

# THE GRAND CANON

A Worldwide Bibliography

*of the*

Grand Canyon *and* Lower Colorado River  
Regions in the United States and Mexico

16<sup>th</sup> to 21<sup>st</sup> Centuries

**Volume 1, Part B: Bibliography**

FIFTH EDITION

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BIBLIOGRAPHICAL AND HISTORICAL RESOURCES ON THE  
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THE GRAND CANON : A WORLDWIDE BIBLIOGRAPHY OF THE GRAND CANYON AND LOWER  
COLORADO RIVER REGIONS IN THE UNITED STATES AND MEXICO, 16th TO 21st CENTURIES  
Volume 1, Part B: Bibliography

Fifth Edition

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CATALOGERS NOTE  
canon: *a standard or  
essential list of works*

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**The Grand Canon**  
*not* The Grand Canyon

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# THE GRAND CANON

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

## 19

### BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Publications on organismal biology, ecology, and modeling and research applications relating to biological communities in the Grand Canyon ecoregion, including the Colorado River corridor through the Grand Canyon; and general items relating to organismal resources in the region**

**OVERVIEW.** This part includes documents on biological censuses and the biology and ecology of animal, plant, and protist organisms as occurring in the Grand Canyon region, including the Colorado River below Glen Canyon Dam; and that part of Lake Mead that encroaches into western Grand Canyon. This part also includes biological reports and studies that have been part of scientific investigations conducted for the purpose of environmental management of public lands in the Grand Canyon region. Also included here are general articles about information on organisms, resources and activities; for example, fishing, hunting, and conservation. Documents that are **Environmental Impact Statements**, and similar administrative and guidance documents, are mostly included in [PART 13](#) (ADMINISTRATIVE AND MANAGEMENT ISSUES) because they usually embrace multiple areas of administrative oversight, are not solely focused on ecological concerns as might be inferred from the title, and may offer a variety of management alternatives. Exceptions are those documents that are specifically or predominantly biological or ecological in perspective. Documents pertaining to the experiences of field work in this region are included in this part (Part 19).

#### RELATED MATERIAL

[PART 3](#). *THE NEW YORK TIMES* for additional items that relate to this part of the bibliography (which are not repeated in this part)

[PART 6](#). YOUTH for pertinent items that relate to this part of the bibliography

[PART 11, SECTION 1](#) for items pertaining to natural history in the lower Colorado River corridor in Lake Mead and downstream

[PART 15](#). HEALTH AND SAFETY for items that relate to human health concerns of biogenic and environmental origin, and the Appendix to Part 15 for maps of wildland fire dispatch zones

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**Also consult the following separately available productions from  
Raven's Perch Media**

#### GROUNDWATERS

##### **Groundwaters of the Grand Canyon Region, Arizona.** (2024)

A Research Bibliography of Groundwater Hydrology and the Record of Environmental Issues, Legislative Oversight, and Native American Cultural Concerns of Groundwater Use : with annotations : plus

A Bibliography of Grand Canyon Springs Ecology : 1880–2024

With introduction.

2.7 MB; 102 pp.

<https://ravensperch.org/wp-content/uploads/2024/11/Groundwaters.pdf>

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### KAIBAB PLATEAU

**Kaibab Plateau Ecology.** (2024)

An Inclusive Research Bibliography with Annotations (1893–2024) : Grand Canyon National Park (North Rim) and Kaibab National Forest (North Kaibab Ranger District), Arizona : plus A Chronological–Historical Bibliography of Bioecology and Conservation of Kaibab Deer  
With introduction.

2.8 MB; 184 pp.

<https://ravensperch.org/wp-content/uploads/2024/11/Kaibab-Plateau-Ecology.pdf>

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### BOTANY

**Bibliography of Botany of the Grand Canyon Region.** *3rd Edition* (2025).

2.2 MB, 242 pp.

[https://ravensperch.org/wp-content/uploads/2025/01/Botany\\_3rd-ed.pdf](https://ravensperch.org/wp-content/uploads/2025/01/Botany_3rd-ed.pdf)

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### ENTOMOLOGY

**Bibliography of Entomology of the Grand Canyon Region (Insects, Arachnids, and Other Arthropods).**

*3rd Edition* (2025).

1.2 MB, 95 pp.

[https://ravensperch.org/wp-content/uploads/2025/01/Entomology\\_3rd-ed.pdf](https://ravensperch.org/wp-content/uploads/2025/01/Entomology_3rd-ed.pdf)

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### ICHTHYOLOGY OF THE LOWER COLORADO RIVER

**Bibliography of the Ichthyology of the Lower Colorado River: Glen Canyon Dam to the Río Colorado Delta, Grand Canyon Tributaries, and Lower Virgin and Muddy Rivers (Arizona, Nevada, California, Baja California, Sonora).** *3rd Edition* (2025).

Citations are typographically distinguished between those for the Grand Canyon and for the Lower Colorado River region below Grand Canyon.

2.1 MB, 196 pp.

[https://ravensperch.org/wp-content/uploads/2025/01/Ichthyology\\_3rd-ed.pdf](https://ravensperch.org/wp-content/uploads/2025/01/Ichthyology_3rd-ed.pdf)

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### INVERTEBRATES

**Bibliography of Invertebrates of the Grand Canyon Region (Except Insects and Other Arthropods).** *3rd Edition* (2025).

485 KB, 31 pp.

[https://ravensperch.org/wp-content/uploads/2025/01/Invertebrates\\_3rd-ed.pdf](https://ravensperch.org/wp-content/uploads/2025/01/Invertebrates_3rd-ed.pdf)

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### ORNITHOLOGY

**Bibliography of Ornithology of the Grand Canyon Region.** *3rd Edition* (2025).

1.1 MB, 104 pp.

[https://ravensperch.org/wp-content/uploads/2025/01/Ornithology\\_3rd-ed.pdf](https://ravensperch.org/wp-content/uploads/2025/01/Ornithology_3rd-ed.pdf)

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### PROTISTS

**Bibliography of Protists and Other Microorganisms of the Grand Canyon Region.** *2nd Edition* (2025).

283 KB, 8 pp.

[https://ravensperch.org/wp-content/uploads/2025/01/Protists\\_2nd-ed.pdf](https://ravensperch.org/wp-content/uploads/2025/01/Protists_2nd-ed.pdf)

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### TERRESTRIAL VERTEBRATES

**Bibliography of Terrestrial Vertebrates of the Grand Canyon Region (Includes Bats, Excludes Birds).**

*3rd Edition* (2025).

1.7 MB, 165 pp.

[https://ravensperch.org/wp-content/uploads/2025/01/Terrestrial-Vertebrates\\_3rd-ed.pdf](https://ravensperch.org/wp-content/uploads/2025/01/Terrestrial-Vertebrates_3rd-ed.pdf)

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### TAXONOMY

**Bibliography and Annotated Checklist of Living Organisms First Named from the Grand Canyon and Vicinity (Northwestern Arizona).** *2nd Edition* (2024).

