

洞窟學에 관한 文獻

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우리나라에는 학술과 관광자원으로 이용할 수 있는 유명한 석회동굴이 영월, 단양, 삼척, 울진, 제주도 등을 비롯하여 많이 산재하고 있으며, 동굴에 대한 탐험과 연구자는 최근에 들어 한국동굴학회를 중심으로 활발하게 진행되고 있는 실정이다. 이웃의 일본과는 일본동굴학회 및 일본 Caving 협회와 함께 동굴에 대한 자료교환과 상호간 연구자들의 교환방문에 의하여 긴밀하게 연구가 진행되고 있다.

일본에서는 야마구치현(山口縣)의 아끼요시다이(秋吉台)에 있는 동굴에 박물관이 설립되어 지질, 생물, 농학분야에 유명한 학자들이 상근연구자로 참여하고 있으며, 매년 연구생들이 10명씩 방문하여 연구하고 있는 실정이다. 그 밖에도 유명한 동굴이 발견된 장소는 국립공원으로 지정되어 보호를 받고 있는 것은 우리나라에서도 반드시 고려해볼 만한 문제라고 생각한다.

미국에서도 National Speological Society (미국동굴학회)를 중심으로 많은 동굴탐험과 연구가 진행되었으며 구주지역도 마찬가지이다. 여기서는 미국에서 발간된 단행본과 중요한 미국동굴학회지 내용을 소개하고자 한다. 더 상세한 내용은 National Speological Society, Cave Ave., Huntsville, Al 35810, U. S. A. 로 연락하면 알 수 있다.

미국동굴학회에서 발행된 학술지의 내용을 간추리면 다음과 같다.

□VOLUME 4(Reprint)-September 1942

Special Articles and Trips-Cave Fauna-President's Comments-Log of the Society-Commercial Caves.

□VOLUME 5(Reprint)-October 1943

Caves in World History-Gem Caves-Cave Fauna-Society Library Catalog.

□VOLUME 6(Reprint)-July 1944

Glossary of Speleology-The Netherland of Night Adventures at Diamond Cave, Ky. Paleontological Exploration of Caves.

□VOLUME 9-September 1947

Cave Photography-Britain's Biggest Cave-Cave Diving-Ancient Cave Lore-Caves, Maps, and Mapping-Applications of Geophysics to Speleology-Religion in Caves Letters-Editorials.

□VOLUME 12-November 1950

Ozark Cave Animals-West Virginia's Schoolhouse Cave, Survey-Ice Caves- Bats-Cave Mineralogy-Cave Mapping.

□VOLUME 13-December 1951

Techniques for Dating Cave Deposits-Caves and Rockshelters in SW Asia-California Cave Salamanders-Mechanics of Cave Breakdown-Southwestern Caves as Books of History-Rigging Inspection.

□VOLUME 16-December 1954

Speleo-Barometer-U. S. Ice Caves-USSR Caves-Speleogenesis of Indiana Caverns Development of Mid Tennessee Caves - New River Mineralogy-Origin of Sea Ca-

- ves-Pleistocene Ecology of Cumberland Bone Cave.
- VOLUME 17-December 1955
Caverns of St. Thomas-Salt peter Mining Tools Magnetic Cave, the Wonderful Hoax Caves and Related Features of Michigan-Proposed Classification of Physical Features Found in Caves-Recent Explorations in Floyd Collins' Crystal Cave-Cave Radio.
- VOLUME 18-December 1956
Muota Valley Hell Hole-New Caving Equipment and Techniques-The Leather Man and His Caves-Blind Fishes-Prospecting for Caves-Discovery at Fontana Chistaina-Eagle Lake Caves-Mid 17th Century Cave Descriptions-Principles of Effective Expedition Organization-After Glow of Calcite.
- VOLUME 19-October 1957
Flint Ridge, Ky.-Earth Fills and Clay Minerals, Carlsbad Caverns-Rillenstein in Greenland-Caverns of West Virginia.
- VOLUME 20-November 1958
Big Room Cave, Tenn. Statistical Theory of Cave Entrance Evolution-Brooding Slimy Salamanders-Cave Gypsum-Speleology in Czechoslovakia-Reservoir Theory of Spring Flow-Decamired Filters Caves of Kwangsi, Guatemala, Hawaii-Index Bulletins 1 to 20.
- VOLUME 21
PART 1-January 1959
Speleology in Australia-Cass Cave, W. Va.-Bear Bones, Missouri Cave-HolocrySTALLINE Speleotherms -C¹⁴ Dating of Cave Formations-Other.
- PART 11-July 1959
Speleology in Japan-Lava Beds National Monume n-Water Tracing Methods-North American Cave Earthworms.
- VOLUME 22-
PART 1-January 1960-
Origin of Limestone Caves-Introduction in Folded Limestone-Bermuda Caves-Changing Concepts of Speleogenesis-Breathing Cave, Va.-Appalachian Caves-Fulford Cave, Col.-Stochastic Models of Cavern Development-Geometrical Basis for Cave Interpretion.
- PART 11-July 1960
Speleology in Hungary-Meteorology of Martens Cave-Ver ical Shafts-Pseudokarst Northern Greenland Caves-Detection of Airflow Between Caves-Free Diving, Prospecting and Collecting.
- VOLUME 23
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Barton Hill Project-Study of Physical Features of Limestone Terrain, Scholarie, New York.
- PART 11-July 1961
Speleology in New Zealand-Hunter's Cave, Iowa-Stream Piracy Theory of Cave Formation-Eye and Pigment Regression of Cave Salamanders-Glacier Caves, Svartisen, Norway.
- VOLUME 25
PART 1-January 1963
Microbiology of Underground Environments-Fossilization of Bat Skeletons-Virginia Troglotic Fauna-Caves as Fall out Shelters.
- PART 11-July 1963
Dexelopment of Karst Features- Canga Caves Minas Gerais, Brazil-Monto Hoyo Caves Congo Republic-Bear Cave, A Tufa Cave, Michigan-Newsome Sinks Area, Alabama.
- VOLUME 26
No. 3-July 1964
Fissure Caves in Missouri-Cave Migration of Certain Insects-Lobrathium Subseriatum Le Conte, Cave Beetles in California Caves.
- No. 4-October 1964
New Paris No. 4: A Pleistocene Cave Deposit Bedford County, Pa.