

dedication of the park. To date title to 410,000 acres within the prescribed boundary is in the name of the United States, of which North Carolina purchased and gave title to approximately 184,752 acres, and Tennessee 165,921 acres. Also 59,394 acres were purchased with emergency funds authorized by executive order, at a cost of about one and a half million dollars, leaving the approximately 26,000 acres in Tennessee, the purchase of which now is possible.

FIELD WORK OF THE PHILADELPHIA ACADEMY OF NATURAL SCIENCES

EIGHTEEN expeditions and field projects have been carried on for the Philadelphia Academy of Natural Sciences during 1938, which include the following:

Jacques Francine, of Philadelphia, lived four months during the late winter and spring with a party of Swampy Cree Indians in the inaccessible wilderness of the Labrador Peninsula collecting mammals. He and Paul Millard, a French trapper, were flown by airplane some five hundred miles north of Quebec in the middle of last March. Arriving at the Crees' encampment, they shared with them the hardships of short rations and 40 below zero blizzards until the spring thaws made it possible for the group to migrate by canoe down the unmapped Kowashamiska River, about the size of the Connecticut River, south to the Hudson's Bay Post where the Indian furs were traded.

In Mexico, R. R. M. Carpenter, trustee of the academy, collected birds and mammals during March with Harold T. Green of the staff, and H. Radelyffe Roberts is collecting grasshoppers in the highlands north of Mexico City under the auspices of the academy and of the American Philosophical Society.

In the West Indies James Bond continued his survey of bird life and distribution, and at Madagascar, off the coast of Africa, Charles Lamberton is making a collection of insects.

Dr. Edgar B. Howard is carrying on his field researches for early man in North America, both in Florida and at Nebraska. He is accompanied by Malcolm Lloyd and Edward Page, Jr. Dr. Francis W. Pennell, assisted by a grant of the American Philosophical Society, is gathering botanical material in Utah and Colorado; and in Florida John Cadbury made a collection of insects during the month of March.

From Dutch New Guinea, one of the last frontiers of undisturbed wild life, Dillon Ripley returned with a large collection of zoological material, including birds, shells, plants and fish which he collected while a member of the Denison-Crockett Expedition to the southern Pacific.

The R. M. de Schauensee Zoological Survey of Siam is continuing its fourth year of research and the collecting of fish, birds and mammals, and Charles Prim-

rose is doing similar work in India. An expedition sponsored by the academy and the Peabody Museum of Harvard College is seeking traces of early man in northern India, Java and the Philippines. During the past six months George Vanderbilt has continued making collections for the fish department, while he has been at Hawaii and the adjacent islands. In South America, M. A. Carriker, Jr., and Gordon Howes continued their study of bird migrations and distribution in Bolivia, and to the north in Columbia, Kiell von Sneider is collecting birds.

THE FOURTH INTERNATIONAL CONGRESS OF COMPARATIVE PATHOLOGY

THE fourth International Congress of Comparative Pathology will meet in Rome, from May 15 to 20, 1939, under the official auspices of the Italian Government, with headquarters at the National Council for Researches, Piazzale delle Scienze.

Professor Pietro Rondoni, member of the Italian Academy and director of the Cancer Institute and of the Institute of General Pathology of the University of Milan, is president of the congress, and Professor Vittorio Zavagli, director of the Experimental Station for Animal Prophylactics, Rome, is secretary. The vice-presidents are: Senior Professor Nicola Pende, director of the Institute of Pathology and Medical Methodology of the Royal University, Rome; Professor Alessandro Lanfranchi, director of the Institute of Pathology and Veterinary Medical Clinic of the Royal University of Bologna; Professor Lionello Petri, director of the Institute of Phytopathology, Ministry of Agriculture, Rome, and Dr. Ugo Frasccherelli, general secretary of the National Council for Researches, Rome, is the general secretary.

All meetings will be held at the Royal University and at the Institute for Public Health. The official languages will be Italian, English, French, German and Spanish.

The congress, which is of a purely scientific nature, has as its object the comparative study of pathology in human beings, animals and plants, bearing particularly upon diseases common to several groups of organisms and upon general organic reactions, viewing all biological as well as economic and social correlations. It will meet in three sections: Human Medicine, Veterinary Medicine and Phytopathology. There will be reports on ultra virus diseases, heredity in pathology, the function of the associated antigenes and regressive processes in plants.