2.4 MB; 205 pp.

[https://ravensperch.org/wp-content/uploads/2024/10/Species-Checklist\\_\\_2nd-edition.pdf](https://ravensperch.org/wp-content/uploads/2024/10/Species-Checklist__2nd-edition.pdf)

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### NOTES FOR PART 19

THIS section of the bibliography contains a great deal of taxonomic nomenclature of biological organisms; the so-called binomial and trinomial nomenclature of genera and species (*Genus species*; *Genus species subspecies*; *Genus species var. variety*, in italics) and capitalized proper names of higher taxonomic groups (like phyla, classes, and families, not italicized). Although a citation will be exactly as printed, in notes that may follow it I have taken the opportunity to clarify some of the nomenclatural conventions that may not be intuitive to those who do not practice in these fields. I have indicated as best as I have been able the newly introduced taxa in a publication that come from localities within the geographic embrace of this bibliography. To disambiguate variant usages, in the notes that I append to some citations I use spelled-out phrases to bring attention to these new taxa. For example, "new species" is used instead of the nomenclaturally more conventional "n. sp.", "nov. sp.", "sp. n." or "sp. nov." (which in any case are synonymous terms); likewise for "new genus", "new subgenus", "new subspecies", "new variety", "new combination", "new status", "new name", or any similar usage with a taxonomic name. In this fashion, too, one may find in this bibliography all such cited occurrences simply by searching for the spelled-out "new species" (etc.). The conventional forms do also appear when they are a part of a title or a quotation.

Ornithological style conventions call for the accepted common names of birds to be capitalized; for example, the Southwestern Willow Flycatcher and the Yuma Clapper Rail. Such usage is meant to convey the idea that the bird in question is one with a single, established taxonomic (scientific) name. This convention is not followed in this bibliography, in so far as no other animal or plant species is conformably capitalized by practitioners in those fields, and to accordingly single out birds is awkward. Only in the case of direct quotations (within quotation marks) are bird common names shown herein with capital letters.

In quoted texts, ♂ and ♀ indicate specimens that are male and female, respectively.

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

*The Colorado River Ecosystem v. State of Colorado*

Special note is made here of a series of papers that pertain to the novel 2017 legal case, *The Colorado River Ecosystem v. State of Colorado*. Though it was soon voluntarily terminated by the plaintiffs, it was to establish the legal right of environmentally defined “personhood” for the Colorado River (in Colorado specifically, but with implied pertinence to the remainder of the Colorado River). The citations are cited throughout Part 13 herein (and one item from *The New York Times*, Part 3 herein), but are grouped below for their informational value as it applies to the subjects of Part 19.

**U.S. District Court, District of Colorado**

- 2017 13.5414 *Colorado River Ecosystem, The v. State of Colorado (1:17-cv-02316)*. U.S. District Court, District of Colorado. [This is the novel complaint filed by Denver-based attorney Jason Flores-Williams on behalf of the Colorado River, which sought personhood, through the rights-of-nature doctrine, for the Colorado River. It would have been the first such case in the U.S. Amended complaints were filed, which included additional plaintiffs. While the filing was for the Colorado River in the Upper Basin, it had implied application to the entire river, and thus should be at least noticed in this bibliography. Certain discussions from the literature are also cited herein, and are cross-referenced to this case before the Court. The case eventually was terminated later in 2017 based on the plaintiffs’ own voluntary motion to dismiss the case. A complete summary of events is available online at <https://www.courtlistener.com/docket/6158241/colorado-river-ecosystem-the-v-state-of-colorado/>. A complete list of plaintiffs and defendants is also available at <https://www.courtlistener.com/docket/6158241/parties/colorado-river-ecosystem-the-v-state-of-colorado/>.]

**Clark, Cristy; Emmanouil, Nia; Page, John; AND Pelizzon, Alesandro**

- 2018 13.5415 Can you hear the rivers sing? Legal personhood, ontology, and the nitty-gritty of governance. *Ecology Law Quarterly*, 45: 787-844. [Regarding the proposed Colorado River “personhood” case, see section “V. Colorado River, United States” (pp. 818-823).]

**Danieu, Eamon**

- 2022 13.5416 Release the river: Recognizing legal rights for natural objects to remedy continuing issues in American environmental law. *Buffalo Law Review*, 70(5) (December): 1927-1972. [Regarding the proposed Colorado River “personhood” case, see pp. 1944-1946.]

**Krömer, Michaela; Wagner, Erika; Bergthaler, Wilhelm; AND Grabmair, Lukas**

- NO DATE 13.5417 *Eigenrechts Fähigkeit der Natur*. Linz: Johannes Kepler Universität Linz, Instituts für Umweltrecht, 140 pp. [Regarding the proposed Colorado River “personhood” case, see p. 25.] [In German.]



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Mandler, Michelle**

- 2022 13.5418 Nature deserves rights, too: the case for a “rights of nature” constitutional amendment. *Journal of Civil Rights and Economic Development*, 35: 111-148. [Regarding the proposed Colorado River “personhood” case, see “The United States: No Federal or State Rights of Nature, and the Colorado River Ecosystem” (pp. 142-143).]

**McClelland, Roanna**

- 2023 13.5419 Rights of rivers in a changing climate. *Climate Law*, 13: 237-250. [Regarding the proposed Colorado River “personhood” case, see p. 243.]

**McDonough, Caroline**

- 2019 13.5420 Will the river ever get a chance to speak? Standing up for the legal rights of nature. *Villanova Environmental Law Journal*, 31(1): 143-164. [Regarding the proposed Colorado River “personhood” case, see pp. 145-147.]

**Miller, Matthew**

- 2019 13.5421 Environmental personhood and standing for nature: Examining the Colorado River case. *University of New Hampshire Law Review*, 17(2): 355-377.

**Ochoa, Christiana**

- 2021 13.5422 Nature’s rights. *Michigan Journal of Environmental and Administrative Law*, 11(1): 39-86. [Regarding the proposed Colorado River “personhood” case, see p. 82.]

**Pain, Nicola, AND Pepper, Rachel**

- 2021 13.5423 Can personhood protect the environment? Affording legal rights to nature. *Fordham International Law Journal*, 45(2): 315-377. [Regarding the proposed Colorado River “personhood” case, see pp. 366-367.]

**Ruru, Jacinta**

- 2018 13.5424 First laws: Tikanga Māori in/and the law. *Victoria University of Wellington Law Review* (New Zealand), 49: 211-228. [Regarding the proposed Colorado River “personhood” case, see p. 224.]

**Szigeti, Péter**

- 2021 13.5425 A sketch of ecological property. *Environmental Law*, 51(1): 41-87. [Regarding the proposed Colorado River “personhood” case, see pp. 57, 85.]

**Takacs, David**

- 2021 13.5426 We are the river. *University of Illinois Law Review*, 2021(2): 545-605. [Regarding the proposed Colorado River “personhood” case, see pp. 599-600.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Turkewitz, Julie**

2017 3.1974 Plaintiff in federal lawsuit over a violation of rights is the Colorado River. *The New York Times*, (September 26): A14. .]

**Warner, Elizabeth Kronk, AND Lillquist, Jensen**

2023 13.5427 Laboratories of the future: Tribes and rights of nature. *California Law Review*, 111: 325-393. [Regarding the proposed Colorado River “personhood” case, see pp. 354, 361.]

**White, Hannah**

2018 13.5428 Indigenous peoples, the international trend toward legal personhood for nature, and the United States. *American Indian Law Review*, 43(1): 129-165. [Regarding the proposed Colorado River “personhood” case, see p. 131, and “The Colorado River” (pp. 158-165).]

