
Caves of Pennsylvania. *Ralph W. Stone, et al.* Bulletin 15 of The National Speleological Society, Trenton 8, N. J. 1954. 143 pp. \$3.00.

This is the most complete state cave survey ever published.

The Bulletin contains the following articles: Geology of Pennsylvania Caves by Wm. E. Davies, Bone Caves by John D. Parker, Animals That Live In Caves by Charles E. Mohr, Cave Insects by S. W. Frost, History and Legend by Henry W. Shoemaker, Kooken—Pennsylvania's Toughest Cave by William Devitt III, Deluge Underground by Donald R. Griffin, Limestone Mines by R. W. Stone, Commercial Caves by R. W. Stone, and Descriptions of Pennsylvania Caves by R. W. Stone.

Several caves in which bone deposits have been found have yielded 33 new species of Pleistocene animals. The material is deposited in the United States National Museum and the Academy of Natural Sciences at Philadelphia.

Fifteen species of vertebrates and 126 species of invertebrates have been recorded from these caves. However, few of these animals are exclusive cave dwellers with any degree of specialization. Included in the volume are some excellent photographs of cave inhabitants and formations.

This report will be of great value to future workers as well as being interesting reading for the layman. It is to be hoped that Ohio may complete a similar project in the near future.

ROBERT E. WOODRUFF

British Caving. An Introduction to Speleology. *C. H. D. Cullingford*, Editor. Routledge and Kegan Paul, Ltd., London. First edition, 1953. xvi+468 pp. \$5.50.

British Caving, compiled by the Cave Research Group of Great Britain, is a comprehensive, authoritative guide to British caves, and, at the same time, an outstanding contribution to speleology. The book is divided into two parts. The first section is a scientific survey of British caves. Geology, cave physics, fauna and flora, archaeology, and paleontology are carefully treated. Cave dwelling bats and surface detection of caves receive special attention. The second part deals with the technique of caving. Methods of exploration, cave diving, photography, and surveying are discussed. The chapters on equipment and rigging are accompanied by excellent diagrams, and the entire book is well illustrated by maps and photographs. Also, the methods of the British Cave Rescue Clubs are outlined. An extensive bibliography follows each chapter. The geologist, hydrologist, and biologist will find this book a valuable reference. The explorer will regard it an important guidebook of caving technique.

PHILIP M. SMITH