

GRAND CANYON UNDERGROUND



The Bibliographical Record of Caves in
Grand Canyon National Park,
Grand Canyon–Parashant National Monument,
and Vicinity (Arizona)

SECOND EDITION

compiled by Earle E. Spamer

You are part way down the Grand View Trail on the south side of the Cañon. This and the adjoining caves are in the shelf forming the upper terrace. You are seeing the beautiful bluish-white limestone formations by flashlight, for this is some distance from the entrance; you might penetrate for an eighth of a mile into the heart of the rock forming the river bank, discovering grotesque or beautiful formations of this sort. In some parts of the caverns there are wonderful stalactites.

The opening just ahead is perhaps eight or nine feet high.

The whole bulk of these foliage-like masses of stone has been gradually formed by the dripping of water heavily charged with lime and the evaporation of the water. It must have taken a long time to accumulate such a bulk of solid matter and its formation, too, is a thing of the past, for there is no water in the cave now. All is dry. The work is done.

Limestones just like that forming the walls of this cave were among the first strata to be worn away by the river that carved the Cañon; many of the most fantastically shaped "buttes" that make the huge chasm so inconceivably picturesque are of this same material. The buttes are merely projecting knobs or lumps where for some reason the rock resisted the wear and tear and held its own against the ancient river currents.

(See J. W. Powell, "Canyons of the Colorado"; F. S. Dellenbaugh, "Romance of the Colorado River"; Geo. Wharton James, "In and Around the Grand Canyon," etc.)

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Dendritic Stalagmites in a Limestone Cave,
Grand Cañon of Arizona.

Stalagmites Dendritiques dans une Caverne de
Pierre Calcaire, Grand Cañon d'Arizona.

Вапфенförmige Tropfsteingebilde in einer Kalk-
steinhöhle, Grand Cañon von Arizona.

Estalagmitas Dendríticas en una Caverna de Pie-
dra Caliza, Gran Cañon de Arizona.

Petrificerade stalagniter i en kalkstens grufva,
Grand Cañon af Arizona.

Древоподобные сталагмиты въ пещерѣ;
Большое Ущелье въ Аризонѣ.

GRAND CANYON UNDERGROUND

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COVER

"Dendritic stalagmites in a limestone cave, Grand Cañon of Arizona." Stereocard 9 [cropped], no. 6080, in the commercially produced boxed set, *The Grand Cañon of Arizona : through the stereoscope : the Underwood patent map system combined with eighteen original stereoscopic photographs* (New York, London, Ottawa (Kansas), San Francisco, Toronto, and Bombay, Underwood and Underwood, 1904–1908). This cave is on Horseshoe Mesa.

INSIDE FRONT COVER

Text on the reverse of the stereocard. Note the multilingual photo legends.



THE GRAND CANYON.
Caves on Grand
View Trail.



GRAND CANYON UNDERGROUND

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Grand Canyon National Park,
Grand Canyon–Parashant National Monument,
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second edition

compiled by Earle E. Spamer



A Raven's Perch Digital Production

THE GRAND CANON SPECIALIZED BIBLIOGRAPHY SERIES



RAVEN'S PERCH MEDIA

Bibliographical and Historical Resources on the
Grand Canyon and Lower Colorado River Regions of the
United States and Mexico

Grand Canyon Underground

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Spamer, Earle Edward (1952–) (comp.)

Grand Canyon underground : The bibliographical record of caves in Grand Canyon National Park, Grand Canyon–Parashant National Monument, and vicinity (Arizona)

Raven's Perch Media, Philadelphia, Pennsylvania, USA

SECOND EDITION

92 p. ; Portable Document Format (PDF); electronic resource, <https://ravensperch.org>

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FRONTISPIECE • Early postcard, "**THE GRAND CANYON. Caves on the Grand View Trail.**" *Verso legend:* "Caves on the Grand View Trail. One of the four gateways to the Grand Canyon, through which an easy descent of the granite gorge may be made, is Grand View Trail. Descending two and one-half miles from the rim on this trail a copper mine in full operation can be seen, and a little farther on, the famous limestone caves. These subterranean chambers have an aggregate length of several miles and some of the halls are 200 feet long and 50 feet high." A "RaphoType" postcard produced probably in the first decade of the 1900s, by Raphael Tuck & Sons, Art Publishers to Their Majesties the King & Queen (England's King Edward VII and Queen Alexandra); printed in Holland. One of several postcards marketed as a "Grand Canyon" packet. (*Author's collection.*)

GRAND CANYON UNDERGROUND

THIS IS NOT A "GUIDE" TO GRAND CANYON CAVES; IT IS A BIBLIOGRAPHICAL AND HISTORICAL RECORD OF *PUBLISHED MATERIALS* THAT PERTAIN SPECIFICALLY OR PARTLY TO EACH NAMED CAVE. LOCATIONS ARE NOT GIVEN FOR THE CAVES DUE TO CONCERNS FOR RESOURCE MANAGEMENT AND CULTURAL SENSITIVITY, ALTHOUGH A FEW OF THEM ARE VERY WELL KNOWN EVEN IF THEY ARE NOT ACCESSIBLE BY THE GENERAL PUBLIC. CONTACT GRAND CANYON NATIONAL PARK, GRAND CANYON-PARASHANT NATIONAL MONUMENT, OR THE BUREAU OF LAND MANAGEMENT ARIZONA STRIP OFFICE AND LOCAL SOURCES FOR UP-TO-DATE INFORMATION PERTAINING TO ACCESS RESTRICTIONS, BACKCOUNTRY PERMIT REQUIREMENTS, AND TRAVEL CONDITIONS.

CONTENTS

all lines below are hyperlinks; position cursor and activate to jump ahead

Introduction	7
Key to Prefixes of the "Item Numbers" That Accompany Each Citation	9
Grand Canyon National Park	11
Bat Cave	11
Bida Cave	16
Buddha Cave	16
Cameron Cave	16
Cave of the Domes	17
Cheyava Falls Cave	18
Christmas Tree Cave	18
Crumbling Cave	18
Cylinder Cave	19
Double Bopper Cave	19
Dutton Cave	20
Falls Cave	20

GRAND CANYON UNDERGROUND

Hogwarts Cave	20
Horseshoe Mesa caves generally	20
Hummingbird Cave	23
Kappen Cave	23
Lang Cave	23
Leandras Cave	24
Luka Cave	25
Mallery Grotto	25
Marble Canyon caves generally	26
Matts Cave	26
Muav Cave	26
Next Door Cave	27
Nooner Cave	28
Rampart Cave	28
Rex Cave	37
Roaring Springs Cave	37
Sandblast Cave	38
Shinummo caves	38
Shrine Cave	39
Silent River Cave	39
Skull Cave	39
Stanton's Cave	39
Tapeats Cave	45
Thunder River Cave	45
Tse'an Bida	46
Tse'an Cho	46
Tse'an Kaetan	47
Tse'an Moria	47
Tse'an Olje	47
Tse'an Sha	48
Vulture Cave	48
White Cave	48

GRAND CANYON UNDERGROUND

Specific caves noted, but not identified in publication	49
Grand Canyon caves generally	50
Grand Canyon–Parashant National Monument and Nearby Arizona Strip Locales (including lands of the U.S. Bureau of Land Management Arizona Strip Office)	63
Antelope Cave	63
CO1, CO2, and CO3 Caves	65
Eldel Cave	65
KyPet Caverns	65
La Cueva de los Dos Mano Negros	66
Millipede Cave	66
October Gyp Cave	66
Paiute Cave	66
PARA-0802 and 0901 Caves	67
PARA-0901, -1001, -2202, -2204, -2602, -3501, -3502, -3503, -3504, -3507 Caves	67
PARA-1001 Cave	67
PARA-1401 and 1901 Caves	67
PARA-2204 and 2602 Caves	68
PARA-3501, 3502 and 3503 Caves	68
Recapture Cave	68
Rock Canyon Shelter	69
Grand Canyon–Parashant caves generally	69
Navajo Nation	
Blue Springs	75
Extralimital Locales of Interest	77
“Grand Canyon Caverns” at “Dinosaur City”	79
(Yampai Caverns, Coconino Caverns, Sipapu Caverns, Dinosaur Caverns)	
Misleading and Fictional Items	85
The “Egyptian Cave” Rumor	87

INTRODUCTION

This is a bibliographical and historical compilation that pinpoints individual publications that pertain to, in whole or in part, these caves. There are numerous more caves in the region, of course, but these are the ones that have been mentioned in publicly available publications. The federally administered areas in which they are found are the Grand Canyon National Park and Grand Canyon–Parashant National Monument. Additionally, nearby Arizona Strip locales and a few extralimital areas of regional interest are noted. Only one site mentioned herein seems to be on lands of Native American jurisdictions.¹ Despite several caves being very well known, in order to adhere to issues of resource management and cultural sensitivities, no geographical locations are identified in this volume. Most of the cave names are informal, their names taken from the publications.

It is not the purpose of the present bibliography to serve as a universal index; numerous other caves are surely known and may have been mentioned in publications that I have not found. Rather, this is a resource manager’s and historian’s guide to publications that over the years have “homed in” on these caves. Some are news reports, others are “caving” accounts by individual visitors, and still others are part of scientific studies or administrative resources surveys. It is important to keep in mind that many visitations were made before rigorous permitting was instituted by the National Park Service and other agencies. More citations are grouped informationally: these list publications that mention caves of this region but do not note individual names; others are pertinent in very important historical or scientific contexts, and the caves that contributed to these reports will be well known intuitively. Again, this is a resource and historical overview, which tracks specific publications that have directed their attentions to particular caves.

The citations in this resource guide have been culled from the exhaustive bibliography I compile, *The Grand Canon: A Worldwide Bibliography of the Grand Canyon and Lower Colorado River Regions of the United States and Mexico: Volume 1, Introduction and Bibliography* (Parts A and B, respectively) (<https://ravensperch.org>). To retain their

¹ Corkscrew Cave; see the section, “Extralimital Locales.”

GRAND CANYON UNDERGROUND

thematic context, I have kept the unique “item numbers” that are applied to each citation, which indicate the subject area of the bibliography that they were taken from, though by themselves they are not important to the use of the present volume. A key to the prefixes of those numbers appears at the end of this Introduction.

Only two caves in this region are freely open to visitation. The Cave of the Domes on Horseshoe Mesa, along the the Grandview Trail in Grand Canyon is accessible but not maintained as a tourist destination and it is the traveler’s responsibility to assure their safety and, if more than a day is dedicated to the trip, to adhere to any camping permits for Horseshoe Mesa are obtained. The nearby abandoned mines of Horseshoe Mesa are not open to visitation. The commercial “Grand Canyon Caverns” near Peach Springs, along Route 66, is a well known “tourist cave.” Access to all other caves within federal lands requires authorization for visitation and permits for backcountry use; and some caves are gated to prevent unauthorized entry, protecting cultural, ecological, and scientific resources within them. Perhaps the best known among these is historic Stanton’s Cave, in Marble Canyon, which thousands of Colorado River travelers pass by each year; its opening can be visited. Just as famous, perhaps, is Rampart Cave in far western Grand Canyon, also along the Colorado but not as obviously visible; and in any case it is much less physically accessible today due to changes effected by the lowering Lake Mead surface in the face of climatic changes in the Colorado River basin.

GRAND CANYON UNDERGROUND

KEY TO PREFIXES OF THE “ITEM NUMBERS” THAT ACCOMPANY EACH CITATION

The citations in this volume have been extracted from the comprehensive bibliography titled, *The Grand Canon: A Worldwide Bibliography of the Grand Canyon and Lower Colorado River Regions of the United States and Mexico: Volume 1, Part B: Bibliography*, by Earle E. Spamer (all volumes and more are accessible through Raven’s Perch Media, <https://ravensperch.org>). *The Grand Canon’s* bibliography is divided into 32 thematic parts, wherein every citation has a unique serial number with a prefix that indicates which of the 32 parts it belongs to (for example, 2.6132); see introductory material in *The Grand Canon* for more information. The parts that are represented by citations in *Grand Canyon Underground* are:

2. General Publications
 3. *The New York Times*
 4. Memorials
 6. Publications for and By Youth and Young Adults
 7. Fiction
 9. Travel and Trail Guides
 13. Administrative and Management Issue
 14. Sociology, Recreation, Education, Economics, and Related Subjects
 15. Health and Safety
 16. Archaeology and Cultural Resources
 17. Native Americans
 18. Physical Environment
 19. Biology and Ecology
 21. Geology and Paleontology
 26. Audio-Visual Works
 27. Audio Works and Musical Scores
 28. Separate Imagery
 30. Book Reviews and Similar Notices
 32. Marginalia
-

GRAND CANYON UNDERGROUND

GRAND CANYON NATIONAL PARK

BAT CAVE

Anonymous

- 1948 2.17311 Bat cave discovered. *In*: Here and There on the Desert [SECTION]. *Desert Magazine*, 12(2) (December): 35. [Murl Emery reports discovery of Bat Cave, Grand Canyon. Item from *Tucson Citizen*.]
- 1957 3.194 Helicopter builds an aerial span to guano cave in Grand Canyon. Big vacuum cleaner to be used to mine deposit left by giant, meat-eating bat millions of years ago. *The New York Times* (March 27): 43. [Bat Cave.]
- 1957 2.13056 Copter lays aerial-tram cable. *In*: Picture News [SECTION]. *Popular Science Monthly*, 170(6) (June): 97. [Bat Cave.]
- 1957 2.251 'Copter in the canyon; tramway from South Rim to Bat Cave of Grand Canyon will transport bat guano. *Santa Fe Magazine*, 50(8) (July): 28-29.
- 1957 21.6012 Treasure of Granite Gorge. *Time*, 70(13) (September 23): 89. [Bat Cave.]
- 1957 2.30291 Grand Canyon caves reveal vast bat guano deposits. *Pacific Coast Nurseryman and Garden Supply Dealer*, (November):. [Specifically about Bat Cave.]
- 1957 2.253 A bounty from ancient bats. *Life*, 43(20) (November 11): 103-104, 106. [Bat Cave.]
- 1958 2.258 It comes from here . . . and ends up here. *Good Packaging*, (November): 14-15. [Bat guano from Bat Cave. Ellipsis is part of title.]
- 1968 2.29589 Fabulous folks. *Meadview Monitor* (Meadview, Arizona), (April/June):. [Includes Jimmie Jordan and his work at the Bat Cave guano operation.]
- 1988 2.363 [Undocumented quotation about Bat Cave tram.] *Hibernacle News*, 1988: 28.
- 1996 13.278 County threatens NPS with arrest at Grand Canyon. *National Parks*, 70(1/2) (January/February): 22. [Mohave County; regarding the proposed removal of towers at Bat Cave.]
- 2018 2.29590 Fabulous folks. *In*: Blast From the Past [SECTION]. *Meadview Monitor* (Meadview, Arizona), (March/April): 9. [Includes Jimmie Jordan and his work at the Bat Cave guano operation.] [Reprinted from the April/June 1968 issue.]

Austin, Noah

- 2023 21.8452 The Grand Canyon guano mine. Most adventures associated with the Grand Canyon involve river runners and rock climbers, but at least one involved “man-sized carnivorous bats”—and it’s not what you think. *In*: The Journal [SECTION]. *Arizona*

GRAND CANYON UNDERGROUND

Grand Canyon National Park

Highways, 99(3) (March): 6. [Bat Cave.] [See also letter from Ricardo Small, 99(5) (May): 4.]

Beatty, W. B.

1962 21.189 Geology and mining operations in U.S. Guano cave, Mohave County, Arizona [ABSTRACT]. *Cave Notes*, 4: 40-41.

Bersy, Éric

2010 2.23914 Roadtrip électrique. *L'Écho* (Syndicat Professionnel des Ingénieurs d'Hydro-Québec, Montréal), 46(6) (October/November): 31. [Item comprises three photographs with legends, from views taken during a trip in the western U.S. Includes: "Pylône du Grand Canyon, près de la Havasupai [sic]. Photo prise d'un hélicoptère.", which shows the Bat Cave tram tower positioned below the South Rim on the Hualapai reservation, doubly misidentified as an electrical transmission tower on the Havasupai Reservation.] [In French.]

Brown, Jackie

2016 2.25382 Blast from the past; Quatermaster Lookout—Bat Mine. *Meadview Monitor*, (September/October): 6-8. [From May 1967 *Meadview Monitor*. Report of an "Auto Caravan trip taken to the Bat Cave Tower and Quartermaster Lookout points". Bat Cave.]

Castner, Shawn V.; Snow, Tim K.; AND Noel, Debra C.

1994 19.4145 Bat inventory and monitoring in Arizona, 1992-1994. *Arizona Game and Fish Department, Nongame and Endangered Wildlife Program, Technical Report 54*. [Reformatted and reprinted July 2003, 34 pp.] [Within the scope of this bibliography principally pertains to lower Colorado River region but includes notes on Bat Cave.]

Columbia Pictures

1959 26.298 *Edge of eternity*. Don Siegel, director; starring Cornel Wilde and Victoria Shaw. Color motion-picture. 80:00. [Includes Grand Canyon and area locations, notably a concluding scene filmed on the Bat Cave cableway.] [NOTE: Released in foreign markets under other titles: *Der Mann aus Arizona* (Austria and West Germany), *Covil da Morte* (Brazil), *Afgrundens Hemmelighed* (Denmark), *Kuulu Ikuisuuteen* (Finland), *Le Secret du Grand Canyon* (France), *Κάπου Εδώ Γυρίζει ο Δολοφόνος* [Καρου Εδο Gyrizei o Dolofonos] and *Ως Την Αιωνιότητα* [Os Tin Aioniotita] (Greece), *Sull'orlo dell'Abisso* (Italy), and *Al Borde de la Eternidad* (Spain).]

Crumbo, Kim

1994 13.546 Bat Cave restoration project proposed. *Boatman's Quarterly Review*, 8(1): 28. [Proposed demolition of Bat Cave tower.]

DeWald, Bud

1958 2.2357 Canyon cable to riches. Two-mile tram hauls ancient guano from Grand Canyon cave. *Arizona Days and Ways* (*Arizona Republic*), (January 12):. [Bat Cave.]

GRAND CANYON UNDERGROUND

Grand Canyon National Park

Ford, Brian J.

- 2018 2.29519 Feces, from start to finish. Excrement may be repulsive, but the study of dung casts light on many ostensibly unrelated aspects of civilization, including a fascinating microscopical view of bacterial communities. *The Microscope*, 66(4): 169-180. [See p. 174, photo and remarks on the Bat Cave guano-mining operation in Grand Canyon. "It is an unusual reminder of an industry founded on bat crap."]

Grater, Russell K.

- 1951 21.6286 Black gold. *Arizona Highways*, 27(6) (June): 2-3, 26-27. [Bat Cave.]

Greenawalt, Robert O.

- 1958 2.3025 Guano tramway in Granite Gorge. (Map and diagram by Norton Allen.) *Desert Magazine*, 21(1) (January): 19-22. [Bat Cave.]

Hamilton, Andrew

- 1958 2.3149 Bat Cave bonanza. *Westways*, 50 (January): 4-5.

Heinrich, E. William

- 1957 21.4738 (ED.) [Bat Cave guano deposit to be mined.] *In*: The Ion Exchange Column. *Geochemical News* (University of Michigan, Department of Mineralogy), (8) (October): 7-8.

Hill, Carol A.

- 2007 28.662 A third alternative to concordism and divine accommodation: The worldview approach. *Perspectives on Science and Christian Faith*, 59(2) (June): 129-134. [See author's portrait view in field gear, "Carol Hill hiking up to Bat Cave, Grand Canyon", p. 129; the only reference to Grand Canyon in this article.]

Huntoon, Peter W.

- 1989 21.1547 Bat Cave guano mine, western Grand Canyon, Arizona. *In*: Elston, Donald P., Billingsley, George H., and Young, Richard A. (eds.), *Geology of Grand Canyon, northern Arizona (with Colorado River guides)*. 28th International Geological Congress, *Field Trip Guidebook T115/315*. Washington, D.C.: American Geophysical Union, p. 228.

Ledbetter, Jeri

- 1996 13.828 Going to bat. *Boatman's Quarterly Review*, 9(1): 8. [Proposed demolition of Bat Cave tower.]

Lera, Thomas, AND Lewis, Warren

- 2002 21.4183 Grand Canyon Bat Cave and tramway; America's most expensive cave venture. *NSS News* (National Speleological Society), 6(12) (December): 340-343.

Martin, Tom, AND Grua, Kenton

- 1995 13.906 Guano! *Boatman's Quarterly Review*, 8(4): 21. [Proposed demolition of Bat Cave tower.]

GRAND CANYON UNDERGROUND

Grand Canyon National Park

McFarlane, D. A.; Lundberg, J.; AND Fincham, A. G.

- 2002 21.7091 A late Quaternary paleoecological record from caves of southern Jamaica, West Indies. *Journal of Cave and Karst Studies*, 64(2) (August): 117-125. [See p. 121: "We have found subfossil guano from a dry site in Bat Cave, Grand Canyon (Arizona, USA) radiocarbon dated at 12,400 ±90 yrs BP (DAM 96-03) that preserves 31.9% dry weight of chitin (unpublished data)." (ENTIRE NOTE)]

Mizutani, Hiroshi; McFarlane, Donald A.; AND Kabaya, Yuko

- 1992 21.7016 Carbon and nitrogen isotopic signatures of bat guanos as record of past environments. *Mass Spectrometry Society of Japan, Journal*, 40(1) (February): 67-82. [Includes Bat Cave, Grand Canyon.]

Paden, Glenn

- 2001 2.12121 Grand Canyon DXing. *Scope* (Palomar Amateur Radio Club, Vista, California), (December): 3-4. [Main base at Pearce Ferry. Also included are a drive to Diamond Creek, followed by a non-DXing canoe trip upriver to the Bat Cave area and to Separation Canyon on Colorado River.] [DX: Distance Unknown. DXing: communicating with far-away radio stations.]

Pape, Robert B.

- 1998 19.2877 *Bat Cave, Grand Canyon National Park : baseline biological inventory : final report*. Tucson: [no imprint], for U.S. National Park Service, Grand Canyon National Park, 46 pp.
- 2014 19.4500 Biology and ecology of Bat Cave, Grand Canyon National Park, Arizona. *Journal of Cave and Karst Studies*, 76(1) (April): cover, inside front cover, 1-13.

Pape, Robert B.; Thomas, Donald B.; AND Aalbu, Rolf L.

- 2007 19.5477 A revision of the genus *Eschatomoxys* Blaisdell (Tenebrionidae: Pimeliinae: Edrotini) with notes on the biology. *The Coleopterists Bulletin*, 61(4): 519-540. [Includes *Eschatomoxys pholeter* Thomas and Pape, new species; holotype, allotype and paratypes from Bat Cave, Grand Canyon, and additional material from Rampart Cave ("on old sloth shit" [sic!]), Grand Canyon, and Eldel Cave, Mohave County. Includes remarks on other species from Marble Canyon.]

Poss, John R.

- 1982 2.9857 The Grand Canyon's hidden hoard. *Westways*, (June): 37-39, 73-74. [Bat Cave.]

Potts, Ben

- 1959 2.20627 Why does radio have to keep proving itself? *Broadcasting*, (January 26): 21. [Includes note of a marketing test for "Bat Guano, a fabulous plant food hidden away in caves in the Grand Canyon by bats thousand[s] of years ago". In context refers to the Bat Cave operation.]

Segerblom, Gene, AND Swain, Mark

- 1949 21.4662 Fortune hunt in a cave. *Popular Mechanics Magazine*, 91(6) (June): 160-163. [Bat Cave guano.]

GRAND CANYON UNDERGROUND

Grand Canyon National Park

Sjöberg, Fredrik

- 2016 2.24194 *Wozu macht man das alles? Geschichten und essays.* (Paul Berf, translator.) München: Carl Hanser Verlag, 224 pp. (Edition Akzente.) [See "Bing!", pp. 11-22; **Grand Canyon and Bat Cave, pp. 13-14.**] ["Die schwedischen Originaltexte erschienen erstmals in *Den utbrände kronofogden som fann lyckan* (Nya Doxa, Nora 2008) und *Varför haller man pa?* (Albert Bonniers Förlag, Stockholm 2012)."] (title-page verso)] [In German.]

Smith, Roger A.

- 2020 2.30292 *Batchit, Arizona : the rise and fall.* Kingman, Arizona: Batchit Books (BatchitAZ Books, LLC), 83 pp. [Bat Cave guano mining operation.] [An on-demand publication.]

Spicer, Rocky

- 2004 2.9841 High wire; in one of the toughest construction jobs ever, steelworkers built a tramway across the Grand Canyon. *Invention and Technology*, 19(4) (Spring): 34-38. [Bat Cave tram.]

Stein, Pat H.

- 2004 2.23498 *The treasure of Bat Cave.* Valentine, Arizona: Truxton Canon Agency, U.S. Bureau of Indian Affairs, 1 folded sheet.

Trennert, Robert A.

- 1977 21.7126 From gold ore to bat guano: Aerial mine tramways in the West. *Mining History Journal*, 4: 3-13. [See p. 11, Bat Cave, Grand Canyon.]
- 2001 21.7127 *Riding the high wire : aerial mine tramways in the West.* Boulder, Colorado: University Press of Colorado, 140 pp.

United States Guano Corporation

- [1990?] 26.240 *The treasure of Granite Gorge.* Wayne Steffner, producer; Don Henderson, director; Rick Mittleman, writer. VHS. 14:00. [Video about the Bat Cave operation. Presented by United States Guano Corporation, a division of New Pacific Coal and Oils, Ltd., Toronto, Canada.]

U.S. National Park Service, Grand Canyon National Park

- 1995 13.3812 *Draft environmental assessment : Bat Cave restoration, Grand Canyon National Park.* [No imprint], 8 pp. [Unsigned; author Kim Crumbo.]
- 1995 13.3813 *Finding of no significant impact : Bat Cave restoration : Grand Canyon National Park, Arizona.* [No imprint], [3] pp.

Valentry, Duane

- 1958 2.22542 Spinning the time thread; after lying undisturbed for centuries, a fortune in fertilizer is being brought to market thanks to the helicopter and modern knowhow. *Flying*, 63(3) (September): 32-33, 66-67. [Cable construction for Bat Cave tram.]

GRAND CANYON UNDERGROUND

Grand Canyon National Park

Wurster, Christopher M.; McFarlane, Donald A.; AND Bird, Michael I.

- 2007 18.1216 Spatial and temporal expression of vegetation and atmospheric variability from stable carbon and nitrogen isotope analysis of bat guano in the southern United States. *Geochimica et Cosmochimica Acta*, 71: 3302-3310. [Includes data from Bat Cave, Grand Canyon.]

Wurster, Christopher M.; MacFarlane, Donald A.; Bird, Michael I.; Ascough, Philippa; AND Athfield, Nancy Beavan

- 2010 21.5299 Stable isotopes of subfossil bat guano as a long-term environmental archive: Insights from a Grand Canyon cave deposit. *Journal of Cave and Karst Studies*, 72(2) (August): 111-121. [Bat Cave.]

Wurster, Christopher M.; Patterson, William P.; McFarlane, Donald A.; Wassenaar, Leonard I.; Hobson, Keith A.; Athfield, Nancy Beavan; AND Bird, Michael I.

- 2008 21.4255 Stable carbon and hydrogen isotopes from bat guano in the Grand Canyon, USA, reveal Younger Dryas and 8.2 ka events. *Geology*, 36(9): 683-686 + Data Repository Item 2008175, 4 pp. [Data Repository Item comprises Table DR1, " $\delta^{13}\text{C}$, δD , and C:N ratios from guano core 96-04, Bat Cave, Grand Canyon, AZ, USA" (3 pp.), and Table DR2, " ^{14}C -AMS dates used for the chronology of guano core" (1 p.).]

BIDA CAVE

Hill, Carol A.

- 1982 21.6094 Mineralogy of Bida Cave, Grand Canyon National Park, Arizona. *Cave Research Foundation, Annual Report 24*, pp. 18-19.

BUDDHA CAVE

Becker, Arnfried; Davenport, Colin A.; Eichenberger, Urs; Gilli, Eric; Jeannin, Pierre-Yves; AND Lacave, Corinne

- 2006 21.6390 Speleoseismology: A critical perspective. *Journal of Seismology*, 10: 371-388. [Regarding "unusual noises" heard by speleologists, see p. 372, reference (without citation) to "a 'thunderbolt' in the Buddha cave, Grand Canyon, during the M 5.2 Flagstaff earthquake, Arizona, in 1952". (No further discussion.)]