**Zentmeyer, Brooke**

2022 13.5429 Towards a Loraxian praxis: Lessons from legal history, Lake Erie, and *The Lorax*. *Ohio State Law Journal Online*, 83:1-16. [Regarding the proposed Colorado River “personhood” case, see pp. 6-7).]

[GO TO END OF ANONYMOUS IN THIS PART](#)

## ANONYMOUS

### PUBLICATION NOT DATED: DATE NOT DETERMINED NOR ESTIMATED

- NO DATE 19.1 *Life zones and ecosystems*. Grand Canyon Natural History Association, pamphlet.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 86| |CITED» GCNHA Monograph 8: page 4-9|
- NO DATE 19.2 *Arizona wildlife : mammals*. Arizona Game and Fish Department, Form 4012, [32] pp.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-31|
- NO DATE 19.2263 Restoring the Uinkaret Mountains: Operational lessons and adaptive management practices. *Working Papers in Southwestern Ponderosa Pine Forest Restoration* (Northern Arizona University, Ecological Restoration Institute), (1), 8 pp.
- NO DATE 19.2264 Understory plant community restoration in the Uinkaret Mountains, Arizona. *Working Papers in Southwestern Ponderosa Pine Forest Restoration* (Northern Arizona University, Ecological Restoration Institute), (2), 4 pp.
- NO DATE 19.3487 Special deer conference. *In*: The Pennsylvania Deer Problem. *Pennsylvania Board of Game Commissioners, Bulletin 12* [re-release], [Part 2], pp. 48-50. [Re-release of *Bulletin 12* with pagination continued in added Part 2.] [See p. 49, notes on Kaibab Plateau.]

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### PUBLICATION NOT DATED: DATE ESTIMATED, ATTRIBUTED, OR KNOWN FROM ORIGINAL RECEIPT

- NO DATE 19.4566 *History of wildlife management in the Intermountain Region*. Ogden, Utah: U.S. Forest Service, Intermountain Region, 44 pp. [1990.] [Kaibab Plateau, see pp. 13-18, which principally is an excerpt from John P. Russo's "The Kaibab North Deer Herd" (Russo, 1964, ITEM NO. 19.1418).]
- NO DATE 19.3 *Aliens invade Grand Canyon!* [U.S. National Park Service, Grand Canyon National Park], [2] pp. [Non-native plants.] [Copy received from Grand Canyon, 1995.] [Fact sheet.]
- NO DATE 19.3645 *Natal origins of rainbow trout and survival of juvenile humpback chub*. U.S. Geological Survey, [2] pp. [2012.] [Fact sheet.]
- NO DATE 19.3794 *Arizona's important bird areas*. [No place]: Tucson Audubon Society, Audubon Arizona, Arizona Game and Fish Department, Arizona Bird Conservation Initiative, and BirdLife International, 52 pp. [2012?]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

- NO DATE 19.4386 *Adventurers and Scientists for Conservation : 2011 highlights*. [No place]: Adventurers and Scientists for Conservation, 21 pp. [See pp. 10-11, "Featured Connection; Grand Canyon Diatom Sampling; Arizona". Lucy Marcus.] [2012?]
- NO DATE 19.4029 Bill Hurst and the Kaibab squirrel. *The Lookout* (National Association of Forest Service Retirees), 7(5): [unpaginated]. [2013?]
- NO DATE 19.4405 *Glen Canyon Dam Adaptive Management Program fish community monitoring*. U.S. Geological Survey, [2] pp. [2013?] [Fact sheet.]
- NO DATE 19.5193 *Native plants of the Vermilion Cliffs*. [No place]: Grand Canyon Trust, Friends of the Cliffs, and U.S. Bureau of Land Management, folded brochure. [2016.]
- NO DATE 19.6957 *Birds and climate change : Grand Canyon National Park*. U.S. National Park Service, Grand Canyon National Park, 7 pp. [Ca. 2019.]

**DATED PUBLICATIONS, GROUPED BY YEAR**

- 1892 19.3272 Personal notes. *Psyche*, 6 (July) (195): 292-293. [Includes notice of embarkation of C. H. Tyler Townsend "on a field trip by wagon from [Las Cruces] to the Grand Cañon of the Colorado via Flagstaff" where they will also meet another party under Prof. Toumey.]
- 1892 19.3225 Calendar of Societies [SECTION]. *Science*, 20 (November 11) (510): 278. [Includes notice for presentations to New Mexico Society for the Advancement of Science, Las Cruces, New Mexico: ". . . C. H. Tyler Townsend, A Partial Comparison of the Insect Fauna of the Grand Cañon with that of the San Francisco Mountain, in Arizona . . ." (ENTIRE NOTE)]
- 
- 1893 19.4 Arizona game preserves. *Arizona's Resources*, 1 (February): 18.  
 ≡ CROSS-LISTINGS GOODMAN 2522
- 1893 19.3691 Proceedings of the New Mexico Society for the Advancement of Science. *In*: Proceedings of Scientific Societies [SECTION]. *American Naturalist*, 27 (March): 310-312. [See "Meeting of November 2, 1892, at La Cruces.—(No. 1.)", pp. 310-311, summary of a paper by [C. H. Tyler] Townsend, "A partial comparison of the insect fauna of the Grand Cañon with that of the San Francisco Mountain in Arizona"; and which also notes (p. 311), "Specimens of insects were exhibited . . . and many photographs and views of the cañon region were shown." And see repeated under "(No. 3)" (p. 311): "Quite a number of specimens of the insect fauna of Grand Cañon and the San Francisco Mountains of Arizona were exhibited by Professor Townsend, besides some photographs taken during the trip."]
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- 1894 19.3612 [Notice of description of *Ostrya knowltonii* Cov. from Grand Canyon.] *In*: News and Notes [SECTION]. *Botanical Gazette*, 19(5) (May): 212.
- 
- 1895 19.4815 [Marcus E. Jones.] *In*: De Alumnis [SECTION]. *The Unit* (Iowa College), 10(4) (February 23): 39. ["A letter from Marcus E. Jones [class of 1875] informs us that he

