

ment Station. Following the meetings, there will be an excursion on September 1 to some of the agricultural regions of New Jersey.

The meetings are being held in close cooperation with the third International Congress for Microbiology, which will be opened on September 2. Those wishing information concerning the program and arrangements should communicate with R. L. Starkey, Agricultural Experiment Station, New Brunswick, N. J.

THE SIXTH PACIFIC SCIENCE CONGRESS

THE sixth Pacific Science Congress will be held from July 24 to August 12 at Berkeley, Stanford University and San Francisco, California, under the auspices of the National Research Council. The general arrangements are in charge of the Committee on Pacific Investigations of the council. Responsibility for perfecting the program and for local arrangements has been assigned to a committee on the sixth Pacific Science Congress. In the detailed conduct of the congress, the committees in charge will be represented by an executive committee. Cooperating with these committees is the Department of the Pacific Area of the Golden Gate Exposition, 1939, of which Dr. Ray Lyman Wilbur, president of Stanford University, is chairman, and Philip N. Youtz, director.

Stanford University and the University of California will be the host institutions for the congress. The Golden Gate International Exposition will assist and cooperate with them. The sessions of the first period, from July 24 to August 5, will be held mainly at the University of California at Berkeley, which will provide meeting places. The sessions of the second period, from August 6 to 12, will be held at Stanford University.

Through the courtesy of the State Department of the United States, invitations to participate have been extended to forty-two countries which are either included in the Pacific area or have dominions, colonies, territories or dependencies within the area. Individual invitations have also been extended to many scientific men in these countries to contribute to the section programs. The following reports of standing committees authorized by the fifth Pacific Science Congress will be presented:

Oceanography of the Pacific, Thomas G. Thompson, *chairman*, professor of chemistry and director of Oceanographic Laboratories, University of Washington.

Volcanic Rocks, Patrick Marshall, *chairman*, vice-president, Royal Society of New Zealand; testing officer, Public Works Department, Wellington.

Blood Groups, L. T. Ride, *chairman*, professor of physiology, University of Hong Kong.

Protection of Nature, M. Miyoshi, *chairman*, professor of botany, emeritus, Imperial University of Tokyo, and Carl Skottsberg, *secretary*, professor of botany, University of Göteborg, and director of the botanical gardens.

Soil Survey and Classification, Boris B. Polynov, *chairman*, commission for the nomenclature, classification and mapping of soils, International Soil Science Association, Groningen, Netherlands.

Classification and Utilization of Land, W. C. Lowdermilk, *chairman*, chief, Research Division, U. S. Soil Conservation Service.

Forest Resources, D. Y. Lin, *chairman*, director of forestry, Ministry of Economic Affairs, Chungking, China.

Pacific Economic Entomology, Harry S. Smith, *chairman*, professor of entomology in the Citrus Experiment Station and Graduate School of Tropical Agriculture of the University of California, Riverside.

Mountain Structures, H. A. Brouwer, *chairman*, professor of geology and director of the Geological Institute, University of Amsterdam.

Seismology, Ernest A. Hodgson, *chairman*, seismologist, Dominion Observatory, Canada.

The special program is divided into eight sections as follows:

The Pacific Basin; structure and dynamics: geology and geophysics.

The Pacific Ocean; properties, dynamics, life: oceanography and marine biology.

Pacific climates, past and present.

Man and culture in the Pacific region; characteristics, dispersal and development, objectives and results of research: anthropology, human geography and ethno-botany.

Terrestrial fauna of the Pacific islands and bordering lands; characteristics, origin, distribution, human relations: animal sciences.

Terrestrial flora of the Pacific islands and bordering lands; characteristics, origin, distribution and human relations; plant sciences.

Public health and nutritional problems of the Pacific region; tropical medicine and nutrition.

Soil problems of the Pacific islands and bordering lands; characteristics, utilization, conservation.

The public sessions that have been arranged include one to be addressed by Dr. Beno Gutenberg, professor of geophysics and meteorology, California Institute of Technology; another by Dr. Elmer Drew Merrill, professor of botany at Harvard University, and a third by Dr. H. U. Sverdrup, director of the University of California Scripps Institution of Oceanography at La Jolla. A number of excursions are planned to points of scientific interest.