CAMERON CAVE

Gertsch, Willis J., AND Ennik, Franklin

- 1983 19.5009 The spider genus *Loxosceles* in North America, Central America, and the West Indies (Araneae, Loxoscelidae). *American Museum of Natural History, Bulletin*, 175 (Article 3): 264-360. [See *Loxosceles kaiba*, new species, p. 303, Map 4 (p. 295), Figures 110-113 (p. 299), Figure 133 (p. 300). [The specific epithet, *kaiba* [sic], is named "for Kaibab Plateau on north face of Grand Canyon" (p. 303). Holotype male, and female and immature specimens "from Thunder Cave" (Thunder River Cave). Also referred material from Cameron Cave, Grand Canyon National Park.]

GRAND CANYON UNDERGROUND

Grand Canyon National Park

CAVE OF THE DOMES

Anonymous

- 2016 15.996 Cave of the Domes reopened in Grand Canyon National Park. *Western Outdoor Times*, 12(2) (June): 12-13. [The cave had been closed for investigation of a possible source of hantavirus pulmonary syndrome exposure.]

Bouchard, Nancy Prichard

- 2008 9.864 Quick fix; the Grand Canyon. *In*: Days Adventures [SECTION]. *Backpacker*, 36(1) (February) (255): 25. [Brief notes for day visits: "2-3 Hours, Discover the North Rim" (scenic drive), "5-7 Hours, Explore a Desert Oasis" (Santa Maria Spring, Hermit Trail), "10+ Hours, Bag a Grand Canyon Classic" (Grandview Trail to Last Chance Mine, Cave of the Domes, and Cottonwood Spring).]

Gould, Rowan W.

- 2011 19.3468 Endangered and Threatened wildlife and plants; petition to list Grand Canyon Cave Pseudoscorpion. *Federal Register*, 76(138) (July 19): 42654-42658. [*Archeolarca cavicola* Muchmore, which was named based on a holotype female from Cave of the Domes, Grand Canyon (see Muchmore, 1981). [ITEM NO. 19.5001](#)]

Johnston, M. Andrew; Fleming, David; Franz, Nico M.; AND Smith, Aaron D.

- 2015 19.5231 Amphidorini LeConte (Coleoptera: Tenebrionidae) of Arizona: Keys and species accounts. *In*: Thomas, Donald B., Smith, Aaron D., and Aalbu, Rolf L. (eds.), A tribute to Honorary Member Dr. Charles A. Triplehorn. *Coleopterists Society, Monograph 14*, pp. 27-54. [See *Eleodes (Caverneleodes) leptoscelis* Triplehorn (p. 48, figure 9B (p. 38), from Cave of the Domes, Grand Canyon.)]

Lange, Arthur L.

- 1959 21.7606 "Llopis Llado, N. Sobre el karst actual y fosil de la terminación oriental de la Sierra de Cuera y sus yacimientos de hierro y manganeso. *Speleon*. tomo 9, #3/4, p. 3-59, Julio/Diciembre 1958." *Cave Notes*, 1(2) (March/April): 7-8. [Overview of a paper in Spanish that is not pertinent to this bibliography; but Lange's review, in English, includes a personal note pertaining to manganese oxides seen in the Cave of the Domes, Grand Canyon, and reniform hematite in nearby caves.]

Muchmore, William B.

- 1981 19.5001 Cavernicolous species of *Larca*, *Archeolarca*, and *Pseudogarypus* with notes on the genera, (Pseudoscorpionida, Gaypidae and Pseudogarypidae). *Journal of Arachnology*, 9(1): 47-60. [See *Archeolarca cavicola*, new species (pp. 55-56, Figures 11, 12 [p. 53]), holotype female from Cave of the Domes, Grand Canyon.]

Osborne, R. Armstrong L.

- 2004 21.6391 The troubles with cupolas. Težave kupolami. *Acta Carsologica* (Ljubljana, Slovenia), 33(2): 9-36. [References in general to Grand Canyon caves, pp. 24, 31; noting only Cave of the Domes, Horseshoe Mesa (p. 31), in a table of caves with cupolas reported from the Americas. Regarding dome-shaped solution cavities in karst caves.] [In English, with bilingual title thus; also with abstract in Slovenian, p. 10.]

GRAND CANYON UNDERGROUND

Grand Canyon National Park

- 2004 21.6392 The troubles with cupolas. *Speleogenesis and Evolution of Karst Aquifers*, 2(2) (December): 1-18. [Regarding dome-shaped solution cavities in karst caves. References in general to Grand Canyon caves, pp. 9, 11; in a table of "Caves with cupolas reported from the Americas . . ." notes only Cave of the Domes, Horseshoe Mesa (p. 11).] [Reprinted from *Acta Carsologica* (ITEM NO. 21.6391).]

Triplehorn, Charles A.

- 1975 19.1697 A subgenus of *Eleodes* with three new cave-inhabiting species (Coleoptera: Tenebrionidae). *The Coleopterists Bulletin*, 29(1): 39-43. [New species from Grand Canyon.] ["Types: holotype (female) and 2 paratypes: Arizona: Coconino County, **Cave of Domes [Cave of the Domes, Horseshoe Mesa]**, 16-X-1953; 1 paratype, same data except 14-X-1954; 2 paratypes, Coconino County, **Cave 68-Olje [Tse'an Olje, Cremation Canyon]**, 14-X-1954; 1 paratype, Coconino County, **Tse-an-cho [Tse'an Cho, Horseshoe Mesa]**, 7-XI-1953. Holotype (USNM #73090) and paratypes in United States National Museum; paratypes in The Ohio State University Collection of Insects and Spiders. The following information on cave locations was supplied by Paul S. Bartholomew in 1957: Cave of Domes and Tse-an-Cho are both caves on Horseshoe Mesa, about 12 miles east of South Village, which is on the south rim of the Grand Canyon; Cave 68-Olje (also called Tse-an-Olje) is a cave east of South Village [Grand Canyon village]; the 3 caves are at approximately 4500 feet elevation (T. J. Spilman, in litt.)."]

CHEYAVA FALLS CAVE

Anonymous

- 1964 21.43 [Note on Cheyava Falls Cave.] *In*: Proceedings [SECTION]. *Cave Notes*, 6(3): 19.

CHRISTMAS TREE CAVE

Breed, William J.

- 1977 21.409 Christmas Tree Cave—an effect of salt weathering in Arizona [ABSTRACT]. *Arizona Academy of Science, Journal*, 12 (Proceedings Supplement): 53.

Sasowski, Ira

- 1987 2.20981 Caving adventure. *P.B.S.S. Spylunk* (National Speleological Society, Permian Basin Speleological Society Grotto, Texas), 4(3) (May/June): 4. [Aborted attempt to raft in Thunder River Cave and Tapeats Cave. Also "hitchhiked" with a commercial group on the Colorado River from Tapeats Creek to Deer Creek, stopping to see Christmas Tree Cave.]

CRUMBLING CAVE

Strong, Tom

- 1991 2.23499 Crumbling Cave, Grand Canyon National Park, Arizona; preliminary report. *Geo²* (National Speleological Society, Cave Geology and Geography Section, Newsletter), 18(3): 66-68.

GRAND CANYON UNDERGROUND

Grand Canyon National Park

CYLINDER CAVE

Harris, Arthur H.

- 1990 21.6061 Fossil evidence bearing on southwestern mammalian biogeography. *Journal of Mammalogy*, 71(2): 219-229. [Study sites include in Grand Canyon: Rampart Cave, Cylinder Cave, Tse'an Kaetan, Tse'an Olje.]

DOUBLE BOPPER CAVE

[associated with Leandras Cave]

Anonymous

- 2019 21.8276 The NSS Webinar Series: Grand Canyon's Double Bopper Cave reaches 40 miles long, presented by: Beth Cortright. *The River City Caver* (National Speleological Society, River City Grotto, Jacksonville, Florida), (March): [2]. [Notice includes link to view webinar videos at <https://caves.org/webinars/index-8.shtml#Bopper>. That web page links to the video, "Grand Canyon's Double Bopper Cave System Reaches 40 Miles (Part 2)" by Beth Cortright, <https://caves.org/webinars/Double%20Bopper%202-1.mp4> (1:16:25). (Part 1 is "Salt, Smoke, and Sketchy Slopes: 11 Miles of New Survey in Grand Canyon Caves" by Beth Cortright (58:17), <https://caves.org/webinars/Double%20Bopper%201-1.mp4>.)]

Ashjari, Javad; Tobin, Benjamin; Fryar, Alan E.; AND Ashjari, Zohreh

- 2024 21.8615 Numerical modeling of development of Leandras and Double Bopper Caves, Grand Canyon, USA. *Hydrogeology Journal*, 32: 1751-1768 + supplementary information online (3 pp.).

Chambers, Carol L.; Thomas, Shawn; Santucci, Vincent L.; Oswarld, Hattie; AND Ballensky, Jason

- 2024 21.8475 Ancient bat remains illustrate the role of caves as habitat anchors in the temporarily dynamic landscape of the Grand Canyon. *Parks Stewardship Forum*, 40(1): 39-52. [Features Double Bopper Cave and Leandras Cave.]

Heimel, Sierra

- 2022 21.8654 *Hypogene speleogenesis in the Grand Canyon; observational, mineralogical, and geochemical investigations from the Bopper Cave System*. Master's thesis, University of Kentucky, 105 pp. [Features Double Bopper Cave and Leandras Cave.]

Heimel, Sierra M., AND Tobin, Benjamin W.

- 2022 21.8383 Geospatial applications of cave resource data to better understand epikarst and unsaturated zone groundwater flow path development. *Geosciences* (MDPI: Multidisciplinary Digital Publishing Institute, Basel, Switzerland), 12(47), <https://doi.org/10.3390/geosciences12020047>, 12 pp. + data accessible online, irma.nps.gov, and kgs.uky.edu/kgsweb/main.asp. [Study sites are Bopper cave system, Grand Canyon, and California Cave, Kentucky.]
- 2022 21.8399 Hypogene speleogenesis in the Grand Canyon: Mineralogical, structural, and geospatial investigations from the Bopper Cave system [ABSTRACT]. *Geological Society of America, Abstracts with Programs*, 54(5): abstract 160-10, <https://doi.org/10.1130/abs/2022AM-381121>.

GRAND CANYON UNDERGROUND

Grand Canyon National Park

DUTTON CAVE

Davis, Jan

- 1964 2.21299 Dutton Cave—Grand Canyon. *The Netherworld News* (National Speleological Society, Pittsburgh Grotto), 12(9) (September): cover, 118, 119-123; (10) (October): 135-138. [Part II gives title as "Dutton Cave; Grand Canyon, Arizona".] [Dutton Spring, Deer Creek.]

FALLS CAVE

Ballensky, Jason

- 2016 21.7190 Survey of caves in Grand Canyon, Arizona [ABSTRACT]. *In: National Speleological Society : 2016 NSS Convention program guide : Ely, Nevada, July 18-22, 2016.* Huntsville, Alabama: National Speleological Society, p. 100. [Brief. Noting passage lengths of cave surveys in the "Grand Canyon area": Double Bopper Cave ("the longest and deepest cave in Arizona"), Leandras Cave, Falls Cave, Tse'an Bida, and Hogwarts Cave.]

Lane, Gregory T.

- 1967 2.18585 ARA meeting. *NSS News* (National Speleological Society), 25(3) (March): 25, 43. [Meeting of Arizona Regional Association (of National Speleological Society) "at Vasey's Paradise", Thanksgiving weekend 1966. Skull Cave mapped; Falls Cave visited.]

Williams, Alan

- 1969 21.3481 Hydrological observations in Falls Cave made during the trip of January 25, 26, 27, 1969. *Cave Crawler's Gazette*, 10: 3-6.

HOGWARTS CAVE

Ballensky, Jason

- 2016 21.7190 Survey of caves in Grand Canyon, Arizona [ABSTRACT]. *In: National Speleological Society : 2016 NSS Convention program guide : Ely, Nevada, July 18-22, 2016.* Huntsville, Alabama: National Speleological Society, p. 100. [Brief. Noting passage lengths of cave surveys in the "Grand Canyon area": Double Bopper Cave ("the longest and deepest cave in Arizona"), Leandras Cave, Falls Cave, Tse'an Bida, and Hogwarts Cave.]

HORSESHOE MESA CAVES GENERALLY

Anonymous

- 1899 2.90 The Grand Cañon cavern. *In: Woods, G. K. (compiler), Personal impressions of the Grand Cañon of the Colorado River near Flagstaff, Arizona, as seen through nearly two thousand eyes, and written in the private visitors' book of the world-famous guide Capt. John Hance, guide, story-teller, and path-finder.* San Francisco: Whitaker and

GRAND CANYON UNDERGROUND

Grand Canyon National Park

Ray Co., for G. K. Woods, Flagstaff, A. T., pp. 149-152. [From *Coconino Sun* (Flagstaff). About Horseshoe Mesa caves.]

Barck, C.

- 1913 2.1286 Caves. *Mazama*, 4(2) (December): 61-69. [The author notes two "limestone caverns in the mountain regions of the west" that he has visited; one "is in the Grand Canyon of the Colorado River, on the 'Grand View' or 'Berry's' trail, about 2500 feet below the rim." (ENTIRE NOTE)]

Bicknell, P. C. [Bicknell, Pierpont Constable]

- [1902] 2.1447 *Guide book of the Grand Canyon of Arizona : with the only correct maps in print : a volume of interesting facts and gossip by P. C. Bicknell.* [No imprint] [printed by Press of G. Rice and Sons, Los Angeles], 97 pp., map. [Includes caves, likely Horseshoe Mesa; see Bicknell (1980, ITEM NO. 2.12256).] [Cover title: *Guide Book of the Grand Canyon.* Copies with stamp added to title-page: "Fred Harvey, Publisher, Kansas City, Mo. Copyright by Geo. U. Young".] [Data from U.S. Copyright Office indicate Library of Congress No. 2—17241; and: "Copyright by Geo. U. Young and P. C. Bicknell, United States. Class A, XXc, no. 16043, Sept. 3, 1901 [i.e. copyright registration filed]; 1 copy rec'd May 31, 1902; 1 copy rec'd June 9, 1902 [i.e., dates when requirement of the deposit of two copies of the publication were satisfied]" (U.S. Library of Congress, Copyright Office, *Catalogue of Title Entries of Books and Other Articles*, (577) (3rd Quarter 1902) (July 24): 389). The deposit dates in mid-year seem to indicate the time of availability.]
- 1980 2.12256 Guide book of the Grand Canyon of Arizona. *Journal of Spelean History* (American Spelean History Association [National Speleological Society, History Section]), 14(2) (45):. [Excerpt from Bicknell (no date [1902], ITEM NO. 2.1447), pertaining to caves.]

Buecher, Robert H. [Buecher, Bob]

- 1978 21.464 Geology. *In: Cave resources of Horseshoe Mesa, Grand Canyon National Park.* Yellow Springs, Ohio: Cave Research Foundation, pp. 43-49. [Restricted distribution; contains archaeological data.]
- 2005 16.498 A history of the discovery and exploration of the caves of Horseshoe Mesa, Grand Canyon National Park [ABSTRACT]. *In: Eighth Biennial Conference of Research on the Colorado Plateau, du Bois Center, Northern Arizona University, 7-10 November 2005 : program and abstracts of presented papers and posters (version 2.0)*, p. 33.

Cox, James

- 1894 2.11209 (ED.) *Our own country : its rivers, lakes, waterfalls, geysers, glaciers, mountains, cañons : entrancing landscapes : a complete picturesque America.* St. Louis, Missouri: National Art Co. [Serial publication as *National Art Magazine*.] [See in Series 1, No. 9 (May 7, 1894): "Camping on the Way to Grand Cañon of the Colorado", p. 137; "Bridal Veil Falls, Grand Cañon of the Colorado", p. 139 and accompanying text, 139-140; "Climbing the Cliffs of the Grand Cañon", p. 141 and accompanying text on same page; "**Wall of Stalactite Cave, Grand Canon**", p. **143**; p. 144. See in Series 1, No. 10 (May 14, 1894), entire number.]

James, George Wharton; Burgoyne, Alan H.; AND Peake, Elmore Elliott

- 1920 2.24109 *The people's pictorial atlas of the world.* Cleveland, Ohio: R. C. Barnum Co., and Better Farming Association; Detroit, Michigan: F. B. Dickerson Co.; Toronto, Canada:

GRAND CANYON UNDERGROUND

Grand Canyon National Park

Imperial Publishing Co., 390 pp. ("Copyright, 1920, by R. C. Barnum[.] Copyright, 1920, by John Thomas, Chicago, Ill.") [See independent pages of illustrations in volume; specifically, p. 106, "Stalagmites [stalactites, actually] in a limestone cave, Arizona" (further identified as "hidden in a cave on the Grand View Trail which leads into the Grand Canyon").]

Morris, Don P.

- 1978 16.292 Archaeological aspects of the Horseshoe Mesa caves. *In: Cave resources of Horseshoe Mesa, Grand Canyon National Park.* Yellow Springs, Ohio: Cave Research Foundation, pp. 32-35. [Restricted distribution.]

T., H. S.

- 1903 2.15345 On the Bright Angel Trail in the Grand Canyon of the Colorado. *New Century Path*, 6(30) (June 7): 12. [See also cover (p. 1) and legend (p. 2), "On the Rim of the Grand Canyon".] [Article includes illustration of cave on Grandview Trail.]

Underwood & Underwood [firm]

- 1904 26.761 [Stereocard] (9)—6080—Dendritic stalagmites in a limestone cave, Grand Cañon of Arizona. [Information regarding the stereocard set follows below. **This stereocard is illustrated on the cover of the present volume, with its legend on the inside of the cover.**]
- 26.641 *The Grand Cañon of Arizona : through the stereoscope : the Underwood patent map system combined with eighteen original stereoscopic photographs.* New York, London, Ottawa (Kansas), San Francisco, Toronto, and Bombay: Underwood and Underwood, 18 stereoviews in slipcase, text 64 pp. with 2 maps (map 2 is fold-out). (Box spine embossed: [ornamental rule] / [lamp vignette] / [ornamental rule] / GRAND CANYON / Arizona / [ornamental rule] / [lamp vignette] / [ornamental rule] / UNDERWOOD / AND / UNDERWOOD / [ornamental rule].) [1904, 1906, 1908 eds. have been noted.] [Box variants noted: boxes with gilt or silver stamping; text booklet either clothbound or in wraps.] [NOTE: The separately bound text, edited by Frederick S. Dellenbaugh (not credited, 1904; credited, no date [1906-1908]), accompanies the boxed set of stereoscopic views. Its fold-out map of Grand Canyon delimits with overprinting the direction and breadth of view for each stereoview. (Thus far one dust jacket has been seen with a clothbound text, but which may have been custom-made, thus dust jackets for clothbound texts are not likely a publisher's production [*fide* Dan Cassidy, *Five Quail Books*].) Each card measures 7 × 3½ inches with two photographic stereo prints (by convention arch-cut on their top margins) 3 inches wide × 3½ inches tall (measured with the curve of the card). Each card is enumerated; some with a number printed at center top between the two images, all with the number prefixed parenthetically to the legend at lower-right of card. Those without a number at top indicate at lower-right "Copyright [wide space] 1903 by Underwood & Underwood."; those with numbers indicate "Copyright Underwood & Underwood." (The differences likely reflect different production runs.) The left side of the card is printed in script, "Underwood & Underwood, Publishers. New York, London, Toronto-Canada, Ottawa-Kansas"; the right side is printed in script, "Works and [sunburst vignette] Studios~ Arlington, N.J. Westwood, N.J." (the sunburst vignette is centered, with text centered within: "SUN SCULPTURE / [Underwood & Underwood logo] / TRADE MARK".) The verso of each card contains at the bottom a repetition of the photo legend in English, French, German, Spanish, Swedish, and Russian; these may be foreshortened from the recto legend or may be more complete depending on typographical space considerations on both recto and verso. The main part of the verso contains a

GRAND CANYON UNDERGROUND

Grand Canyon National Park

descriptive text (in English) pertaining to the scene, with references for additional reading; some with credit, "From Notes of Travel, No. 6, copyrighted, 1904, by Underwood & Underwood." The verso descriptive text differs from the pertinent scene descriptions in the accompanying booklet (pp. 32-62).]

Wasson, J. Curtis

- 1899 2.6702 The stalactite caves of the Grand Cañon. *In*: Woods, G. K. (compiler), *Personal impressions of the Grand Cañon of the Colorado River near Flagstaff, Arizona, as seen through nearly two thousand eyes, and written in the private visitors' book of the world-famous guide Capt. John Hance, guide, story-teller, and path-finder*. San Francisco: Whitaker and Ray Co., for G. K. Woods, Flagstaff, A. T., pp. 133-134.

Welbourn, W. Cal

- 1978 19.1840 Preliminary report on the cave fauna. *In*: *Cave resources of Horseshoe Mesa, Grand Canyon National Park*. Yellow Springs, Ohio: Cave Research Foundation, pp. 36-42. [Restricted distribution due to archaeological content.]

HUMMINGBIRD CAVE

Mowat, George D., AND Lange, Arthur

- 1961 19.3370 Grand Canyon cave studies. *Cave Notes*, 3(5) (September/October): 38. [Includes note of hummingbird nest in Hummingbird Cave and similar perch structures in other remote caves.]

KAPPEN CAVE

Bodenhamer, Hans

- 1995 13.3623 Monitoring human-caused changes with visitor impact mapping. *In*: Rea, G. Thomas (proceedings ed.), *Proceedings of the 1995 National Cave Management Symposium, Spring Mill State Park, Mitchell, Indiana, October 25-28, 1995*. Indianapolis, Indiana: Indiana Karst Conservancy, Inc., pp. 28-37. [See "Using Visitor Impact Mapping to Evaluate and Compare Caves within a Region", pp. 31-33, which includes Rex Cave, Kappen Cave, and Matts Cave, all in Grand Canyon. Includes floor plans with impact data.]

LANG CAVE

Anonymous

- 2006 2.12819 Mountain Culture Speakers' Series; Under the Map by Stephen Alvarez. *A Peak Inside* (Mountain Culture at The Banff Centre, Banff, Alberta), (Spring): 1. [Exhibition announcement; includes photo, "Cavers Neeld Messler and Trent Atwood in the spectacular entrance of Lang Cave in Grand Canyon National Park, Arizona".]

Stiles, Gary

- 2003 28.479 Geologist Louise Hose rappels her way down to Lang Caves in the Grand Canyon. *Geotimes*, 48(2): cover, 1. [Photo, illustrating "Stories from the Underground"

GRAND CANYON UNDERGROUND

Grand Canyon National Park

feature by *Geotimes* staff, which features in part Hose's work but does not mention Grand Canyon (pp. 22-25).]

LEANDRAS CAVE

[associated with Double Bopper Cave]

Ashjari, Javad; Tobin, Benjamin; Fryar, Alan E.; AND Ashjari, Zohreh

2024 21.8615 Numerical modeling of development of Leandras and Double Bopper Caves, Grand Canyon, USA. *Hydrogeology Journal*, 32: 1751-1768 + supplemental information online (3 pp.).

Ballensky, Jason

2016 21.7190 Survey of caves in Grand Canyon, Arizona [ABSTRACT]. *In: National Speleological Society : 2016 NSS Convention program guide : Ely, Nevada, July 18-22, 2016*. Huntsville, Alabama: National Speleological Society, p. 100. [Brief. Noting passage lengths of cave surveys in the "Grand Canyon area": Double Bopper Cave ("the longest and deepest cave in Arizona"), Leandras Cave, Falls Cave, Tse'an Bida, and Hogwarts Cave.]

Chambers, Carol L.; Thomas, Shawn; Santucci, Vincent L.; Osworld, Hattie; AND Ballensky, Jason

2024 21.8475 Ancient bat remains illustrate the role of caves as habitat anchors in the temporarily dynamic landscape of the Grand Canyon. *Parks Stewardship Forum*, 40(1): 39-52. [Features Double Bopper Cave and Leandras Cave.]

Heimel, Sierra

2022 21.8654 *Hypogene speleogenesis in the Grand Canyon; observational, mineralogical, and geochemical investigations from the Bopper Cave System*. Master's thesis, University of Kentucky, 105 pp. [Features Double Bopper Cave and Leandras Cave.]

Heimel, Sierra M., AND Tobin, Benjamin W.

2022 21.8383 Geospatial applications of cave resource data to better understand epikarst and unsaturated zone groundwater flow path development. *Geosciences* (MDPI: Multidisciplinary Digital Publishing Institute, Basel, Switzerland), 12(47), <https://doi.org/10.3390/geosciences12020047>, 12 pp. + data accessible online, irma.nps.gov, and kgs.uky.edu/kgsweb/main.asp. [Study sites are Bopper cave system, Grand Canyon, and California Cave, Kentucky.]

2022 21.8399 Hypogene speleogenesis in the Grand Canyon: Mineralogical, structural, and geospatial investigations from the Bopper Cave system [ABSTRACT]. *Geological Society of America, Abstracts with Programs*, 54(5): abstract 160-10, <https://doi.org/10.1130/abs/2022AM-381121>.

Maynard, Phil

2017 2.29067 (COORDINATOR) Cartography Salon. *In: Marsh, Denis, Final report; 17th International Congress of Speleology, Sydney 2017; Sydney, Australia, 23-30 July 2017; Caves in an Ancient Land. UIS Bulletin* (Union Internationale de Spéléologie, Postojna, Slovenia), 59(2) (December): 27. ["A total of 20 map entries submitted for judging with awards going to: Winner: Bob Richard, Leandras Cave" (ENTIRE NOTE) Not

GRAND CANYON UNDERGROUND

Grand Canyon National Park

illustrated; but see Rice (2012, [ITEM NO. 2.29060](#)), which depicts the detailed map at reduced scale.]

Rice, Steven E.

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| 2012 | 2.20382 | Surveying Leandras Cave, longest in Arizona. <i>Inside Earth</i> (U.S. National Park Service, Cave and Karst Programs), 15(1) (Spring): 4-5. [Grand Canyon National Park.] |
| 2012 | 2.29060 | Hidden wonder; the discovery and survey of Leandras Cave, Grand Canyon National Park. <i>Park Science</i> (U.S. National Park Service), 29(1) (Spring/Sumemr): 12-15. [Includes detailed plan view and profiles.] |
| 2013 | 2.20375 | Grand Canyon National Park. <i>Inside Earth</i> (U.S. National Park Service, Cave and Karst Programs), 16(1): 9-10. [Notes among other things, Leandras Cave length extended by new surveys, and Cave Management program to document and inventory caves in Marble Canyon along the Colorado River.] |

LUKA CAVE

Schroedl, Alan R.

- | | | |
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| 1977 | 16.328 | The Grand Canyon figurine complex. <i>American Antiquity</i> , 42(2) (April): 254-265. |
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Schwartz, Douglas W.; Lange, Arthur L.; AND deSaussure, Raymond

- | | | |
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| 1958 | 16.347 | Split-twig figurines in the Grand Canyon. <i>American Antiquity</i> , 23(3) (January): 264-274. |
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Wheeler, S. M.

- | | | |
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| 1949 | 16.402 | More about split-twig figurines. <i>The Masterkey</i> (Southwest Museum, Los Angeles), 23(5): 153-158. |
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MALLERY GROTTA

General Federation of Women's Clubs, Art Committee

- | | | |
|------|--------|---|
| 1908 | 16.655 | (COMPILER) <i>Handbook of art in our own country</i> . (Mrs. Everett W. Pattison [Alice M. G. Pattison], ed.) [No place]: General Federation of Women's Clubs, 54 pp. [Under "Primitive Dwellings of the Southwest", p. 53: "Many caves in Arizona show clear evidences of aboriginal occupation. Mallery Grotto at the Grand Canyon (not far from El Tovar Hotel)." (ENTIRE ITEM)] [This is a pictograph site at the top of Bright Angel Trail. Not a cave <i>per se</i> but cited here for the historical public position of this shelter site.)] |
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GRAND CANYON UNDERGROUND

Grand Canyon National Park

MARBLE CANYON CAVES GENERALLY

Bostick, Neely H.

- 1967 2.22086 The caves of Marble Gorge, Grand Canyon. *Caves and Karst*, 9(1) (January/February): 1 [cover], 2-4. [Editorial.]

Kropf, Manny; Mead, Jim I.; AND Anderson, R. Scott

- 2007 21.7007 Dung, diet, and the paleoenvironment of the extinct shrub-ox (*Euceratherium collinum*) on the Colorado Plateau, USA. *Quaternary Research*, 67: 143-151. [Includes references to "eastern Grand Canyon Caves" noted by archaeological site numbers.]

Mead, Jim I.; Coats, Larry L.; AND Schubert, Blaine W.

