

contributions to the *Atlantic Monthly* and others of our literary journals, he exerted a potent influence upon the evolution of American scientific life.

When about 1930 he found himself stricken with the incurable malady known as Parkinson's disease, the quiet fortitude with which, with unimpaired mind but failing body, he faced this sentence won the admiration

of all who knew him intimately. On August 8, in the sanitarium at Hartford, Connecticut, four months before he had reached his threescore years and ten, Vernon Lyman Kellogg left the scenes in which he had played an active and a worthy part in a momentous period of American life.

ROBERT A. MILLIKAN

## SCIENTIFIC EVENTS

### EXPEDITIONS OF THE ACADEMY OF NATURAL SCIENCES OF PHILADELPHIA

THE Academy of Natural Sciences of Philadelphia has nineteen expeditions in the field gathering new material for study and for museum display. One expedition, led by Dr. Edgar B. Howard, acting curator of the department of geology and paleontology of the academy, has unearthed a small and perfect stone point that is presumably the work of Folsom Man, near Portales, New Mexico. Near the locality in which this expedition is working, James A. G. Rehn, his son, John W. H. Rehn, and Vernon S. L. Pate, of Cornell University, are collecting grasshoppers, wasps, mantids and earwigs.

Dr. Francis W. Pennell, curator of the department of botany, is collecting plants along the portion of the trail made by the Lewis and Clark expedition in the Bitterroot Mountains between Idaho and Montana. Dr. Walter M. Benner, associate in the botanical department, is making a general survey of plant life south of Dr. Pennell's work in Colorado, Nevada, Utah and California. M. A. Carriker, Jr., of the academy, and Gordon Howes are continuing their three-year study of the migration and distribution of the birds of Bolivia.

There are four separate expeditions of field workers gathering a representative collection of fish from the West Indies, the eastern portion of the United States and the Pacific. Laurence L. Reeve, of Haverford, Pa., is working on the Island of Mona, off Puerto Rico, and Henry W. Fowler, curator of the department of fishes, is gathering further material in Pennsylvania, Virginia and New Jersey for his forthcoming publication on the fishes of northeastern North America.

As reported in *SCIENCE* for August 13 the George Vanderbilt expedition brought back from the Southern Pacific extensive collections of fish, birds and plants. Frederick Crockett, of Boston, who is leading an expedition to Dutch New Guinea, collected on islands along the route of the Vanderbilt expedition during the late spring and early summer. Four expeditions are concentrated on the study and collection of mammals in Panama, Mexico, the West and the Yukon Territory. Shells and invertebrates are the subject of

two field trips; Dr. Henry Pilsbry, curator of the department of mollusks, worked in Florida during part of the winter months, and in the West Indies, a joint project of the Museum of Comparative Zoology in Cambridge and the academy is making a study of land shells.

Other members of the staff who are engaged in collecting include Samuel Gordon, associate curator of minerals, who has gathered specimens from Vermont; John W. Cadbury, who is making collections of insects in the New Jersey pine barrens, and James Bond, of the department of birds, who completed work on the study of West Indian birds during his thirteenth trip this past winter. Collections of fishes and birds have been received at the academy from collectors stationed in Siam.

### THE HOLDEN EXPEDITION OF THE AMERICAN MUSEUM OF NATURAL HISTORY

AN expedition led by Dr. William Ball Holden, staff surgeon of the American Museum of Natural History, left New York on August 21 to carry on scientific exploration in the Amazonian jungles of South America. The expedition will maintain contact with the outside world from the interior of British Guiana and Brazil by means of direct linkage with the National Broadcasting Company, and will attempt to chart its course through the jungle by means of special radio equipment.

In addition to Dr. Holden, the members of the party will include Dr. A. C. Smith, associate curator of the New York Botanical Garden; Robert Snedigar, of the department of herpetology of the American Museum of Natural History; William G. Hassler, official photographer; Neil MacMillan, field assistant, and Orison W. Hungerford, radio engineer.

The main object of the expedition, which is expected to take about six months and to remain in the jungle for about three months, will be to carry out an intensive study of the diseases and drugs of the Indian tribes which live along the northern tributaries of the Amazon River. At the same time the other members of the party will collect reptiles, amphibians, small mammals and insects as well as botanical specimens. The section to be explored is the little known Sierra