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

		will be in Washington until May and that his book on the botany of the Grand Canyon district will be out soon thereafter." (ENTIRE NOTE)] [NOTE: No monograph on the subject by the author has been identified.]
1895	19.3208	New or little-known plants. <i>Agave Utahensis</i> . <i>Garden and Forest</i> , 8 (September 25): 384, 385.
1899	19.3231	[Forest fire on Kaibab Plateau.] <i>In</i> : Forest Fires [SECTION]. <i>The Forester</i> (American Forestry Association), 5(7) (July): 168. ["Kanab, Utah.—Three immense forest fires swept Buckskin mountains, in northern Arizona and southern Utah. Over 100 square miles of timber on the Grand Canon forest reserve were destroyed." (ENTIRE NOTE)]
1899	19.3279	[T. H. Macbride plans to work at Grand Canyon.] <i>In</i> : News [SECTION]. <i>Botanical Gazette</i> , 28(1) (July): 79. [". . . Professor T. H. Macbride will probably spend the summer in the Grand Cañon of the Colorado, studying the forest problems there for report to the United States Department of Agriculture, and incidentally picking up the fungi of the region." (ENTIRE NOTE)]
1901	19.3180	Arizona's pine forest reserve. <i>The School Journal</i> , 62(25) (June 22): 706. [Brief note.]
1901	19.3529	Kanab [NEWS]. Mustang hunting. Ranchmen engaged in rounding-up the wild horses of the plains. <i>Deseret News</i> , (October 16): 7 [issue pagination]. (From <i>New York Evening Sun</i> .) [Brief item of ranchmen of northwestern Arizona, southwestern Utah, and Nevada gathering at Pipe Spring for a wild-mustang hunt in the region.]
1902	19.3197	The horned toads. <i>Birds and Nature</i> , 12(4) (November): 178-180. [See p. 179.] [Written in the first-person but without by-line.]
1903	19.3803	The A. O. U. trip to California. <i>In</i> : Notes from Field and Study [SECTION]. <i>Bird-Lore</i> , 5(3) (May/June): 99-100. [American Ornithological Union. Grand Canyon, pp. 99-100.]
1903	19.3475	The Botanical Laboratory of the Carnegie Institution. <i>Scientific American Supplement</i> , 56(1444) (September 5): 23145. [Includes note of exploration in the bottom of Grand Canyon. Credited to <i>New York Times</i> .]
1904	19.4067	Accessions. <i>New York Botanical Garden, Journal</i> , 5(49) (January): 17-24. [See p. 23: "1 specimen of <i>Fraxinus</i> from the Grand Cañon of the Colorado. (Given by Miss Alice Eastwood.)" (ENTIRE NOTE)]
1905	19.3280	[W. M. Wheeler field work on the Formicidae of the Southwest, including Grand Canyon.] <i>In</i> : Museum News Notes [SECTION]. <i>American Museum Journal</i> (American Museum of Natural History), 5(2) (April): 91.
1905	19.4093	[Game preserve.] <i>Shooting and Fishing</i> , 38(23) (September 14): 445. ["It is understood that the Utah and Arizona representatives in Congress have agreed to join in placing before the next session a bill making a game preserve on the region lying

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

between the southern Utah line and the Grand Canon of Arizona, an area of about 2000 square miles. It is intended that the Government shall stock the ground with buffalo and rare animals and shall fence it in. Only a few years ago the district proposed to be stocked was full of deer and antelope, which have been almost entirely destroyed by Ute Indians from Colorado, who slaughtered the game wontonly and unnecessarily." (ENTIRE ITEM)]

1905 19.3530 Kanab [NEWS]. To perpetuate the buffalo. Buffalo Jones on way to Grand Canyon with herd. *Deseret News*, (October 26): 9 [issue pagination].

1906 19.3531 Fredonia, Arizona [NEWS]. *Deseret News*, (January 19): 9 [issue pagination]. ["Col. Jones has his buffalo and cattalo 40 miles southeast from here. The country is turning into a primitive west. While the last drove of animals were being driven from Lund, one large buffalo bull was lost on the prairie near Rockville. No particular danger from stampede is anticipated, but it make take a Buffalo Bill to 'round' him in. Tourists will soon be able to find a veritable 'Wild West Show' in the Buckskin mountains [Kaibab Plateau]." (ENTIRE NOTE) (Buffalo Jones.) (See also Anonymous, 1906, [ITEM NO. 19.3532.](#))]

1906 19.3532 Fredonia, Arizona [NEWS]. Only 20,000 sheep will enter reserve—Buffalo bull again at large [and other news]. *Deseret News*, (February 28): 11 [issue pagination]. ["Supervisor Pratt of the Northern Division of the Grand canyon reserve is in possession of information that corrects a statement made in the 'News' some time ago to the effect that 30,000 sheep would be allowed to graze on the reserve. Twenty thousand is the maximum that will be allowed and these are limited to what is designated as district No. 3, a portion of the country that is suitable principally for winter range. [¶] The buffalo bull lost on the desert near here has been found and coaxed into a corral. But the animal seems to ignore such contrivances, so he simply smashed the posts and gained his freedom. He may get tender hearted when spring opens and let the boys round him in again." (ENTIRE NOTES)]

1906 19.3533 Fredonia, Arizona [NEWS]. *Deseret News*, (July 10): 9 [issue pagination]. ["The Buffalo and Catalo and Persian sheep are located on Bright Angel point where they are within reach of the telescopes of tourists sitting at the big hotel on the side where the railroad comes to the brink." (ENTIRE NOTE)]

1906 19.3534 Toquerville [NEWS]. *Deseret News*, (September 4): 3 [issue pagination]. ["A herd of buffalo and cattalo (the latter is a hybrid of the buffalo and the galloway cow), has been brought to Camp Woolley. The company owning them is capitalized at \$100,000. Buffalo Jones, former game warden at the Yellowstone National park, is an active member. Beside the buffalo, Persion sheep have been secured by the company. Deer in herds are to be seen in the pines and quaking asps. A movement is on foot to make the Buckskin mountains [Kaibab Plateau] of this section a national game preserve." (ENTIRE NOTE)]

1906 19.5 [Untitled note.] *The Nautilus* (Philadelphia), 20(7) (November): 84. ["The Senior Editor of The Nautilus, in company with Mr. Jas. H. Ferriss, is on a collecting trip in Arizona. He expects to be absent about six weeks." (ENTIRE NOTE) This was Henry A. Pilsbry and James H. Ferriss's trip that included the Grand Canyon region (see Pilsbry and Ferriss, 1911, [ITEM NO. 19.1336.](#))] [Malacology.]

≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 8: page 4-31](#) |

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

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| 1907 | 19.3535 | Mountain lion captured. <i>Deseret News</i> , (July 19): 2 [issue pagination]. ["Buffalo Jones passed through Provo today with a mountain lion captured at Angel Creek in southern Utah [ <i>sic</i> ], about 15 miles from the point where the cable is being stretched across the Colorado. Two lions and cub were lassoed by the party, but the one Mr. Jones has and the cub are all that were finally secured. The other lion came so near getting away, while the capturing party were trying to secure him with chains, that it was found necessary to kill him or lose him, and he was killed. Mr. Jones will take the lions with him to use in the east as illustrations in a lecture on the Wild West." (ENTIRE ITEM)] [See also note in July 26 issue (Anonymous, 1907, <a href="#">ITEM NO. 19.3536</a> ).] |
| 1907 | 19.3536 | "Buffalo" Jones here. Man who knows all about animals comes to town on visit. <i>Deseret News</i> , (July 26): 10 [issue pagination]. [Buffalo Jones brings with him two mountain lions caught (refer to Anonymous, 1907, <a href="#">ITEM NO. 19.3535</a> ).]  |
| 1907 | 19.4816 | Third Summer Meeting; Wareham and Lytchett Heath. <i>In</i> : The Proceedings of the Dorset Natural History and Antiquarian Field Club During the Season 1906-1907 [SECTION]. <i>Dorset Natural History and Antiquarian Field Club, Proceedings</i> , 28: lxxvii-lxxviii. [See p. lxxiv: On viewing Mariposa lilies during a field trip to Lytchett Heath, the "guide told them that when she was with her husband in the Grand Canon they rode through them as one would ride through fields of buttercups." (ENTIRE NOTE)]  |
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| 1908 | 19.3537 | Kanab [NEWS]. <i>Deseret News</i> , (March 3): 3 [issue pagination]. ["A great many of the cattlemen of Kane county are contemplating going on to the forest reserve on the Buckskin mountain [Kaibab Plateau], and some of them have already put in their applications on the strength of the prospects of the government's building a fence across the north end of the reserve, so that the cattle can be kept on the mountains." (ENTIRE NOTE)] |
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| 1909 | 19.3477 | A great year for game preserves. <i>Zoological Society Bulletin</i> (New York Zoological Society), (34) (June): 497-503. [See "The Grand Canon National Game Preserve", pp. 502-503.]  |
| 1909 | 19.6    | [Untitled note.] <i>The Nautilus</i> (Philadelphia), 23(6) (November): 84. [Entire note reads: "Messrs. Ferriss and Daniels are exploring the Kaibab and Kanab plateaus for shells and ferns. In this little-known country north of the Grand Canyon of the Colorado, they report beautiful scenery, a superb climate, and plenty of shells." [See Pilsbry and Ferriss, 1911, <a href="#">ITEM NO. 19.1336</a> ; and for a related article see also Ferriss, 1910, <a href="#">ITEM NO. 19.600</a> . Also see historical articles relating to the Pilsbry-Ferriss trip by Spamer, 2015, <a href="#">ITEM NO. 2.22222</a> ; and the Ferriss-Daniels trip by Orr, 1910, <a href="#">ITEM NO. 2.7280</a> , and Spamer, 2016, <a href="#">ITEM NO. 2.24105</a> .]<br><span style="color: #800000;">≡ CROSS-LISTINGS  CITED» GCNHA Monograph 8: page 4-31 </span> |
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| 1913 | 19.5136 | [Note.] <i>In</i> : [Meeting of] February 2nd, 1911; entomological program. <i>Hawaiian Entomological Society, Proceedings</i> , 2 [for 1911-1912] (5) (July): 191. ["Mr. Swezey exhibited a collection of insects taken at the Grand Canyon, Arizona, while on a visit to that place." (ENTIRE NOTE)]                                      |
| 1913 | 19.6450 | Utah's theoretical forests. <i>Railway and Marine News</i> (Seattle, Washington), 11(12) (August 1): 15. [". . . outside of the Panguitch pine forests, and some of the timbered section bordering on the Grand Canyon of the Colorado, and Kaibab Plateau, there is probably no marketable timber procurable in the whole state of Utah."] |

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

1913	19.3505	Timber resources of Utah. <i>The Timberman</i> (Portland, Oregon), 15(1) (November): 51. [Includes Kaibab Plateau, Arizona.]
1914	19.3506	National Forest sale. <i>The Timberman</i> (Portland, Oregon), 15(3) (January): 48. [Government authorization of "the sale of a billion feet of timber from the Kaibab forest in southern Utah and northern Arizona . . . ." Also notes authority for the construction of a railroad by the purchasers.]
1914	19.6596	Government offers billion feet of timber. <i>In: Congress and Legislation</i> [SECTION]. <i>American Lumberman</i> (Chicago), (2017) (January 10): 43-44. [Kaibab Plateau.] [Also note boxed notice, p. 51, "National Forest Timber For Sale. One Billion Feet Eighty Per Cent Yellow Pine".]
1914	19.6597	Kaibab National Forest timber sale. <i>In: Inland Empire</i> [SECTION]. <i>American Lumberman</i> (Chicago), (2018) (January 17): 68. [Kaibab Plateau.]
1914	19.4578	Proposed large timber sale. <i>In: Pertinent Information</i> [SECTION]. <i>Hardwood Record</i> (Hardwood Co., Chicago), 37(7) (January 25): 60. [Kaibab Plateau.]
1914	19.3762	Deer in Grand Canyon game refuge. <i>The Hawaiian Forester and Agriculturist</i> , 12(2) (February): 54. ["It is estimated that the government's Grand Canyon game refuge, in Arizona, now contains about ten thousand deer." (ENTIRE ITEM) Filler, without separate title, although the volume index, p. vii, gives the item title as cited here.]
1914	19.4602	[Kaibab Plateau timber sale.] <i>In: Railway Information</i> [SECTION]. <i>The Railway Conductor</i> , 31(2) (February): 126.
1914	19.4628	Inter-mountain sheep notes. <i>The American Sheep-Breeder and Wool-Grower</i> (Chicago), 34(3) (March): 182, 184. [See "Utah", p. 184, which includes a paragraph regarding Kaibab Plateau deer and sheep.]
1914	19.3507	[Kaibab Plateau timber sale.] <i>In: Salt Lake and Utah</i> [SECTION]. <i>The Timberman</i> (Portland, Oregon), 15(7) (May):.
1914	19.3563	[Botanical field trip.] <i>In: News Items</i> [SECTION]. <i>Torreya</i> , 14(6) (June): 113. ["Mr. W. W. Eggleston left New York May 8 for a trip, during May and June, to the Manti, Fillmore and Fish Lake Forests, Utah and the Kaibab Forest, northern Arizona. This latter region, north of the Grand Canon, Arizona, is very little known botanically, having been visited by Mr. Ivar Tidestrom in 1909, but perhaps not previously, by botanists." (ENTIRE ITEM)]
1914	19.4576	[Kaibab Plateau timber sale.] <i>In: News and Notes</i> [SECTION]. <i>Forestry Quarterly</i> , 12(2) (June): 301-302.
1914	19.3508	[Kaibab Plateau timber sale.] <i>In: Salt Lake and Utah</i> [SECTION]. <i>The Timberman</i> (Portland, Oregon), 15(9) (July): 62. [Plans for Southwestern Pacific Railroad (newly incorporated) to utilize Kaibab timber for a new road between Denver and San Diego. "The new line will pass through the Kaibab plateau and skirt the Grand Canyon of the Colorado in Utah and Arizona."]
1914	19.4577	[Kaibab Plateau timber sale.] <i>In: News and Notes</i> [SECTION]. <i>Forestry Quarterly</i> , 12(4) (December): 647.



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

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1915	19.3194	[Brief notice of killed mountain lion from Grand Canyon Game Preserve that "measured ten feet from nose to tail."] <i>In</i> : Forest Notes [SECTION]. <i>American Forestry</i> , 21(1) (January): 75.
1915	19.3483	[Huge mountain lion.] <i>In</i> : The Tree Top [SECTION]. <i>Recreation</i> , New Series, 52(3) (March): 168. ["Speaking of beasts of prey—an outdoor magazine, in the first paragraph of the leading article of a recent number, tells about a mountain lion which 'measured ten feet from nose to tail.' Think of it! An ordinary whopping big cougar might measure that much tail and all, and they have long tails. That old Grand Cañon tomcougar must have stood six feet high and had a yowl like a foghorn." (ENTIRE ITEM)]
1915	19.4121	[Huge mountain lion.] <i>The American Thresherman and Farm Power</i> (Madison, Wisconsin), 17(12) (April): 24. ["A mountain lion recently killed in the Grand Canyon game preserve, which adjoins the Tusayan national forest, measured ten feet from nose to tail. Mountain lions and other beasts of prey, such as wolves, coyotes, and wild cats, are killed by forest officers and game wardens because they are a menace to stock and to game animals." (ENTIRE ITEM)]
1915	19.6452	[Filler.] <i>The Christian Register</i> (Boston), 94(21) (May 27): 503. ["It is estimated that the government's Grand Canyon game refuge in Arizona now contains about ten thousand deer." (ENTIRE ITEM)]
1915	19.4331	Flowering ashes. <i>Harvard University, Arnold Arboretum, Bulletin of Popular Information</i> , New Series, 1(6) (May 31): 23-24. [Notes range of <i>Fraxinus dipetala</i> "as far north as the rim of the Grand Cañon of the Colorado River" (ENTIRE NOTE).]
1915	19.4090	[Sheep in Grand Canyon Game Preserve.] <i>American Sheep-Breeder and Wool-Grower</i> (Chicago), 35(11) (November): 512. ["Dr. Hornaday, the big New York Zoo man, will present on behalf of his institution a flock of Himalayan Mountain sheep to the State of Arizona, the sheep to be confined in a preserve in the Grand Canyon."] [William Temple Hornaday.]
1915	19.5869	A senseless dipping order. <i>National Wool Grower</i> (Salt Lake City), 5(12) (December): 48-49. [Arizona State Board of Sheep Commissioners requirement to dip sheep with specific dips; should not apply to isolated Arizona Strip since Utah State Board of Sheep Commissioners require dipping in any dip that kills ticks.]