- 2003 21.3963 Late Pleistocene faunas from caves in the eastern Grand Canyon, Arizona. *In*: Schubert, Blaine W., Mead, Jim I., and Graham, Russell William (eds.), *Ice age cave faunas of North America*. Bloomington and Indianapolis, Indiana: Indiana University Press, and [Denver]: Denver Museum of Nature and Science, pp. 64-86. [See also volume dust jacket front illustration.]

Rice, Steven E.

- 2013 2.20375 Grand Canyon National Park. *Inside Earth* (U.S. National Park Service, Cave and Karst Programs), 16(1): 9-10. [Notes among other things, Leandras Cave length extended by new surveys, and Cave Management program to document and inventory caves in Marble Canyon along the Colorado River.]

MATTS CAVE

Bodenhamer, Hans

- 1995 13.3623 Monitoring human-caused changes with visitor impact mapping. *In*: Rea, G. Thomas (proceedings ed.), *Proceedings of the 1995 National Cave Management Symposium, Spring Mill State Park, Mitchell, Indiana, October 25-28, 1995*. Indianapolis, Indiana: Indiana Karst Conservancy, Inc., pp. 28-37. [See "Using Visitor Impact Mapping to Evaluate and Compare Caves within a Region", pp. 31-33, which includes Rex Cave, Kappen Cave, and Matts Cave, all in Grand Canyon. Includes floor plans with impact data.]

MUAV CAVE

Anonymous

- 1999 21.6072 Late Pleistocene vertebrate communities of the lower Grand Canyon: Rampart and Muav Caves. *Park Paleontology* (U.S. National Park Service), 5(4) (Fall): 2. [Item signed "staff writer". Note on research conducted by Mary Carpenter and Jim Mead.]

Burroughs, Hulbert

- 1960 28.931 Hikers pause in Muav Cave in the lower Grand Canyon to inspect at long range an eroded buttress on the other side of the Colorado River. [Photo of the Month.] *Desert*

GRAND CANYON UNDERGROUND

Grand Canyon National Park

Magazine, 23(1) (January): 5. [View from mouth of cave with seated people in silhouette.]

Carnegie Institution of Washington, Exhibition Committee

1937 21.514 The annual exhibition representing research activities of Carnegie Institution of Washington. *Scientific Monthly*, 44 (June): 509-518. [See "Recent Cave Explorations in the Southwest", pp. 514-515; includes mention of Rampart Cave and Muav Cave.]

Carpenter, Mary C.

1999 21.3587 Late Pleistocene vertebrate communities of the lower Grand Canyon: Rampart and Muav Caves [ABSTRACT]. *In*: Abstracts of papers; Fifty-ninth Annual Meeting, Society of Vertebrate Paleontology, Adams Mark Hotel, Denver, Colorado, October 20-23, 1999. *Journal of Vertebrate Paleontology*, 19(3, Supplement): 36A.

Hunt, Adrian P., AND Lucas, Spencer G.

2018 21.7794 The record of sloth coprolites in North and South America: Implications for terminal Pleistocene extinctions. *In*: Fossil Record 6. *New Mexico Museum of Natural History and Science, Bulletin*, 79: 277-298. [Includes Rampart and Muav Caves, with significant focus on Rampart Cave, and names *Castrocopros martini*, new ichnogenus, new ichnospecies, from Rampart Cave.]

Hutt, Sherry

2013 16.866 Notice of inventory completion: U.S. Department of the Interior, National Park Service, Grand Canyon National Park, Grand Canyon, AZ. *Federal Register*, 78(69) (April 10): 21407-21408. [Inventory completed of "human remains and associated funerary objects" collected from Muav Cave in 1936.] [See also Correction, 82(84): 20628 (O'Brien, 2017, [ITEM NO. 16.1149](#)).]

Laudermilk, J. D., AND Munz, P. A. [Laudermilk, Jerome Douglass, AND Munz, Philip Alexander]

1938 21.1833 Plants in the dung of *Nothrotherium* from Rampart and Muav Caves, Arizona. *Carnegie Institution of Washington, Publication 487*, pp. 271-281.

McDonald, H. Gregory, AND Jefferson, George T.

2008 21.6939 Distribution of Pleistocene *Nothrotheriops* (Xenarthra, Nothrotheridae) in North America. *In*: Wang, Xiaoming, and Barnes, Lawrence G. (eds.), *Geology and vertebrate paleontology of western and southern North America, contributions in honor of David P. Whistler. Natural History Museum of Los Angeles County, Science Series*, (41): 313-331. [Includes Muav Caves and Rampart Cave in Grand Canyon.]

O'Brien, Melanie

2017 16.1149 Notice of inventory completion: Department of the Interior, National Park Service, Grand Canyon National Park, Grand Canyon, AZ; Correction. *Federal Register*, 82(84) (May 3): 20628. [Correction to Hutt (2013, [ITEM NO. 16.866](#) [*Federal Register* 78(69) (April 10): 21407-21408]), regarding objects collected from Muav Cave in 1936.]

GRAND CANYON UNDERGROUND

Grand Canyon National Park

NEXT DOOR CAVE

Hodnett, John-Paul M.; Mead, Jim; White, Richard; AND Carpenter, Mary

- 2010 21.7697 *Miracinonyx trumani* (Carnivora: Felidae) from the Rancholabrean of Grand Canyon, Arizona and its implications for the ecology of the "American cheetah" [ABSTRACT]. *In: Program and abstracts : 70th Anniversary Meeting, Society of Vertebrate Paleontology : David L. Lawrence Convention Center, East Lobby and Westin Convention Center Pittsburgh, Pittsburgh, Pennsylvania USA, October 10-13, 2010*, p. 106A. [Remains noted from Rampart Cave, Next Door Cave, and Stanton's Cave.]

Hodnett, John-Paul M.; White, Richard S.; Carpenter, Mary; Mead, Jim I.; AND Santucci, Vincent L.

- 2022 21.8450 *Miracinonyx trumani* (Carnivora; Felidae) from the Rancholabrean of the Grand Canyon, Arizona and its implications for the ecology of the "American cheetah". *In: Morgan, Gary S., Baskin, Jon A., Czaplewski, Nicholas J., Lucas, Spencer G., McDonald, H. Gregory, Mead, Jim I., White, Richard S., Jr., and Lichtig, Asher J. (eds.), Late Cenozoic vertebrates from the American Southwest: A tribute to Arthur H. Harris. New Mexico Museum of Natural History and Science, Bulletin 88*, pp. 157-186. [Remains described from Rampart Cave, Next Door Cave, and Stanton's Cave.]

NOONER CAVE

Lauzon, Robert M.

- 2019 2.27726 Nooner Cave. *The Ol' Pioneer* (Grand Canyon Historical Society), 30(1) (Winter): 3-4. [See also unreferenced cover illustrations (legends, p. 2).]

RAMPART CAVE

Rampart Cave, so well known for its trove of "ice age" animal and plant remains, was devastated by a presumably accidental fire in the 1970s by unknown unauthorized visitors. In any case, the severe drop in the level of the impounded Lake Mead in recent years has allowed the Colorado to reentrench itself into the lake sediments that filled its course after the construction of Hoover Dam. Physical access to the cave is severely hampered by cliffs of unconsolidated sediments and vegetation in the river corridor. Although after its discovery in the 1930s plans were made for public exhibits (visitors would reach it by way of guided tours that were then being conducted on the new Lake Mead), nothing came of them. No evidence of human occupation of the cave has been found.

Anonymous

- 1936 21.37 Find well preserved sloths in cave resembling stable. *Science News Letter*, 30(804) (September 5): 157. [Rampart Cave.]

GRAND CANYON UNDERGROUND

Grand Canyon National Park

- 1936 21.6639 Ground sloth cave. *In*: The Supplement [SECTION]. *Southwestern Monuments Monthly Report* (U.S. National Park Service), (December): 437. [Rampart Cave.] [One paragraph quoted with credit, "Extracted from Museum News, December 1, 1936."; with the interesting note added: "Plans for showing the cave to the public have not been completed but it is hoped that an exhibit in situ can be made. Tentative plans include running a trench through the cave and lining the walls of the trench with glass so that bones or any possible human artifacts may be seen."]
- 1937 21.5138 Carnegie expedition tracks prehistoric giant sloth to its lair. *Life*, 3(12) (September 20): 48-50. [Rampart Cave.] [See also Charles Amsden, "Sloth Hunting", letter to editor, 3(15) (October 11): 128 (ITEM NO. 21.5139).]
- 1977 21.6237 Fossil fire. *National Park Service Newsletter*, 12(4) (April): 3. [Rampart Cave fire.]
- 1977 3.296 Follow-up on the news. Grand Canyon fire. *The New York Times*, (June 19): 33. [Rampart Cave.]
- 1978 21.6238 Grand Canyon National Park. *In*: Park Briefs [SECTION]. *Courier* (U.S. National Park Service), 1(4) (March): 8. [Rampart Cave fire extinguished; Paul Martin assesses damage.]
- 1999 21.6072 Late Pleistocene vertebrate communities of the lower Grand Canyon: Rampart and Muav Caves. *Park Paleontology* (U.S. National Park Service), 5(4) (Fall): 2. [Item signed "staff writer". Note on research conducted by Mary Carpenter and Jim Mead.]
- 2009 21.4494 50 years ago from the Mohave County Miner. *Mohave Memories* (Mohave Museum of History and Arts, Kingman, Arizona), 1 (February): 3. [Passing note of Shasta ground sloth in Rampart Cave.]
- 2012 21.6086 Presidents of the Historical Society of Charles County. *The Record* (Historical Society of Charles County, La Plata, Maryland), 106(2) (April): 3-6. [See p. 4, Watson M. Perrygo, 1970-1978; note of collecting activities at "Rampart Cave, Arizona, 1942, as assistant to A. Remington Kellogg to excavate skeletal remains of several species of mammals, birds, lizards, and snakes." (ENTIRE NOTE)]

Amsden, Charles

- 1937 21.5139 Sloth hunting. *In*: Pictures to the Editors [SECTION]. *Life*, 3(15) (October 11): 128. [Letter and photo in response to *Life* article, "Carnegie Expedition Tracks Prehistoric Giant Sloth to Its Lair", 3(12) (September 20): 48-50, which related to Rampart Cave (see Anonymous, 1937, ITEM NO. 21.5138). Amsden relates to work in Gypsum Cave, Nevada.]

Baldwin, Gordon C.

- 1946 16.46 Notes on Rampart Cave. *The Masterkey* (Southwest Museum, Los Angeles), 20(3): 94-96. [Originally a manuscript report.]

Besom, Kim

- 2010 21.4705 Grand Canyon National Park: Fossil *what?* *In*: Bacharach, Joan, *Collecting America. Sojourns* (Peaks, Plateaus and Canyons Association), 5(1) (Winter/Spring): 9-10. [Rampart Cave fossils; specifically, dung.]

GRAND CANYON UNDERGROUND

Grand Canyon National Park

- 2010 21.4706 Rampart's treasure *In: Around the Plateau on public lands: From the collections [FEATURE]. Sojourns (Peaks, Plateaus and Canyons Association), 5(1) (Winter/Spring): 46-47. [Rampart Cave.]*

Blair, Gerry

- 1980 21.311 Fire at fossil cave. *Lapidary Journal*, 34: 690-695. [Rampart Cave.]

Carnegie Institution of Washington, Exhibition Committee

- 1937 21.514 The annual exhibition representing research activities of Carnegie Institution of Washington. *Scientific Monthly*, 44 (June): 509-518. [See "Recent Cave Explorations in the Southwest", pp. 514-515; includes mention of Rampart Cave and Muav Cave.]

Carpenter, Mary C.

- 1999 21.3587 Late Pleistocene vertebrate communities of the lower Grand Canyon: Rampart and Muav Caves [ABSTRACT]. *In: Abstracts of papers; Fifty-ninth Annual Meeting, Society of Vertebrate Paleontology, Adams Mark Hotel, Denver, Colorado, October 20-23, 1999. Journal of Vertebrate Paleontology*, 19(3, Supplement): 36A.

- 2003 21.4440 *Late Pleistocene Aves, Chiroptera, Perissodactyla, and Artiodactyla from Rampart Cave, Grand Canyon, Arizona.* Master's thesis, Northern Arizona University, 333 pp.

Clark, Richard Collins

- 1977 21.588 *Plant taxa in late Pleistocene artiodactyl fecal pellets, Rampart Cave, Arizona.* Master's thesis, Colorado State University, 78 pp.

Csotony, Julius

- 2021 21.8250 A Pleistocene open woodland scene from Rampart Cave in the western portion of the Grand Canyon [which] features American cheetahs (*Miracinonyx trumani*), Harrington's mountain goat (*Oreamnos harringtoni*), shasta ground sloth (*Nothrotheriops shastensis*), Stocks' vampire bats (*Desmodus stocki*), California condor (*Gymnogyps californianus*), and a woodrat (*Neotoma*). *In: Santucci, Vincent L., and Tweet, Justin S. (eds.), Grand Canyon National Park centennial paleontological resource inventory; a century of fossil discovery and research. Utah Geological Association, Special Publication 1, cover, [ii]. [Painting is a view from the mouth of Rampart Cave, with an approaching monsoon.]*

Davis, Owen K.; Agenbroad, Larry; Martin, Paul S.; AND Mead, Jim I.

- 1984 21.799 The Pleistocene dung blanket of Bechan Cave, Utah. *In: Genoways, Hugh H., and Dawson, Mary R. (eds.), Contributions in Quaternary vertebrate paleontology: A volume in memorial to John E. Guilday. Carnegie Museum of Natural History, Special Publication, 8, pp. 267-282. [See p. 273, Nothrotheriops dung from Rampart Cave illustrated.]*

Delsuc, Frédéric; Kuch, Melanie; Gibb, Gillian C.; Karpinski, Emil; Hackenberger, Dirk; Szpak, Paul; Martínez, Jorge G.; Mead, Jim I.; McDonald, H. Gregory; MacPhee, Ross D. E.; Billet, Guillaume; Hautier, Lionel; AND Poinar, Henrik N.

- 2019 21.7807 Ancient mitogenomes reveal the evolutionary history and biogeography of sloths. *Current Biology*, 29, doi:10.1016/j.cub.2019.05.043, 12 pp. + Supplementary Information online, 14 pp. [Data include Rampart Cave *Nothrotheriops shastense*.]

GRAND CANYON UNDERGROUND

Grand Canyon National Park

["Annotated mitogenomes have been deposited in GenBank: MK903494-MK903503 and the corresponding raw Illumina reads in the European Nucleotide Archives: PRJEB32380. Additional data, including capture bait sequences, alignments, and trees can be retrieved from zenodo.org (<https://doi.org/10.5281/zenodo.2658746>)."]

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Ferrell, Tom, AND Adams, Virginia

1977 3.291 Fire in a fossil cave. *In: Ideas and Trends [SECTION]. The New York Times*, (March 13), Section 4, p. 9. [Rampart Cave.]

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Gilmore, D. P.; Da Costa, C. P.; AND Duarte, D. P. F.

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Graham, Richard E.

1961 30.112 Analytical review [of "Rampart Cave coprolite and ecology of the Shasta ground sloth", by Paul S. Martin, B. E. Sabels, and D. Shutler, Jr., in *American Journal of Science*, 259: 102-127]. *Cave Notes*, 3(1) (January/February): 7-8.

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Hansen, Richard M.

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Hansen, Richard M., AND Martin, Paul S.

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Harrington, C. R. [Harrington, Charles Richard]

1972 21.1335 Extinct animals of Rampart Cave. *Canadian Geographical Journal*, 85: 178-183.

GRAND CANYON UNDERGROUND

Grand Canyon National Park

Harrington, M. R. [Harrington, Mark Raymond]

1936 21.1341 A new ground-sloth den. *The Masterkey* (Southwest Museum, Los Angeles), 10: 225-227. [Rampart Cave.]

Harris, Arthur H.

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Hibbard, Claude W.

1958 21.6083 Summary of North American Pleistocene mammalian local faunas. *Michigan Academy of Science, Arts, and Letters, Papers*, 43: 1-32. [Rampart Cave noted.]

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Hofreiter, Michael; Betancourt, Julio L.; Pelliza Sbriller, Alicia; Markgraf, Vera; AND McDonald, H. Gregory

2002 21.5471 Phylogeny, diet and habit of an extinct ground sloth from Cuchillo Curá, Neuquén Province, southwest Argentina (en: Quaternary Research. Vol.59: 364-378). *Instituto Nacional de Tecnología Agropecuaria [Argentina], Centro Regional Patagonia Norte, Estación Experimental Agropecuaria Bariloche, Comunicación Técnica 49* [ISSN 1667-4014]. [Preprint(?) of paper by Hofreiter *et al.* (2003) with title and cover sheet thus; last author's name spelled "McDonal".] [Includes notes of Rampart Cave, Grand Canyon.]

2003 21.5472 Phylogeny, diet, and habitat of an extinct ground sloth from Cuchillo Curá, Neuquén Province, southwest Argentina. *Quaternary Research*, 59: 364-378. [Includes notes of Rampart Cave, Grand Canyon.]

Hofreiter, Michael; Mead, Jim I.; Martin, Paul S.; AND Poinar, Henrik N.

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GRAND CANYON UNDERGROUND

Grand Canyon National Park

when attempted 31 March 2009, and material not located on publisher's website. Supplemental material relocated 27 June 2023, associated with online posting of the paper, [https://www.cell.com/current-biology/fulltext/S0960-9822\(03\)00642-0?returnURL=https%3A%2F%2Flinkinghub.elsevier.com%2Fretrieve%2Fpii%2FS0960982203006420%3Fshowall%3Dtrue](https://www.cell.com/current-biology/fulltext/S0960-9822(03)00642-0?returnURL=https%3A%2F%2Flinkinghub.elsevier.com%2Fretrieve%2Fpii%2FS0960982203006420%3Fshowall%3Dtrue) (Supplemental material at <https://www.cell.com/cms/10.1016/j.cub.2003.08.039/attachment/859ec2c6-ada0-43e9-a449-e0e88bd7831b/mmc1.pdf>.)

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Hunt, Adrian P., AND Lucas, Spencer G.

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Hunt, Adrian P.; Lucas, Spencer G.; AND Spielmann, Justin A.

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Laudermilk, J. D. [Laudermilk, Jerome Douglass] [Laudermilk, Jerry]

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1938 21.1833 Plants in the dung of *Nothrotherium* from Rampart and Muav Caves, Arizona. *Carnegie Institution of Washington, Publication* 487, pp. 271-281.

Linick, T. W.; Jull, A. J. T.; Toolin, L. J.; AND Donahue, D. J.

1986 21.7011 Operation of the NSF-Arizona accelerator facility for radioisotope analysis and results from selected collaborative research projects. *Radiocarbon*, 28(2A): 522-533. [See section, "Faunal Paleoextinctions" (pp. 528-531), which includes Rampart Cave and Stanton's Cave, Grand Canyon.] [National Science Foundation.]

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GRAND CANYON UNDERGROUND

Grand Canyon National Park

- 1967 21.8345 Statement of Dr. Paul S. Martin, Associate Professor of Geochronology, University of Arizona; and Chairman, Grand Canyon Study Committee, Arizona Academy of Sciences. *In: Central Arizona Project : hearings before the Subcommittee on Water and Power Resources of the Committee on Interior and Insular Affairs, United States Senate, Ninetieth Congress, First Session, on S. 1004, S. 1013, S. 861, S. 1242, and S. 1409, bills to authorize the construction, operation, and maintenance of the Central Arizona Project (Arizona-New Mexico); and Colorado River Project, and for other purposes : May 2-5, 1967.* Washington, D.C.: U.S. Government Printing Office, pp. 616-622. [Statement "as a private, informed citizen, and as a representative of the Arizona Academy of Sciences." Includes resolution and information from the study committee, appraising the "archaeological, biological, and geological resources of interest to scientists in the parts of the Grand Canyon threatened by possible impoundment."]
- 1975 21.2060 Sloth droppings. *Natural History*, 80(7) (August/September): 74-81.
- 1977 21.2061 Sloth droppings. *In: Sloan, B. (ed.), Cavers, caves, and caving.* New Brunswick, New Jersey: Rutgers University Press, pp. 255-263.
- 1978 21.2062 The equid niche in the Grand Canyon. *CoEvolution Quarterly*, (Fall): 136-137.
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- 2002 21.4521 Sanctuary of the ground sloths. *Geosciences* (University of Arizona, Department of Geosciences), 7(2) (Spring): 9. [Rampart Cave.]

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- 1959 21.2068 Paleocology of the Rampart Cave ground sloth [ABSTRACT]. *Geological Society of America, Bulletin*, 70: 1734-1735.

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- 1996 21.8044 Biogeography and paleoecology of ground sloths in California, Arizona and Nevada. *In: Reynolds, Robert E., and Reynolds Jennifer (eds.), Punctuated chaos in the northeastern Mojave Desert. San Bernardino County Museum Association Quarterly*, 43(1/2) (Winter/Spring): 61-65.

GRAND CANYON UNDERGROUND

Grand Canyon National Park

- 2003 21.3965 Sloth remains from North American caves and associated karst features. *In*: Schubert, Blaine W., Mead, Jim I., and Graham, Russell William (eds.), *Ice age cave faunas of North America*. Bloomington and Indianapolis, Indiana: Indiana University Press, and [Denver]: Denver Museum of Nature and Science, pp. 1-16.

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- 1996 21.8045 Pleistocene distribution of the ground sloth *Nothrotheriops shastensis* (Xenarthra, Megalonychidae) [ABSTRACT]. *From*: Reynolds, Jennifer (compiler), Abstracts from the 1996 Desert Research Symposium, San Bernardino County Museum, April 26-29, 1996. *In*: Reynolds, Robert E., and Reynolds Jennifer (eds.), Punctuated chaos in the northeastern Mojave Desert. *San Bernardino County Museum Association Quarterly*, 43(1/2) (Winter/Spring): 151-152.
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- 1960 21.8442 Condors of Lake Mead. *National Parks Magazine*, 34(156) (September): 8-9. [California condor remains from Rampart Cave, Grand Canyon.]

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- 2002 16.454 Digging in an elephant stable; Willis Evans, Rampart Cave, and the search for early man at Grand Canyon. *Nature Notes* (Grand Canyon National Park), (Summer): 1-3, 7, 12.

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- 1977 21.6792 C-14 dating may be wrong before 2000 B.C. *The Ministry* (Seventh-day Adventists, Ministerial Association, Washington, D.C.), 50(9) (September): 7-9. [Rampart Cave, see p. 9.] [Creationist perspective.]

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- 1938 21.2483 In the lair of a prehistoric monster; exploring the Rampart caves for traces of the giant ground sloth. *Travel*, 71 (September): 20-23+.

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- 1961 21.2509 Lamont natural radiocarbon measurements VII. *Radiocarbon*, 3(1): 141-175. [Rampart Cave.]

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- 1974 21.6073 Department of Mining and Geological Engineering, College of Mines, University of Arizona. *In*: Geology at Arizona's Universities [FEATURE]. *Field Notes* (Arizona Bureau of Mines), 4(4) (December): 3-4, 12. [See pp. 3-4, note of work on sloth dung deposits in Rampart Cave.]

GRAND CANYON UNDERGROUND

Grand Canyon National Park

Pape, Robert B.; Thomas, Donald B.; AND Aalbu, Rolf L.

- 2007 19.5477 A revision of the genus *Eschatomoxys* Blaisdell (Tenebrionidae: Pimeliinae: Edrotini) with notes on the biology. *The Coleopterists Bulletin*, 61(4): 519-540. [Includes *Eschatomoxys pholeter* Thomas and Pape, new species; holotype, allotype and paratypes from Bat Cave, Grand Canyon, and additional material from Rampart Cave ("on old sloth shit" [sic!]), Grand Canyon, and Eldel Cave, Mohave County. Includes remarks on other species from Marble Canyon.]

Rensberger, Boyce

- 1977 3.290 Fire in Grand Canyon cave perils rich source of fossils of Ice Age. *The New York Times*, (March 7): 16. [Rampart Cave.]

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- 2000 21.3718 *Ice Age ground sloths of southern Nevada*. (Illustrations by Thomas Dyer.) Henderson, Nevada: Clark County Museum, 32 pp. (Clark County Museum Occasional Paper no. 2.) [Includes Rampart Cave, Grand Canyon, Arizona.]

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- 1992 21.3719 Parasites of the extinct Shasta ground sloth, *Nothrotheriops shastensis*, in Rampart Cave, Arizona. *Journal of Parasitology*, 78(5) (October): 811-816.

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- 1977 21.8317 Statement of W. Geoffrey Spaulding, Department of Geosciences, University of Arizona. *In: Wild Free-Roaming Horses and Burros Act : hearing before the Subcommittee on Public Lands and Resources of the Committee on Energy and Natural Resources, United States Senate, Ninety-fifth Congress, First Session, on oversight of the Wild Free-Roaming Horses and Burros Act of 1971, May 23, 1977 : Publication No. 95-60*. Washington, D.C.: U.S. Government Printing Office, pp. 120-125. [Presentation of paleontological evidence from Rampart Cave, Grand Canyon, and Gypsum Cave, Nevada, with regard to the issue of the presence of Quaternary equids, in discussions of modern "feral" horses and burros.]

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U.S. National Park Service, Cave and Karst Program

- NO DATE 21.4694 *Caves and karst in the U.S. National Park Service : nationwide*. U.S. National Park Service, 1 sheet. [Poster. Includes Rampart Cave, with illustration.]

U.S. National Park Service, Grand Canyon National Park

- 1977 21.3249 *Rampart Cave sloth dung fire, 1976-1977*. U.S. National Park Service, Grand Canyon National Park, 30 pp. + photographs.

GRAND CANYON UNDERGROUND

Grand Canyon National Park

Wells, Philip V., AND Berger, Rainer

- 1967 21.6075 Late Pleistocene history of coniferous woodland in the Mohave Desert; new evidence records pluvial expansion of the pinyon-juniper zone at the close of the Wisconsin glacial. *Science*, (March 31): 1640-1647. [Includes Rampart Cave.]

Whitney, Smith, Elin

- 2008 21.4516 The evolution of an ecosystem: Pleistocene extinctions. *In*: Minai, Ali A., and Bar-Yam, Yaneer (eds.), *Unifying themes in complex systems, Volume IV : proceedings of the fourth International Conference on Complex Systems*. Berlin and Heidelberg: Springer, pp. 239-246. (New England Complex Systems Institute Book Series.) [Includes Rampart Cave.]

Wilbur, Sanford R.

- 1978 21.6084 The California condor, 1966-76: A look at its past and future. *U.S. Fish and Wildlife Service, North American Fauna*, (72), 136 pp. [Status up to the time of species-recovery plans. Includes notices of fossil occurrences at Stanton Cave and Rampart Cave.]

Wilson, Robert W.

- 1941 21.3501 Preliminary study of fauna of Rampart Cave, Arizona [ABSTRACT]. *Geological Society of America, Bulletin*, 52: 1985.
- 1942 21.3502 Preliminary study of the fauna of Rampart Cave, Arizona. *In*: Contributions to paleontology. Studies of Cenozoic vertebrates of western North America and of fossil primates. *Carnegie Institution of Washington, Publication 530*, pp. 169-185.

REX CAVE

Bodenhamer, Hans

- 1995 13.3623 Monitoring human-caused changes with visitor impact mapping. *In*: Rea, G. Thomas (proceedings ed.), *Proceedings of the 1995 National Cave Management Symposium, Spring Mill State Park, Mitchell, Indiana, October 25-28, 1995*. Indianapolis, Indiana: Indiana Karst Conservancy, Inc., pp. 28-37. [See "Using Visitor Impact Mapping to Evaluate and Compare Caves within a Region", pp. 31-33, which includes Rex Cave, Kappen Cave, and Matts Cave, all in Grand Canyon. Includes floor plans with impact data.]

ROARING SPRINGS CAVE

Drost, Charles A., AND Blinn, Dean W.

- 1995 19.2878 *Invertebrate survey of Roaring Springs Cave, Grand Canyon National Park, September 1994*. [Flagstaff, Arizona: Northern Arizona University], for U.S. National Park Service, Denver Service Center, 13 pp. (Work Order 1443PX200094183.)
- 1997 19.572 Invertebrate community of Roaring Springs Cave, Grand Canyon National Park, Arizona. *Southwestern Naturalist*, 42(4): 497-500.

GRAND CANYON UNDERGROUND

Grand Canyon National Park

Peck, Stewart Blaine

- 1973 19.1294 A systematic revision and the evolutionary biology of the *Ptomaphagus* (*Adelops*) beetles of North America (Coleoptera; Leiodidae; Catopinae), with emphasis on cave-inhabiting species. *Museum of Comparative Zoology, Bulletin*, 145(2): 29-162. [See p. 106, *P. cocytus*, new species, and related figures throughout; type from Roaring Springs Cave.]

