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INTRODUCTION
Caves, sinkholes, disappearing streams, subterranean rivers, springs, and other related features associated with underground drainage in carbonate-rock terrains have long excited the interest of geologists and others concerned with earth science and the phenomena of nature. The landscape produced by the aggregate of these features is referred to as karst. Kentucky contains outstanding examples of karst terrain. Classic, of course, is the internationally famous Mammoth Cave region of south-central Kentucky.

Articles, maps, and reports on Kentucky caves and cave regions have contributed to the scientific literature of the world for almost two centuries. The greatest interest, however, has been generated within the last 25 years. With the completion of modern topographic maps, scale 1 inch map distance equivalent to 2000 feet on the ground, for the whole of Kentucky in 1956 and the beginning in 1960 of a project to prepare areal geologic maps at the same scale (both projects jointly funded by State and Federal governments), a great surge of scientific interest has been focused on Kentucky's karst regions for geomorphic, hydrologic, environmental, exploratory, and other geologic-related studies.

The purpose of this publication is to aid the researcher and student of earth sciences in his literature search for maps and reports pertaining to Kentucky's limestone caves and karst terrain. More than 640 references by more than 320 principal (first) authors, published between 1784 and 1977, are listed in this bibliography. However, this bibliography has not attempted to include the innumerable newspaper and magazine articles which have been written about Kentucky caves, particularly those most frequented by the visiting public. For an example of some of these articles on Mammoth Cave, the reader is referred to the bibliography by W.R. Jillson (1953). Also omitted from tabulation in this bibliography are articles appearing in Cave Research Foundation annual reports and in newsletters of chapters (grottos) of the National Speleological Society.

This volume is divided into three sections - bibliographic citations or author index, a geographic index, and a subject index. The bibliography is arranged alphabetically by principal author's name, giving date, title, and best available sources for the article or map. If an author has written more than one article, they are arranged in chronological sequence. For articles that are the result of collaboration by more than one author, the reference is listed under the name of the principal author, with other writers indicated.

All bibliographic citations included herein are not readily cataloged in both geographic and subject indexes. All are included in one or the other where it appears that the investigator will be benefited. The geographic index is primarily by county. Where several counties or portions thereof are discussed in a single report or covered by a single map, the publication may be included under a regional or subject index in addition to county headings.

Areal geologic maps provide stratigraphic information on the surface karst features and clues to the stratigraphic relationship of the subsurface features.
Detailed areal geologic quadrangle maps are published for all of Kentucky, but only those maps which contain information about specific caves or other karst features are cited in this bibliography.

Although not cited in the bibliography proper, the 7.5-minute quadrangle topographic maps mentioned above are of inestimable value to the field investigator. Through a system of contour and drainage lines, one can interpret the elevation and configuration of the karst landscape and obtain clues about the locations of caves and other karst features. A list of topographic maps containing locations of caves, many of which are not specifically identified, is appended to this report.

It is anticipated that this bibliography may have some special interest for speleologists and spelunkers.

In view of this, it should be noted that while the reference lists herein contain the names of many caves, this bibliography is not designed to catalog all Kentucky caves but rather to identify pertinent and useful literature concerning the caves and other karst features of the State. To the writers' knowledge, a complete listing of Kentucky caves has never been published.

Caves are of value to the scientist and explorer only if they are accessible. Most Kentucky caves are on private property, and the visitor should obtain permission before entering. Similarly, permission should be obtained from park rangers or superintendents before entering non-commercialized caves in State and National Parks.

Cave environments are sensitive to man's intrusions. Because the natural contents of a cave are essential for its scientific interpretation and recreational value, care should be exercised to avoid breaking formations, defacing cave walls, disturbing cave life, and otherwise damaging its features.

A word of caution is added for the inexperienced adventurer. Cave exploration, like all exploration, requires care and good judgement. Potentially hazardous conditions such as loose rocks, precipitous cliffs, and periodic inundations by flood waters are found in many wild caves. Novice explorers should seek experienced help and counsel.

Many people assisted the writers in the compilation of this bibliography. Special thanks are due to the librarians at the Lexington Public Library and the University of Kentucky libraries, particularly Mrs. Vivian S. Hall, Geology Library. Thanks also go to Dr. John V. Thrailkill, Department of Geology, University of Kentucky; Dr. James F. Quinlan, Uplands Research Laboratory, National Park Service, Mammoth Cave, Kentucky; Mr. Roger W. Brucker, Cave Research Foundation, Yellow Springs, Ohio; Dr. Stanley D. Sides, Cape Girardeau, Missouri; Mr. Harold Meloy, Shelbyville, Indiana; Mr. Gary A. O'Dell, Lexington, Kentucky; and Mr. and Mrs. Charles S. Bishop, Frankfort, Kentucky.
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APPENDIX

List of 7.5-minute, 1:24,000-scale topographic maps showing entrances to limestone caves in Kentucky

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