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1916	19.6127	[Feral burros in Grand Canyon.] <i>In</i> : Forest Notes [SECTION]. <i>Building and Engineering News</i> (San Francisco), 16(19) (May 10): 13.
1916	19.6594	[Feral burros in Grand Canyon.] <i>In</i> : Forest Notes [SECTION]. <i>Hardwood Record</i> (The Hardwood Company, Chicago), 41(3) (May 25): 21.
1916	19.4674	[Feral burros in Grand Canyon.] <i>The American Thresherman and Farm Power</i> (Madison, Wisconsin), 19(3) (July): 70. [Filler. "That wild burros in the Grand Canyon of the Colorado are increasing rapidly is the report from a ranger on the Tusayan National Forest, who says the little animals in their search for forage are finding their way to the top in such numbers as to constitute a nuisance. Already there are thousands of the animals in the Grand Canyon from Supai to the mouth of the Little Colorado, according to the forest ranger." (ENTIRE ITEM)]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

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| 1916  | 19.3586 | [Alice Eastwood collected plants for five days in Grand Canyon on Hermit and Grandview Trails.] <i>In</i> : Scientific Notes and News [SECTION]. <i>Science</i> , New Series, 44 (July 21): 99.  |
| 1916  | 19.3224 | [Alice Eastwood collected plants for five days in Grand Canyon on Hermit and Grandview Trails.] <i>In</i> : News Items [SECTION]. <i>Torreya</i> , 16(8) (August): 191.  |
| 1916  | 19.3585 | Meeting of October 3, 1916. <i>In</i> : Proceedings of the New York Entomological Society [SECTION]. <i>New York Entomological Society, Journal</i> , 24(4) (December): 309-. [See p. 310: Minutes record a presentation by Dr. Ottolengui to the West, noting the abundance of "blue aster-like flowers at Grand Canyon". (ENTIRE NOTE)]  |
| 1916  | 19.4052 | Potato crop brings goodly wealth to Michigan growers. <i>Pere Marquette Service</i> (Pere Marquette Railroad, Detroit), 2(7) (December): 6-7. [See p. 7, "Origin of the Potato Bug": "The late C. C. James, of Canada, who was as highly regarded in scientific agriculture in Canada as Uncle James Wilson in the United States, held to a novel theory as to the origin of the potato bug. [¶] This pest, according to Prof. James, was none other than the Colorado beetle, which is indigenous to the Grand Canon of the Colorado. It first reached the Detroit river in 1877, and his belief was that it had traced the footsteps of the Forty-Niners eastward. It is a known fact that potatoes can be reproduced from the peel providing that there is an eye in it. Now, Mr. James, held that the Forty-Niners in their march across the continent had left a trace of these, which the Colorado beetle followed. It took them from 1849 to 1877 to reach Michigan." (ENTIRE NOTE) Surely a confused rendition.] |
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| 1917  | 19.3668 | A wonderful specimen of a petrified bird's nest. <i>Popular Science Monthly</i> , 90(1) (January): 188. [Found "imbedded in a rock formation in a cliff of the Grand Canyon, five hundred feet above the base". Surely a travertine-enrobed artifact.] [See also Anonymous (1921, ITEM NO. 19.4567) and Strong (1918, ITEM NO. 19.3662).]  |
| 1917  | 19.6125 | Proceedings of the Brooklyn Entomological Society. <i>Brooklyn Entomological Society, Bulletin</i> , 12(2) (April): 45-47. [See "Meeting of November 16" (p. 46), which notes: "The scientific programme was Mr. G. P. Englehardt's account of his visit to the Grand Canyon of Arizona, between June 6 and 10. After an illuminating description of the natural features he noted as interesting captures in the canyon of <i>Cicindela arizonæ</i> , rather common along a small stream on the Bright Angel trail; <i>Zopherus gracilis</i> , <i>Heterina vulnerata</i> , abundant in Indian Garden, as well as <i>Notonecta mexicana</i> ; <i>Memythrus cupressi</i> was found on willow, in the same place, and the larvæ of <i>Megathymus</i> sp. was found boring in agave. <i>Sphinx coloradus</i> came to light at the top of the Canyon." (ENTIRE NOTE)]  |
| 1917  | 19.3802 | Crossing the buffalo with beef cattle. <i>Popular Mechanics Magazine</i> , 28(6) (December): 884. [Notes the largest herd of catalo "is located on the isolated, uninhabited 'Arizona strip,' north of the Grand Cañon." [House Rock Valley.]  |
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| 1918  | 19.3697 | [Note on a legal case pertaining to wild horses in New Mexico and southern Colorado.] <i>In</i> : Along the Trail [SECTION]. <i>Santa Fe Magazine</i> , 12(9) (August): 70. [Includes note, "A tale, vouched for at El Tovar Hotel, is that there are 1,000 burros more or less running wild in the Grand Cañon of Arizona—descendants of their kind left there by Coronado's band in 1542." (ENTIRE NOTE)]  |