Seagle, Edward F.

- 1935 21.2900 Exploration of Roaring Springs Cave. *Grand Canyon Nature Notes*, 9(12): 391-394.
- 1993 21.6439 Exploration of Roaring Springs Cave. *Journal of Spelean History* (American Spelean History Association [National Speleological Society, History Section]), 27(2) (April/June): 41-42. [Reprinted from Seagle (1935); "submitted by Dr. William R. Halliday".]

Snow, Tim K.; Castner, Shawn V.; AND Noel, Debra C.

- 1994 19.4220 Bat survey of Roaring Springs Cave (Coconino County, Arizona). *Arizona Game and Fish Department, Nongame and Endangered Wildlife Program, Technical Report 58*, 7 pp.

Wang, Daqing, AND Holsinger, John R.

- 2001 19.6589 Systematics of the subterranean amphipod genus *Stygobromus* (Crangonyctidae) in western North America, with emphasis on species of the *hubbsi* group. *Amphipacifica* (Journal of Aquatic Systematic Biology), 3(2) (November 15): 39-147. [Includes *Stygobromus blinni*, new species (pp. 74-76, figure 21); female holotype and two female paratypes from "Roaring Springs Cave, on the north rim of the Grand Canyon near Bright Angel Trail and Bright Angel Creek" [*sic*] (p. 74), "about 1.6 km inside the cave" (p. 76); collected by Dean Blinn, 28 September 1994.]

SANDBLAST CAVE

Fox-Dobbs, Kena; Tidham, Thomas A.; Bowen, Gabriel J.; AND Emslie, Steven D.

- 2006 21.7291 Dietary controls on extinction versus survival among avian megafauna in the late Pleistocene. *Geology*, 34(8) (August): 685-688 + Data Repository item 2006138, 5 pp. [Study sites include Shrine Cave and Sandblast Cave, Grand Canyon.]

SHINUMO caves

Heimel, Sierra M.; Blicht, William; Tobin, Benjamin; AND Burger, Paul

- 2021 21.8335 A geospatial analysis of speleogenesis: Using passage morphology and resource inventory data to quantify controls on cave formation [ABSTRACT]. *Geological Society of America, Abstracts with Programs*, 53(6): Abstract 121-7, doi:10.1130/abs/2021AM-367165. [Shinumo cave system in the Redwall Limestone at Grand Canyon National Park.]

GRAND CANYON UNDERGROUND

Grand Canyon National Park

SHRINE CAVE

Fox-Dobbs, Kena; Tidham, Thomas A.; Bowen, Gabriel J.; AND Emslie, Steven D.

2006 21.7291 Dietary controls on extinction versus survival among avian megafauna in the late Pleistocene. *Geology*, 34(8) (August): 685-688 + Data Repository item 2006138, 5 pp. [Study sites include Shrine Cave and Sandblast Cave, Grand Canyon.]

SILENT RIVER CAVE

Mowat, George D.

1960 21.2424 A magnesium-bearing speleothem from Silent River Cave, Grand Canyon, Arizona. *Cave Notes*, 2(4): 18-19.

1960 21.2425 Gypsum in Silent River Cave. *Cave Notes*, 2(4): 25-26.

SKULL CAVE

Lane, Gregory T.

1967 21.18585 ARA meeting. *NSS News* (National Speleological Society), 25(3) (March): 25, 43. [Meeting of Arizona Regional Association (of National Speleological Society) "at Vasey's Paradise", Thanksgiving weekend 1966. Skull Cave mapped; Falls Cave visited.]

STANTON'S CAVE

Stanton's Cave is probably the best-known of Grand Canyon's caves. Despite the more remote Rampart Cave's early fame following its public revelations beginning in the 1930s, Stanton's Cave is seen yearly by thousands of boaters on the Colorado River, and it can be seen also by occasional hikers who make their ways into the more remote sections of Marble Canyon. It is gated and not open to general visitation, to protect its cultural and paleontological artifacts as well as the bat colony that calls it home. Stanton's Cave takes its name from the fact that the Colorado River expedition under Robert Brewster Stanton cached its boats and supplies here in 1889 after three men drowned in the river. It was an expedition to photographically document the proposed route of the Denver, Colorado Cañon & Pacific Railroad, the president of which was one of the fatalities. In 1890, Stanton and company returned to continue the trip through the Grand Canyon and down the lower Colorado River. In the 1930s the first split-twig figurines were discovered here, made by Indigenous peoples of centuries past; and subsequent studies also found fossils of birds, other animals, and plants that record the changing environments of the Grand Canyon during the late Pleistocene "ice age"

GRAND CANYON UNDERGROUND

Grand Canyon National Park

and afterward. The cave even stored the evidence of driftwood from monumental floods that once had rushed down the Colorado.

Anonymous

- 1966 16.6 Split-twig figurines found by the CAG. *Cave Crawler's Gazette*, 7(4):. [Stanton's Cave.]
- 2002 19.2954 The North American Bat Conservation Partnership. *Bats*, 20(2) (Summer/Fall): 31. [Includes photographs of installation of bat gate on Stanton Cave.]

Bartos, Frances Maribel

- 1972 21.6018 *Pollen in fecal pellets as an environmental indicator*. Master's thesis, University of Arizona, 94 pp. [Grand Canyon collections include Stanton's Cave, Buck Farm Canyon, and rim of Fossil Bay.]

Brown, R. H.

- 1973 21.6069 Radiocarbon's unexpected evidence. *Signs of the Times* (Seventh-day Adventists, Mountain View, California), 100(6) (June): 10-11, 29, 32. [See p. 10, note, *in passing*, of driftwood buried in basal deposits inside Stanton's Cave. Creationist perspective.]

Carpenter, Mary C.

- 2002 21.3805 *Vulpes vulpes* (red fox) remains from Stanton's Cave, Arizona: first known record from the Grand Canyon [ABSTRACT]. *Journal of Vertebrate Paleontology*, 22(3, Supplement): 41A.

Collin, Yvette Running Horse

- 2017 16.1507 *The relationship between the Indigenous peoples of the Americas and the horse: Deconstructing a Eurocentric myth*. Doctoral dissertation, University of Alaska, Fairbanks, 230 pp. [p. 230 is blank]. [See pp. 141-143, regarding split-twig figurines from "Stanton's Cave in New Mexico" (*sic*), which the author argues the case that they represent horses.]

Currie, Robert R., AND Petterson, Jim

- 1997 19.3921 Protecting Stanton's Cave [ABSTRACT]. *In*: Stitt, Robert R. (ed.), *Proceedings of the 1997 Karst and Cave Management Symposium, 13th National Cave Management Symposium, Bellingham, Washington, and Chilliwack and Vancouver Island, BC, Canada, October 7-10, 1997*, p. 55.

Dryer, James D.

- 1994 21.4467 *Late Pleistocene vegetation change at Stanton's Cave, Colorado River, Grand Canyon National Park, Arizona*. Master's thesis, Northern Arizona University, 102 pp.

Elston, Donald P.

- 1984 21.958 Polarity of river-flood silt in Stanton's Cave, Marble Canyon, Arizona. *In*: Euler, Robert C. (ed.), *The archaeology, geology, and paleobiology of Stanton's Cave, Grand*

GRAND CANYON UNDERGROUND

Grand Canyon National Park

Canyon National Park, Arizona. *Grand Canyon Natural History Association, Monograph 6*, pp. 107-112.

Euler, Robert C. [Euler, Bob]

- 1978 16.129 Archaeological and paleobiological studies at Stanton's Cave, Grand Canyon National Park, Arizona—a report of progress. *National Geographic Society, Research Reports, 1969 Projects*, pp. 141-162.
- 1984 16.139 (ED.) The archaeology, geology, and paleobiology of Stanton's Cave, Grand Canyon National Park, Arizona. *Grand Canyon Natural History Association, Monograph 6*, 141 pp.

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Anonymous

- 1986 30.23 [Review of "The archaeology, geology, and paleobiology of Stanton's Cave", edited by Robert C. Euler.] *Earth Science* (American Geological Institute), 39 (Summer): 33-34.

Adovasio, J. M.

- 1986 30.1524 "The Archaeology, Geology, and Paleobiology of Stanton's Cave, Grand Canyon National Park, Arizona." Robert C. Euler, editor. *In*: Sullivan, Alan P. (ed.), *Reviews* [SECTION]. *Kiva: Journal of Southwestern Anthropology and History*, 51(4): 265-.

Phillips, David A., Jr.

- 1987 30.418 "The Archaeology, Geology, and Paleobotany of Stanton's Cave: Grand Canyon National Park, Arizona", Robert C. Euler, ed. *American Antiquity*, 52(1) (January): 208.

- 1984 16.140 Introduction. *In*: Euler, Robert C. (ed.), *The archaeology, geology, and paleobiology of Stanton's Cave, Grand Canyon National Park, Arizona. Grand Canyon Natural History Association, Monograph 6*, pp. 1-6.
- 1984 16.141 The archaeology of Stanton's Cave. *In*: Euler, Robert C. (ed.), *The archaeology, geology, and paleobiology of Stanton's Cave, Grand Canyon National Park, Arizona. Grand Canyon Natural History Association, Monograph 6*, pp. 7-32.
- 1984 16.142 Conclusions. *In*: Euler, Robert C. (ed.), *The archaeology, geology, and paleobiology of Stanton's Cave, Grand Canyon National Park, Arizona. Grand Canyon Natural History Association, Monograph 6*, pp. 139-141.

Ferguson, C. W.

- 1971 21.1042 Tree-ring dating of Colorado River driftwood in the Grand Canyon. *Hydrology and Water Resources in Arizona and the Southwest*, 1: 351-366.
- 1984 21.1043 Dendrochronology of driftwood from Stanton's Cave. *In*: Euler, Robert C. (ed.), *The archaeology, geology, and paleobiology of Stanton's Cave, Grand Canyon National Park, Arizona. Grand Canyon Natural History Association, Monograph 6*, pp. 93-98.

Harrington, C. R. [Harrington, Charles Richard]

- 1984 16.194 Ungulate remains from Stanton's Cave: An identification list. *In*: Euler, Robert C. (ed.), *The archaeology, geology, and paleobiology of Stanton's Cave, Grand Canyon National Park, Arizona. Grand Canyon Natural History Association, Monograph 6*, pp. 67-75.

GRAND CANYON UNDERGROUND

Grand Canyon National Park

Harrington, C. R. [Harrington, Charles Richard]

- 1984 21.1336 Ungulate remains from Stanton's Cave: An identification list. *In:* Euler, Robert C. (ed.), The archaeology, geology, and paleobiology of Stanton's Cave, Grand Canyon National Park, Arizona. *Grand Canyon Natural History Association, Monograph 6*, pp. 67-75.

Hassemer, Jerry

- 1966 21.1352 Stanton's Cave, Coconino County, Arizona. *Cave Crawler's Gazette*, 7: 55-56.
- 1992 21.1353 Underwater deposits in a Grand Canyon cave. *Rocky Mountain Caving*, 9(2): 19.

Hereford, Richard

- 1984 21.1403 Driftwood in Stanton's Cave: The case for temporary damming of the Colorado River at Nankoweap Creek in Marble Canyon, Grand Canyon National Park, Arizona. *In:* Euler, Robert C. (ed.), The archaeology, geology, and paleobiology of Stanton's Cave, Grand Canyon National Park, Arizona. *Grand Canyon Natural History Association, Monograph 6*, pp. 99-106.

Hevly, Richard H.

- 1984 21.1409 Macroscopic plant materials from Stanton's Cave, Arizona. *In:* Euler, Robert C. (ed.), The archaeology, geology, and paleobiology of Stanton's Cave, Grand Canyon National Park, Arizona. *Grand Canyon Natural History Association, Monograph 6*, pp. 33-46.

Hodnett, John-Paul M.; Mead, Jim; White, Richard; AND Carpenter, Mary

- 2010 21.7697 *Miracinonyx trumani* (Carnivora: Felidae) from the Rancholabrean of Grand Canyon, Arizona and its implications for the ecology of the "American cheetah" [ABSTRACT]. *In: Program and abstracts : 70th Anniversary Meeting, Society of Vertebrate Paleontology : David L. Lawrence Convention Center, East Lobby and Westin Convention Center Pittsburgh, Pittsburgh, Pennsylvania USA, October 10-13, 2010*, p. 106A. [Remains noted from Rampart Cave, Next Door Cave, and Stanton's Cave.]

Hodnett, John-Paul M.; White, Richard S.; Carpenter, Mary; Mead, Jim I.; AND Santucci, Vincent L.

- 2022 21.8450 *Miracinonyx trumani* (Carnivora; Felidae) from the Rancholabrean of the Grand Canyon, Arizona and its implications for the ecology of the "American cheetah". *In:* Morgan, Gary S., Baskin, Jon A., Czaplewski, Nicholas J., Lucas, Spencer G., McDonald, H. Gregory, Mead, Jim I., White, Richard S., Jr., and Lichtig, Asher J. (eds.), Late Cenozoic vertebrates from the American Southwest: A tribute to Arthur H. Harris. *New Mexico Museum of Natural History and Science, Bulletin 88*, pp. 157-186. [Remains described from Rampart Cave, Next Door Cave, and Stanton's Cave.]

Iberall, Eleanora Roberta see also Robbins, Eleanora I.

- 1972 21.1562 *Paleoecological studies from fecal pellets: Stanton's Cave, Grand Canyon, Arizona*. Master's thesis, University of Arizona, 67 pp.

Kennedy, Jim

- 1997 19.3920 BCI's North American Bat Conservation Partnership: Cooperative aid for bat cave management. *In:* Stitt, Robert R. (ed.), *Proceedings of the 1997 Karst and Cave*

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Grand Canyon National Park

Management Symposium, 13th National Cave Management Symposium, Bellingham, Washington, and Chilliwack and Vancouver Island, BC, Canada, October 7-10, 1997, pp. 98-108. [Bat Conservation International.] [Stanton's Cave, pp. 99-100.]

King, Mary Elizabeth

- 1971 21.5733 (ED.) Current research [SECTION]. *American Antiquity*, 36(2) (April): 233-245. [See p. 234, note of field work by Prescott College archaeologists and biologists from University of Arizona and Museum of Northern Arizona in late Pleistocene deposits of Stanton's Cave, Grand Canyon.]

Leslie, Elaine

- 2004 19.2453 The big-eared bats of Stanton's Cave. *Nature Notes* (Grand Canyon National Park), (Spring): 10-11. [Stanton's Cave.]

Linick, T. W.; Jull, A. J. T.; Toolin, L. J.; AND Donahue, D. J.

- 1986 21.7011 Operation of the NSF-Arizona accelerator facility for radioisotope analysis and results from selected collaborative research projects. *Radiocarbon*, 28(2A): 522-533. [See section, "Faunal Paleoextinctions" (pp. 528-531), which includes Rampart Cave and Stanton's Cave, Grand Canyon.] [National Science Foundation.]

Locke, Robert

- 2010 19.4933 Succeeding together; BCI and the National Park Service build on years of cooperation. *Bats* (Bat Conservation International, Austin, Texas), 28(3) (Fall): 2-5. [Regarding the installation of bat-friendly gates in mine and cave entrances. Includes Last Chance Mine and Stanton's Cave in Grand Canyon National Park.]

Martin, Paul S.

- 1984 21.2063 Stanton's Cave during and after the last ice age. *In*: Euler, Robert C. (ed.), *The archaeology, geology, and paleobiology of Stanton's Cave, Grand Canyon National Park, Arizona. Grand Canyon Natural History Association, Monograph 6*, pp. 131-137.

Miller, Robert Rush, AND Smith, Gerald R.

- 1984 21.2375 Fish remains from Stanton's Cave, Grand Canyon of the Colorado, Arizona, with notes on the taxonomy of *Gila cypha*. *In*: Euler, Robert C. (ed.), *The archaeology, geology, and paleobiology of Stanton's Cave, Grand Canyon National Park, Arizona. Grand Canyon Natural History Association, Monograph 6*, pp. 59-65.

Olsen, John W., AND Olsen, Stanley J.

- 1984 16.300 Zooarchaeological analysis of small vertebrates from Stanton's Cave, Arizona. *In*: Euler, Robert C. (ed.), *The archaeology, geology, and paleobiology of Stanton's Cave, Grand Canyon National Park, Arizona. Grand Canyon Natural History Association, Monograph 6*, pp. 47-57.

Parmalee, Paul W.

- 1969 21.2537 California condor and other birds from Stanton's Cave, Arizona. *Arizona Academy of Science, Journal*, 5: 204-206.

GRAND CANYON UNDERGROUND

Grand Canyon National Park

Quinn, Michael, AND Petterson, Jim

- 1997 19.1351 From railroads to roosts; bats regain a foothold in the Grand Canyon. *Nature Notes* (Grand Canyon National Park), 13(3) (Fall): 1-2. [Stanton's Cave.]
- 1997 19.2535 A grand effort in the Grand Canyon; after years of luring curious explorers, a historic cave is reclaimed for the big-eared bats who need it most. *Bats Magazine*, 15(3) (Fall): 4-7. [Stanton's Cave.]

Rea, Amadeo M., AND Hargrave, Lyndon L.

- 1984 21.2703 The bird bones from Stanton's Cave. *In*: Euler, Robert C. (ed.), The archaeology, geology, and paleobiology of Stanton's Cave, Grand Canyon National Park, Arizona. *Grand Canyon Natural History Association, Monograph 6*, pp. 77-91.

Reilly, P. T. [Reilly, Plez Talmadge]

- 1967 21.2736 The pirated spring at Stanton's Cave. *Caves and Karst*, 9(1) (January/February): 5.

Robbins, Eleanora I.; Martin, Paul S.; AND Long, Austin

- 1984 21.2778 Paleocology of Stanton's Cave, Grand Canyon, Arizona. *In*: Euler, Robert C. (ed.), The archaeology, geology, and paleobiology of Stanton's Cave, Grand Canyon National Park, Arizona. *Grand Canyon Natural History Association, Monograph 6*, pp. 115-130.

Schroedl, Alan R.

- 1977 16.328 The Grand Canyon figurine complex. *American Antiquity*, 42(2) (April): 254-265.

Schwartz, Douglas W.; Lange, Arthur L.; AND deSaussure, Raymond

- 1958 16.347 Split-twig figurines in the Grand Canyon. *American Antiquity*, 23(3) (January): 264-274.

U.S. Geological Survey

- 1978 21.5987 Geology contributes to archaeology and climate studies in northeast Arizona. *In*: Geological Survey research 1978. *U.S. Geological Survey, Professional Paper 1100*, p. 268. [Includes note of Stanton's Cave, Marble Canyon.]

Vlock, Sandra

- 1997 28.346 [Drawings throughout issue.] *Boatman's Quarterly Review*, 10(1). [Issue "Winter 1996-1997" mailed February 1997. See: "Nankoweap Faces" (p. 4), "Red Wall Cavern" (p. 11), "Nankoweap Man" (p. 12), "Desert Varnish Tapeats" (p. 13), "South Canyon Stanton's Cave" (p. 22), "First Camp" (p. 27), "Nankoweap Canyon Factor's Point" (p. 54), and other miscellaneous "filler" sketches (pp. 6-8, 10).]

Walker, Steven M.

- 2002 19.3307 Cave gating partnerships: Success through careful planning and coordination. *In*: Vories, Kimery C., and Throgmorton, Dianne (eds.), *Proceedings of Bat Gate Design: A Technical Interactive Forum held March 4-6, 2002, at the Red Lion Hotel, Austin, Texas*. Alton, Illinois: U.S. Department of Interior, Office of Surface Mining, and Carbondale, Illinois: Coal Research Center, Southern Illinois University, unpaginated [pp. 117-120 as counted from cover]. [Includes notice of Stanton's Cave.]

GRAND CANYON UNDERGROUND

Grand Canyon National Park

Ware, John

- 2019 16.1386 Stanton's Cave: Another important Grand Canyon anniversary. *Boatman's Quarterly Review*, 32(3) (Fall): 9-11. [50th anniversary of the Stanton's Cave archaeological and paleobiological expedition under Robert C. Euler and Bruce Harrill.]

Wheeler, S. M.

- 1949 16.402 More about split-twigg figurines. *The Masterkey* (Southwest Museum, Los Angeles), 23(5): 153-158.

Wilbur, Sanford R.

- 1978 21.6084 The California condor, 1966-76: A look at its past and future. *U.S. Fish and Wildlife Service, North American Fauna*, (72), 136 pp. [Status up to the time of species-recovery plans. Includes notices of fossil occurrences at Stanton Cave and Rampart Cave.]

TAPEATS CAVE

Sasowski, Ira

- 1987 2.20981 Caving adventure. *P.B.S.S. Spylunk* (National Speleological Society, Permian Basin Speleological Society Grotto, Texas), 4(3) (May/June): 4. [Aborted attempt to raft in Thunder River Cave and Tapeats Cave. Also "hitchhiked" with a commercial group on the Colorado River from Tapeats Creek to Deer Creek, stopping to see Christmas Tree Cave.]

Seeley, Tim, AND Patterson, Russell

- 2005 2.12255 Trip talk: Tapeats Cave. *The Rambler* (Wasatch Mountain Club, Salt Lake City), 84(9) (September): 12-13. [Exploration of Tapeats Cave in a raft.]

THUNDER RIVER CAVE

Baxandall, Lee

- 1998 9.1585 *Lee Baxandall's world guide to nude beaches and resorts*. (Ruth A. Percey, sites compiler; Lee Baxandall, photo and sites ed.) Oshkosh, Wisconsin: N Editions, 16, 272 pp. [Grand Canyon not included in text but Grand Canyon locales are illustrated in several photos by Jerry Derbyshire that also depict unclothed visitors, including p. 18, view from inside entrance of Thunder River Cave. Photo legends are parallel to and in the tight binding edge of each page, sometimes requiring a gentle force to see into this space.] [**NOTE**: Publication contains material for mature audience (nudity).]

Cates, Jeannie

- 2005 2.12331 Birmingham Grotto meeting minutes, September 1, 2005. *Birmingham Grotto Newsletter* (National Speleological Society, Birmingham Grotto, Birmingham, Alabama), 35(10) (October): 107. [See under "Trip Reports", a notice without further information: "David Caudle and Mike McEachern went to the Grand Canyon to Lava River Cave". Probably Thunder River(?) and not Lava River Cave near Flagstaff.]

GRAND CANYON UNDERGROUND

Grand Canyon National Park

Gertsch, Willis J., AND Ennik, Franklin

- 1983 19.5009 The spider genus *Loxosceles* in North America, Central America, and the West Indies (Araneae, Loxoscelidae). *American Museum of Natural History, Bulletin*, 175 (Article 3): 264-360. [See *Loxosceles kaiba*, new species, p. 303, Map 4 (p. 295), Figures 110-113 (p. 299), Figure 133 (p. 300). [The specific epithet, *kaiba* [sic], is named "for Kaibab Plateau on north face of Grand Canyon" (p. 303). Holotype male, and female and immature specimens "from Thunder Cave" (Thunder River Cave). Also referred material from Cameron Cave, Grand Canyon National Park.]

Sasowski, Ira

- 1987 2.20981 Caving adventure. *P.B.S.S. Spylunk* (National Speleological Society, Permian Basin Speleological Society Grotto, Texas), 4(3) (May/June): 4. [Aborted attempt to raft in Thunder River Cave and Tapeats Cave. Also "hitchhiked" with a commercial group on the Colorado River from Tapeats Creek to Deer Creek, stopping to see Christmas Tree Cave.]

TSE'AN BIDA

Ballensky, Jason

- 2016 21.7190 Survey of caves in Grand Canyon, Arizona [ABSTRACT]. *In: National Speleological Society : 2016 NSS Convention program guide : Ely, Nevada, July 18-22, 2016*. Huntsville, Alabama: National Speleological Society, p. 100. [Brief. Noting passage lengths of cave surveys in the "Grand Canyon area": Double Bopper Cave ("the longest and deepest cave in Arizona"), Leandras Cave, Falls Cave, Tse'an Bida, and Hogwarts Cave.]

TSE'AN CHO

Triplehorn, Charles A.

- 1975 19.1697 A subgenus of *Eleodes* with three new cave-inhabiting species (Coleoptera: Tenebrionidae). *The Coleopterists Bulletin*, 29(1): 39-43. [New species from Grand Canyon.] ["Types: holotype (female) and 2 paratypes: Arizona: Coconino County, **Cave of Domes [Cave of the Domes, Horseshoe Mesa]**, 16-X-1953; 1 paratype, same data except 14-X-1954; 2 paratypes, Coconino County, **Cave 68-Olje [Tse'an Olje, Cremation Canyon]**, 14-X-1954; 1 paratype, Coconino County, **Tse-an-cho [Tse'an Cho, Horseshoe Mesa]**, 7-XI-1953. Holotype (USNM #73090) and paratypes in United States National Museum; paratypes in The Ohio State University Collection of Insects and Spiders. The following information on cave locations was supplied by Paul S. Bartholomew in 1957: Cave of Domes and Tse-an-Cho are both caves on Horseshoe Mesa, about 12 miles east of South Village, which is on the south rim of the Grand Canyon; Cave 68-Olje (also called Tse-an-Olje) is a cave east of South Village [Grand Canyon village]; the 3 caves are at approximately 4500 feet elevation (T. J. Spilman, in litt.)."]

GRAND CANYON UNDERGROUND

Grand Canyon National Park

TSE'AN KAETAN

Farmer, Malcolm F., AND deSaussure, Raymond

1955 16.172 Split twig figurines. *Plateau*, 17(4): 13-14.

Harris, Arthur H.

1990 21.6061 Fossil evidence bearing on southwestern mammalian biogeography. *Journal of Mammalogy*, 71(2): 219-229. [Study sites include in Grand Canyon: Rampart Cave, Cylinder Cave, Tse'an Kaetan, Tse'an Olje.]

Schroedl, Alan R.

1977 16.328 The Grand Canyon figurine complex. *American Antiquity*, 42(2) (April): 254-265.

Schwartz, Douglas W.; Lange, Arthur L.; AND deSaussure, Raymond

1958 16.347 Split-twig figurines in the Grand Canyon. *American Antiquity*, 23(3) (January): 264-274.

Wheeler, S. M.

1949 16.402 More about split-twig figurines. *The Masterkey* (Southwest Museum, Los Angeles), 23(5): 153-158.

TSE'AN MORIA

Polyak, Victor J., AND Smith, Fred G.

2018 21.8355 Using multicollector ICP-MS with a desolvating nebulizer accessory for stable and radiogenic isotope ratio measurements of speleothem and marine coral samples. *Teledyne CETAC Technologies Application Note* (Omaha, Nebraska), AN-Aridus3-001, 4 pp. [Inductively coupled plasma mass spectrometry using a ThermoFisher Scientific Neptune with a Teledyne CETAC Technologies Aridus3 desolvating nebulizer system. Sample types include uranium-thorium analysis of cave moonmilk from Tse'an Moria, Grand Canyon (see pp. 2, 3).]

TSE'AN OLJE

Harris, Arthur H.

1990 21.6061 Fossil evidence bearing on southwestern mammalian biogeography. *Journal of Mammalogy*, 71(2): 219-229. [Study sites include in Grand Canyon: Rampart Cave, Cylinder Cave, Tse'an Kaetan, Tse'an Olje.]

Triplehorn, Charles A.

1975 19.1697 A subgenus of *Eleodes* with three new cave-inhabiting species (Coleoptera: Tenebrionidae). *The Coleopterists Bulletin*, 29(1): 39-43. [New species from Grand Canyon.] ["Types: holotype (female) and 2 paratypes: Arizona: Coconino County, **Cave of Domes [Cave of the Domes, Horseshoe Mesa]**, 16-X-1953; 1 paratype, same data except 14-X-1954; 2 paratypes, Coconino County, **Cave 68-Olje [Tse'an**

GRAND CANYON UNDERGROUND

Grand Canyon National Park

Olje, Cremation Canyon], 14-X-1954; 1 paratype, Coconino County, **Tse-an-cho [Tse'an Cho, Horseshoe Mesa]**, 7-XI-1953. Holotype (USNM #73090) and paratypes in United States National Museum; paratypes in The Ohio State University Collection of Insects and Spiders. The following information on cave locations was supplied by Paul S. Bartholomew in 1957: Cave of Domes and Tse-an-Cho are both caves on Horseshoe Mesa, about 12 miles east of South Village, which is on the south rim of the Grand Canyon; Cave 68-Olje (also called Tse-an-Olje) is a cave east of South Village [Grand Canyon village]; the 3 caves are at approximately 4500 feet elevation (T. J. Spilman, in litt.)."]

