

chief of the Ancient Monuments Inspectorate of H.M. Office of Works. The Yorkshire Ramblers Club is arranging for small parties of members to make the descent of Gaping Ghyll. Arrangements will also be made for visits to the principal works and factories in and near Leeds.

### OHIO GEOLOGISTS' FIELD TRIP

THE annual field trip of the geological section of the Ohio Academy of Science was conducted by Wilbur Stout, of the Ohio Geological Survey, in the Portsmouth-Pomeroy region of southern Ohio on May 28, 29 and 30. With a registration of forty-five, the excursion was one of the most largely attended field trips in the recent years of the section's activity.

During the progress of the excursion, the party visited outcrops of the Waverly and Maxville Series of the upper Mississippian System and the Pottsville, Allegheny, Conemaugh and Monongahela Series of the Pennsylvanian, giving opportunity for both fossil collecting and stratigraphic study. The notable physiographic features of the region—the old Teays river valley, and other recently abandoned drainage systems, the upper peneplain level, and the evidence for intermediate erosion stages—were examined by members of the party. Clay pits and mines were visited at Sciotoville, Scioto Furnace, and Oak Hill; coal mines near Jackson and at Pomeroy; and salt works at Pomeroy. One of the most enjoyable features of the excursion was a starlight steamboat ride on the Ohio River at Pomeroy on the specially chartered "Champion III."

Among the institutions represented were: Antioch College, Cincinnati University, Marietta College, Miami University, Muskingum College, Ohio Geological Survey, Ohio State University, Ohio Wesleyan University, Toledo University, the East Ohio Gas Company and the Jackson Coal Company.

A. C. SWINNERTON

VICE-PRESIDENT FOR GEOLOGY,  
OHIO ACADEMY OF SCIENCE

### THE ARNOLD ARBORETUM

IN order that the Arnold Arboretum at Jamaica Plain, which contains the greatest collection of hardy trees and shrubs in the United States, may be perpetuated and enlarged, friends of the late Professor Charles Sprague Sargent are raising a fund to continue its work. The Boston committee formed to raise the Charles Sprague Sargent Memorial Fund for the endowment of the Arnold Arboretum announces that up to June 10 the sum of \$460,820 has been received toward the \$1,000,000 fund considered necessary to carry on this work.

In less than three months since Professor Sargent died on March 22 nearly half of the fund has been subscribed by those most deeply interested in the arboretum's future, principally by friends in Boston. A national committee and other local committees are now being formed throughout the country so that nature-lovers everywhere may have an opportunity of contributing to the garden, which contains more than 6,500 species and varieties of trees and shrubs.

Sargeant was Arnold professor of arboriculture at Harvard University and director of the arboretum for fifty-four years, and he planned and created it as an artist works out a picture, personally directing the planting of its trees and shrubs. Through an agreement made in 1872, the president and fellows of Harvard College became trustees of a bequest of \$100,000 left by one James Arnold, a New Bedford merchant, which it was decided should be used for the development of trees. The Harvard trustees provided as a site for the garden some 125 acres of property in West Roxbury, bequeathed to Harvard by Benjamin Bussey.

Frederick Law Olmsted, Sr., when planning a park system for Boston, suggested that the arboretum's land become part of that system. The city agreed to build roads throughout the arboretum and maintain them and to protect it with its police, and the president and fellows agreed to keep the arboretum open every day in the year from sunrise to sundown. This arrangement has given to the arboretum all the advantages of perpetual ownership of the land it occupies and has relieved it of heavy financial burdens. Additions of land have been made until the arboretum now has an area of 250 acres. Professor Sargent built up a library at the arboretum to which, it is said, no similar collection outside the British Museum can be compared. He did this largely at his own expense, and made generous financial contributions through all the years of which there is no complete record. The arboretum's average expenditure during the last five years has been \$80,000, with a tendency to rise, and its present income from endowment is not more than \$60,000.

### AWARDS FOR RESEARCH AT CORNELL UNIVERSITY

THIRTY-TWO members of the Cornell Faculty will receive awards from the Heckscher Fund to carry on scientific and scholarly research next year. This fund, established by August Heckscher, of New York, several years ago, amounts to \$50,000 annually and is devoted to research work in various fields.

A faculty committee, of which Dean R. A. Emerson of the Graduate School is chairman, has agreed upon the awards and they will be ratified by the Board of