

POPULAR PROGRAM OF THE NEW YORK MEETING OF THE AMERICAN ASSOCIATION

AN attractive week-end program has been arranged for the New York meeting of the American Association for the Advancement of Science and Associated Societies, December 27, 1928, to January 2, 1929. President Henry Fairfield Osborn, Honorary Chairman Michael I. Pupin, Chairman George Braxton Pegram and Secretary Sam F. Trelease are cooperating with the Washington office and the secretaries of sections and societies to make the week an outstanding scientific event, with Sunday, December 30, as a special feature rather than a gap in the program.

On Sunday many of the city's most delightful privileges, rarely available to New Yorkers themselves, will be hospitably open to members attending the scientific meetings of Science Week. Excursions for members interested in the several well-known scientific institutions in the environs of New York, listed below, will take place in the morning. In the afternoon the association and its associated societies will be the guests of an anonymous friend at a gift concert of the famous Philharmonic-Symphony Society to be held in either Carnegie Hall or the Metropolitan Opera House. In the evening the trustees of the Metropolitan Museum of Art, setting aside all precedent, will tender a reception in their magnificent building to the conferring scientists. This gracious act is a most rare and eagerly sought concession and completes Sunday as a gala day in the midst of a week of specialized scientific meetings, which culminate each evening in a fine address upon the broad aspects of present-day work in one of the main fields of science.

These evening addresses, extending from December 27 to January 2, and several afternoon addresses, have been carefully chosen by President Osborn to be of general interest to all scientists as well as to non-technical listeners. The speakers selected are among the best this country affords. The addresses will be delivered in the large auditorium of the American Museum of Natural History and will be followed each evening by a reception, especially to students and workers in the field covered by the address, to be held in Education Hall of the Museum and in the pertinent exhibition halls.

This special association program as arranged to date by President Osborn includes:

EVENING ADDRESSES

Thursday, December 27: Special addresses of welcome, followed by Professor CHARLES P. BERKEY, of Columbia University, on "Recent Discoveries in the Geology of Mongolia."

Friday, December 28: The seventh annual Sigma Xi lecture, Professor ARTHUR H. COMPTON, of the University of Chicago, on "What is Light?"

Saturday, December 29: Professor WILLIAM MORTON WHEELER, of Harvard University, on "New Tendencies in Biologic Theory."

Sunday, December 30: Afternoon concert by Philharmonic-Symphony Society. Evening reception at Metropolitan Museum of Art.

Monday, December 31: Retiring President Arthur A. Noyes, on the "Story of the Elements."

Tuesday, January 1: Special feature address on "Astronomy." To be announced later.

Wednesday, January 2: Popular evening address, subject to be announced later.

AFTERNOON ADDRESSES

Professor FRANZ BOAS, "Migrations of Asiatic Races and Cultures to North America."

Professor FRANK B. LEVERETT, "Glaciations of the Northern Hemisphere."

Professor BAILEY WILLIS, "Mountain Building, Metamorphic Orogenesis."

Besides these special features there will be, as usual, a number of other general sessions of the American Association and numerous joint sessions by groups of societies. A meeting of special interest is being arranged by Dr. Rodney H. True, secretary of the association's committee of One Hundred on Scientific Research. This session, including papers by several eminent men, will be devoted to a discussion of the economic status of research workers. The annual exhibition of apparatus and materials for research and teaching in science, of scientific books and periodicals, and of newly developed research methods, will be an important feature of the New York meeting. It will be open daily in the Gymnasium of Columbia University, where the very successful exhibition of the last New York meeting was held. Research workers, wishing to present exhibits or to suggest other possible exhibitors, are asked to communicate with the permanent secretary's office in Washington.

COOPERATING LOCAL INSTITUTIONS

Local institutions cooperating with the local committee in extending a welcome to the American Association, with the special representative appointed by each, are:

American Chemical Society, New York Section, *Secretary S. P. Burke*; American Geographical Society, *Director Isaiah Bowman*; Museum of the American Indian, *President George G. Heye*; American Museum of Natural History, *Director George H. Sherwood*; American Telephone and Telegraph Company, *Vice-president F. B. Jewett*; Barnard College, *Dean Virginia C. Gildersleeve*; Boyce Thompson Institute for Plant Research, *Director William Crocker*; Brooklyn Institute of Arts and Sciences, *President Frank L. Babbott*.