TSE'AN SHA

Farmer, Malcolm F., AND deSaussure, Raymond

1955 16.172 Split twig figurines. *Plateau*, 17(4): 13-14.

Schroedl, Alan R.

1977 16.328 The Grand Canyon figurine complex. *American Antiquity*, 42(2) (April): 254-265.

Schwartz, Douglas W.; Lange, Arthur L.; AND deSaussure, Raymond

1958 16.347 Split-twig figurines in the Grand Canyon. *American Antiquity*, 23(3) (January): 264-274.

VULTURE CAVE

Mead, Jim I., AND Phillips, Arthur M., III

1978 21.2322 The late Pleistocene flora and fauna from Vulture Cave, Grand Canyon, Arizona [ABSTRACT]. *American Quaternary Association, National Conference, Abstracts*, (5): 223.

1981 21.2323 The Late Pleistocene and Holocene fauna and flora of Vulture Cave, Grand Canyon, Arizona. *Southwestern Naturalist*, 26: 257-288.

WHITE CAVE

Farmer, Malcolm F., AND deSaussure, Raymond

1955 16.172 Split twig figurines. *Plateau*, 17(4): 13-14.

Schroedl, Alan R.

1977 16.328 The Grand Canyon figurine complex. *American Antiquity*, 42(2) (April): 254-265.

Schwartz, Douglas W.; Lange, Arthur L.; AND deSaussure, Raymond

1958 16.347 Split-twig figurines in the Grand Canyon. *American Antiquity*, 23(3) (January): 264-274.

GRAND CANYON UNDERGROUND

Grand Canyon National Park

Wheeler, S. M.

- 1949 16.402 More about split-twig figurines. *The Masterkey* (Southwest Museum, Los Angeles), 23(5): 153-158.
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SPECIFIC CAVES NOTED, BUT NOT IDENTIFIED IN PUBLICATION

Anonymous

- 1928 3.81 Utah and Nevada in the news. *The New York Times*, (May 27): Section 3, p. 4. [Discovery of cave in ". . . the Utah end of the Grand Canyon"; Roaring Springs Canyon.]
- 1999 19.2956 North American Bat Conservation Partnership. *In*: BCI Highlights [SECTION]. *Bats Magazine*, 17(1) (Spring). [Notice of survey of a Mexican free-tailed bat cave in Grand Canyon; cave not specified.]

Carpenter, Mary C., AND Mead, Jim I.

- 2000 21.3664 A mummified canid from a cave in the Grand Canyon, Arizona [ABSTRACT]. *In*: Abstracts of papers; Sixtieth Annual Meeting, Society of Vertebrate Paleontology, Fiesta Americana Reforma Hotel, Mexico City, Mexico, October 25-28, 2000. *Journal of Vertebrate Paleontology*, 20(3, Supplement): 33A.

Gibson, Karen

- 2004 6.1114 Flight of passage; bird preservation has taken big steps forward, thanks to one young California condor. *Boys' Life*, 94(8) (August): 10. [Condor 305 took flight from a Grand Canyon cave.]

Howe, R. J.

- 2020 19.6490 Hand-winged dreams. *The Gulch* (Durango, Colorado), (13) (Summer): 34-41. [Bats. See photo: "Mexican free-tailed bats have occupied this cave in the Grand Canyon for the past 12,000 years. Here, a researcher carefully moves through total darkness into a heavily populated area." (pp. 40-41, photo by Stephen Eginore).]

Mikesic, David G., AND Chambers, Carol

- 2004 21.4615 Return of the bat mummy; a desert cave preserves a 10,000-year-old spotted bat. *Bats*, 22(4) (Winter): cover, inside front cover, 8-11. [Article includes information on modern bats of Grand Canyon. This cave location not identified, but apparently in Marble-Grand Canyon area.]

Montgomery, Kathy, and Ward, Sam

- 2024 21.8474 To the bat cave!!! The Grand Canyon is best known for its broad panoramas, billion-year-old geology and backcountry adventure. Caves aren't on that list, but one cave in particular is about to make headlines—it contains something so rare that nothing like it has ever been seen anywhere else in the world. *Arizona Highways*, 100(1) (January): 38-43. [Sam Ward's illustrations are paintings. The cave, "in a remote

GRAND CANYON UNDERGROUND

Grand Canyon National Park

area of Grand Canyon National Park”, was discovered by Jason Ballensky. It contains the well-preserved remains of bats that died between a century and more than 50,000 years ago.]

O’Rourke, Mary Kay, AND Mead, Jim I.

- 1985 21.2512 Late Pleistocene and Holocene pollen records from two caves in the Grand Canyon of Arizona, USA. *In*: Jacobs, Bonnie F.; Fall, Patricia L.; and Davis, Owen K. (eds.), Late Quaternary vegetation and climates of the American Southwest. *American Association of Stratigraphic Palynologists, Contributions Series*, (16): 169-185.

Shelley, Rowland M.

- 2001 19.6061 A synopsis of the milliped genus *Aniulus* Chamberlin (Julida: Parajulidae: Parajulinae: Aniulini). *In*: Reddell, James R., and Cokendolpher, James C. (eds.), Studies on the cave and endogean fauna of North America. III. *Texas Memorial Museum, Speleological Monographs*, (5): 73-95. [See *Aniulus paiutus* (Chamberlin) (pp. 79-81); specimens examined include one male, three females from “outside North Rim Grand Canyon Nat. Pk.”, collected 26 August 1993.]

GRAND CANYON CAVES GENERALLY

Anonymous

- 1959 21.41 Activities. *Cave Notes*, 1(6): 27. [Report on Grand Canyon cave studies begun in 1953 and continued through 1959, with a list of publications.]
- 1999 21.3867 GRCA—Grand Canyon National Park. *Inside Earth* (U.S. National Park Service, Cave and Karst Programs), 2(1) (Spring): 2. [“With support from the Division, noted speleologist and co-author of *Cave Minerals of the World*, Carol Hill started a study of the minerals of the caves of the Grand Canyon. Ms Hill’s work is focused on determining the role of various ore bodies present in the canyon’s geologic strata on the speleogenesis of the caves.” (ENTIRE ITEM)]
- 2005 19.2935 Summary of the special session cave resource management [*sic*], 8th Biennial Conference for Research on the Colorado Plateau, Flagstaff, Arizona. *Arizona Bat Resource Group Newsletter*, (Winter): 8.
- 2017 2.27298 Spring programs at the Nature Center. *Nature’s Grapevine* (New Jersey Department of Environmental Protection, Division of Parks and Forestry, Washington Crossing State Park), (Spring): 6. [Includes notice of presentation by Robyn Henderek, “former cave paleontologist for [Grand Canyon National Park], on “Caves of the Grand Canyon”.]
- 2019 21.8276 The NSS Webinar Series: Grand Canyon’s Double Bopper Cave reaches 40 miles long, presented by: Beth Cortright. *The River City Caver* (National Speleological Society, River City Grotto, Jacksonville, Florida), (March): [2]. [Notice includes link to view webinar videos at <https://caves.org/webinars/index-8.shtml#Bopper>. That web page links to the video, “Grand Canyon’s Double Bopper Cave System Reaches 40 Miles (Part 2)” by Beth Cortright, <https://caves.org/webinars/Double%20Bopper%202-1.mp4> (1:16:25). **(Part 1 is “Salt, Smoke, and Sketchy Slopes: 11 Miles of New Survey in Grand Canyon Caves” by Beth Cortright (58:17),** <https://caves.org/webinars/Double%20Bopper%201-1.mp4>.]

GRAND CANYON UNDERGROUND

Grand Canyon National Park

Arpin, Sarah M.; Tobin, Benjamin W.; AND Szukalski, Bernard

- 2019 13.4629 Spatial, tabular, and archival data: Toward a new model of data integration [ABSTRACT]. *Geological Society of America, Abstracts with Programs*, 51(5): Paper No. 177-5 (<https://gsa.confex.com/gsa/2019AM/meetingapp.cgi/Paper/333338>). [Grand Canyon Cave Database is used as a test case in resource management, "integrating varying types of existing data while also incorporating newly collected data".]

Baker, Sandi; Cottle, Ernie; Lafeaver, Katie; Shaw, Brennen; AND Bodenhamer, Hans

- 2011 13.4020 Representing, classifying, and monitoring in-cave features with GIS; methods used by the Bigfork High School Cave Club of northwest Montana. *In*: Stratford, Valerie (proceedings ed.), *Proceedings of the 20th National Cave and Karst Management Symposium, Midway, Utah, October 3-7, 2011*. [No place]: The National Cave and Karst Management Symposium, pp. 106-114. [Bodenhamer is the teacher/club sponsor; other authors are high school students.] [Includes Grand Canyon cave data.] [Geographic Information System.]

Blitch, William; Tobin, Benjamin; Heimel, Sierra; AND Sovie, Adia

- 2021 21.8334 Using a machine-learning approach to predict cave locations: Implications for speleogenesis [ABSTRACT]. *Geological Society of America, Abstracts with Programs*, 53(6): Abstract 121-6, doi:10.1130/abs/2021AM-370277. [Model developed at Grand Canyon National Park.]

Campbell, David

- 2008 21.4765 The Editor's corner. *The News!* (Newsletter of the Affiliation of Christian Geologists, American Scientific Affiliation, Ipswich, Massachusetts), 16(1) (Spring): [2]-[3]. [See under "Member News", "Canyons and karst", notice of Carol Hill's research on radiometric dating of cave features in Grand Canyon, p. [2].]

Chambers, Carol L.; Doucett, Richard; AND Mikesic, David G.

- 2005 19.2583 Long-term cave roosting and diet of spotted bats (*Euderma maculatum*) in northern Arizona as indicated by stable isotopes from mummified remains and live bats [ABSTRACT]. *In*: *Eighth Biennial Conference of Research on the Colorado Plateau, du Bois Center, Northern Arizona University, 7-10 November 2005 : program and abstracts of presented papers and posters (version 2.0)*, p. 34.

Coats, Larry

- 1996 21.600 Mid-Wisconsinan glacial plant communities of the eastern Grand Canyon, Arizona. AMQUA 1996; program and abstracts of the 14th biennial meeting; Global warming, interglacials, interstadials, climatic optima, and other events. *American Quaternary Association, National Conference, Program and Abstracts*, 14: 71.
- 1996 21.4538 The paleoecological record of the eastern Grand Canyon prior to the last glacial maximum [ABSTRACT]. *In*: Selected abstracts from the 1996 National Speleological Society National Convention in Salida, Colorado. *Journal of Cave and Karst Studies*, (December): 213.
- 1997 21.3852 *Middle to late Wisconsinan vegetation change at Little Nankoweap, Grand Canyon National Park, Arizona*. Master's thesis, Northern Arizona University, 139 pp.

GRAND CANYON UNDERGROUND

Grand Canyon National Park

- 2003 21.8103 Middle to late Wisconsinan vegetation change at Little Nankoweap, Grand Canyon National Park, Arizona. *From:* Cave Research Foundation Activities 1998 [SECTION]. *In:* Winkler, Elizabeth, and Kambesis, Patricia, *Cave Research Foundation : annual reports 1998-2000*. Dayton, Ohio: Cave Books, pp. 37-38.

Cole, Kenneth L., AND Davis, Owen K.

- 2005 21.4109 Fossil plant remains in Colorado Plateau caves [ABSTRACT]. *In:* *Eighth Biennial Conference of Research on the Colorado Plateau, du Bois Center, Northern Arizona University, 7-10 November 2005 : program and abstracts of presented papers and posters (version 2.0)*, p. 36.

Collins, Paul A.; Snyder, Noel F. R.; AND Emslie, Steven D.

- 2000 21.3732 Faunal remains in California condor nest caves. *The Condor*, 102(1) (February): 222-227. [Principally modern fauna of California, but includes discussions of fossil remains in Grand Canyon.]

Conservation Legacy

- 2016 16.1356 Stewards Individual Placement Program. *In:* *Conservation Legacy annual report : 2016*. Durango, Colorado: Conservation Legacy, pp. 9-10. [Includes brief notes and illustration of Robyn Henderek and her archaeological and paleontological work in Grand Canyon caves and assistance in monitoring hydrologic system of the Kaibab Plateau.]

Davis, Donald G., AND Huntoon, Peter W.

- 2004 21.7015 Grand Canyon, United States. *In:* Gunn, John (ed.), *Encyclopedia of caves and karst science*. New York and London: Fitzroy Dearborn (Taylor and Francis Group), pp. 813-817.

Decker, David D.; Polyak, Victor J.; AND Asmerom, Yemane

- 2016 21.7285 A supercritical CO₂ hypogene speleogenesis model: The origin of spar caves and cave spar in the Guadalupe Mountains, USA. *In:* Chavez, Todd, and Reehling, Pete (eds.), *National Cave and Karst Research Institute Symposium 6 : proceedings of DeepKarst 2016: Origins, Resources, and Management of Hypogene Karst, April 11-14, 2016, Carlsbad, New Mexico, USA*. Carlsbad, New Mexico: National Cave and Karst Research Institute, pp. 21-25. [Guadalupe Mountains, New Mexico and Texas. See pp. 22-23, remarks on spar formation in Grand Canyon caves, Arizona.]

deSaussure, Raymond E.

- 1956 21.853 Remains of the California condor in Arizona caves. *Plateau*, 29: 44-45.

deSaussure, Raymond E., AND Lange, Arthur

- 1955 21.854 The solution of speleothems. *Cave Studies*, (8) (January): 35-57.

Drost, Charles A.

- 2005 19.2589 Biology of stream caves in Grand Canyon National Park [ABSTRACT]. *In:* *Eighth Biennial Conference of Research on the Colorado Plateau, du Bois Center, Northern Arizona University, 7-10 November 2005 : program and abstracts of presented papers and posters (version 2.0)*, p. 41.

GRAND CANYON UNDERGROUND

Grand Canyon National Park

Eginoire, Stephen

- 2018 21.8105 Invisible frontier; inside the hidden world of Grand Canyon caves. *The Gulch* (Durango, Colorado), (5) (October/November): 3, 8-17.

Emslie, Steven Douglas

- 1985 21.1000 Fossil condors (*Gymnogyps californianus*) and their extinction in Grand Canyon, Arizona. *Abstracts, 103rd Stated Meeting of the American Ornithologists' Union*, 7-10 October 1985, Arizona State University, Tempe, Arizona; Paper Session Abstracts, no. 14.
- 1986 21.1001 Canyon echoes of the condor. *Natural History*, 95(4) (April): 10, 12-14.
- 1987 21.1002 *The origin, evolution and extinction of condors in the New World*. Doctoral dissertation, University of Florida, 183 pp.
- 1987 21.1004 Age and diet of fossil California condors in Grand Canyon, Arizona. *Science*, 237(4816) (August 14): 768-770.
- 1988 21.1005 Vertebrate paleontology and taphonomy of caves in Grand Canyon, Arizona. *National Geographic Research*, 4(1): 128-142.

Gilleland, Tom O.

- 2005 13.2273 An overview of the Arizona Cave Survey [ABSTRACT]. *In: Eighth Biennial Conference of Research on the Colorado Plateau, du Bois Center, Northern Arizona University, 7-10 November 2005 : program and abstracts of presented papers and posters (version 2.0)*, p. 46.

Greco, Deanna

- 2013 13.3324 Grand Canyon National Park. *Inside Earth* (U.S. National Park Service, Cave and Karst Programs), 16(2) (Fall): 12. [Brief, general remark on research and resource management for Grand Canyon caves.]

Gunn, John

- 2004 21.4570 (ED.) *Encyclopedia of Caves and Karst Science*. Routledge, New York: Routledge Taylor and Francis Group, 902 pp. [See "Grand Canyon, United States".]

Halliday, William R.

- 2009 21.7124 Differentiating karstic and pseudokarstic caves and closed depressions in the American Southwest, USA. *In: White, William B. (ed.), Proceedings : 15th International Congress of Speleology, Kerrville, Texas, United States of America, July 19-26, 2009 : Volume 3, Contributed Papers*, pp. 1513-1518. [Within the scope of this bibliography, study area includes northwestern Arizona and southern Nevada.]

Hejna, David; Tobin, Benjamin W.; AND Stroud-Settles, Janice

- 2015 19.5203 Modeling cave temperature to prioritize the assessment of over-winter cave use by bats in Grand Canyon National Park. *In: National Cave and Karst Management Symposium : proceedings of the Twenty First Conference : Hidden Landscapes—Hidden Challenges : October 19 through 23, 2015, Cave City, Kentucky*, pp. 74-76.

GRAND CANYON UNDERGROUND

Grand Canyon National Park

Henderek, Robyn L.; Tobin, Benjamin W.; Wood, John R.; AND Schenk, Edward R.

- 2015 16.1058 Using photogrammetry to document and monitor cave paleontological and archaeological sites in Grand Canyon National Park [ABSTRACT]. *Geological Society of America, Abstracts with Programs*, 47(7): 516.

Henderek, Robyn L.; Wood, John R.; AND Tobin, Benjamin W.

- 2015 13.4121 Monitoring in-cave resources with reduced impact and increased quantitative capacity: Developing photogrammetry methodologies for in cave environments. *In: National Cave and Karst Management Symposium : proceedings of the Twenty First Conference : Hidden Landscapes—Hidden Challenges : October 19 through 23, 2015, Cave City, Kentucky*, pp. 41-43. [Grand Canyon National Park.]

Hill, Carol A.

- 2016 21.7284 Brief history of the hypogene speleogenesis model, Guadalupe Caves, New Mexico, USA [ABSTRACT]. *In: Chavez, Todd, and Reehling, Pete (eds.), National Cave and Karst Research Institute Symposium 6 : proceedings of DeepKarst 2016: Origins, Resources, and Management of Hypogene Karst, April 11-14, 2016, Carlsbad, New Mexico, USA*. Carlsbad, New Mexico: National Cave and Karst Research Institute, p. 3. [Includes note, "This model has now been applied to many other parts of the world, including the caves of Grand Canyon—possibly the deepest hypogene karst system in the world." (ENTIRE NOTE)]
- 2017 21.7546 The story of *Cave Minerals of the World, Geology of Carlsbad Cavern*, and the evolution of Grand Canyon via karst [ABSTRACT]. *In: Seiser, Patricia E. (ed.), NSS Convention, June 19-23, Rio Rancho, NM : Red or Green 2017*, pp. 55-56. [Luminary Series presentation; see also p. 30.]

Hill, Carol A., AND Polyak, Victor J.

- 2005 21.4145 Progressive lowering of the water table in the Grand Canyon as recorded by cave and mine deposits [ABSTRACT]. *Geological Society of America, Abstracts with Programs*, 37(6): 16.
- 2005 21.5230 Progressive lowering of the water table in the Grand Canyon, Arizona, Usa [sic] as recorded by cave and mine deposits. *In: Petreas, Christos (ed.), 14th International Congress of Speleology of the International Union of Speleology (UIS), 21-28 August 2005, Kalamos, Hellas [Greece]*, [Proceedings], Vol. 1, pp. 192-196.
- 2009 21.5034 How karst works in Grand Canyon, Arizona, USA. *Proceedings of the 15th International Congress of Speleology, Kerrville, Texas, July 19-26, 2009, Volume 2, Symposia, Part 2*. [No place]: International Union of Speleology, pp. 885-890.
- 2010 21.5273 Karst hydrology of Grand Canyon, Arizona, USA. *Journal of Hydrology*, 390(3/4): 169-181.
- 2010 21.5338 Karst hydrology of Grand Canyon, Arizona, USA [ABSTRACT]. *Geological Society of America, Abstracts with Programs*, 42(5): 151.
- 2014 21.6417 Karst piracy: A mechanism for integrating the Colorado River across the Kaibab uplift, Grand Canyon, Arizona, USA. *Geosphere*, 10(4) (August): 627-640.

GRAND CANYON UNDERGROUND

Grand Canyon National Park

Hill, Carol A.; Eberz, Noel; AND Buecher, Robert H.

- 2005 21.5229 Karst connection model for the Grand Canyon, Arizona, USA. *In*: Petreas, Christos (ed.), *14th International Congress of Speleology of the International Union of Speleology (UIS), 21-28 August 2005, Kalamos, Hellas [Greece]*, [Proceedings], Volume 1, pp. 325-329.
- 2008 21.4265 A karst connection model for Grand Canyon, Arizona, USA. *Geomorphology*, 95(3/4): 316-334.
- 2010 21.5397 A karst connection model for how the Colorado River crossed the Kaibab arch. *Boatman's Quarterly Review*, 23(4) (Winter 2010-2011): 10-14.

Hill, Carol A.; Polyak, Victor J.; AND Buecher, Robert H.

- 2012 21.5792 Caves and karst processes, Grand Canyon, Arizona, USA [ABSTRACT]. *Geological Society of America, Abstracts with Programs*, 44(6): 81.

Hill, Carol A.; Polyak, Victor J.; McIntosh, William C.; AND Provencio, Paula P.

- 2000 21.3620 The importance of Grand Canyon caves and mines to the evolution of the Colorado River system [ABSTRACT]. *In*: Young, Richard A. (coordinator, preparer), *Abstracts for a working conference on the Cenozoic geologic evolution of the Colorado River system and the erosional chronology of the Grand Canyon region : June 7-9, 2000, Grand Canyon National Park, Arizona*. [Geneseo, New York: State University of New York at Geneseo], pp. 33-35. [Young's note: "Many of the abstracts contained in this volume are preliminary, *unreviewed* working documents and should not be cited as formal references in other research papers."]
- 2001 21.3993 Preliminary evidence from Grand Canyon caves and mines for the evolution of Grand Canyon and the Colorado River system. *In*: Young, Richard A., and Spamer, Earle E. (eds.), *Colorado River: Origin and Evolution : proceedings of a symposium held at Grand Canyon National Park in June, 2000*. Grand Canyon, Arizona: Grand Canyon Association, pp. 141-145. (Volume: *Grand Canyon Association, Monograph 12.*) [2004.]

Holton, Brandon, AND Ciaracchi, Sarah

- 2018 19.5967 Bats, white nose syndrome, and caves. *Boatman's Quarterly Review*, 31(3) (Fall): 24.

Holton, Brandon; Tobin, B.; Ciarrachi, S.; Diamond, J.; AND Mixan, R.

- 2017 19.5847 Over-winter bat hibernaculum of select caves of Grand Canyon National Park [ABSTRACT]. *In*: *14th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 11-14, 2017, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*. [No imprint], p. 75.

Horn, Amy

- 2005 16.500 Digging in the dark: Cultural resource management in Grand Canyon's caves [ABSTRACT]. *In*: *Eighth Biennial Conference of Research on the Colorado Plateau, du Bois Center, Northern Arizona University, 7-10 November 2005 : program and abstracts of presented papers and posters (version 2.0)*, p. 52.

GRAND CANYON UNDERGROUND

Grand Canyon National Park

Hough, Ian; Brennan, Ellen; AND Rice, Steven E.

- 2013 21.1110 Archeology and Grand Canyon National Park caves [ABSTRACT]. *GWS2013 : Protected Areas in a Changing World, Denver, Colorado, March 11-15, 2013*. [No place]: George Wright Society.

Huntoon, Peter W.

- 1965 21.1522 General reconnaissance of the earth cracks, Coconino County, Arizona [ABSTRACT]. *Cave Notes*, 7: 37.
- 1967 21.1523 Karst springs in the Tapeats Amphitheater [*sic*], Grand Canyon [ABSTRACT]. *Caves and Karst*, 9(6) (November/December): 50. [Tapeats Amphitheater.]
- 1968 21.1524 *Hydrogeology of the Tapeats Amphitheater and Deer Basin, Grand Canyon, Arizona: A study in karst hydrology*. Master's thesis, University of Arizona, 124 pp., plates.
- 1970 21.1526 *The hydro-mechanics of the ground water system in the southern portion of the Kaibab Plateau, Arizona*. Doctoral dissertation, University of Arizona, 251 pp.
- 1974 21.1532 The karstic groundwater basins of the Kaibab Plateau, Arizona. *Water Resources Research*, 10: 579-590.
- 1999 2.3551 Kaibab stream caves—early exploration. *Boatman's Quarterly Review*, 12(2) (Spring): 5-6.

International Union for Conservation of Nature [IUCN]

- 2008 21.4619 *World heritage caves and karst : a thematic study*. World Commission on Protected Areas; United Nations Educational, Scientific and Cultural Organization; and World Heritage Convention, [7], 34, [23] pp. (World Heritage Convention, IUCN World Heritage Studies, 2.) [See in Table 1, No. 40, Grand Canyon National Park (p. [9] of Table 1).]

Kenworthy, Jason P.; Santucci, Vincent L.; AND Cole, Kenneth L.

- 2004 21.3966 An inventory of paleontological resources associated with caves in Grand Canyon National Park. *In*: Riper, Charles van, III, and Cole, Kenneth L. (eds.), *The Colorado Plateau : cultural, biological, and physical research*. Tucson: University of Arizona Press, pp. 211-228. (Sixth Biennial Conference of Research on the Colorado Plateau.)
- 2015 21.6794 An inventory of paleontological resources associated with caves in Grand Canyon National Park [ABSTRACT]. *In*: Riper, Charles van, III, Drost, Charles A., and Selleck, S. Shane (compilers), *A quarter century of research on the Colorado Plateau—A compilation of the Colorado Plateau Biennial Conference Proceedings for 1993-2015*. U.S. Geological Survey, *Open-File Report 2015-1115*, pp. 74-75.

Kropf, Manny; Mead, Jim I.; AND Anderson, R. Scott

- 2007 21.7007 Dung, diet, and the paleoenvironment of the extinct shrub-ox (*Euceratherium collinum*) on the Colorado Plateau, USA. *Quaternary Research*, 67: 143-151. [Includes references to "eastern Grand Canyon Caves" noted by archaeological site numbers.]

GRAND CANYON UNDERGROUND

Grand Canyon National Park

Land, Lewis; Veni, George; AND Joop, Dianne

- 2013 13.3624 Evaluation of cave and karst programs and issues at US national parks. *National Cave and Karst Research Institute, Report of Investigations 4*, 62 pp. [Grand Canyon, *passim*.]

Lange, Arthur L.

- 1953 21.1812 Grand Canyon reconnaissance. *Cave Studies* (Cave Research Association), (1): 5-7.
- 1955 21.1813 The role of caves in dating Grand Canyon. *Plateau*, 27(3): 1-7.
- 1956 21.1814 Woodchuck remains in northern Arizona caves. *Journal of Mammalogy*, 37: 289-291.
- 1956 21.1815 Cave evolution in Marble Gorge of the Colorado River. *Plateau*, 29: 13-21.
- 1959 21.1816 Introductory notes on the changing geometry of cave structures. *Cave Studies* (Cave Research Association), (11): 69-90.
- 1959 21.7606 "Llopis Llado, N. Sobre el karst actual y fosil de la terminación oriental de la Sierra de Cuera y sus yacimientos de hierro y manganeso. *Speleon*. tomo 9, #3/4, p. 3-59, Julio/Diciembre 1958." *Cave Notes*, 1(2) (March/April): 7-8. [Overview of a paper in Spanish that is not pertinent to this bibliography; but Lange's review, in English, includes a personal note pertaining to manganese oxides seen in the Cave of the Domes, Grand Canyon, and reniform hematite in nearby caves.]
- 1959 21.1817 "Maull, Otto. *Handbuch der Geomorphologie*. 2d Edition. 600 p. Vienna: Vlg. Franz Deuticke. 1958. (Part III: Der Formenschatz des Karstes und die Karstlandschaft. p. 291-325." *Cave Notes*, 1(6): 23-24. [Review of a book in German, with figure (p. 24), "American examples of some karst land forms discussed by Maull. (From the field sketches of A. Lange)", that includes Grand Canyon examples.] [In English.]
- 1961 21.1818 Grand Canyon cave studies in August, 1961. *Cave Notes*, 3(5): 38.
- 1962 21.1819 Grand Canyon cave provinces [ABSTRACT]. *Cave Notes*, 4: 42-43.

Marek, Paul E.; Krejca, Jean K.; AND Shear, William A.

- 2016 32.105 A new species of *Illacma* Cook & Loomis, 1928 from Sequoia National Park, California, with a world catalog of the Siphonophoridae (Diplopoda, Siphonophorida). *ZooKeys*, 626: 1-43. [See *Illacme tobini* Marek, Shear & Krejca, new species (p. 16 and following), "named for Ben Tobin, Cave Specialist and Hydrologist at Grand Canyon National Park" (p. 21).] [*Illacme tobini* Marek, Shear & Krejca in Marek, Krejca and Shear.]

Mason, Harold D.

