

BIBLIOGRAPHY *of* PALEONTOLOGY
of the
GRAND CANYON REGION

AND IN THE STRATIGRAPHIC CONTINUITY OF GRAND CANYON FORMATIONS

Compiled to Commemorate the
Centennial of Grand Canyon National Park
and
National Fossil Day 2019

Extracted from
THE GRAND CANON
A WORLDWIDE BIBLIOGRAPHY OF THE
GRAND CANYON AND LOWER COLORADO RIVER REGIONS
IN THE UNITED STATES AND MEXICO

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INTRODUCTION

THE CITATIONS LISTED HERE have been extracted from *THE GRAND CANON*, a far more expansive bibliography of the Grand Canyon and lower Colorado River regions of southwestern North America. (*THE GRAND CANON* is completely accessible online at <https://ravensperch.org>.) The list here is from Part 21 of that work ("Geology and Paleontology of the Grand Canyon Region").

In this paleontology bibliography, and in *THE GRAND CANON* overall, earth-science citations embrace studies and remarks about Grand Canyon rock units *and* their stratigraphic continuity beyond the canyon-proper, as well as Mesozoic strata in the areas nearest the Grand Canyon. The extralimital references are important for their focus on correlative stratigraphic and paleoecological analyses that, in turn, reflect upon studies in the Grand Canyon. Studies embrace the time-stratigraphic range from Neoproterozoic to Pleistocene, and sub-fossil occurrences in the Holocene.

Culling these paleontology citations from *THE GRAND CANON* was an opportunistic effort, not originally a part of the main bibliography. (A bibliography for material that limits itself only to, or includes data from, Grand Canyon National Park alone would be a labor-intensive effort requiring page-by-page examinations of many of the citations here, and more.) The publications listed here are those that have obvious reference to paleontology. There are many more citations that might have been added, particularly those that relate to broad stratigraphic, sedimentological, and paleogeological studies, which by implication should also contain references to fossils; and similarly, texts that embrace the general geology of the Grand Canyon that should include detailed or superficial commentaries on fossils. However, without a wholesale revisit to all of these publications it is not clear which among them do contain paleontological data. Part 21 of *THE GRAND CANON* does contain all citations that relate to the earth sciences for the greater Grand Canyon region.

Each citation here includes an Item number (for example, 21.6265; the prefix "21." indicates that it is from Part 21 of the much larger bibliography, *THE GRAND CANON*). They serve as serial numbers only, which uniquely identify citations throughout *THE GRAND CANON*. Numbers are assigned as citations are acquired for the bibliography, thus they do not follow in order. See *ravensperch.org* for everything pertaining to the complete bibliography.

Publications that relate to creationist and young-earth perspectives of Grand Canyon geology are included here with the understanding that this is an ongoing, sometimes tempestuous, field of study that contrasts ideas of faith with the tenets and methodologies of empirical and falsifiable science. Accordingly, some users of this bibliography may object to including creationist research with the science-based works of geology. However, these are topically identical so they are not segregated. To assist researchers looking for contrasting perspectives, both for and against creationist-held views embracing the Grand Canyon, these citations are denoted in the bibliography with Item numbers in italics. Many more creationism-focused publications might have been listed but it is not clear without revisiting all of them which among them add discussions of fossils. Again, refer to Part 21 of *THE GRAND CANON* for all pertinent citations.

