

course will be expected to carry on research, under the direction of members of the staff, as well as engage in the usual work of the course.

During the fiscal year 1928, the assets of the laboratory have been increased by about \$50,000. This includes the new George Lane Nichols Memorial Laboratory.

#### THE AMERICAN NATURE STUDY SOCIETY

THE meeting of the American Nature Study Society, which is to be held in connection with the meeting of the American Association for the Advancement of Science, December 27-31, will have its sessions in the American Museum of Natural History in the Reptile Hall. One of the outstanding features of this meeting will be the fact that the program will cover five days instead of two, as has been the custom heretofore. The five days will be full ones. The New York group will be well represented by speakers who are educators as well as scientists. The nature program from the point of view of the city person, the nature program which is state wide, will be discussed by men and women from many states. The contributions made by various organizations will be discussed by representatives of these organizations. A sight-seeing trip to places of interest around New York to nature leaders will be given on Sunday. Representative nature rooms in the public schools will be opened for inspection to the guests of the society.

Another feature will be the dinner which is to be held at the Hotel McAlpin on the evening of December 28th at 6:30 o'clock. To this dinner have been invited men and women who have made outstanding contribution to nature literature, nature education, nature music and nature painting. A distinguished grand opera singer and voice teacher will sing, and a widely known Japanese poet will chant some of his nature poems in his native language. Mr. William Finley, lecturer and photographer of wild life, will lecture on "Kindred of the Wild."

The president of the society will give the address of welcome on the afternoon of December 27. Liberty Hyde Bailey and Anna Botsford Comstock will speak and messages from some of the pioneer workers in the field of nature education will be read.

At the meeting on December 27-31, at the American Museum of Natural History, there will be a discussion of science teaching in junior and senior high schools and present-day trends in elementary nature teaching. The meetings will be summarized by persons who will be asked to report the following mornings. The contributions made to nature education by various organizations, such as Museums, Botanic Gardens, Zoological Gardens, Children's Laboratories, School Nature

Leagues, etc., will be discussed on the morning of December 31.

BERTHA CHAPMAN CADY,  
*President*

AMERICAN MUSEUM  
OF NATURAL HISTORY,  
NEW YORK

#### THE NEW YORK MEETING OF THE AMERICAN ASSOCIATION

SCIENCE for November 30 was a special issue containing the full preliminary announcement of the meeting of the American Association for the Advancement of Science and the associated scientific societies, to be held in New York City from December 27 to January 2. It may be well to summarize in the issue of SCIENCE that will reach members shortly before the meeting some announcements that it may be desirable to have in mind.

This will be the eighty-fifth meeting of the American Association and the fifth New York meeting. It will be the fourth of the larger convocation week meetings held successively at intervals of four years in Washington, New York and Chicago.

The meeting is under the presidency of Professor Henry Fairfield Osborn, president of the American Museum of Natural History. The retiring president is A. A. Noyes, of the California Institute of Technology. The chairman of the local committee is Professor George B. Pegram, the secretary is Professor Sam Trelease, the honorary chairman is Professor M. I. Pupin, all of Columbia University. The honorary reception committee includes representatives of sixty scientific institutions and societies of New York City.

The main registration headquarters will be in University Hall, Columbia University. Branch registration offices will be maintained at the American Museum of Natural History, the Metropolitan Museum of Art, the United Engineering Societies Building and the American Geographical Society Building.

Railway rates at one fare and a half are obtainable through certificate, which must be secured on purchasing tickets and later validated at the association headquarters.

The hotel headquarters are the Lincoln Hotel, 8th Avenue and 44th Street. The associated societies have various hotel headquarters. Reservations should be made in advance.

The scientific exhibit will be held in University Hall, Columbia University, and will be a continuous conversation throughout the meeting.

The executive committee of the council will hold its first session at the Hotel Lincoln on Thursday morning at 10 o'clock. The council of the association will hold its first and main session at the Lincoln Hotel at 2 o'clock in the afternoon. The secretaries' conference with dinner will be held at the Hotel McAlpin on Sunday evening. The academy conference will be held late on Thursday afternoon, followed by a dinner.

The opening general reception will be at the American Museum of Natural History on Thursday evening. After President Osborn has taken the chair, and brief addresses of welcome have been made by the mayor of the city and others, an address will be made by Professor Charles P. Berkey, of Columbia University, "On Recent Discoveries in the Geology of Mongolia." There will then be a general reception, the exhibition halls of the museum being open throughout the evening.