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

1918	19.4117	List of accessions to the collections during the fiscal year 1916-1917. <i>In: Report on the progress and condition of the United States National Museum for the year ending June 30, 1917.</i> Washington, D.C.: U.S. Government Printing Office, pp. 99-142. [See p. 99: “. . . 33 mollusks collected at the base of ‘Gray Sandstone’ on Bright Angel Trail, Grand Canyon, Ariz., by Mr. E. A. Goldman (60307); 5 land shells from Grand Canyon and 20 specimens of plants from Arizona, collected by Mr. Goldman (61095) . . . .”]
1919	19.6217	[Establishment of Grand Canyon National Park.] <i>In: Notes and News [SECTION]. The Auk, 36(2) (April): 319-324.</i> [Brief note of the establishment of Grand Canyon and Lafayette National Parks. “This action will insure greater protection of the wild life and we hope will result in the publication at an early date of information concerning the birds of these interesting regions.” (ENTIRE NOTE)]
1921	19.3228	Deer in Grand Cañon saved from extinction. <i>Popular Mechanics Magazine, 35(1) (January): 83.</i>
1921	19.3489	[Brief notice by Jesse Nusbaum of deer and geese on Kaibab Plateau.] <i>In: Along the Trail [SECTION]. Santa Fe Magazine, 15(4) (March): 66.</i>
1921	19.4567	Petrified bird’s nest. <i>American Forestry, 27 (March): 172.</i> [Found “in the Grand Canyon of the Colorado, in Arizona, 550 feet from the base of the canyon. It was imbedded in a rock formation in a sort of cliff.” Surely a travertine-enrobed artifact.] [See also Anonymous (1917, ITEM NO. 19.3668) and Strong (1918, ITEM NO. 19.3662).]
1921	19.3227	Grand Cañon National Park to attract trout anglers. <i>Popular Mechanics Magazine, 35(6) (June): 849.</i> [Bright Angel Creek.]
1922	19.4084	Undeveloped timber section of Arizona; over one billion feet contained in the 300,000-acre area. <i>The Timberman (Portland, Oregon), 23(5) (March): 114, 117.</i> [Kaibab Plateau.]
1922	19.4817	Side lights of the California meeting of the National Dental Association. <i>In: Orthodontic News and Notes [SECTION]. International Journal of Orthodontia, Oral Surgery and Radiography, 8(8) (August): 534-.</i> [See p. 535: “To the tired orthodontist who has made the long jaunt to California in search of both youth and knowledge there are only two things which remain a mystery in his mind. First those little animals, which they tell you about which make their residence in the bottom of the Grand Canyon and when you are bitten by them will not release their hold until it thunders . . . .” (ENTIRE NOTE)] [NOTE: Traditional folklore from numerous places suggest that certain animals will not release a bite-hold until it thunders (and/or other external influences); included among them are various lizards including the Gila monster.]
1922	19.3734	Barkbeetles menace to Grand Canyon forests. <i>Lumber (Chicago), 70 (October 20): 44.</i> [Grand Canyon National Park and Kaibab National Forest.] [Bark beetles.]
1924	19.3494	Estimate made of big game animals on national forests. <i>California Fish and Game, 10(1) (January): 36-38.</i> [Kaibab Plateau game conditions noted, pp. 37, 37-38.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

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| 1924 | 19.3488 | [Kaibab Plateau mule deer give-away by U.S. Department of Agriculture.] <i>Wholesale Grocery Review</i> , 25(10) (October): 17.   |
| 1924 | 19.3495 | Committee to help solve Kaibab deer herd problem. <i>California Fish and Game</i> , 10(4) (October): 196.   |
| 1924 | 19.6626 | Deer given away. <i>In</i> : News Notes [SECTION]. <i>The Pathfinder</i> (Washington, D.C.), 31(1606) (October 11): 7. ["Uncle Sam has thousands of deer to give away. They are in the Kaibab national forest in northern Arizona where their number—30,000—has become so large the vegetation is not sufficient. The receiver has to pay crating charges and transportation—about \$35 a deer." (ENTIRE ITEM)] |
| 1924 | 19.6749 | Advises reducing Kaibab deer herd one-half; Secretary Wallace's citizen advisory committee finds serious facts, faces them spiritedly, and makes summary recommendations. <i>National Parks Association, Bulletin</i> , (41) (October 23):.   |
| 1924 | 19.6625 | New kind of squirrel. <i>In</i> : Things Scientific [SECTION]. <i>The Pathfinder</i> (Washington, D.C.), 31(1610) (November 11): 11. [Kaibab squirrel.]   |
| 1924 | 19.7    | A great forest threatened. <i>American Forests and Forest Life</i> , 30: 359.<br>≡ CROSS-LISTINGS  CITED» GCNHA Monograph 8: page 4-9   |
| 1924 | 19.8    | Starvation threatens Kaibab deer. <i>American Forests and Forest Life</i> , 30: 663, 692-693.<br>≡ CROSS-LISTINGS  CITED» GCNHA Monograph 8: page 4-9   |
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| 1925 | 19.9 | The Kaibab deer drive. "An interesting failure". <i>American Forests and Forest Life</i> , 31: 80.<br>≡ CROSS-LISTINGS  CITED» GCNHA Monograph 8: page 4-9 |
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| 1926 | 19.10   | Problem of over-conservation in the Grand Canyon National Game Preserve. <i>Bird-Lore</i> , 28 (January): 88-90.<br>≡ CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 86   CITED» GCNHA Monograph 8: page 4-9   |
| 1926 | 19.11   | Suicide robin returns. <i>Grand Canyon Nature Notes</i> , 1(1) (March 6): 4.<br>≡ CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 86   CITED» GCNHA Monograph 8: page 4-9   |
| 1926 | 19.12   | Any port in a storm. <i>Grand Canyon Nature Notes</i> , 1(3) (May 13): 5. [Thurber junco.]<br>≡ CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 86   CITED» GCNHA Monograph 8: page 4-9   |
| 1926 | 19.5370 | Intelligent robin. <i>Grand Canyon Nature Notes</i> , 1(5) (August 16): 4. [Purposeful moistening of long, stiff pine needles in a drinking fountain, for use in nest building.]   |
| 1926 | 19.13   | Button, button, who has the button? <i>Grand Canyon Nature Notes</i> , 1(6) (September 22): 2. [Packrat activity, as reported by Assistant Chief Ranger Frank Winess from the Bright Angel Ranger Station at Wylie Way camp, North Rim.]<br>≡ CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 86   CITED» GCNHA Monograph 8: page 4-9 |

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

1926	19.14	Autumn. <i>Grand Canyon Nature Notes</i> , 1(7) (November 11): 4-5. ≡ CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 86   CITED» GCNHA Monograph 8: page 4-9
1927	19.5371	Ranger Smith entertains. <i>Grand Canyon Nature Notes</i> , 1(11) (March 1) [April 16]: 4. [Lee Smith visited by porcupine at home.] ≡ CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 118   CITED» GCNHA Monograph 8: page 12-8
1927	19.3453	The Grand Canyon buffalo herd. <i>American Bison Society, Report, 1924-1926</i> , pp. 41-43. [House Rock Valley bison.]
1927	19.29	Prong-horn antelope colony in the Grand Canyon. <i>Science, New Series (Supplement)</i> , (August 26): xiv. ≡ CROSS-LISTINGS  CITED» GCNHA Monograph 8: page 4-9
1927	19.15	Arizona deer herd hit by starvation. <i>American Forests and Forest Life</i> , 33: 374. ≡ CROSS-LISTINGS  CITED» GCNHA Monograph 8: page 4-9
1928	19.44	Kingfisher at Grand Canyon. <i>Grand Canyon Nature Notes</i> , 3(5) (October 31): 1-2. [Three belted kingfishers seen along Bright Angel Creek.] ≡ CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 86   CITED» GCNHA Monograph 8: page 4-9
1928	19.46	Two trail parties in one picture. <i>Grand Canyon Nature Notes</i> , 3(5) (October 31): 2. [Deer appear in photograph of mounted trail party taken by Kolb Studio.] ≡ CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 86   CITED» GCNHA Monograph 8: page 4-9
1928	19.45	Robin breaks ice to take bath. <i>Grand Canyon Nature Notes</i> , 3(5) (October 31): 2. ≡ CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 86   CITED» GCNHA Monograph 8: page 4-9
1928	19.43	Antlers as an age indicator of deer. <i>Grand Canyon Nature Notes</i> , 3(5) (October 31): 3. ≡ CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 86   CITED» GCNHA Monograph 8: page 4-9
1928	19.3485	[Note.] <i>In</i> : Division Notes [SECTION]. <i>The Ark (Museum of Zoology, University of Michigan, Ann Arbor)</i> , 7(4) (December): 3. [" <i>The Division of Mammals</i> has received from Dr. H. H. Hammel the skulls and skins of three Kaibab deer, collected by him in the Kaibab Forest of Arizona." (ENTIRE NOTE)]
1929	19.3108	Lizard hypnotized! <i>Popular Science Monthly</i> , 114(2) (February): 75. [Report from Edwin D. McKee that blue-bellied lizard caught more easily by focusing eyes on those of the lizard.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