Department of Genetics (Cold Spring Harbor) of the Carnegie Institution of Washington, *Director Charles B. Davenport*; Casa Italiana, of Columbia University, *Professor John L. Gerig*; Chamber of Commerce of the State of New York, *Vice-president Charles T. Gwynne*; Chemical Foundation, *Adviser Charles H. Herty*; American Society of Civil Engineers, *Secretary George T. Seabury*; Columbia University, *Secretary Frank D. Fackenthal*; Cooper Union for the Advancement of Arts and Sciences, *Secretary Percy R. Pyne*; Cornell University Medical College, *Dean Walter L. Niles*; American Institute of Electrical Engineers, *Secretary F. L. Hutchinson*; Engineering Foundation, *Director Alfred D. Flinn*; Fordham University, *Dean Charles J. Deane, S.J.*; General Electric Company, *President Gerard Swope*.

Hispanic Society of America, *President Archer M. Huntington*; Horace Mann School, *Head Master Rollo G. Reynolds*; International Education Board, *President Wickliffe Rose*; International House, *Secretary Harry Edmonds*; Lincoln School, *Head Master Jesse H. Newlon*; Biological Laboratory of the Long Island Biological Association, *Director Reginald G. Harris*; Long Island College Hospital, *Dean Adam Miller*.

American Society of Mechanical Engineers, *Secretary Calvin Rice*; New York Academy of Medicine, *Director Linsly R. Williams*; Merchants Association of New York, *President Lucius R. Eastman*; Metropolitan Museum of Art, *President Robert W. De Forest*, *Secretary Henry W. Kent*; Mining and Metallurgical Engineers, *Secretary H. Foster Bain*.

New York Botanical Garden, *Director N. L. Britton*; College of the City of New York, *President Frederick Robinson*; New York Department of Health; New York Historical Society, *President John Abeel Weekes*; New York Post Graduate Medical School and Hospital, *Dean William D. Cutter*; New York Telephone Company, *Vice-president J. L. Kirkpatrick*; New York University, *Professor R. W. Renshaw*; New York Zoological Society, *Director W. Reid Blair*; Hotel Association of New York.

College of Physicians and Surgeons, *Dean William Darrach*; Postal Telegraph Cable Company, *Secretary Chester G. Burden*; Princeton University, *Professor Arthur Conklin*; Rockefeller Institute for Medical Research, *Manager Edric B. Smith*; Radio Corporation of America, *President James G. Harbord*; Russell Sage Foundation, *General Director F. M. Glenn*; New York Academy of Sciences, *Secretary Roy Waldo Miner*; Stevens Institute of Technology, *President Harvey N. Davis*; Teachers College, *Dr. Goodwin B. Watson*; University of the State of New York, *Commissioner Frank Pierrepont Graves*; Museum of the State of New York, *Dr. Charles C. Adams*; Western Union Telegraph Company, *Vice-president G. M. Yorke*; Yale University and the Peabody Museum, *Professor Richard S. Lull*.

Other invited individuals and institutions from whom acceptances are very shortly expected include: Mayor James J. Walker, of the City of New York; Hunter College, Adelphi College of Brooklyn, New

York Edison Company, Union Theological Seminary, United States Steel Corporation, Museum of the City of New York, Bellevue Hospital Medical College.

PRESS COOPERATION

The press will be exceptionally well represented at this meeting. The news service of the association, in charge of Austin H. Clark, of the U. S. National Museum, will facilitate contacts between the press representatives and the scientists and will prepare in advance press releases of material to be presented in the various sessions. All who are to take part in the programs are asked to send, as soon as possible, two copies of manuscripts and abstracts of their addresses and papers to Mr. Clark at the national office of the American Association in the Smithsonian Institution Building, Washington, D. C.

The following press organizations have signified their desire to help to extend the influence of this meeting throughout the country by their respective channels: *New York Times*, *Herald-Tribune*, *The Sun*, *Journal of Commerce*, *New York World*, *New York Staats-Zeitung*, *The Christian Science Monitor*, *The Times* (London), Associated Press, New York City News Service, New York World News Syndicate, Amalgamated Press, Science Service, *Literary Digest*, *Scientific American*, *Popular Science*.

MEETING PLACES

The meeting places of the sections and associated societies have been assigned by Chairman George B. Pegram as follows:

At the American Museum of Natural History, 77th Street and Central Park West: Receptions, general sessions, evening and afternoon addresses of general interest; Section E (Geology and Geography), Geological Society of America, Society of Economic Geology, Paleontological Society of America, Mineralogical Society of America; Section H (Anthropology), American Anthropological Association, American Folk-Lore Society; American Society of Naturalists.

At Barnard College of Columbia University, Broadway at 119th Street: Section A (Mathematics), American Mathematical Society, Mathematical Association of America.