Other general sessions with receptions at the American Museum of Natural History will be held through the meeting. On Friday evening the Sigma Xi address will be given by Professor Arthur H. Compton, of the University of Chicago, on "What is Light?"; on Saturday evening an address by Professor William Morton Wheeler on "New Tendencies in Biologic Theory"; on Monday evening the address of the retiring president, Dr. A. A. Noyes, entitled, "The Story of the Elements"; on Tuesday evening an address by Dr. Harlow Shapley, of Harvard University, on "Galaxies of Galaxies."

The trustees of the Metropolitan Museum of Art will give a reception on Sunday evening; the New York Philharmonic Symphony Society will give a complimentary concert on Sunday afternoon; on Sunday excursions are planned to the scientific institutions of the city.

Among general addresses are the sixth annual Josiah Willard Gibbs lecture on Friday afternoon by Professor G. H. Hardy, of the University of Oxford, entitled "An Introduction to the Theory of Numbers." On the same afternoon there will be a showing of the Canti films depicting the growth of cells, by Professor C. A. Kofoed, of the University of California. On Saturday afternoon an address will be given by Professor Franz Boas, of Columbia University, on "Migrations of Asiatic Races and Cultures to North America," and there will be a showing of American Museum films, and a symposium on "Salary Adequacy of Academic Families" under the Committee of One Hundred on Scientific Research. On Tuesday afternoon there will be an address by Professor H. H. Turner, of Oxford University, special representative of the British Association.

The first of the special addresses of the meeting will be on Wednesday evening, the presidential address of Professor Bailey Willis, of Stanford University, before the Geological Society of America, on "The Origin and Growth of Continents." During the week each society will hold not only special programs for its members, but in nearly all cases will also provide addresses and symposia of general interest. Many joint meetings of the sections of the association with one another and with the special societies and of the special societies with one another have been arranged.

Dinners, luncheons and smokers will be held by the special societies and by groups throughout the week.

## SCIENTIFIC NOTES AND NEWS

A MEMORIAL meeting in honor of Dr. Hideyo Noguchi was held at the Academy of Medicine, New

York City, on the afternoon of December 20. President George E. Vincent, the Rockefeller Foundation, was expected to preside. The speakers announced were: Dr. William H. Welch, the Johns Hopkins University; Dr. Theobald Smith, the Rockefeller Institute, Princeton, N. J.; the Honorable Setsuzo Sawada, Japanese Embassy, and Dr. Simon Flexner, the Rockefeller Institute.

DR. A. D. COLE, professor of physics at the Ohio State University since 1901 and chairman of the department since 1908, died on December 1 at the age of sixty-seven years.

DR. C. S. HUDSON is the recipient of the Willard Gibbs medal of the Chicago Section of the American Chemical Society for the year 1929. Dr. Hudson has been since November 1 professor of chemistry and chief of the division of chemistry of the hygienic laboratory of the U. S. Public Health Service. Previous to that time he was associated with the U. S. Geological Survey, with the Department of Agriculture and for many years with the Bureau of Standards. His fundamental work on the structure of carbohydrates is the basis of the award. The medallist is selected by a jury consisting of chemists from all parts of the United States. Previous recipients have been Svante Arrhenius, of Sweden; Madame Curie, of France, and Sir James C. Irvine, of England. The American medallists have been T. W. Richards, L. H. Baekeland, Ira Remsen, A. A. Noyes, Willis R. Whitney, E. W. Morley, W. M. Burton, W. A. Noyes, F. G. Cottrell, Julius Stieglitz, G. N. Lewis, M. Gomberg, J. J. Abel and W. D. Harkins.

DR. E. C. SULLIVAN, president of the Corning Glass Works, has been awarded the Perkin Medal for distinguished service in applied chemistry, particularly in the development of new types of glassware. The award is made by the Perkin Medal Committee composed of representatives of the American Chemical Society, the American Institute of Chemical Engineers, the Society of Chemical Industry and the American Electrochemical Society.

A WALZ prize in astronomy of the Paris Academy of Sciences has been awarded to Dr. George Van Biesbroeck, of the department of astronomy in the University of Chicago, and to Professor William H. Wright, of the Lick Observatory.

THE third award of the William Wood Gerhard Gold Medal of the Philadelphia Pathological Society was made on December 13 to Dr. F. d'Herelle, who spoke on the "Bacteriophage."

ANNOUNCEMENT of the Chilean Nitrate of Soda Research Awards for Nitrogen investigation was made at the annual banquet of the American Society of