- 1916 2.4381 The Grand Canyon and its wonderful caves. *Overland Monthly*, New Series, 67: 113-116.

Mead, Jim I.

- 1983 21.2314 *Harrington's extinct mountain goat* (*Oreamnos harringtoni*) and its environment in the Grand Canyon, Arizona. Doctoral dissertation, University of Arizona, 232 pp.

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Grand Canyon National Park

- 1986 21.2316 Diet and chronology of extinct mammals on the Colorado Plateau [ABSTRACT]. *Geological Society of America, Abstracts with Programs*, 18(5): 395.
- 1998 21.2317 NAU participates in team effort to preserve cave fossils. *Northern Arizona University, EnviroNews*, (April): 6.
- 2004 21.4009 Canyon dwellers during the Ice Age and since. *Boatman's Quarterly Review*, 17(2) (Summer): 36-38.
- 2005 21.4111 Dry preservation of Ice Age organic remains and the unique record of vertebrate fauna of Colorado Plateau caves [ABSTRACT]. *In: Eighth Biennial Conference of Research on the Colorado Plateau, du Bois Center, Northern Arizona University, 7-10 November 2005 : program and abstracts of presented papers and posters (version 2.0)*, p. 63.
- 2005 21.6893 Late Pleistocene (Rancholabrean) amphibians and reptiles of Arizona. *In: Heckert, Andrew B., and Lucas, Spencer G. (eds.), Vertebrate paleontology in Arizona. New Mexico Museum of Natural History and Science, Bulletin 29*, pp. 136-151.

Mead, Jim I., AND Agenbroad, Larry D.

- 1992 21.2318 Isotope dating of Pleistocene dung deposits from the Colorado Plateau, Arizona and Utah. *Radiocarbon*, 34(1): 1-19.

Mead, Jim I., AND Bell, Christopher J.

- 1994 21.2319 Late Pleistocene and Holocene herpetofaunas of the Great Basin and Colorado Plateau. *In: Harper, Kimball T., St. Clair, Larry L., Thorne, Kaye H., and Hess, Wilford M. (eds.), Natural history of the Colorado Plateau and Great Basin*. Niwot, Colorado: University Press of Colorado, pp. 255-275. [NOTE: Proofs not seen by authors; some errors appear.]

Mead, Jim I., AND Lawler, Mark C.

- 1995 21.2320 Skull, mandible, and metapodials of the extinct Harrington's mountain goat (*Oreamnos harringtoni*). *Journal of Vertebrate Paleontology*, 14(4): 562-576. [Date on article head and spine is December 1994; cover date of number is 15 February 1995.]

Mead, Jim I., AND Mead, Emilee M.

- 1985 21.2321 Ice Age plants and animals; secrets of the Colorado Plateau. *Explorations* (University of Maine at Orono), 1(2): 6-13.

Mead, Jim I., AND Mikesic, David G.

- 2001 21.3728 First fossil record of *Euderma maculatum* (Chiroptera: Vespertilionidae), eastern Grand Canyon, Arizona. *Southwestern Naturalist*, 46(3) (September): 380-383.

Mead, Jim I., AND Phillips, Arthur M., III

- 1978 21.2322 The late Pleistocene flora and fauna from Vulture Cave, Grand Canyon, Arizona [ABSTRACT]. *American Quaternary Association, National Conference, Abstracts*, (5): 223.
- 1981 21.2323 The Late Pleistocene and Holocene fauna and flora of Vulture Cave, Grand Canyon, Arizona. *Southwestern Naturalist*, 26: 257-288.

GRAND CANYON UNDERGROUND

Grand Canyon National Park

Mead, Jim I., AND Swift, Sandra I.

- 2012 21.6896 Late Pleistocene (Rancholabrean) dung deposits of the Colorado Plateau, western North America. *In:* Hunt, Adrian P., Milàn, Jesper, Lucas, Spencer G., and Spielmann, Justin A. (eds.), Vertebrate coprolites. *New Mexico Museum of Natural History and Science, Bulletin 57*, pp. 336-342. [Includes Grand Canyon.]

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- 1981 21.2324 Late Holocene diet of *Bassariscus astutus* in the Grand Canyon, Arizona. *Journal of Mammalogy*, 62: 439-442.

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- 1987 21.2325 Extinction of the mountain goat (*Oreamnos harringtoni*) in southeastern Utah. *Quaternary Research*, 27: 323-331.

Mead, Jim I.; Coats, Larry L.; AND Schubert, Blaine W.

- 2003 21.3963 Late Pleistocene faunas from caves in the eastern Grand Canyon, Arizona. *In:* Schubert, Blaine W., Mead, Jim I., and Graham, Russell William (eds.), *Ice age cave faunas of North America*. Bloomington and Indianapolis, Indiana: Indiana University Press, and [Denver]: Denver Museum of Nature and Science, pp. 64-86. [See also volume dust jacket front illustration.]

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- 1991 21.2326 Stable carbon and nitrogen isotope ratios of Late Pleistocene *Ovis* and *Oreamnos* from the Grand Canyon, Arizona [ABSTRACT]. *Arizona-Nevada Academy of Science, Journal*, 26(Proceedings Supplement): 48.

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- 1986 21.2327 Extinction of Harrington's mountain goat. *U.S. National Academy of Sciences, Proceedings*, 83: 836-839.

Mead, Jim I.; O'Rourke, Mary Kay; AND Foppe, Theresea M.

- 1986 21.8243 Dung and diet of the extinct Harrington's mountain goat (*Oreamnos harringtoni*). *Journal of Mammalogy*, 67(2) (May): 284-293. [Includes Grand Canyon.]

Mead, Jim I.; Thompson, Robert S.; AND Long, Austin

- 1978 21.2328 Arizona radiocarbon dates IX: Carbon isotope dating of packrat middens. *Radiocarbon*, 20: 171-191.

Mead, Jim I.; Tweet, Justin S.; Santucci, Vincent L.; Tobin, Benjamin; Chambers, Carol L.; Thomas, Shawn C.; AND Carpenter, Mary C.

- 2020 21.8038 Chapter 11. Pleistocene/Holocene cave fossils from Grand Canyon National Park. Ice Age (Pleistocene) flora, fauna, environments, and climate of the Grand Canyon, Arizona. *In:* Santucci, Vincent L., and Tweet, Justin S. (eds.), *Grand Canyon National Park : centennial paleontological resource inventory (non-sensitive version)*. Fort Collins, Colorado: U.S. National Park Service, Natural Resource Stewardship and

GRAND CANYON UNDERGROUND

Grand Canyon National Park

Science, pp. 403-463. (Volume: *Natural Resource Report NPS/GRCA/NRR—2020/2103*.)

- 2021 21.8262 Pleistocene/Holocene cave fossils from Grand Canyon National Park—Ice Age (Pleistocene) flora, fauna, environments, and climate of the Grand Canyon, Arizona. *In*: Santucci, Vincent L., and Tweet, Justin S. (eds.), Grand Canyon National Park centennial paleontological resource inventory; a century of fossil discovery and research. *Utah Geological Association, Special Publication 1*, pp. 220-240, A1-A27 (pagination is contiguous). [Reset reprinting of Mead *et al.* (2020, [ITEM NO.](#) 21.8038).]

Meador, Tom

- 1970 2.24534 Date: June/July 1970. Destination: Marble and Grand Canyons of the Colorado. Personnel: Tom Meador and others (unnamed). Reported by: Tom Meador. *In*: Trips [SECTION]. *The Texas Caver* (Texas Speleological Association), 15(10) (October): 196. [Superficial report of trip on Colorado River through Grand Canyon, passing by numerous cave locations.]

Miller, Anne E.; Steele, Nicholas; AND Tobin, Benjamin W.

- 2018 21.8244 Vulnerability and fragility risk indices for non-renewable resources. *Environmental Monitoring and Assessment*, 190: paper 373, 11 pp. [Focus on cave paleontological resources in Grand Canyon National Park.]

Nicolay, Scott

- 2012 16.1477 Footsteps in the dark zone; ritual cave use in Southwest prehistory. *In*: Moyes, Holley (ed.), *Sacred darkness : a global perspective on the ritual use of caves*. Boulder, Colorado: University Press of Colorado, pp. 171-183. [Includes Grand Canyon sites.]

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- 2007 19.5477 A revision of the genus *Eschatomoxys* Blaisdell (Tenebrionidae: Pimeliinae: Edrotini) with notes on the biology. *The Coleopterists Bulletin*, 61(4): 519-540. [Includes *Eschatomoxys pholeter* Thomas and Pape, new species; holotype, allotype and paratypes from Bat Cave, Grand Canyon, and additional material from Rampart Cave ("on old sloth shit" [sic!]), Grand Canyon, and Eldel Cave, Mohave County. **Includes remarks on other species from Marble Canyon.**]

Peck, Stewart Blaine

- 1980 19.1295 Climatic change and the evolution of cave invertebrates in the Grand Canyon, Arizona. *NSS Bulletin* (National Speleological Society), 42(3): cover, inside front cover, 53-60.

Polyak, Victor J.; Hill, Carol; AND Asmerom, Yemane

- 2017 21.7742 A conceptual model for hypogene speleogenesis in Grand Canyon, Arizona. *In*: Klimchouk, Alexander, Palmer, Arthur N., De Waele, Jo, Auler, Augusto S., and Audra, Philippe (eds.), *Hypogene karst regions and caves of the world*. Cham, Switzerland: Springer International Publishing, pp. 555-564. (Volume series: Cave and Karst Systems of the World.)

Ravenel, William deC.

- 1922 21.5390 Appendix 1. Report on the United States National Museum. *In*: Walcott, Charles D., *Report of the Secretary of the Smithsonian Institution : for the year ending June 30,*

GRAND CANYON UNDERGROUND

Grand Canyon National Park

1922. Washington, D.C.: U.S. Government Printing Office, pp. 26-41. ["Early in the year Mr. F. W. Foshag collected minerals from interesting cave deposits in the Grand Canyon, near Supai, Ariz., a project made possible through the courtesy of Mr. C. A. Heberlein, operating in the region." (ENTIRE NOTE)]

Rice, Steven E.

2012 13.3322 Grand Canyon National Park. *Inside Earth* (U.S. National Park Service, Cave and Karst Programs), 15(1) (Spring): 15-17. [Grand Canyon Cave Management Program.]

Rice, Steven E., AND Valle, Cynthia

2013 21.6928 Karst and cave influences on regional hydrology at Grand Canyon National Park [ABSTRACT]. *GWS2013 : Protected Areas in a Changing World, Denver, Colorado, March 11-15, 2013*. [No place]: George Wright Society.

Rihs, John

1998 13.3321 Grand Canyon National Park (GRCA). *Inside Earth* (U.S. National Park Service, Cave and Karst Programs), 1(2) (Summer): 3. [GRCA is "in the process of redefining its cave & karst management program".]

2005 13.2278 The Draft Cave, Karst and Mine Management Plan, and the Rapid Cave Assessment and Classification System, Grand Canyon National Park [ABSTRACT]. *In: Eighth Biennial Conference of Research on the Colorado Plateau, du Bois Center, Northern Arizona University, 7-10 November 2005 : program and abstracts of presented papers and posters (version 2.0)*, p. 72.

Rosholt, J. N.; Emslie, Steve; AND Stevens, Larry [Stevens, Lawrence E.]

1987 21.2802 Paleoclimatic and paleohydrologic significance of uranium-series ages of anhydrite and gypsum in caves, Grand Canyon National Park, Arizona [ABSTRACT]. *Geological Society of America, Abstracts with Programs*, 19(5): 330.

Santucci, Vincent L.; Kenworthy, Jason; AND Kerbo, Ron

2001 21.3731 An inventory of paleontological resources associated with National Park Service caves. [Lakewood, Colorado?]: *U.S. National Park Service, Geologic Resources Division Technical Report NPS/NRGRD/GRDTR-01/02*, 50 pp. (NPS D-2231.) [See pp. 16-24, 28.]

Tobin, Benjamin W. [Tobin, Ben]

2015 21.7299 Grand Canyon National Park. *Inside Earth* (U.S. National Park Service, Kave and Karst Programs), 18(1) (Summer): 5-6. [Includes brief notes of surveys and resurveys in park caves, and dye trace work in the Roaring Springs groundwater basin.]

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2021 21.8241 Cave and karst of the Grand Canyon World Heritage Site. *Zeitschrift für Geomorphologie*, 62 (Supplement 3): 125-144.

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2013 13.3931 *Cave resources data synthesis and cave resource assessment in Grand Canyon National Park*. Flagstaff, Arizona: Museum of Northern Arizona, for U.S. National Park

GRAND CANYON UNDERGROUND

Grand Canyon National Park

Service, Grand Canyon National Park, 6 pp. (Task Agreement and Requisition R8213100093. MNA Project No. 100-175-363.) [Pertains to management of database resources.]

Wenrich, Karen J., AND Sutphin, Hoyt B.

- 1987 21.3421 Unique minerals from Redwall Limestone caves, Arizona: their association with mineralized breccia pipes [ABSTRACT]. *Geological Society of America, Abstracts with Programs*, 19(6): 463.
- 1994 21.3426 Grand Canyon caves, breccia pipes and mineral deposits. *Geology Today*, 10(3) (May/June): 97-104.

Wynne, J. Judson; Drost, Charles A.; Cobb, Neil S.; AND Rihs, John R.

- 2008 19.2692 Cave-dwelling invertebrates of Grand Canyon National Park. *In*: Riper, Charles van, III, and Sogge, Mark K. (eds.), *The Colorado Plateau III : integrating research and resources management for effective conservation*. Tucson: University of Arizona Press, pp. 235-246.
- 2015 19.4786 Cave-dwelling invertebrates of Grand Canyon National Park [ABSTRACT]. *In*: Riper, Charles van, III, Drost, Charles A., and Selleck, S. Shane (compilers), *A quarter century of research on the Colorado Plateau—A compilation of the Colorado Plateau Biennial Conference Proceedings for 1993-2015*. U.S. Geological Survey, *Open-File Report 2015-1115*, pp. 131-132.

Zappitello, Sarah J.; Tobin, Benjamin W.; AND Jones, Natalie

- 2016 21.7045 Aquifer structure revealed by caves and dye trace, Grand Canyon National Park [ABSTRACT]. *Geological Society of America, Abstracts with Programs*, 48(7): Paper 99-1, doi:10.1130/abs/2016AM-281571.

GRAND CANYON–PARASHANT NATIONAL MONUMENT
AND NEARBY ARIZONA STRIP LOCALES

(including lands of the U.S. Bureau of Land Management, Arizona Strip Office)

ANTELOPE CAVE

Adams, Karen R.

- 2015 16.1101 Quids with wild tobacco (*Nicotiana*) flowering stems inside [ABSTRACT]. *Society for American Archaeology, 80th Annual Meeting, San Francisco, California, Abstracts*, p. 4. [Antelope Cave, Uinkaret Plateau.]

Adams, Karen R.; Johnson, Keith L.; AND Murphy, Terrence M.

- 2015 16.1236 Prehistoric Puebloan yucca (*Yucca*) quids with wild tobacco (*Nicotiana*) contents: Molecular and morphological evidence from Antelope Cave, northwestern Arizona. *Journal of Field Archaeology*, 40(3): 310-324.

Araujo, Aduino, AND Reinhard, Karl

- 2015 16.1102 Parasites in Antelope Cave [ABSTRACT]. *Society for American Archaeology, 80th Annual Meeting, San Francisco, California, Abstracts*, p. 33. [Sampled from human and animal coprolites.]

Fisher, Jacob L.

- 2015 16.1103 Patch choice model predictions for jackrabbit processing at Antelope Cave, Arizona [ABSTRACT]. *Society for American Archaeology, 80th Annual Meeting, San Francisco, California, Abstracts*, p. 317. [Uinkaret Plateau.]

Fisher, Jacob L., AND Johnson, Keith L.

- 2014 16.1441 Culinary processing of jackrabbits at Antelope Cave, Arizona. *Kiva: Journal of Southwestern Anthropology and History*, 79(3): 307-333.

Fugassa, Martín H.; Reinhard, Karl J.; Johnson, Keith L.; Gardner, Scott L.; Vieira, Mônica; AND Araujo, Aduino

- 2011 16.1140 Parasitism of prehistoric humans and companion animals from Antelope Cave, Mojave [sic] County, Northwest Arizona. *Journal of Parasitology*, 97(5) (October): 862-867.

Janetski, Joel C.

- 2015 16.1104 Antelope Cave and far western Anasazi lifeways of the Virgin River region [ABSTRACT]. *Society for American Archaeology, 80th Annual Meeting, San Francisco, California*,

GRAND CANYON UNDERGROUND
Grand Canyon–Parashant National Monument and Vicinity

Janetski, Joel C., AND Wilde, James D.

- 1989 16.223 A preliminary report of archaeological excavations at Antelope Cave and Rock Canyon Shelter, northwestern Arizona. *Utah Archaeology*, 1989: 88-100.

Janetski, Joel C.; Newman, Deborah A.; AND Wilde, James D.

- 2013 16.1233 (WITH CONTRIBUTIONS BY James R. Allison, Gloria Judges Edwards, and David T. Yoder) A report of archaeological excavations at Antelope Cave and Rock Canyon Shelter, northwestern Arizona. *Brigham Young University, Museum of Peoples and Cultures, Occasional Papers*, (19), 197 pp.

Johnson, Keith L.

- 2015 16.1105 The setting: location, environment and excavation history [ABSTRACT]. *Society for American Archaeology, 80th Annual Meeting, San Francisco, California, Abstracts*, p. 505. [Antelope Cave, Uinkaret Plateau.]
- 2020 16.1495 Sandals and the Basketmaker occupation at Antelope Cave, Arizona. *Journal of Arizona Archaeology*, 8(1) (Fall): 1-50.

Johnson, Keith L.; Reinhard, Karl J.; Sianto, Luciana; Araújo, Adauto; Gardner, Scott L.; AND Janovy, John, Jr.

- 2008 16.1139 A tick from a prehistoric Arizona coprolite. *Journal of Parasitology*, 94(1): 296-298. [From human coprolite in Antelope Cave, Uinkaret Plateau. Identified as an adult or nymph of *Dermacentor andersoni* (Stiles), probably having passed through a digestive tract.]

Maxfield, E. Blair

- 2013 21.7796 Geology of Antelope Cave, Arizona Strip. *In*: Janetski, Joel C., Newman, Deborah A., and Wilde, James D., A report of archaeological excavations at Antelope Cave and Rock Canyon Shelter, northwestern Arizona. *Brigham Young University, Museum of Peoples and Cultures, Occasional Papers*, (19): 177-178.

Murphy, Terence; Adams, Karen R.; AND Johnson, Keith L.

- 2015 16.1106 DNA identification of prehistoric Puebloan quids [ABSTRACT]. *Society for American Archaeology, 80th Annual Meeting, San Francisco, California, Abstracts*, p. 725. [Antelope Cave, Uinkaret Plateau.]

Reinhard, Karl J.

- 2013 16.1374 Parasitological evaluation of Antelope Cave coprolites. *In*: Janetski, Joel C., Newman, Deborah A., and Wilde, James D., A report of archaeological excavations at Antelope Cave and Rock Canyon Shelter, northwestern Arizona. *Brigham Young University, Museum of Peoples and Cultures, Occasional Papers*, (19): 179-183.

Reinhard, Karl J., AND Teixeira Santos, Isabel

- 2015 16.1107 Dietary reconstruction based on coprolites from Antelope Cave [ABSTRACT]. *Society for American Archaeology, 80th Annual Meeting, San Francisco, California, Abstracts*, p. 843. [Uinkaret Plateau.]

GRAND CANYON UNDERGROUND
Grand Canyon–Parashant National Monument and Vicinity

Reinhard, Karl J.; Araújo, Adauto; AND Morrow, Johnica J.

- 2016 16.1417 Temporal and spatial distribution of *Enterobius vermicularis* (Nematoda: Oxyuridae) in the prehistoric Americas. *Korean Journal of Parasitology*, 54(5) (October): 591-603. [Data include Antelope Cave, Arizona.]

Reinhard, Karl J.; Johnson, Keith L.; LeRoy-Toren, Sara; Wieseman, Kyle; Teixeira-Santos, Isabel; AND Vieira, Mônica

- 2012 16.1133 Understanding the pathoecological relationship between ancient diet and modern diabetes through coprolite analysis; a case example from Antelope Cave, Mojave [*sic*] County, Arizona. *Current Anthropology*, 53(4) (August): 506-512 + Supplements A-C online, 3, 2, 16 pp. [Mohave County, Uinkaret Plateau.]

Yoder, David T.

- 2008 16.1120 The use of "soft" X-ray radiography in determining hidden construction characteristics in fiber sandals. *Journal of Archaeological Science*, 35: 316-321. [Sandals recovered during earlier excavations in Antelope Cave, Uinkaret Plateau.]
- 2013 16.1373 Antelope Cave sandals. *In*: Janetski, Joel C., Newman, Deborah A., and Wilde, James D., A report of archaeological excavations at Antelope Cave and Rock Canyon Shelter, northwestern Arizona. *Brigham Young University, Museum of Peoples and Cultures, Occasional Papers*, (19): 103-120, and volume Appendix D, "Sandal Construction Data", pp. 187-191, and Appendix E, "Sandal Tie System Data", pp. 193-197.

CO1, CO2, and CO3 CAVES

Robert, Xavier

- 2013 2.25488 Quelques cavités Etats-Uniennes. *Echo des Vulcains* (Groupe Spéléologique Vulcain, Lyon, France), (70) (April): 75. [Brief descriptions of three caves, CO1, CO2, CO3, on the Arizona Strip.] [In French.]

ELDEL CAVE

Pape, Robert B.; Thomas, Donald B.; AND Aalbu, Rolf L.

- 2007 19.5477 A revision of the genus *Eschatomoxys* Blaisdell (Tenebrionidae: Pimeliinae: Edrotini) with notes on the biology. *The Coleopterists Bulletin*, 61(4): 519-540. [Includes *Eschatomoxys pholeter* Thomas and Pape, new species; non-type material noted from Eldel Cave, Mohave County.]

KYPET CAVERNS

Voyles, Kyle D.

- 2008 2.20381 The discovery of KyPet Caverns. *Inside Earth* (U.S. National Park Service, Cave and Karst Programs), 11(1) (Summer): 1-4. [Grand Canyon-Parashant National Monument.]

GRAND CANYON UNDERGROUND
Grand Canyon–Parashant National Monument and Vicinity

LA CUEVA DE LOS DOS MANO NEGROS

Voyles, Kyle D.

- 2008 16.960 Grand Canyon-Parashant National Monument. *Inside Earth* (U.S. National Park Service, Cave and Karst Programs), 11(1) (Summer): 8-10. [Archaeological remains in La Cueva de los Dos Manos Negros.]

MILLIPEDE CAVE

Shear, William A. [Shear, Bill]

- 2007 19.5718 Cave millipedes in the Rocky Mountains. *Utah Caver Annual 2006* (National Speleological Society, Utah Grottos) (August 2007): 11-12. [Includes Millipede Cave, Mohave County, Arizona Strip.]

Shear, William A.; Taylor, Steven J.; Wynne, J. Judson; AND Krejca, Jean K.

- 2009 19.4221 Cave millipeds of the United States. VIII. New genera and species of polydesmidan millipeds from caves in the southwestern United States (Diplopoda, Polydesmida, Macrosterodesmidae). *Zootaxa*, (2151): 47-65. [Includes *Pratherodesmus voylesi* Shear, new species, from October Gyp Cave and Millipede Cave, Mohave County, Arizona Strip.]

Wynne, J. Judson

- 2015 19.5030 *Final report: Bat hibernacula inventory and microclimate monitoring study, Grand Canyon-Parashant National Monument, AZ.* Flagstaff, Arizona: Northern Arizona University, Department of Biological Sciences, Colorado Plateau Biodiversity Center, for Grand Canyon-Parashant National Monument, St. George, Utah, 14, [14] pp. [Includes plans and profiles for several monument caves.]

OCTOBER GYP CAVE

Shear, William A.; Taylor, Steven J.; Wynne, J. Judson; AND Krejca, Jean K.

- 2009 19.4221 Cave millipeds of the United States. VIII. New genera and species of polydesmidan millipeds from caves in the southwestern United States (Diplopoda, Polydesmida, Macrosterodesmidae). *Zootaxa*, (2151): 47-65. [Includes *Pratherodesmus voylesi* Shear, new species, from October Gyp Cave and Millipede Cave, Mohave County, Arizona Strip.]

PAIUTE CAVE

Anonymous

- 2011 16.1118 St. George field trips, ARARA 2012; Friday, May 25, 2012. *La Pintura* (American Rock Art Research Association), 37(4) (December): 3-6. [Announcement. Trips include Nampaweap and Paiute Cave, Arizona Strip.]

GRAND CANYON UNDERGROUND
Grand Canyon–Parashant National Monument and Vicinity

Bock, Frank G., AND Bock, Alice J.

- 1990 16.737 Rock art recording: The need for thorough research in order to provide sufficient retrieval data. *In*: Papers presented at the annual meetings of the Society for California Archaeology. *Society for California Archaeology, Proceedings*, 3: 175-193. [Includes data from Paiute Cave, Arizona Strip.]

Numerical identities with the PARA- prefix are assigned code numbers rather than named caves

PARA-0802 and 0901 CAVES

Wynne, J. Judson

- 2015 19.5030 *Final report: Bat hibernacula inventory and microclimate monitoring study, Grand Canyon-Parashant National Monument, AZ.* Flagstaff, Arizona: Northern Arizona University, Department of Biological Sciences, Colorado Plateau Biodiversity Center, for Grand Canyon-Parashant National Monument, St. George, Utah, 14, [14] pp. [Includes plans and profiles for several monument caves.]

PARA-0901, -1001, -2202, -2204, -2602, -3501, -3502, -3503, -3504, -3507 CAVES

Wynne, J. Judson; Sommer, Stefan; Howarth, Francis G.; Dickson, Brett G.; and Voyles, Kyle D.

- 2018 19.6818 Capturing arthropod diversity in complex cave systems. *Diversity and Distributions*, 24: 1478-1491 + Supporting Information online through <https://doi.org/10.1111/ddi.12772>. [Study areas include caves on the Grand Canyon-Parashant National Monument with cave codes PARA-0901, -1001, -2202, -2204, -2602, -3501, -3502, -3503, -3504, -3507.]

PARA-1001 CAVE

Harvey, Mark S., AND Wynne, J. Judson

- 2014 19.4593 Troglomorphic pseudoscorpions (Arachnida: Pseudoscorpiones) of northern Arizona, with the description of two new short-range endemic species. *Journal of Arachnology*, 42(3): 205-219. [Includes new species, *Hesperochernes bradybaughi* and *Tuberochernes cohni*, both from "PARA-1001 Cave", Grand Canyon-Parashant National Monument. Other taxonomic acts in this paper: "the genus *Archeolarca* Hoff and Clawson is newly synonymized with *Larca* Chamberlin, and the following species are transferred from *Archeolarca* to *Larca*, forming the new combinations *L. aalbui* (Muchmore 1984), *L. cavicola* (Muchmore 1981), *L. guadalupensis* (Muchmore 1981) and *L. welbourni* (Muchmore 1981)" (from the abstract).]

Wynne, J. Judson

- 2015 19.5030 *Final report: Bat hibernacula inventory and microclimate monitoring study, Grand Canyon-Parashant National Monument, AZ.* Flagstaff, Arizona: Northern Arizona University, Department of Biological Sciences, Colorado Plateau Biodiversity Center, for Grand Canyon-Parashant National Monument, St. George, Utah, 14, [14] pp. [Includes plans and profiles for several monument caves.]

GRAND CANYON UNDERGROUND
Grand Canyon–Parashant National Monument and Vicinity

PARA-1401 and 1901 CAVES

Wynne, J. Judson

- 2015 19.5030 *Final report: Bat hibernacula inventory and microclimate monitoring study, Grand Canyon-Parashant National Monument, AZ.* Flagstaff, Arizona: Northern Arizona University, Department of Biological Sciences, Colorado Plateau Biodiversity Center, for Grand Canyon-Parashant National Monument, St. George, Utah, 14, [14] pp. [Includes plans and profiles for several monument caves.]

PARA-2204 and 2602 CAVES

McIntyre, Eathan

- 2012 21.6314 Grand Canyon-Parashant NM. *Inside Earth* (U.S. National Park Service, Cave and Karst Programs), 15(2) (Fall): 11-12. [Radon measurements. Also a Cave Exhibit prepared as part of educational programs regarding Grand Canyon-Parashant National Monument resources.]