At the Physics Laboratories of Columbia University, Broadway at 120th Street: Section B (Physics), American Physical Society, American Meteorological Society, American Astronomical Society.

At Schermerhorn and Fayerweather Halls of Columbia University, 118th Street at Amsterdam Avenue: Section I (Psychology), American Psychological Association.

At the School of Business of Columbia University, Broadway at 116th Street: Section K (Social and Economic Sciences), Metric Association.

At the School of Mines of Columbia University, Broadway at 117th Street: Section L (Historical and Philo-

logical Sciences), Linguistic Society of America, History of Science Society.

At Teachers College of Columbia University, Broadway at 120th Street: Section F (Zoological Sciences), American Society of Zoologists, Entomological Society of America, American Association of Economic Entomologists, American Society of Parasitologists, Phi Sigma Biological Research Society; Section G (Botanical Sciences), Botanical Society of America, American Phytopathological Society, American Society of Plant Physiologists, Sullivant Moss Society, American Fern Society, Ecological Society of America, American Microscopical Society, Genetics Sections of the American Society of Zoologists and the Botanical Society of America, Geneticists Interested in Agriculture, American Nature Study Society; Section O (Agriculture), American Society of Agronomy, Potato Association of America, Society of American Foresters; Section Q (Education).

At the Engineering Societies Building, 29 West 39th Street: Section M (Engineering).

At the American Geographical Society Building, 156th Street and Broadway: Association of American Geographers, National Council of Geography Teachers.

At Rockefeller Institute, 66th Street and Avenue A: Section N (Medical Sciences).

Further information regarding these reservations can be obtained from Chairman George B. Pegram, at Columbia University.

HOTELS

The hotels of New York City have been thoroughly canvassed and very favorable rates secured. These have been communicated to the secretaries of the societies and sections for the selection of headquarters hotels. A list of these, together with prices at about one hundred hotels, will be published in *SCIENCE* in the near future. Members are urged to make their reservations direct and an early choice of hotels is recommended, as the local committee expects the eighty-fifth meeting of the American Association for the Advancement of Science and its Associated Societies to be the largest in the history of the organization.

HELEN ANN WARREN,

*Assistant Secretary to New York
Committee on Arrangements*

AMERICAN MUSEUM OF NATURAL
HISTORY

SCIENTIFIC EVENTS

THE NEW ASTRONOMICAL OBSERVATORY AT STOCKHOLM

STOCKHOLM is to have a new astronomical observatory, to be located at Saltsjobaden, a garden city about 10 miles outside the capital, according to a report from the consul general at Stockholm, John Ball

Osborne, made public August 1 by the U. S. Department of Commerce. The building will be started as soon as possible, and it is expected that the observatory will be ready for use in two or three years.

The equipment will include a large refracting telescope for parallax determinations, a large new reflecting telescope, about one meter in diameter and intended for spectrographic observations, astrographs for photometric examinations, and a new meridian circle.

The project has been made possible by the Stockholm municipal authorities offering to purchase the present observatory in the city for the sum of 900,000 crowns (about \$421,000) and through a donation of 1,000,000 crowns (about \$468,000) from "Knut and Alice Wallenger's Foundation." This foundation was founded in December, 1917, for the purpose of promoting science, etc., and large donations have been made for the establishment of various institutions.

The present observatory in Stockholm, built on a hill in the northern part of the city, was erected during the years 1748 to 1753. However, it is now too small and cramped to serve its purpose, the rapid growth of the city has made the location unsuitable, and the equipment is considered too out-of-date to comply with modern requirements.

THE INTERNATIONAL FUEL CONFERENCE

SEVEN of the ten official delegates who will represent the United States at the Fuel Conference to be held in London from September 24 to October 6, under the auspices of the World Power Conference, have been chosen, according to the *Electrical World*, as follows: Dr. Gustav Egloff, petroleum technologist, Universal Oil Products Company, Chicago, Ill.; H. W. Brooks, consulting engineer, New York City, representing the American Society of Mechanical Engineers and the International Railway Fuel Association; O. P. Hood, chief of the technological branch, U. S. Bureau of Mines, Washington, D. C., representing the American Society of Mechanical Engineers; Martin Frisch, manager of field engineering, Combustion Engineering Corporation, New York City; G. A. Orrok, consulting engineer, New York City, representing the American Society of Mechanical Engineers; David B. Rushmore, formerly consulting engineer, General Electric Company, New York City, member of the executive committee of the American committee, and O. C. Merrill, general chairman of the American committee of the World Power Conference, ex-secretary of the Federal Power Commission.

Among the papers to be presented by Americans are the following, classified by associations represented: