

Brachiopoda, Echinoidea, Asteroidea, sponges, corals and many Crustacea were collected in large numbers and at many places.

Aquarium: The tanks on the deck of the *Zaca* were equipped for constant circulation of sea water. By means of heating apparatus it was possible to bring the tropical forms alive from as far south as the Galapagos to San Francisco. Many of the gaudily colored fishes from warm waters seem to lose some of their brilliance when placed in the aquarium, although otherwise they appear normal in every way. Except for the anxiety caused by the possible failure of the water circulation system the transportation of living fishes aboard ship involves no very great difficulty and apparently imposes no special hardship on the fishes themselves. Those carried on the *Zaca* consumed 640 pounds of food during the cruise.

Ornithology: A collection of about 400 specimens of birds was brought back by the expedition. By far the greatest number was taken on the Galapagos Islands where special effort was made to select certain species or particular plumages to fill out the academy's series. One species of finch not known since the time of Charles Darwin and supposed to be extinct was found to have survived on some of the islands. The birds of these islands are of exceptional interest, not only because of their many remarkable peculiarities, but because the study of them was largely responsible for the formulation of Darwin's theory of evolution. By the use of the freezing equipment installed aboard the ship, Mr. Crocker was able to bring back numerous birds in the flesh. These were taken after the departure of the ornithologist.

THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

HOTEL HEADQUARTERS AT ATLANTIC CITY

THE ninety-first meeting of the association will be held at Atlantic City from Tuesday, December 27, to Saturday, December 31. This will be a quadrennial convocation meeting, which would normally have been held at Chicago. A meeting in Chicago was, however, postponed until June in order to cooperate with the Century of Progress Exposition. Forty-one scientific societies plan to hold meetings with the association at Atlantic City. Several societies will meet for the first time with the association. Others, which have not met with the association since the New York meeting of 1928, will be present at Atlantic City.

Dr. Franz Boas, retiring president of the association, will deliver the opening general address on a subject in anthropology. The first Maiben Lecture, a new lecture established in memory of the late Hector Maiben, of Lincoln, Nebraska, will be delivered by Dr. Henry Norris Russell, of Princeton University, on "The Constitution of the Stars." Dean Dexter S. Kimball will deliver an evening address on "The Social Effects of Mass Production." Other general addresses will be given by Dr. O. H. Caldwell, formerly U. S. radio commissioner, Dr. Dayton C. Miller, Dr. Mel T. Cook, Dr. Richard C. Tolman (Gibbs Lecture), Dr. Russell W. Bunting and Dr. C. C. Speidel. Practically all the fifteen retiring vice-presidents of the association will deliver addresses of somewhat general interest.

A number of sections and societies are planning important symposia. Dr. John J. Abel, president of the association, is organizing one for discussion of "The

Physiological Relations of the Pituitary Body." Sections K (Economics, Sociology and Statistics) and M (Engineering) are organizing a symposium on "The Stabilization of Employment." Further details about symposia and meetings of societies and sections will be given in subsequent numbers of SCIENCE.

HOTEL HEADQUARTERS

General headquarters for the association will be at Chalfonte-Haddon Hall, which is located on the board walk. Rates quoted for rooms, single occupancy, American plan (with meals), are \$5.00 to \$9.00 without bath and \$7.00 to \$10.00 with bath. For single occupancy, rooms with bath on the European plan (without meals) are listed at \$3.00 to \$6.00. Rooms with private bath for double occupancy (two persons), are quoted at \$12.00 to \$18.00, American plan, and \$5.00 to \$10.00, European plan.

Names of societies holding meetings, dates of meetings and hotel headquarters are given below. The dates for section meetings include the meeting dates of all associated societies. Unless otherwise stated, the hotel headquarters for the societies are the same as for the section under which they are listed. Minimum special hotel rates per person for two in a room, European plan, are quoted. For American plan rates (with meals) add \$2.00 to \$3.00 extra.

SECTION A (MATHEMATICS): December 27 to 30; Hotel Morton, \$2.00 without bath. American Mathematical Society, December 27 to 30; Mathematical Association of America, December 27 to 28.

SECTION B (PHYSICS): December 27 to 31; Ambassador Hotel, \$3.00 with bath. American Physical Society,

December 28 to 30; Society of Rheology, December 27 to 28; American Association of Physics Teachers, December 30 to 31; American Meteorological Society, December 27 to 29; Ludy Hotel, \$2.50 with bath.

SECTION C (CHEMISTRY): December 29 to 31; Marlborough-Blenheim Hotel, \$3.50 with bath. Eastern New York, New Jersey, Pennsylvania, Delaware and Maryland Sections of the American Chemical Society, December 29 to 31.

SECTION D (ASTRONOMY): December 27 to 29; Madison Hotel, \$2.50 without bath. American Astronomical Society, December 27 to 29.

SECTION E (GEOLOGY AND GEOGRAPHY): December 27; Ritz-Carlton, \$3.50 with bath.

SECTION F (ZOOLOGICAL SCIENCES): December 27 to 30; Ambassador Hotel, \$3.00 with bath. American Society of Zoologists, December 28 to 30. Headquarters for the Entomological Society of America, December 27 to 28, and the American Association of Economic Entomologists, December 28 to 30, will be at Chalfonte-Haddon Hall, \$2.50 with bath. Headquarters for the American Society of Parasitologists, December 28 to 30, will be at the Chelsea Hotel, \$3.00 with bath.

SECTION G (BOTANICAL SCIENCES): December 27 to 30; Traymore Hotel, \$2.50 without bath. Botanical Society of America, December 27 to 30; Mycological Society of America, December 28 to 30; American Society of Plant Physiologists, December 27 to 30. Headquarters for the American Phytopathological Society, December 28 to 30, will be at the Madison Hotel, \$2.50 without bath.

SOCIETIES RELATED TO SECTIONS F AND G: Headquarters and dates of meetings are as follows: American Society of Naturalists, December 30, Ambassador Hotel, \$3.00 with bath; Ecological Society of America, December 28 to 30, Traymore Hotel, \$3.00 with bath; American Microscopical Society, December 29, and Genetics Society of America, December 27 to 30, Chelsea Hotel, \$3.00 with bath; Phi Sigma Biological Research Society, December 28 to 30, Ritz-Carlton, \$3.50 with bath.

SECTION H (ANTHROPOLOGY): December 28 to 30; Marlborough-Blenheim, \$3.50 with bath. American Anthropological Association, December 28 to 30; American Folk-Lore Society, December 28 to 30.

SECTION I (PSYCHOLOGY): December 28 to 30; Dennis Hotel, \$2.50 with bath.

SECTION K (SOCIAL AND ECONOMIC SCIENCES): December 26 to 28; Chalfonte-Haddon Hall, \$2.50 with bath. Econometric Society, December 26 to 28; Metric Association, December 27.

SECTION L (HISTORICAL AND PHILOLOGICAL SCIENCES): December 29 to 30; Ludy Hotel, \$2.50 with bath. History of Science Society, December 29 to 30.

SECTION M (ENGINEERING): December 28 to 29; Chalfonte-Haddon Hall, \$2.50 with bath. American Society for Testing Materials, December 29; Institute of Radio Engineers, December 29.

SECTION N (MEDICAL SCIENCES): December 28 to 30; Chelsea Hotel, \$3.00 with bath. American College of Dentists, December 30.

SECTION O (AGRICULTURE): December 28 to 30; Chalfonte-Haddon Hall, \$2.50 with bath. American Society for Horticultural Science, December 28 to 30; American Society of Agronomy, December 28; Potato Association of America, December 28 to 30; Crop Protection Institute, December 29.

SECTION Q (EDUCATION): December 28 to 29; Dennis Hotel, \$2.50 with bath. Pi Lambda Theta; Phi Delta Kappa; Kappa Delta Pi.

SCIENCE IN GENERAL: Society of the Sigma Xi, December 28; Chalfonte-Haddon Hall, \$2.50 with bath. Gamma Alpha Graduate Scientific Fraternity, December 28 to 29; Ludy Hotel, \$2.50 with bath. Sigma Delta Epsilon Graduate Women's Scientific Fraternity, December 28; Marlborough-Blenheim, \$3.50 with bath. American Nature Study Society, December 27 to 29; Marlborough-Blenheim, \$3.50 with bath. Pi Gamma Mu, December 29; Chalfonte-Haddon Hall, \$2.50 with bath.

In general, each associated society will hold sessions in the hotel assigned to it as headquarters. All who expect to attend the Atlantic City meeting are urged to make early reservations. This is especially desirable for those who wish to stay in the hotel which has been named as headquarters for their society.

Some small hotels not on the board walk are quoting rates as low as \$1.50 per person. Information regarding these will be furnished on request to the permanent secretary or to the Atlantic City Convention Bureau.

CHARLES F. ROOS,
Permanent Secretary

OBITUARY

THOMAS GEORGE LEE

PROFESSOR THOMAS G. LEE died on September 1, 1932, from injuries received in an automobile accident a few days previously. He had resided at Babson Park, Florida, since his retirement from the University of Minnesota as professor emeritus in 1929.

He was born at Jacksonville, New York, in 1860. He attended the University of Pennsylvania, where he received the degrees of B.S. and M.D. (1886). He

was also awarded the degree of B.S. at Harvard University. During the last two years at Pennsylvania he served as student assistant in histology and embryology. Then he went to Yale University, where for five years he was lecturer in histology and embryology and director of the laboratory. He also taught these subjects for one year at Radcliffe College.

In 1892, he was called to the University of Minnesota as an instructor in the recently established school