Wynne, J. Judson

- 2010 19.5723 *Arthropod sampling at PARA-2204 Cave, Grand Wash Wilderness Area, Grand Canyon-Parashant National Monument, Arizona (preliminary results).* Flagstaff, Arizona: Northern Arizona University, Colorado Plateau Research Station, for U.S. National Park Service, Grand Canyon-Parashant National Monument, St. George, Utah; and U.S. Geological Survey, Astrogeology Science Center, Flagstaff, Arizona, 10 pp. [Includes plan of cave.]

PARA-3501, 3502, and 3503 CAVES

Wynne, J. Judson

- 2015 19.5030 *Final report: Bat hibernacula inventory and microclimate monitoring study, Grand Canyon-Parashant National Monument, AZ.* Flagstaff, Arizona: Northern Arizona University, Department of Biological Sciences, Colorado Plateau Biodiversity Center, for Grand Canyon-Parashant National Monument, St. George, Utah, 14, [14] pp. [Includes plans and profiles for several monument caves.]

RECAPTURE CAVE

Wynne, J. Judson

- 2015 19.5030 *Final report: Bat hibernacula inventory and microclimate monitoring study, Grand Canyon-Parashant National Monument, AZ.* Flagstaff, Arizona: Northern Arizona University, Department of Biological Sciences, Colorado Plateau Biodiversity Center, for Grand Canyon-Parashant National Monument, St. George, Utah, 14, [14] pp. [Includes plans and profiles for several monument caves.]

GRAND CANYON UNDERGROUND
Grand Canyon–Parashant National Monument and Vicinity

ROCK CANYON SHELTER

Janetski, Joel C.

- 1993 16.1479 The Archaeic to Formative transition north of the Anasazi: A Basketmaker perspective. *In: Atkins, Victoria M. (ed.), Anasazi Basketmaker; papers from the 1990 Wetherill-Grand Gulch Symposium. U.S. Bureau of Land Management, Cultural Resource Series, (24): 223-241. [See "Rock Canyon Shelter" (pp. 230-231). Uinkaret Plateau, Arizona Strip.]*
- 2017 16.1234 Late Archaic to Early Puebloan occupation on the Arizona Strip, northwestern Arizona: A view from Rock Canyon Shelter. *Kiva: Journal of Southwestern Anthropology and History, 83(2): 203-242. [With abstract also in Spanish.]*

Janetski, Joel C., AND Wilde, James D.

- 1989 16.223 A preliminary report of archaeological excavations at Antelope Cave and Rock Canyon Shelter, northwestern Arizona. *Utah Archaeology, 1989: 88-100.*

Janetski, Joel C.; Newman, Deborah A.; AND Wilde, James D.

- 2013 16.1233 (WITH CONTRIBUTIONS BY James R. Allison, Gloria Judges Edwards, and David T. Yoder) A report of archaeological excavations at Antelope Cave and Rock Canyon Shelter, northwestern Arizona. *Brigham Young University, Museum of Peoples and Cultures, Occasional Papers, (19), 197 pp.*

GRAND CANYON–PARASHANT CAVES GENERALLY

Anonymous

- 2006 19.5027 Descoberto novo gênero de grilo. *SBE Noticias (Sociedade Brasileira de Espeleologia, Boletim Eletrônico), 1(22) (August 2): 2. ("Fonte: O Estado de São Paulo 26/07/2006".)* [Regarding the discovery of a new genus of cave cricket by Kyle D. Voyles and J. Judson Wynne in Grand Canyon-Parashant National Monument.] [*In Portuguese.*]
- 2006 19.2936 Utah researchers discover new type of cave cricket. *In: Cave Biology [SECTION]. TSA Activities Newsletter (Texas Speleological Association), 10(10) (October): 4-5. [Grand Canyon-Parashant National Monument caves. Excerpted from online posting from Washington Post, 25 July 2006.]*

Avramenko, N. O., AND Zatsaritsina, Yu. V. [Авраменко, Н. О.; Зацарицина, Ю. В.]

- 2015 19.6610 Нові види тварин, які були відкриті в 2014 році [Novi vydy tvaryn, yaki byly vidkryti v 2014 rotsi] [*New species of animals that were discovered in 2014*] [ABSTRACT]. *In: Матеріали науково-практичної конференції викладачів, аспірантів та студентів Сумського НАУ (20-24 квітня 2015 р.). Том II. [Materialy naukovo-praktychnoyi konferentsiyi vykladachiv, aspirantiv ta studentiv Sums'koho NAU (20-24 kvitnya 2015 r.). Том II.] [Proceedings of the scientific-practical conference of teachers, graduate students and students of Sumy NAU (April 20-24, 2015). Volume II.] Суми: Національного Аграрного Університету [Sumy: Natsional'noho Ahrarnoho Universytetu] [Sumy, Ukraine: National Agrarian University], p. 54. [Includes: "Hesperochernes bradybaughi або лжескорпіони . . . виявили в одній з печер в*

GRAND CANYON UNDERGROUND

Grand Canyon–Parashant National Monument and Vicinity

штаті Арізона, на території, що охороняється Parashant, на північному краю Великого Каньйону.” (Translated here: *Hesperochnes bradybaughi* or false scorpions [pseudoscorpions] . . . found in one of the caves in Arizona, in the Parashant protected area, on the northern edge of the Grand Canyon.) This refers to Harvey and Wynne (2014, ITEM NO. 19.4593), but omits *Tuberochnes cohni* that is also described therein as new; that work was performed on the Grand Canyon-Parashant National Monument, Arizona.] [In Ukrainian.]

Bryner, Jeanna

2007 19.2934 New albino millipedes discovered; “living fossils” will help researchers understand how life evolution [sic]. *C.O.G.nizance* (National Speleological Society, Central Oklahoma Grotto), (March/April): 5. (“Reprinted from Livescience.com.”) [J. Judson Wynne research in Grand Canyon caves.]

Hamm, Paris S.; Caimi, Nicole A.; Northup, Diana E.; Valdez, Ernest W.; Buecher, Debbie C.; Dunlap, Christopher A.; Labeda, David P.; Lueschow, Shiloh; AND Porrás-Alfaro, Andrea

2017 19.5568 Western bats as a reservoir of novel *Streptomyces* species with antifungal activity. *Applied and Environmental Microbiology*, 83: e03057-16, doi:10.1128/AEM.03057-16, 10 pp. + Supplemental Material online, <http://aem.asm.org/content/83/5/e03057-16/suppl/DCSupplemental> (Figures S1, S2 [illustrations]; Table S1, “Description of bat microflora tested against *P. destructens*”; and Table S2, “GenBank accession numbers for housekeeping gene sequences from bat- and bat cave-associated *Streptomyces* strains”. [Bat-sampling locales include Grand Canyon-Parashant National Monument.]

Herron, John M., AND Safford, Matthew C.

2000 16.1147 Subterranean cultural resource manifestations of the Arizona Strip [ABSTRACT]. *In*: Selected Abstracts from the 1999 National Speleological Society Convention in Filer, Idaho. *Journal of Cave and Karst Studies*, 62(1) (April): 30. [Brief. Notes ancient Native American, pioneer, Civilian Conservation Corps, and modern rancher uses of caves.]

Johnston, M. Andrew

2019 19.6338 Phylogenetic revision of the psammophilic *Trogloclerus* Leconte (Coleoptera: Tenebrionidae), with biogeographic implications for the Intermountain Region. *PeerJ*, 7: e8039, doi:10.7717/peerj.8039, 45 pp. + Supplemental Information online. [See *Trogloclerus skillmani*, new species (pp. 24-26), holotype from “USA: AZ: Mohave Co./6m [miles] E Colorado City/Rosy Canyon Road/1.5 m S UT state line”; 920 paratypes listed in Supplemental Information. See *Trogloclerus warneri*, new species (pp. 30-31), 237 paratypes listed in Supplemental Information, including specimens from localities within the region covered by this bibliography.]

Johnston, M. Andrew; Fleming, David; Franz, Nico M.; AND Smith, Aaron D.

2015 19.5231 Amphidorini LeConte (Coleoptera: Tenebrionidae) of Arizona: Keys and species accounts. *In*: Thomas, Donald B., Smith, Aaron D., and Aalbu, Rolf L. (eds.), A tribute to Honorary Member Dr. Charles A. Triplehorn. *Coleopterists Society, Monograph 14*, pp. 27-54. [See *Embaphion glabrum* Blaisdell (p. 52, figure 2A (p. 30), with note of favorable localities on the Arizona Strip.)]

GRAND CANYON UNDERGROUND
Grand Canyon–Parashant National Monument and Vicinity

Lavoie, Kathleen H.; Helf, Kurt L.; AND Poulson, Thomas L.

- 2007 19.3864 The biology and ecology of North American cave crickets. *Journal of Cave and Karst Studies*, 69(1) (April): 114-134. [See p. 114, reference, *in passing* and noting a web-based press release, about a new genus of rhabdiphorid cave cricket from Grand Canyon-Parashant National Monument.]

Lewis, Patrick; Northup, Diana E.; Winter, Ara S.; McIntyre, Eathan; AND Fox, Jennifer

- 2017 19.5827 Assessing microbial diversity of the Grand Canyon Parashant National Monument caves [ABSTRACT]. *In*: Seiser, Patricia E. (ed.), *NSS Convention, June 19-23, Rio Rancho, NM : Red or Green 2017*, p. 53. [National Speleological Society.] [Grand Canyon-Parashant National Monument.]

McIntyre, Eathan

- 2012 21.6314 Grand Canyon-Parashant NM. *Inside Earth* (U.S. National Park Service, Cave and Karst Programs), 15(2) (Fall): 11-12. [Includes a Cave Exhibit prepared as part of educational programs regarding Grand Canyon-Parashant National Monument resources.]
- 2012 19.4224 Grand Canyon-Parashant NM. *Inside Earth* (U.S. National Park Service, Cave and Karst Programs), 15(1) (Spring): 17. [Cave ecological inventory, Grand Canyon-Parashant National Monument.]
- 2013 19.4219 Grand Canyon-Parashant NM. *Inside Earth* (U.S. National Park Service, Cave and Karst Programs), 16(1): 10-11. [Studies begin on cave-adapted microbes, Grand Canyon-Parashant National Monument.]

Osife, Maiya Laree

- 2013 19.6537 Microbiology and soundscape project. *Southern Paiute-Parashant Bulletin* (U.S. Bureau of Land Management and U.S. National Park Service, Grand Canyon-Parashant National Monument), 1 (July): 8. [NOTE: As noticed on p. 1, Osife is the author of the entirety of this inaugural issue. The microbiology project pertains to studies in cave environments of basalt flows in remote areas of the national monument, including Nampaweap. The soundscape project is not mentioned in the text.]

Pape, Robert B.

- 2016 19.5142 The importance of ants in cave ecology, with new records and behavioral observations of ants in Arizona caves. *International Journal of Speleology* (Union Internationale de Spéléologie), 45(3) (September): 185-205 + Appendix A, "List of an records from caves, record source, and record author-assigned ecological group", [14] pp. [Includes cave localities in Grand Canyon-Parashant National Monument.]

Pate, Dale

- 2013 13.3323 A word from WASO. *Inside Earth* (U.S. National Park Service, Cave and Karst Programs), 16(2) (Fall): 2-3. [Washington Support Office. See p. 2, note of Grand Canyon-Parashant National Monument cave resources program.]

GRAND CANYON UNDERGROUND
Grand Canyon–Parashant National Monument and Vicinity

Peck, Stewart B., AND Wynne, J. Judson

- 2013 19.4198 *Ptomaphagus parashant* Peck and Wynne, new species (Coleoptera: Leiodidae: Cholevinae: Ptomaphagini): the most troglomorphic cholevine beetle known from western North America. *The Coleopterists Bulletin*, 67(3): 309-317.

Pelletier, Stephen

- 2008 19.3861 Crickets, comets, petroglyphs; the role of basic research at AASCU institutions. *Public Purpose*, (April/May): 2-6. [American Association of State Colleges and Universities.] [See pp. 2-3, note, *in passing*, of J. Judson Wynne's discovery of a new genus of cave cricket from Grand Canyon-Parashant National Monument. Also note grayed-out full-page background image of cricket, without legend, p. 2.]

Spatta, Ty

- 2007 21.7199 The Strip tease, Part 1. *NSS News* (National Speleological Society), 65(6) (June): 9-13. [Caves of the Arizona Strip.]
- 2007 21.7200 Arizona Strip cave search, Part II—October 2006. *NSS News* (National Speleological Society), 65(7) (July): 7-11. [The Strip tease, Part 2.] [Caves of the Arizona Strip.]
- 2007 21.7193 Strip search. *NSS News* (National Speleological Society), 65(9) (September): 4-6. [Caves of the Arizona Strip.]
- 2008 21.5018 The Arizona walkin' blues; the Strip, a deep pit, and packrat shit. *CIG Newsletter*, (National Speleological Society, Central Indiana Grotto), 52(5) (May): 68-76.
- 2010 21.7219 The Strip tease, Part 1. *NSS News* (National Speleological Society), 68(5) (May): 9-13. Caves of the Arizona Strip.]
- 2007 21.7220 Arizona Strip cave search, Part II—October 2006. *NSS News* (National Speleological Society), 68(6) (July): 7-11. [The Strip tease, Part 2.] [Caves of the Arizona Strip.]

Szukalski, Bern

- 2008 2.21879 Underground Update [COLUMN]. *NSS News* (National Speleological Society), 66(8) (August): 25-. [See "The CIG Newsletter, May 2008, Central Indian[a] Grotto" (pp. 25-26), summarizing article by Ty Spatta about a caving trip to the Arizona Strip. See [ITEM NO. 21.5018](#) for citation of Spatta article.]

U.S. Bureau of Land Management, AND U.S. National Park Service

- 2017 13.4891 *United States Department of the Interior, Bureau of Land Management : Environmental Assessment DOI-BLM-AZ-A030-2017-0001-EA : Grand Canyon Parashant Cave Management Plan*. St. George, Utah: U.S. National Park Service, Grand Canyon-Parashant National Monument, 133 pp. [Draft, redacted.]

Voyles, Kyle D.

- 2005 19.4222 Grand Canyon-Parashant National Monument. *Inside Earth* (U.S. National Park Service, Kave and Karst Programs), 8(1) (Spring): 7.
- 2006 19.4223 Grand Canyon-Parashant National Monument. *Inside Earth* (U.S. National Park Service, Kave and Karst Programs), 9(1) (Summer): 6.

GRAND CANYON UNDERGROUND
Grand Canyon–Parashant National Monument and Vicinity

Voyles, Kyle D., AND Wynne, J. Judson

- 2006 21.4214 Systematic inventory and survey of the caves in Grand Canyon-Parashant National Monument, Arizona [ABSTRACT]. *In*: Abstracts from the 2006 National Speleological Society Convention, Bellingham, Washington. *Journal of Cave and Karst Studies*, (December): 167. [Wynne's given name misspelled as "Juson".]
- 2007 19.4380 Update on the systematic inventory and survey of the caves in Grand Canyon-Parashant National Monument, Arizona [ABSTRACT]. *In*: Selected abstracts from the 2007 National Speleological Society Convention, Marengo, Indiana. *Journal of Cave and Karst Studies*, (December): 365-366.

Wynne, J. Judson

- 2014 19.4197 Reign of the Red Queen; the future of bats hangs in the balance; return of Explorers Club Flag #139. *The Explorers Journal* (Explorers Club), 92 (Spring): 40-45. [Includes Grand Canyon-Parashant National Monument.]
- 2015 19.5030 *Final report: Bat hibernacula inventory and microclimate monitoring study, Grand Canyon-Parashant National Monument, AZ*. Flagstaff, Arizona: Northern Arizona University, Department of Biological Sciences, Colorado Plateau Biodiversity Center, for Grand Canyon-Parashant National Monument, St. George, Utah, 14, [14] pp. [Includes plans and profiles for several monument caves.]

Wynne, J. Judson, AND Drost, Charles A.

- 2009 19.2952 Southwest caves reveal new forms of life. *U.S. Geological Survey, Fact Sheet 2009-3024*, 2 pp.

Wynne, J. Judson, AND Voyles, Kyle D.

- 2014 19.4412 Cave-dwelling arthropods and vertebrates of North Rim Grand Canyon, with notes on ecology and management. *Western North American Naturalist*, 74(1): 1-17. [Grand Canyon-Parashant National Monument.]

Wynne, J. Judson; Howarth, Francis G.; Sommer, Stefan; AND Dickson, Brett G.

- 2019 19.6180 Fifty years of cave arthropod sampling: techniques and best practices. *International Journal of Speleology* (Union Internationale de Spéléologie), 48(1) (January): 33-48. [See p. 34, reference to work in Grand Canyon-Parashant National Monument, although without noting that locale by name.]

Wynne, J. Judson; Voyles, Kyle; Drost, Charles A.; Solvesky, Benjamin G.; AND Herder, Michael J.

- 2005 19.2608 Cave ecology on the Arizona Strip [ABSTRACT]. *In*: *Eighth Biennial Conference of Research on the Colorado Plateau, du Bois Center, Northern Arizona University, 7-10 November 2005 : program and abstracts of presented papers and posters (version 2.0)*, p. 88.

NAVAJO NATION

BLUE SPRINGS

Blue Springs is a locality of multiple resurgences in the encanyoned Little Colorado River within the boundaries of the Navajo Nation near the Grand Canyon National Park boundary. It is the natural source of the Little Colorado's striking turquoise-colored waters (when the river is not otherwise in flood). This place has great spiritual significance to Native American peoples, particularly the Hopi who teach that this is where their ancestral peoples emerged into this world. **Accordingly, this is a locality that must not be visited by unsanctioned non-Native peoples.**

The citations below are from the publicly available published record and pertain to visits decades ago by non-Native divers, including National Park Service personnel (not from Grand Canyon), who entered the resurgences. While these publications are of historical interest, they are not useful as guides.

Sheck Exley, a renowned cave diving pioneer, visited Blue Springs in the mid-1980s with Butch Farabee and Dan Lenihan. Farabee was a National Park Service ranger, later a Search and Rescue ranger, who retired from NPS in 1999 as Assistant Superintendent of Glacier National Park. Lenihan was with the NPS Southwest Region and was founding chief of the NPS Submerged Cultural Resources Unit, later chief of the Submerged Resources Center. The divers had carried their gear down to the resurgences and back from the rim of the Little Colorado River gorge. Exley died in 1994 while attempting a record depth dive in one of the Mexican giant sinkholes.

Davis, Donald G.

2020	2.31771	Historical note: "Diving the Little Colorado River resurgence". <i>NSS News</i> (National Speleological Society), 78(4) (April): 37. [Refers to the item by Adam Haydock in the March issue.]
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Exley, Sheck

1987	2.31768	Cave diving in the Grand Canyon. <i>Underwater Speleology</i> (National Speleological Society, Cave Diving Section), 14(4) (August): 5-6. [Blue Springs on the Little Colorado River.]
1987	2.31769	Blue Springs caves—Grand Canyon. <i>Underwater Speleology</i> (National Speleological Society, Cave Diving Section), 14(5) (October): 12. [Blue Springs on the Little Colorado River. Publishes a few sketch maps omitted from the August issue.]

Haydock, Adam

2020	2.31770	Diving the Little Colorado River resurgence. <i>NSS News</i> (National Speleological Society), 78(3) (March): 4-8. [Blue Springs.] [See also letter from Donald G. Davis in the April issue.]
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EXTRALIMITAL LOCALES OF INTEREST

Anonymous

- 1905 16.761 Sun-god discovered in Arizona. *In*: Archeology, Paleontology, Ethnology [SECTION]. *New Century Path*, 9(1) (November 12): 5. [Putative. W. L. Bachtell discovery of a "statue of a deity", found "on the rim of the Grand Canyon of the Colorado in the Buckskin Mountains" **[Kaibab Plateau]**.] [Item signed "Student"; credited to "an Eastern paper". *NOTE*: The newspaper item thus credited could be this item: "War God Idol of Stone. How It Was Found In a Colorado Canyon. First Seen By a Prospector. Archaeological Relic Discovered In Cavern In Buckskin Mountains Is Supposed to Have Been left by an Unknown Race—Chiseling on Image So Fine That Even the Hair Is Thus Marked on the Idol." *Oswego Daily Palladium* (Oswego, New York), September 21, 1905, p. 7.] [See also Carolus (1915, *ITEM NO.* 16.997).]

Carolus [pseudonym]

- 1915 16.997 Our debt to the American Indian: Can we repay it? *The Theosophical Path*, 8(6) (June): 419-432, plates. [In plates (between pp. 420/421) see "Statue of the So-Called 'War-God' or 'Sun-God'; Found some years ago at an elevation of 9000 ft. on the rim of the Grand Canyon of the Colorado, in the Buckskin Mountains **[Kaibab Plateau]**." (ENTIRE NOTE; no text mention) Regarding this putative piece, see also Anonymous (1905, *ITEM NO.* 16.761).]

Grant, Raymond

- 2008 21.4822 Arizona Mineral Collector; Number 111. *Rockhound Record* (Mineralogical Society of Arizona), 74(6) (June): 2. [Includes note of pharmacolite from **Corkscrew Cave, Hualapai Indian Reservation.**]

Keeler, Ray, AND Bohman, Richard

- 2013 13.3622 Incorporating cave and karst management into the forest plan revision process of Arizona forests. *In*: Land, Lewis, and Joop, Mark (eds.), *National Cave and Karst Research Institute Symposium 3 : National Cave and Karst Management Symposium : proceedings of the Twentieth Conference : NCKMS: A Changing Climate : November 4 through 8, 2013, Carlsbad, New Mexico*. Carlsbad, New Mexico: National Cave and Karst Research Institute, pp. 147-152. **[Includes Kaibab National Forest, Kaibab Plateau.]**

Minor, J. Harry

- 1915 2.15988 Motoring across the Mojave Desert. A motor car tour through the heart of Arizona which will be illuminating to automobile tourists from states east of the Mississippi River. *The Automobile Journal*, 39(10) (June): 11-16. [Includes Grand Canyon. Of particular interest (pp. 12-13, capitalizations thus): "The deepest and most picturesque sections of the Grand canon of the Colorado lie in Mohave county and lesser, but no less beautiful chasms, such as the Iceberg, the Black, the Boulder [*sic*] and the Mohave canons are also found here. Diamond canon, which forms a junction

GRAND CANYON UNDERGROUND

Extralimital Locales

with the Grand canon, 20 miles from Peach Springs, is equal in its way to the others. One of its features is the **Diamond creek caves**, which are of extraordinary size and beauty.”]

Suran, Sibyl

1998 2.6132 The cookie jar [COLUMN]. The fox and hounds, western style. *The Bulletin* (Grand Canyon Pioneers Society), 2(7): 3-4. [Trip to **Bass Caves**, south of Grand Canyon vicinity of Anita and Babbitt Ranch.]

U.S. Forest Service, Southwestern Region

2014 13.3557 Land and Resource Management Plan for the Kaibab National Forest, Coconino, Yavapai, and Mojave [sic] Counties, Arizona. *U.S. Forest Service, Southwestern Region, Management Bulletin MB-R3-07-17*. [See also 2014 [2015] (ITEM NO. 13.3558), corrected version.]

2014 13.3558 Land and Resource Management Plan for the Kaibab National Forest, Coconino, Yavapai, and Mojave [sic] Counties, Arizona. *U.S. Forest Service, Southwestern Region, Management Bulletin MB-R3-07-17*, 210 pp. [2015. Corrected version of 2014 release (ITEM NO. 13.3557), but title-page still indicates “February 2014”. Notation, p. i: “Administrative changes to this Plan were made after the Record of Decision was signed on 02/03/2014. These changes were made in accordance with the 2012 Planning Rule (36 CFR 219.13). Details of plan changes are listed starting on page *vi*.” Notation, p. vi (only): “Administrative changes to this Plan were made May 2015 as the result of appeals filed and informal resolution agreement and in response to appeal resolution instructions provided by the Forest Service Chief’s Reviewing Officer following administrative review. These changes to the Forest Plan highlight **cave, karst, and hydrogeological resource management** (pp. 31, 57, 58, 70, 77, 189, 190) , clarify the relationship between grazing capability and suitability (pp. 111, 112), and better explain the role of allotment management plans and annual operating instructions in making adjustments to livestock grazing using the adaptive management framework (p. 70).”]

“GRAND CANYON CAVERNS” at “Dinosaur City”

(Yampai Caverns, Coconino Caverns, Sipapu Caverns, Dinosaur Caverns)

“Grand Canyon Caverns” (as it is currently known, with earlier names Yampai Caverns, Coconino Caverns, Sipapu Caverns, and Dinosaur Caverns) is one of the vestiges of Route 66 tourist stops. A “dry cave,” it has seen decades of wavering economic uncertainty and viability, with its present owners now also providing a specialized, perhaps unique, motel experience with what was featured in *Arizona Highways* as the “largest, oldest, deepest, darkest, quietest motel room in the world.” The cave and its touring amenities survives today chiefly as the result of historic Route 66 being an internationally famous draw.

Anonymous

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|------|---------|--|
| 1938 | 2.19904 | Peach Springs. <i>In:</i> Here and There on the Desert [SECTION]. <i>Desert Magazine</i> , 2(1) (November): 38. [“Sparkling crystals cover the walls of Coconino caverns which are to be opened to the public as a scenic attraction early next summer. The caverns are located 14 miles east of Peach Springs near Highway 66. Under an agreement recently announced, the three owners have deeded the cave to Coconino county, but have retained for themselves a lease under which they will erect a lodge and cabin accommodations for visitors. The three men are Walter Y. Peck, Stanley Wakefield and Edmund R. Cosgrove.” (ENTIRE ITEM)] [Grand Canyon Caverns.] |
| 1949 | 2.20091 | Want to lease a cavern? <i>In:</i> Here and There on the Desert [SECTION]. <i>Desert Magazine</i> , 12(12) (October): 30. [Coconino Caverns (later known as Grand Canyon Caverns). Item credited to <i>Gallup Independent</i> .] |
| 1967 | 2.24533 | San Antonio [Grotto]. <i>In:</i> News [SECTION]. <i>The Texas Caver</i> (Texas Speleological Association), 12(7) (July): 103-104. [See p. 104, note of group’s “hot hike into Havasu Canyon in the 130° temp.” and visit to Grand Canyon Caverns. Superficial.] |
| 1993 | 2.25264 | History of Grand Canyon Caverns. <i>Grand Canyon Report</i> (Las Vegas), (Winter 1993/1994): 11. |
| 2000 | 2.25278 | Take side trip to Grand Canyon Caverns. <i>In:</i> <i>Grand Canyon-Tusayan tourist guide : your guide to what’s going on at Grand Canyon and Tusayan : fun at the canyon : Fall 2000</i> . Williams, Arizona: Williams-Grand Canyon News, p. 7. |
| 2002 | 2.25304 | Make stop at GC Caverns. <i>In:</i> <i>Grand Canyon Tusayan guide : Spring 2002</i> . Williams, Arizona: Williams-Grand Canyon News, p. 22. [Grand Canyon Caverns.] |

GRAND CANYON UNDERGROUND

"Grand Canyon Caverns"

- 2002 2.25369 Explore Grand Canyon Caverns in Peach Springs. *In: Williams : Gateway to the Grand Canyon® : fun in the high country : Summer 2002.* Williams, Arizona: Williams-Grand Canyon News, p. 18.
- 2002 2.19733 New owners. *Cave Talk* (National Caves Association, Park City, Kentucky), (August): [1]. [Grand Canyon Caverns, Peach Springs, Arizona, under new ownership; John McEnulty and partners.]
- 2002 2.25316 Explore Grand Canyon Caverns; massive system of underground caves located along old Route 66. *In: Grand Canyon Tusayan guide : Fall 2002.* Williams, Arizona: Williams-Grand Canyon News, p. 24.
- 2003 2.9724 Explore Grand Canyon Caverns; massive system of underground caves located along old Route 66. *In: Grand Canyon Tusayan Guide : Fall 2003,* p. 24.
- 2005 2.25335 Explore underground at Caverns. *In: Grand Canyon Tusayan guide : Fall 2005.* Williams, Arizona: Williams-Grand Canyon News, p. 19. [Grand Canyon Caverns.]
- 2011 2.15169 Arizona. *In: Tidbits [SECTION]. American Profile,* (February 6-12): 12. [Grand Canyon Caverns Motel.]
- 2014 2.22154 Explorers/Over the Hill Hikers. *Meadview Monitor,* 1(3) (July/August): 5. [Field trip included drive over Buck and Doe Road to Peach Springs and visit to Grand Canyon Caverns.]
- 2016 2.26210 Spring doins and dedication. *The Ancient and Honorable Order of E Clampus Vitus, Lost Dutchman Chapter 5917 + 4,* 2016 [no issue number]: [1]. [Issue announces "Tentative 2016 Functions", including (p. [1]) dedication at Grand Canyon Caverns, Peach Springs, Arizona, April 15-17.]
- 2017 2.27799 Where to cool off in Arizona. *Ancala Home Times* (Scottsdale, Arizona), (July/August): [5]. [Includes "Grand Canyon: North Rim" and "Sedona [*sic*]: Grand Canyon Caverns". (Grand Canyon Caverns is on Route 66 near Peach Springs.)]