In order to render more complete and more interesting the study of the various problems and to bring about closer mutual relations among the students of related sciences, the main subjects which are on the agenda will be reported on and discussed before an assembly of all the sections.

The papers sent to the various sections must be related to the main subjects and be as concise as possible. A summary of about one hundred words must reach the secretariat not later than March 31, 1939. The organizing committee will make a final decision in regard to the acceptance of papers. It is provided that it may accept papers bearing upon other subjects, if they are of particular importance and originality.

THE INTERNATIONAL GEOLOGICAL CONGRESS

THE eighteenth session of the International Geological Congress will be held in London from July 31 to August 8, 1940.

At a special meeting recently called by the Geological Society of London and attended by representatives of kindred societies, public bodies and personal donors to the congress funds, it was decided to entrust the preparation and organization of the congress to a general organizing committee. It was also decided to vest the executive authority of the general organizing committee in an executive committee and to recommend to the bureau of the congress that the officers of the general organizing and executive committees be the officers of the congress. These committees were unanimously elected. It was further agreed that the power to add to the membership of the general organizing committee and the executive committee be vested in the council of the Geological Society of London.

Officers of the general organizing committee are:

Honorary President

Sir William Bragg, president of the Royal Society.

Honorary Members

The Right Honorable The Lord President of His Majesty's Most Honorable Privy Council.
 The Lord Lieutenant of the County of London.
 The Right Honorable The Lord Mayor of London.
 The Chairman of the London County Council.
 The Chancellor of the University of Cambridge.
 The Chancellor of the University of London.
 The Chancellor of the University of Oxford.
 The Chancellor of the University of St. Andrews.
 The President of the Royal Society.
 The President of the Royal Society of Edinburgh.
 The Director-General of the Ordnance Survey.
 The Hydrographer of the Navy.
 The Director of the British Museum (Natural History).
 The Director of the Royal Botanical Gardens, Kew.
 The Right Honorable Viscount Bearsted, chairman of the Shell Transport and Trading Co.
 The Right Honorable Lord Cadman of Silverdale, chairman of the Anglo-Iranian Oil Co.
 Sir John S. Flett, formerly director of the Geological Survey of Great Britain.
 Dr. Alfred Harker, St. John's College, Cambridge.

Sir Thomas Holland, principal and vice-chancellor of the University of Edinburgh.

Sir Albert Seward, South Kensington.

R. I. Watson, Esq., director of the Burmah Oil Co.

Professor W. W. Watts, emeritus professor of geology in the Imperial College of Science and Technology.

Sir Arthur Smith Woodward, Haywards Heath, Sussex.

Officers

Vice-presidents: the president of the Geological Society of London and the director of the Geological Survey of Great Britain.

General Secretaries: Dr. W. F. P. McLintock, deputy director of the Geological Survey of Great Britain, and Professor W. B. R. King, University College, London.

Treasurer: F. N. Ashcroft, London.

No professional title is required from those registering as members of the congress. Nevertheless, the excursions organized before and after the session will be more especially reserved for the members who are geologists, geographers and mining engineers, and for others who devote themselves to the study or practice of some branch of geology.

Proposed subjects for discussion are:

Magnetic Differentiation.
 Metasomatic Processes in Metamorphism.
 Caledonids in Northwest Europe.
 Rhythm in Sedimentation.
 The Geology of Iron-Ore Deposits.
 The Geology of Coal Seams.
 The Geology of Petroleum.
 The Geology of Sea and Ocean Floors.
 The Stratigraphical Limits of the Ordovician System.
 The Pliocene-Pleistocene Boundary.
 The Distribution of Early Vertebrates.
 Faunal Facies and Zonal Correlation.
 Earth Movements and Evolution.
 The Geological Results of Applied Geophysics.

An elaborate program of excursions to be taken before, during and after the congress has been arranged. Requests for further information should be addressed to the General Secretaries, International Geological Congress, Geological Survey and Museum, Exhibition Road, South Kensington, London, S.W. 7. The address for foreign telegrams and cables is Incegeol, London.

SYMPOSIA AT THE MILWAUKEE MEETING OF THE AMERICAN CHEMICAL SOCIETY

SYMPOSIA at the meeting of the American Chemical Society, meeting in Milwaukee from September 5 to 9, are reported in *Industrial and Engineering Chemistry*.

The Division of Agricultural and Food Chemistry has arranged a symposium on the Industrial Utilization of Agricultural Products, in which the Division of Biological Chemistry and possibly the Division of Industrial and Engineering Chemistry will co-