

meetings. Addresses were given at the plenary sessions by foreign delegates and other invited members. The sections represented were (1) general biology; (2) cytology, histology, embryology and anatomy; (3) physiology and biochemistry; (4) parasitology, microbiology, hematology and serology; (5) methods and didactics of the biological sciences. The general interest of South American biologists is probably well indicated by the names of the sections and by the numbers of papers given in each. At the plenary sessions 30 papers were presented; in section 1, 26 papers; section 2, 63; section 3, 101; section 4, 93; section 5, 9. Supplementary programs added 22 papers, making a total of 344. The strong medical cast of biology here is apparent in these figures and in the absence of such categories as genetics, ecology, etc.

The officers of the congress were: *President*, Clemente Estable; *Secretary*, Benigno Varela Fuentes; *Treasurer*, Julio E. Moreau. Additional members of the *Executive Committee* were Drs. Apolo, Cordero, Prunell, Pucci, Guerrero and Rubino. For each country in South America represented there was an executive committee and the membership in these is an index to the working forces in biology there. The largest foreign attendance was naturally from Argentina and Brazil. This first Biological Congress was so successful that it was voted to hold a second in Rio de Janeiro two years hence under the presidency of Professor Miguel Ozorio de Almeida. Attendance of North American biologists would, I am sure, bring them much pleasure and considerable surprise at the amount and character of biological work being done south of the Caribbean.

C. E. McCLUNG

#### LECTURES OF THE PHILADELPHIA ACADEMY OF NATURAL SCIENCES

THE Ludwick free lectures were given in the auditorium of the Philadelphia Academy of Natural Sciences during January and February and will continue through March. These consist of twelve Monday evening and eight Sunday afternoon lectures, the speakers and their subjects being as follows:

Francis R. Cope, Jr., "New Zealand for the Nature Lover."

Dr. Clyde Fisher, of the American Museum of Natural History, New York, "Wild Flowers of Spring."

Dr. William E. Hughes, research associate, "Honolulu."

Dr. S. A. Barrett, director of the Milwaukee Public Museum, "Tamest Africa."

Captain James Sawders, of Pittsburgh, "The Wonderland of Mexico."

Barnum Brown, of the American Museum of Natural History, New York, "Searching for Prehistoric Life in Arizona."

Dr. Witmer Stone, vice-president, "Bird Life of the New Jersey Sea Coast, Past and Present."

Samuel G. Gordon, "Across South America and Africa."

James A. G. Rehn, secretary, "A Naturalist in Honduras."

Lester W. Strock, "By Pack Train Through the Canadian Mountains."

Henry W. Fowler, "A Glimpse of Maritime China and Japan."

Wharton Huber, "Across Canada to the Queen Charlotte Islands."

The Sunday afternoon lectures were as follows:

Dr. Henry A. Pilsbry, curator of mollusks and marine invertebrates, "Shell Fish and Other Invertebrates of the Seashore of New Jersey."

James A. G. Rehn, associate curator of entomology, "Insects—Beauties and Pests Found Near Philadelphia."

Henry W. Fowler, associate curator of vertebrate zoology, "Fishes, Their Life in the Waters Around Philadelphia."

Dr. Emmett R. Dunn, of Haverford College, "Reptiles and Amphibians, Modern Relatives of Ancient Races."

Dr. Witmer Stone, curator of vertebrate zoology, "Bird Life in Springtime."

J. Fletcher Street, "Wild Flowers of the Philadelphia Region."

Wharton Huber, associate curator of vertebrate zoology, "Familiar Mammals of Pennsylvania and New Jersey."

Dr. Henry A. Pilsbry, "Animals of the Ancient Past."

The Monday evening lectures begin at 8 o'clock and the Sunday afternoon lectures at 3 o'clock.

#### THE FEDERATION OF AMERICAN SOCIETIES FOR EXPERIMENTAL BIOLOGY

THE Federation of American Societies for Experimental Biology formed by the American Physiological Society, the American Society of Biological Chemists, the American Society for Pharmacology and Experimental Therapeutics and the American Society for Experimental Pathology, will meet at the McGill University, Montreal, Canada, from April 8 to 11, 1931. The preliminary program follows:

*Wednesday, April 8.*—The members are invited to visit various laboratories and points of interest in Montreal. Meetings of the Executive Committee of the Federation and of the Councils of the Societies.

*Thursday, April 9.*—Joint Session of the Federation and Scientific and Business Sessions of the Societies. A complimentary banquet will be tendered the members in the evening.

*Friday, April 10.*—Scientific and Business Sessions of the Societies. Joint Demonstrations 2:00 P. M. General Meeting of the American Society of Biological Chemists at 3:30 P. M. The annual banquet