

B. PHYSICS

- **The American Physical Society.
- *The American Meteorological Society.
- **The Optical Society of America.

C. CHEMISTRY

- **The American Chemical Society.
- The American Institute of Chemical Engineers.
- **The American Electrochemical Society.

D. ASTRONOMY

- **The American Astronomical Society.

E. GEOLOGY AND GEOGRAPHY

- **The Geological Society of America.
- The Paleontological Society of America.
- **The Association of American Geographers.
- **The Seismological Society of America.
- **The American Geographical Society.
- The National Council of Geography Teachers.
- The American Alpine Club.
- *The Mineralogical Society of America.

F. ZOOLOGICAL SCIENCES

- **The American Society of Zoologists.
- **The Entomological Society of America.
- **The American Association of Economic Entomologists.
- **The Eugenics Research Association.
- **The American Society of Mammalogists.
- The Wilson Ornithological Club.

G. BOTANICAL SCIENCES

- **The Botanical Society of America.
- **The American Phytopathological Society.
- *The American Society of Plant Physiologists.
- The Botanists of the Central States.
- The American Fern Society.
- The Sullivant Moss Society.

F-G. ZOOLOGY AND BOTANY

- **The American Society of Naturalists.
- **The Ecological Society of America.
- **The American Genetic Association.
- **The American Microscopical Society.
- The American Nature-Study Society.

H. ANTHROPOLOGY

- **The American Anthropological Association.
- The Archeological Institute of America.
- The American Folk-Lore Society.

I. PSYCHOLOGY

- **The American Psychological Association.
- The Southern Society for Philosophy and Psychology.

K. SOCIAL AND ECONOMIC SCIENCES

- The American Civic Association.
- The American Economic Association.
- The Metric Association.
- The American Sociological Society.
- The American Statistical Association.

M. ENGINEERING

- **The American Society of Mechanical Engineers.
- **The American Institute of Electrical Engineers.
- **The American Institute of Mining and Metallurgical Engineers.
- **The American Society of Civil Engineers.
- **The Illuminating Engineering Society.
- *The American Society for Testing Materials.
- The American Society of Heating and Ventilating Engineers.
- The American Society of Refrigerating Engineers.
- *The American Ceramic Society.

N. MEDICAL SCIENCES

- **The American Medical Association.
- **The American Association of Anatomists.
- The American Physiological Society.
- **The Society of American Bacteriologists.
- The American Society for Pharmacology and Experimental Therapeutics.
- The American Society of Biological Chemists, Inc.
- The American Society for Experimental Pathology.
- **The American Public Health Association.
- The Society of American Microanalysts.

O. AGRICULTURE

- **The American Society of Agronomy.
- *The Society of American Foresters.
- *The American Society for Horticultural Science.
- The American Pomological Society.
- The American Association of Official Seed Analysts.
- The Potato Association of America.
- The American Society of Animal Production.
- *Canadian Society of Technical Agriculturists.
- The American Dairy Science Association.

Q. EDUCATION

- **The National Education Association.
- **The National Society of College Teachers of Education.
- **The National Society for the Study of Education.
- **The American Federation of Teachers of the Mathematical and Natural Sciences.
- The American Philosophical Association.
- The Phi Delta Kappa Fraternity.

SOCIETIES NOT SPECIALLY RELATED TO ANY PARTICULAR SECTION

- **The Society of Sigma Xi.
- **The American Association of University Professors.
- **The Gamma Alpha Graduate Scientific Fraternity.
- The Bibliographical Society of America.
- The Gamma Sigma Delta Society.
- The Honor Society of Phi Kappa Phi.

AFFILIATED ACADEMIES OF SCIENCE

(These are not classed as affiliated societies, but have a special arrangement. Each has a single representative in the Council. For the names of these representatives see the list of Council members, *SCIENCE* for February 6, page 132. Each affiliated academy receives a financial allowance from the Association each year, to aid in its work.)

- The Illinois State Academy of Science.
- The Iowa Academy of Science.
- The Kansas Academy of Science.
- The Kentucky Academy of Science.
- The Maryland Academy of Sciences.
- The Michigan Academy of Science.
- The Nebraska Academy of Science.
- The New Orleans Academy of Sciences.
- The North Carolina Academy of Science.
- The Ohio Academy of Science.
- The Oklahoma Academy of Science.
- The Wisconsin Academy of Sciences, Arts and Letters.