Balfour, Amy C.

- 2010 9.844 Going underground; the oldest "new" motel room in the world opens—220 feet under the Arizona earth. *In: On the Road [SECTION]. Lonely Planet,* (August): 21. [Grand Canyon Caverns.]

Barnes, Dolores

- 1972 6.839 Vacation/rockhounding through a 5-year-old kid's eyes. *Petrograph* (Mineral and Gem Society of Castro Valley, Castro Valley, California), 16(11) (November): 25-26. [Includes note of Grand Canyon Caverns.]

Bressler, Jon

- 2008 14.831 Semester in the Southwest. *In: Spring Semester Update [SECTION]. Eagle View Newsletter* (Success Oriented Achievement Realized [S.O.A.R.], Balsam, North Carolina), 13 (Spring): [unpaginated]. [News note from Southwestern Eagle View Ranch Semester program, noting in part that one expedition has thus far been taken; "destinations included . . . Grand Canyon Caverns, Havasu [*sic*] Indian Reservation . . ." (ENTIRE NOTE)]

GRAND CANYON UNDERGROUND

"Grand Canyon Caverns"

Dishner, Jackie, AND Lipczynski, Mark

- 2011 2.14881 Out there! *Arizona Highways*, 87(1) (January): 44-51. [Roadside peculiarities of Arizona. See p. 50, "Largest, Oldest, Deepest, Darkest, Quietest Motel Room in the world; Grand Canyon Caverns Suite, Historic Route 66".]

Evans, Colleen

- 2001 2.8322 Grand Canyon Caverns; a Route 66 classic. *AZ Tourist News*, (August): 10.

Halliday, William R. [Halliday, Bill]

- 1954 2.18572 Coconino Caverns, Ariz., blocked. *The News* (National Speleological Society), 12(9) (September): 5. [Grand Canyon Caverns.]
- 1960 2.18573 Three new commercial caves recently opened in West. *NSS News* (National Speleological Society), 18(1) (January): 8. [Includes Grand Canyon Caverns.]

Hirschfeld, Aver [אבר הרשפלד 4Z4NH]

- 1987 2.28965 ב"בארה רשמי טיול [transl. 'Official trip to the USA']. (בטאון אגודת חובבי הרדיו בישראל - תל-אביב) הגל / *Hagal* (Israel Amateur Radio Club Newsletter) (Tel Aviv), (December): 3-5. [Includes remarks on Grand Canyon, Grand Canyon Caverns, and Hoover Dam.] [Author's call-sign is registered in Netanya, Israel (information obtained online).] [In Hebrew, with bilingual serial title and publisher's information.]

Hodgins, Greg; Brook, George A.; AND Marais, Eugene

- 2007 21.6309 Bomb-spike dating of a mummified baboon in Ludwig Cave, Namibia. *International Journal of Speleology* (Union Internationale de Spéléologie), 36(1): 31-38. [Begins with note of giant ground sloth, *Glossotherium harlani*, from Grand Canyon Caverns, Arizona.]

Holtzin, Richard Kerry [Holtzin, Rich]

- 2017 9.1597 *Road tours of the Southwest, Book 8 : national parks and monuments, state parks, tribal park and archeological ruins. This series: Grand Canyon west, from Flagstaff : Flagstaff, Seligman, Grand Canyon Caverns, Supai Village (Havasupai, South Rim Grand Canyon), Grand Canyon West—Peach Springs, AZ, Grand Canyon South Rim, Grand Canyon Parashant.* [No imprint], 128 pp. [An on-demand publication.]

Jörg-Brosche, Claudia

- 2012 9.1165 Verrückte Ziele, entrückte Orte. Wenn Sie sich gerade im Büro oder zu Hause langweilen, dann haben wir was für Sie: 16 wirklich ausgefallene Schlafplätze für einen außergewöhnlichen Urlaub. *Gewinn* (Wien), (August 7): 170-172. [See p. 172, "Hölen-Suite des Grand Canyon Cavern Inn".] [Grand Canyon Caverns.] [In German.]

Jorgenson, Paul R.

- 2007 2.14328 HF radio at Grand Canyon Caverns. *Speleonics* (National Speleological Society, Communications and Electronics Section), 7(2) (June) (26): 24-25. [High Frequency amateur radio.]

GRAND CANYON UNDERGROUND

"Grand Canyon Caverns"

- 2016 2.25486 Drilling a cave radio location [ABSTRACT]. *In: National Speleological Society : 2016 NSS Convention program guide : Ely, Nevada, July 18-22, 2016.* Huntsville, Alabama: National Speleological Society, p. 79. [Brief. Cave radio beacon used to locate drilling point at Grand Canyon Caverns.]
- Lera, Thomas**
- 2004 2.27795 Spelean post offices of the United States: Part One. *Journal of Spelean History* (American Spelean History Association [National Speleological Society, History Section]), 38(2)(126) (July/December): 29-50. ["Arizona Spelean Post Offices" (pp. 41-43) include Grand Canyon Caverns, a rural branch of Peach Springs (pp. 42-43). (No postmark.)]
- 2011 2.18570 *Cave post offices.* [No place]: Cave Books, 136 pp. [See "Grand Canyon Caverns", pp. 25-26.]
- Moore, Bob**
- 1996 2.26035 Grand Canyon Caverns. *Route 66 Magazine*, (Spring): 44-.
- Morrison, Jon**
- 2004 2.18561 Joy Mckenna—moves on. *The Friends of the Bosque del Apache National Wildlife Refuge* (San Antonio, New Mexico), 11(5) (September/October): 2. [Joy Mckenna, NWR Educational/Executive Director, moves to be educational coordinator for Grand Canyon Caverns.]
- Ooi, Lucy**
- 2013 2.29499 Airplane-friendly gambling town and fly-in motel. *Flying Club 1* (Flying Club 1, Springfield, Virginia), 13(6) (June): 5-7. [Part 2 of a series about a cross-country trip in "a beautifully restored Aeronca L16 (7BCM)" (as noted in Part 1 in the May issue, "How Quickly Plans Can Change"). This installment includes Laughlin/Bullhead on the Colorado River, and Grand Canyon Caverns, Arizona. Parts 1 and 3 are not pertinent to this bibliography.]
- Parra Rodríguez, Francisco Javier**
- 2013 7.961 *Hombres de negocios en Las Vegas : comedia o algo por el estilo.* Santander, Spain: [no imprint], 54 pp. [Depósito legal S-44-16, Safe Creative, February 22, 2016.] [Script for a play.] [Grand Canyon, see "Sexo Acto", pp. 33-39; "Séptimo Acto, pp. 39-43.] [Grand Canyon West and Grand Canyon Caverns.] [In Spanish.]
- Quinn, Pat**
- 2001 2.18568 Flight to Columbine. *Vintage Airplane*, 29(1) (January): 8-9, 32. [Includes refueling stop at Grand Canyon Caverns.]
- Soule, Gary K.**
- 1989 2.20396 Complete and comprehensive listing: Show caves of Canada and the United States of America. *Journal of Spelean History* (American Spelean History Association [National Speleological Society, History Section]), 23(1/2) (January/June): 3-33. [See p. 6: "Grand Canyon Caverns, Dinosaur City... between Peach Springs and Seligman (formerly Coconino Caverns, Dinosaur Caverns, and Yampai Caverns)". (ENTIRE NOTE)] [Ellipsis is part of text, thus.]

GRAND CANYON UNDERGROUND

"Grand Canyon Caverns"

- 2016 2.31449 *Grand Canyon Caverns : Yampai Caverns, Coconino Caverns, Sipapu Caverns, Dinosaur Caverns : Peach Springs, Coconino County, Arizona.* (With contributions from Larry D. Zimmer, Ray Keeler, Dick Blenz, Paul R. Jorgenson, Jack H. Speece, John McEnulty.) [No place]: Speece Productions, [39] pp. (Spelean History Series, No. 58.)

Swinson, Derek B.

- 1979 18.2155 The Grand Canyon Caverns underground cosmic ray telescope. *In*: Miyake, Saburo (ed.), *16th International Cosmic Ray Conference : Volume 12.* Tokyo: University of Tokyo, Institute for Cosmic Ray Research, pp. 234-236. (Paper MG 7-14.) [Muon telescope installed in Grand Canyon Caverns near Peach Springs, Arizona.]

Wayne, Terry

- 1962 27.284 *Dinosaur Cavern.* Phoenix: Coast-to-Coast Records, 45-rpm record. (2:27.) (Co-T-Co 66.) [Flip side: *God's Gift to Man.*] [Eight-stanza song with guitar, bass and drums, inspired by the artist's visit to Dinosaur Caverns (in 1963 renamed Grand Canyon Caverns) on Route 66 near Peach Springs, Arizona.]

Wooldridge, Dennis E.

- 2010 2.14316 Radiating through history: A Toastmaster's Cold War creation. *Sun Talker* (Toastmasters International, District 84, Central and North Florida), 3(1) (July): 8-9. [Grand Canyon Caverns, Cold War-era Civil Defense rations in Grand Hall.]
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MISLEADING AND FICTIONAL ITEMS

Misleading

Eiseman, Fred B., Jr.

1961 17.118 Discovery of the Hopi Salt Cave. *Spout* (November): 2-7. [Misleading.]

Fewkes, Jesse Walter

1900 17.682 The new-fire ceremony at Walpi. *American Anthropologist*, New Series, 2(1) (January): 80-138. ["The *Kwakwantû* address their purification to the *katcinas* of the Salt cave of the Grand canyon where there are stalactites (*lepna*) believed to be connected in some occult way with the horns of their helmets." [sic] (ENTIRE NOTE) Misleading.]

Smith, Benjamin E.

1914 17.1654 (REVISED AND ENLARGED UNDER THE SUPERINTENDENCE OF) *The Century dictionary and cyclopedia : with a new atlas of the world : a work of general reference in all departments of knowledge : in twelve volumes. Volume X [tola-Z]*. New York: The Century Co., revised and enlarged ed., pp. 6369-7046, Supplement [unpaginated], 1-27. [With separate title-page: *The Century dictionary : an encyclopedic lexicon of the English language*.] [See p. 6496, "troglodyte", which includes the note, "Cave-dwellers still live in a few places in the United States, as some of the Yavasupai [Havasupai] Indians in caves in the side cañons of the Colorado river." (ENTIRE NOTE) Misleading.]

Fictional

Blumhouse Productions; Chapter One Films; AND EMU Creek Pictures

2016 26.1372 *The darkness*. (Starring Kevin Bacon, Radha Mitchell, David Mazouz, Lucy Fry, Matt Walsh, Jennifer Morrison, Ming-Na Wen, and Parker Mack. Greg McLean, director. Jason Blum, Matthew Kaplan, Blanca Martino, and Greg McLean, producers.) Blumhouse Productions, Chapter One Films, and EMU Creek Pictures (Distributed by BH Tilt and High Top Releasing.) 92:00. [Plot involves character Mikey during a trip to Grand Canyon stealing stones from a "Kiva cavern", which, once home, cause the opening of a "portal" for evil demons.]

Everett, Percival L.

2020 7.1059 *Telephone : a novel*. Minneapolis, Minnesota: Graywolf Press, 216 [220] pp. [Fiction. Zach Wells, the narrator, is the leading expert on "Naught's Cave" above the Colorado River in Grand Canyon, which by its description is Stanton's Cave.]

GRAND CANYON UNDERGROUND

Fictional Items

Harte, Emmet F.

- 1909 7.378 In the interest of science. *The Black Cat*, 14(5) (February) (161): 1-15. [Fiction. See p. 6, Grand Canyon, *in passing*, with reference to "the mammoth red bats of Roaring Cave in the Grand Cañon".]
- 1916 7.355 In the interest of science. *Canadian Magazine*, 46(5) (March): 421-429. [Fiction. See p. 424, Grand Canyon, *in passing*, with reference to "the mammoth red bats of Roaring Cave in the Grand Canon".]

Mundy, Julia Leigh

- 2014 6.912 *Amazing super heroes: World of Christmas*. Columbia, South Carolina: Bezzle Books, 1st print ed., 30 pp. [An on-demand publication.] [Grand Canyon, see "Stars a'Twinkle, Stars a'Light", pp. 22-23; regarding a "toy Christmas tree" found in a Grand Canyon cave. Likely inspired by Christmas Tree Cave.]

T-Firefly, Rufus [pseudonym]

- 2010 7.720 Global warming causes increased hours of daylight. *The Pointless* (University of Wisconsin at Stevens Point), (April 1): 5. [Fiction. The April-fools issue of *The Pointer*.] [Includes note: "'I'm so hungry, but it's too light to feed,' said one vampire who is withering away to nothing in a cavern in the Grand Canyon." (ENTIRE NOTE)]
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THE “EGYPTIAN CAVE” RUMOR

This section is reprinted from
Contrary Canyon: A Bibliographical Guide to the Grand Canyon’s Unconventional Past
by Earle E. Spamer
(Raven’s Perch Media, 2023, <https://ravensperch.org>)

One of the persistently enduring stories from the “alternative” literature of the Grand Canyon is the one that began probably as editorial filler in the *Arizona Gazette* published in Phoenix on April 5, 1909. The editor’s journalistic exercise in newspaper sales began first in the March 12th issue, where it was reported that one G. E. Kinkaid—a real person, ostensibly, from Idaho—had come down the Colorado River to Yuma, supposedly all the way through the Grand Canyon. The April 5th issue then blew open the door to what now is more than a century of objective and subjective clamor, if not candor, about Kinkaid’s most fantastic discovery. In the depths of the Grand Canyon, 42 miles upstream (amazingly measured precisely without a river map) from the unidentifiably nonsensical “El Tovar Crystal Canyon,” he had found a cave filled with marvelous Egyptian relics. The Smithsonian Institution was mightily interested and sent a Prof. S. A. Jordan to investigate. And there the trail went cold. Later in the twentieth century, writers went nuts when they learned that the Smithsonian disavowed any knowledge of a Prof. S. A. Jordan, much less an Egyptian cave in the Grand Canyon and its astonishing trove. Now absolutely sure of a cover-up, writers point to a fabricated declaration (from the government, of course) that this part of the canyon is *off limits*. (And in the midst of all this, who could resist not working in a connection with the myth of Atlantis, too?) Probably the best overall survey of the Egyptian cave story and its fallout are the well-researched articles by Don Lago (cited below), who is kind in calling the blizzard of web postings that condemn the government’s “cover-up” as “highly elaborate theories.”

GRAND CANYON UNDERGROUND

The "Egyptian Cave" Rumor

Each cited item includes at least a note that pertains to the putative Egyptian cave.

Anonymous

- 1909 Explorations in Grand Canyon. Mysteries of immense rich cavern being brought to light. Jordan is enthused. Remarkable finds indicate ancient people migrated for Orient. *Arizona Gazette* [Phoenix newspaper], (April 5): 1, 7.
▶ *This article is the origin of the Egyptian cave myth.* It has a long citational following in numerous venues to the present day, usually without citation other than *Arizona Gazette* or (in error) *Phoenix Gazette* for 1909, sometimes mistakenly with a Kinkaid byline. "Jordan" is alleged to be a Prof. S. A. Jordan of the Smithsonian Institution, who ostensibly was conducting further explorations of the cave.
- 1909 Remarkable finds in Grand Canyon. *Deseret News*, (May 1): 5 [issue pagination].
▶ Supposed discovery of Egyptian artifacts in Grand Canyon cave by G. E. Kinkaid, as reported in the *Arizona Gazette*.
- 1994 Update on the Egyptians of the Grand Canyon. *World Explorer*, 1(5): 7.
▶ Relates to Childress (1993).
- 2001 Explorations in Grand Canyon. *The Waiting List* (Grand Canyon Private Boaters Association), 5(3) (Fall): 6-7.
▶ Report of G. E. Kinkaid, reprinted from *Arizona Gazette*, April 5, 1909.
- 2005 Egyptian artifacts in the canyon? *In*: Taking the Off-Ramp [SECTION]. *Arizona Highways*, 81(8) (August): 5.
- 2020 Lost civilization; *Arizona Gazette*, April 5, 1909; Explorations in Grand Canyon; remarkable finds indicate ancient people migrated from Orient. *From*: Almanac [SECTION]. *In*: Dundas, Zach (ed.), *Grand Canyon : "the ages at work"*. Austin, Texas: Wildsam Field Guides, p. 55.
▶ Excerpt from a newspaper report; actually pertains to the G. E. Kinkaid story.

Barrios Beretta, Leonardo

- 2018 *Historias prohibidas : misteriosa cueva del Gran Cañón*. [No place]: Amazon Digital Services, 43 pp. [In Spanish.]
▶ An on-demand publication.
- 2018 *Forbidden history : the mysterious cave of the Grand Canyon*. [No place]: Amazon Digital Services, 43 pp.
▶ Translation of *Historias Prohibidas*. An on-demand publication.

Bishop, James P., Jr., AND Mell, Ed

- 2002 Deep secret? *Phoenix Magazine*, (November): 75-80.

Castronova, Jeri

- 2015 *Return of the goddess : the hidden history of Nefertiti—Akhenaten—Mary Magdalene—Scota*. U.S.A.: Light of the Golden Age, LLC, 195 pp.
▶ See Chapter 1, "Arizona—Layers of Time" (pp. 9-27), which relates principally to a putative ancient Egyptian connection with Grand Canyon. An on-demand publication.

GRAND CANYON UNDERGROUND

The "Egyptian Cave" Rumor

Cavenee, Trish

- 2008 Weird and wonderful internet items. Seeing evidence of ancient Egypt in the Grand Canyon. *From the Scribe's Palette* (Egyptian Study Society, Denver), 17(1) (January): [2].
▶ Brief overview of the Egyptian cave story. Not a supportive item.

Childress, David Hatcher

- 1992 *Lost cities of North and Central America*. Stelle, Illinois: Adventures Unlimited Press, 588 pp.
- 1992 Grand discovery; ancient Egyptian city in the Grand Canyon. *Unicus*, 2(1): 26-28. [Cover gives issue as 2(2).]
- 1993 Smithsonianangate. *World Explorer*, 1(3): 16-22.
- 1993 Archaeological coverups? *Nexus New Times*, 2(13).
- 2009 Ancient Egyptians in the Grand Canyon? Is a century-old newspaper story to be believed? *Atlantis Rising*, (75) (May/June): cover, 42-43, 69-70.

Cole, Michael

- 2009 *Secrets of El Tovar Canyon*. Cedarburg, Wisconsin: Foremost Press, 222 pp.
▶ A novel based on the putative discovery of Egyptian relics in Grand Canyon.

David, Gary A.

- 2012 *Star shrines and earthworks of the desert Southwest*. Kempton, Illinois: Adventures Unlimited Press, 384 pp. + advertisements.
▶ See Chapter 5, "Grand Canyon Cave Enigma", pp. 109-147.

Davis, Karen

- 2013 Mystery at the Grand Canyon. *The Defender* (Clan Kincaid), (74) (June): 7.
▶ Taking notice of the 1909 *Arizona Gazette* item.

Denis, Sébastien

- 2018 *Les artefacts impossibles de l'histoire* [*transl.* 'The impossible artifacts of history']. (Illustrations by Bernadette Del Regno.) Éditions La Vallée Heureuse [Cork: Primento Digital Publishing], 104 pp. [*In French.*]
▶ See "La cité reperdue du Grand Canyon" (*transl.* 'The lost city of the Grand Canyon'), which relates to the putative Egyptian cave. The accompanying drawing somewhat resembles the opening of Stanton's Cave.

Gheorghiu, Andra

- 2013 Descoperirile fascinante de sub pământ [*transl.* 'Fascinating discoveries from underground']. *Cunoașterii* (Școala Gimnazială Orizont, București), (1): 24-26. [*In Romanian.*]
▶ Young-reader serial. The author is a school student; the article is signed "Gheorghiu Andra, a VII-a A".

GRAND CANYON UNDERGROUND

The "Egyptian Cave" Rumor

Haughton, Brian

- 2007 *Hidden history : lost civilizations, secret knowledge, and ancient mysteries*. Edison, New Jersey: Castle Books, 271 pp.
▶ See "The Grand Canyon: hidden Egyptian treasure?"
- 2008 *Gizlenen tarih : kayıp medeniyetler, gizli bilgiler ve eskiçağın sırları*. (Halil Ummak, translator.) İstanbul: Koridor Yayıncılık, 398 pp. [In Turkish.]
▶ Translation of *Hidden History*. See "Büyük Kanyon: Gizli bir mısır hazinesi mi?" (pp. 118-124).
- 2009 ถอดรหัสลึกลับประวัติศาสตร์พิศวง [Thoṭrahāt singpradit phitsawong] (ประสิทธิ์ ตั้งมหาสถิตกุล แปล [Prasit Tangmahasathitkul], translator.) Krung thēp [Bangkok]: Mūnnithi Dek. [In Thai.]
▶ Translation of *Hidden History*. Author's name in Thai orthography: ไบรอัน ฮอห์ตัน.

Hinson, William A.

- 2012 *Discovering ancient giants : evidence of the existence of ancient human giants*. Long Island City, New York: Seaburn Publishing Group, 343 pp.
▶ In a chapter on "Egyptian Giants" see "Explorations in Grand Canyon. The Phoenix Gazette [sic]. April 5, 1909", pp. 157-167. Also mixes in the Doheny Scientific Expedition to Havasu Canyon, 1924. An on-demand publication.

Icke, David

- 1999 *The biggest secret*. Scottsdale, Arizona: Bridge of Love Publications USA. (February 1999.)
- 1999 *The biggest secret*. Scottsdale, Arizona: Bridge of Love Publications USA, reprinted April 1999 (printed and bound by Bertelsmann Industry Services, Inc., Valencia, California), 526 pp. (Cover title: *The biggest secret : the book that will change the world*.)
▶ See "Inner-terrestrials?", pp. 24-25, which includes remarks on the "Egyptian cave".
- 1999 *Le plus grand secret*. (Hélène Pallascio and Isabelle Cloutier, translators.) St-Zénon, Québec, Canada: Louise Courteau Éditrice, Inc., 413 [416] pp. (Cover title: *Le plus grand secret : le livre qui transformer à le monde*.) [In French.]
▶ Translation of *The Biggest Secret*. See "Intranéens (Intraterrestres)?" (*transl. 'Intraneans (Intraterrestrials)?'*), pp. 55-56, which includes remarks on the "Egyptian cave".

Jonge, R. M. de

- 2010 Gold ring (c. 1450 BC, Grand Canyon, Arizona). *Midwestern Epigraphic Society Newsletter* (Columbus, Ohio), 27(3) (August): 5-7.
▶ "Editor's note [p. 7]: The ring was found in an area near the south end of Marble Canyon in a little side wash. The discoverer was looking at some petroglyphs when he noticed the ring protruding from the trail he was on." Putatively an Egyptian relic (illustrated on p. 5). The supposed "Egyptian cave" is not mentioned — but might it be implied? The ring's discovery "near the south end of Marble Canyon" is too coincidentally 42 miles upstream from the where the unidentifiable but otherwise suggestive "El Tovar Crystal Canyon" should be (the one mentioned by G. E. Kinkaid in the original Egyptian cave article of 1909—see the introductory note to this Egyptian cave chapter).

Lago, Don

- 2009 "Looks like a Mulhatton story"; the origins of the Grand Canyon Egyptian cave myth. *The Ol' Pioneer* (Grand Canyon Historical Society), 20(2) (Summer): 1, 3-11.
- 2012 Pop go the Egyptians. *The Ol' Pioneer* (Grand Canyon Historical Society), 23(1) (Winter): 3-4.
▶ More on the Egyptian cave story (see also Lago, 2009).

GRAND CANYON UNDERGROUND

The "Egyptian Cave" Rumor

Leather, Tony

- 2002 Raiders of the lost canyon. *Fortean Times*, (154) (February): 46.
▶ A recounting of the report of Egyptian artifacts found in Grand Canyon that was first published in *Arizona Gazette*, April 1909.
- 2003 "Egyptians in Arizona?" *After Dark* (The Official Coast to Coast AM Newsletter), 1(8) (August): 12-13, 15.

Marshall, Michael [Маршалл, Майкл] [*pseudonym*] [Smith, Michael Marshall] *see also* Rutger, Michael

- 2020 *Аномалия : роман* [Anomaliya : roman] [*transl.* 'Anomaly : a novel']. (Екатерины Клиповой [Ekaterina Klipova], translator.) СПб. [Санкт-Петербург]: Азбука-Аттикус [SPb. [Saint Petersburg]: Azbuka-Atticus], 416 pp. (Звёзды мирового детектива [Zvezdy mirovogo detektiva] [World Detective Stars].) [In Russian.]
▶ Translation of *The Anomaly* (see under Michael Rutger). A novel, based on the putative Egyptian cave of Grand Canyon. [Also reprintings.]

McEwan, Barry

- 2001 The Grand Canyon and the Great Pyramid: A connection? *Ancient American*, (38) (April): 2-4.

Meher, Stephen

- 2001 *The land of Osiris*. Adventures Unlimited Press.
▶ See Chapter 15, "Khemit and the Myth of Atlantis", which includes remarks on the putative Egyptian cave.
- NO DATE Article E. Khemit and the myth of Atlantis. *In*: DeSalvo, John, *The complete pyramid sourcebook*. [No place]: House of Books / Pr-Mdjat, pp. 235-249.
▶ Reprinted from Meher (2001).

Michaels, Denver

- 2021 *Detours into the paranormal : canyon country*. [No imprint], 118 pp.
▶ Alternative perspectives on archaeology, including the putative Egyptian cave of Grand Canyon, putative dinosaurs in rock art, etc. An on-demand publication.

Nelson, Bob

- 1994 Explorations in Grand Canyon; update. *Borderlands* (Borderland Sciences Research Foundation, Garberville, California), 50(1) (1st Quarter): 48.
▶ Regarding the putative Egyptian cave; with lengthier comment by unsigned editor.

Rimmasch, Paul

- 2011 *The lost stones*. Springville, Utah: Bonneville Books, 183 pp.
▶ A novel, based in part on the putative discovery of Egyptian artifacts in a Grand Canyon cave.

Rutger, Michael [*pseudonym*] [Smith, Michael Marshall] *see also* Marshall, Michael

- 2018 *The anomaly*. New York and Boston: Grand Central Publishing, 339 [341] pp.
▶ A novel, based on the putative Egyptian cave of Grand Canyon.
- 2019 *The anomaly*. London: Zaffre, 437 pp.

GRAND CANYON UNDERGROUND

The "Egyptian Cave" Rumor

- 2019 *Anomalie*. (Winifred Czech, translator.) Köln: Bastei Lübbe AG, 464 pp. [In German.]
▶ Translation of *The Anomaly*.
- 2020 *L'Anomalie*. (Claire Kreutzberger, translator.) Paris: Éditions Bragelonne, 448 pp. [In French.]
▶ Translation of *The Anomaly*.

Sampson, Susan

- 2008 Curiosities and facts; ancients in the Americas. *Light Works* (Tamara Spiritual Center, Tucson), 8(4) (April): [4].
▶ Includes note of the popular tradition of an Egyptian cave in Grand Canyon.

Smith, Drifter

- 2003 (COMPILER) Unlikely stories. *The Waiting List* (Grand Canyon Private Boaters Association Quarterly), 6(3) (Fall): 46-49.
▶ Includes "Excerpt from 'Archaeological Coverups'", regarding the 1909 *Arizona Gazette* story.

Tate, Karen

- 2006 *Sacred places of Goddess : 108 destinations*. San Francisco: Consortium of Collective Consciousness, 415 pp.
▶ See pp. 333-336, regarding Grand Canyon, Native Americans, and putative Egyptian relics.

Tsarion, Michael

- 2002 *Atlantis, alien visitation, and genetic manipulation*. Santa Clara, California: Angels at Work Publishing, 440 pp.
▶ See p. 289 and following, "Egyptian Artifacts in the Grand Canyon".
- 2009 *Atlantis, alien visitation and genetic manipulation*. Seattle, Washington: Taroscopes, 2nd ed., 571 pp.
▶ See pp. 31, 33.

Zarley, Joel S.

- 2012 *The shadow of Isis*. Columbus, Ohio: Purple Palm Media, 318 pp.
▶ A novel, based on the putative Egyptian cave of Grand Canyon. An on-demand publication.
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