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ANONYMOUS

- 1884 21.3802 ["Two miners report finding a series of footprints in Grand Cañon, Arizona."] *Harper's Weekly*, 28(1414) (January 26): 63. ["In form they are such as would be made by a bare human foot, but each one, the miners say, is twenty-six inches long and twelve inches wide, and the depth of the imprint at the ball of the foot is six inches. Say that a twelve-inch foot goes to a six-foot man, which is the droughtsman's rule, the man who made these imprints must have been thirteen feet in height. The imprints are evenly eighteen feet apart, which would indicate that he was fairly bounding along."] [Cryptopaleontology. See also Anonymous (1884, [ITEM NO. 21.5047](#)).]
- 1884 21.5047 Ancienne race humaine. *In*: *Nouvelles de Tous les Points du Globe* [SECTION]. *L'Exploration* (Paris), 17: 728. [Reported from the *Champion* (Peach Springs, Arizona), "MM. Spencer et Ridenour" (Charles Spencer and William "Bill" B. Ridenour, miners) reported finding large footprints attributed by local Indians to an ancestral race.] [Cryptopaleontology. See also Anonymous (1884, [ITEM NO. 21.3802](#)).] [[In French.](#)]
- 1901 21.5596 Early American giants. *The Christian Work*, 71 (August 15): 239. [Cryptopaleontology. Fossilized human "giant" in Grand Canyon; story related to the author by "Mr. Hull" when the author visited Hance Trail. Hull had been directed to the "giant" by Indians.]
- 1918 21.6265 List of accessions to the collections during the fiscal year 1916-1917. *In*: *Report on the progress and condition of the United States National Museum for the year ending June 30, 1917*. Washington, D.C.: U.S. Government Printing Office, pp. 99-142. [See p. 119: ". . . a collection of vertebrate fossils obtained by Mr. L. F. Noble in the Grand Canyon of Arizona, consisting of amphibian or reptile tracks from the Coconino sandstone and Devonian fish remains from the Temple Butte limestone (60064) . . ."]
- 1926 21.21 Fossil fish. *Grand Canyon Nature Notes*, 1(7) (November 11): 4. [Ribs and backbone of a fish from the Kaibab limestone near Bright Angel Ranger Station, North Rim.]
- 1926 21.22 Prehistoric footprints from the Grand Canyon. *Scientific American*, 134: 330.
- 1926 21.7377 Prehistoric footprints from the Grand Canyon. *Science*, New Series, 63(1638) (May 21): xvi.
- 1926 21.7378 Prehistoric footprints from the Grand Canyon. *Canadian Medical Association Journal*, 16(7) (July): 857. [Credited to *Science*, May 21, 1926 (Anonymous, 1926, [ITEM NO. 21.7377](#)).]
- 1926 21.5297 Fossil footprints ages old found in Grand Canyon. *Popular Mechanics Magazine*, 46(3) (September): 433.
- 1927 21.5124 Footprints millenniums old. *Popular Science Monthly*, 111(4) (October): 36.
- 1928 21.29 Lessons from a graveyard. *Grand Canyon Nature Notes*, 3(5) (October 31): 1.
- 1929 21.7204 Scientific work. *Grand Canyon Nature Notes*, 3(10) (June 30): 1-2. [Includes note of David White studying fossil flora and Precambrian sedimentary strata.]

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- 1929 21.30 Hither and yon. *Grand Canyon Nature Notes*, 4(2) (October 31): 13-14. [Includes brief note of fossil footprints in the Coconino Sandstone in Bass Canyon (p. 13).]
- 1930 21.31 Disclosures of ancient life in the Grand Canyon. *Carnegie Institution of Washington, News Service Bulletin*, 2: 63-70.
- 1930 21.34 Briefs. *Grand Canyon Nature Notes*, 4(6) (April 30): 37. [Brief note of fossils in Bright Angel Shale along Tonto Trail.]
- 1930 21.35 Odds and ends. *Grand Canyon Nature Notes*, 4(8) (June 30): 56. [Trilobite fossils in Muav Limestone, which "probably represent new species".]
- 1930 21.7209 Briefs. *Grand Canyon Nature Notes*, 5(1) (November 30): 11. [Range extension of Coconino Sandstone trackway. Edwin D. McKee sighted "large footprints" west of Seligman, Arizona, "65 miles beyond the nearest track locality in the Grand Canyon."]
- 1936 21.37 Find well preserved sloths in cave resembling stable. *Science News Letter*, (September 5): 157. [Rampart Cave.]
- 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).]
- 1937 21.4852 Most ancient animal life. *Science News Letter*, (December 18): 391. [Precambrian jellyfish from Grand Canyon (later named *Brooksella canyonensis*).]
- 1977 21.6237 Fossil fire. *National Park Service Newsletter*, 12(4) (April): 3. [Rampart Cave fire.]
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- 1995 21.53 Bag of tricks. *Grand Canyon Field Notes* (Center for Resource Interpretation, Grand Canyon National Park), (7) (December 11): [2]. [Packrat middens.]
- 1998 21.4811 Disney World displays Grand Canyon fossils. *Park Paleontology* (U.S. National Park Service), 4(1) (Winter): 4.
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- 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.]
- 2015 21.6779 Other things. *Smoke Signals* (Kaibab Band of Paiute Indians), (August): [unpaginated]. [Photograph of fossil collected in Grand Canyon by Susannah Porter. Notes Tribal Council approval of her request to name the fossil *Kaibabia* after the Kaibab Band of Paiute Indians. No further details. A *nomen nudum* here. See Porter and Riedman, 2016, [ITEM NO. 21.7114](#), for formal erection of the genus.]
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