following summary descriptions of them:

Eastern New York and western New England.
Mining districts of Southeastern and Central States.
Appalachian Valley in Virginia.
Paleozoic stratigraphy of New York.
Coastal plain of the Chesapeake Bay region.
Oil fields of Oklahoma and Texas.
Geomorphology of the central Appalachians.
Mineral deposits of New Jersey and eastern Pennsylvania.
Transcontinental excursion starting from San Francisco.

The following topics have been chosen for consideration:

Measurement of geologic time by any method.
Batholiths and related intrusives.
Zonal relations of metalliferous deposits.
Major divisions of the Paleozoic era.
Geomorphogenic processes in arid regions and their resulting forms and products.
Fossil man and contemporary faunas.
Orogenesis.
Geology of petroleum.
Copper resources of the world.

Papers relating to the topics listed above and others which may be of general interest will be presented at sectional meetings during the session. Owing to the large number of papers already offered, it will be necessary to hold technical sessions on those days for which excursions are planned. In addition to the regular technical program, the centenary of the publication of Lyell's "Principles of Geology" will be observed by an address by Dr. Frank Dawson Adams, of the University of Montreal.

The Geological Society of Washington offers a reception to members of the congress on the evening of July 22. Afternoon tea will be served daily at the Chamber of Commerce Building.

OBITUARY

DR. WILLIAM LEWIS ELKIN, professor emeritus of astronomy at Yale University, where he was director of the observatory from 1896 to 1910, has died at the age of seventy-eight years.

DR. HAROLD DE FOREST ARNOLD, director of research of the Bell Telephone Laboratories, died on July 9. He was forty-nine years old.

FREDERICK WORTHEN BRADLEY, in 1929 president of the Institute of Mining Engineers, died on July 6 at the age of seventy years.

PROFESSOR F. ERIC MILLEN, provincial apiarist and