BURTON E. LIVINGSTON

Permanent Secretary

SCIENTIFIC EVENTS

EXPEDITION OF THE CALIFORNIA ACADEMY OF SCIENCES TO THE REVILLAGIGEDO ISLANDS

AMONG the more important activities of the California Academy of Sciences during the present year

will be a biological survey of the Revillagigedo Islands. At the request of Dr. Barton Warren Evermann, director of the museum and of the Steinhart Aquarium of the California Academy of Sciences, the secretary of the navy has detailed the United States mine-sweeper *Ortolan* for the use of the academy during the investigations.

The Revillagigedos are a group of five small islands lying off the Pacific Coast of Mexico about 850 miles south of San Diego, California, and in about 20° north latitude.

The purpose of the expedition will be to make as comprehensive and thorough a survey of each of the islands as possible in the time available. This will include a study of the fauna and flora and of their surrounding waters. It is expected that ample collections of birds, mammals, reptiles, insects, fishes, marine invertebrates, plants, etc., will be made. It is the intention of the academy to donate duplicate series of specimens to the United States National Museum, and to the Museo Nacional de Mexico.

The *Ortolan* will be in command of Lieutenant M. M. Nelson, United States Navy. The academy's scientific staff will include the following: Dr. G. Dallas Hanna, curator of paleontology, chief of expedition; Joseph R. Slevin, assistant curator of herpetology, assistant chief; Frank Tose and John T. Wright, taxidermists representing the departments of ornithology, mammalogy and exhibits; Hartford E. Keifer, entomology; H. L. Mason, botany, and Eric Knight Jordan, paleontology and ichthyology.

In addition to these, the academy has extended, through our State Department, an invitation to the Mexican government to send two Mexican biologists to accompany the expedition as guests of the California Academy of Sciences.

The islands of the Revillagigedos group are of volcanic origin and are uninhabited. They have never been thoroughly explored. Practically all that is known of their fauna relates to the birds and the fishes. Not much is known of their flora. The origin of the fauna and flora has not been determined but they are said to possess certain Indo-Pacific elements.

The expedition will leave San Francisco about the middle of April and will return at the end of June.

The cooperation of the Navy Department with scientific institutions in expeditions such as that which the California Academy of Sciences is sending out is of great benefit to science and is receiving the hearty approval of scientific men and institutions throughout the world. The cooperation is, of course, mutually helpful, as opportunity is afforded the navy to make many observations and studies in oceanography and meteorology which will prove of distinct value both to the navy and to shipping interests.

FELLOWSHIPS IN COOPERATION WITH THE BUREAU OF MINES

GRADUATE fellowships in mining, metallurgical and chemical research are offered by prominent institutions of learning in various states, in cooperation with the Bureau of Mines of the Department of the Interior. The object in offering these fellowships is to assist in the solution of different problems being studied by the Bureau of Mines that are of special importance to the region in which these institutions are located.

These institutions offer such fellowships for the college year 1925-1926: University of Alabama, the University of Arizona, the Carnegie Institute of Technology, Pittsburgh; the University of Missouri, Rolla, Mo.; the Ohio State University, the University of Utah, the University of Washington, Seattle, and the University of Idaho.

The school of mines of the college of engineering of the University of Alabama offers five fellowships in mining and metallurgical research. The value of each fellowship is \$540 per year. The problems selected for investigation relate to beneficiation of iron ores.

The Arizona Bureau of Mines, a subdivision of the college of mines and engineering of the University of Arizona, offers two fellowships yielding \$660 per year.

The cooperative mining courses of the Carnegie Institute of Technology offer four fellowships in coal-mining research. Each fellowship carries a stipend of \$750. Subjects suggested for investigation relate to the origin and constitution of coal, acid mine waters, efficiency in coal mining, coal-washing methods, utilization of coal, coal-mine safety, spontaneous combustion of coal and coal-mine explosions.

The school of mines and metallurgy of the University of Missouri offers four fellowships, the income of which is \$800 each per annum. The subjects to be investigated are the metallurgy of zinc, refractories for the metallurgy of zinc and physical metallurgy, including the heat treatment of steel.

The engineering experiment station of the Ohio State University offers three fellowships, each with a stipend of \$750 per school year. Research in the ceramic and allied fields will be undertaken by these fellows.

The University of Utah offers five fellowships, each valued at \$720 per annum. The subjects to be investigated will be selected from the following list: Pulverizing ores and minerals, hydrocarbons, field investigations, flotation, development of differential methods of separating various sulphide ores, hydrometallurgy of zinc, hydrometallurgy of lead, sulphate roasting of complex sulphide ores.

The college of mines of the University of Washing-