- 1929 19.5373 Scientific work conducted at Grand Canyon. *Grand Canyon Nature Notes*, 3(9) (May 31): 1. [Includes note of arrival of Vernon and Florence Bailey, and Miss [Barbara] Hastings, "for a visit of several months" to study animal and plant life.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 101| |CITED» GCNHA Monograph 8: page 7-9|
- 1929 19.5377 Scientific work. *Grand Canyon Nature Notes*, 3(10) (June 30): 1-2. [Includes note of H. C. Bryant working on "biological problems of the park"; Vernon Bailey continuing his work.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 101| |CITED» GCNHA Monograph 8: page 7-9|
- 1929 19.50 Nesting notes. *Grand Canyon Nature Notes*, 3(10) (June 30): 3-4. ("Extracts from the records of Mrs. F. M. Bailey and the Park Naturalist [Edwin D. McKee].")  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 86| |CITED» GCNHA Monograph 8: page 4-9|
- 1929 19.5379 Facts—not fancies. *Grand Canyon Nature Notes*, 3(11) (July 31): 6. [Includes notes on bighorn sheep on rim just east of El Tovar; first reported occurrence of Arizona hepatic tanager just east of Yavapai Observation Station; coyotes near Desert View; first records of California cuckoo and song sparrow in Havasu Canyon.]
- 1929 19.51 Along the trails. *Grand Canyon Nature Notes*, 4(1) (September 30): 6-7. [Brief notes on mountain sheep on North Rim along McKinnon Point Trail and near Cliff Springs, porcupines on South Rim, western crows at Yavapai Point, belted kingfisher at Bright Angel Point, "A Big Scaley Lizard (*Sceloporus magister*)" at Cedar Ridge on South Kaibab Trail, mule deer losing coats, hummingbirds at Hull Tank, and migrating birds on the Kaibab.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 86| |CITED» GCNHA Monograph 8: page 4-9|
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- 1930 19.3216 Deer fawns travel by plane to restock herd. *Popular Mechanics Magazine*, 53(1) (January): 81. [Deer flown from Fredonia to Red Butte.]
- 1930 19.5380 Winter robins. *Grand Canyon Nature Notes*, 4(5) (March): 33.
- 1930 19.5382 Left-overs. *Grand Canyon Nature Notes*, 4(7) (May 31): 47. [Includes brief notes of porcupine on Bright Angel Trail near top, and inky-cap mushrooms "on the South Rim within a foot of a snowbank, March 14th".]
- 1930 19.52 Odds and ends. *Grand Canyon Nature Notes*, 4(8) (June 30): 56. [Birds; beaver in Bright Angel Creek; coyotes in Nankoweap Canyon, first record of coyotes in canyon bottom.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 86| |CITED» GCNHA Monograph 8: page 4-9|
- 1930 19.504 July bird notes. *Grand Canyon Nature Notes*, 4(9) (July 31): 62. [Reports made by anonymous, "Park Naturalist" (Edwin D. McKee), P. Jenks, and E. W. Count.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 88| |CITED» GCNHA Monograph 8: page 4-13|

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

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| 1930 | 19.53 | Odds and ends. <i>Grand Canyon Nature Notes</i> , 4(10) (August 30): 69-71. [Lizards, birds, chipmunks, falcons, trout eggs planted in Shinumo Creek, deer range on North Rim, live specimen of "probably Grand Canyon Rattler" collected at Desert View Point.]<br>≡ CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 86   CITED» GCNHA Monograph 8: page 4-9 |
| 1930 | 19.54 | Briefs. <i>Grand Canyon Nature Notes</i> , 5(1) (November 30): 11. [Birds.] [See also Errata, 6(3) (January 1932): 28.]<br>≡ CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 86   CITED» GCNHA Monograph 8: page 4-9  |
| 1930 | 19.55 | Flying the Grand Canyon. <i>Nature Magazine</i> , 15: 260.<br>≡ CROSS-LISTINGS  CITED» GCNHA Monograph 8: page 4-9   |
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| 1931 | 19.5383 | [Gila chipmunks hide pinyon nuts in women's dormitory at South Rim.] <i>Grand Canyon Nature Notes</i> , 5(3) (January): 33.   |
| 1931 | 19.56   | [Early canyon-bottom flowers.] <i>Grand Canyon Nature Notes</i> , 5(4) (February): 36.<br>≡ CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 86   CITED» GCNHA Monograph 8: page 4-9  |
| 1931 | 19.57   | [Catkins fallen from cottonwood trees at Phantom Ranch; many trees in bud.] <i>Grand Canyon Nature Notes</i> , 5(4) (February): 38.<br>≡ CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 86   CITED» GCNHA Monograph 8: page 4-9                                 |
| 1931 | 19.58   | [Robins, house finch, and the coming of spring.] <i>Grand Canyon Nature Notes</i> , 5(4) (February): 42.<br>≡ CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 86   CITED» GCNHA Monograph 8: page 4-9  |
| 1931 | 19.59   | [Young lizards coming out in the cold.] <i>Grand Canyon Nature Notes</i> , 5(5) (March): 46.<br>≡ CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 86   CITED» GCNHA Monograph 8: page 4-9  |
| 1931 | 19.5393 | [First antelope kid of the year found, dead, "above Indian Gardens".] <i>In</i> : Field Observations [SECTION]. <i>Grand Canyon Nature Notes</i> , 5(7) (May): 70.<br>≡ CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 91   CITED» GCNHA Monograph 8: page 4-21 |
| 1931 | 19.60   | [Desert pallid bat.] <i>Grand Canyon Nature Notes</i> , 5(8) (June): 74. [See also in 5(9) (July) (Tyler, 1931, ITEM NO. 19.1705).]<br>≡ CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 86   CITED» GCNHA Monograph 8: page 4-9                                 |
| 1931 | 19.5395 | [Skunk vs. squirrels at Indian Garden.] <i>In</i> : Field Observations [SECTION]. <i>Grand Canyon Nature Notes</i> , 5(8) (June): 82.<br>≡ CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 92   CITED» GCNHA Monograph 8: page 4-24                              |

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

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| 1931 | 19.61   | [Sage thrasher.] <i>Grand Canyon Nature Notes</i> , 5(9) (July): 86. [Seen near Thunder River; first record for Grand Canyon National Park.]<br>≡ CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 86   CITED» GCNHA Monograph 8: page 4-9  |
| 1931 | 19.62   | [Little Traill flycatcher, <i>Empidonax traili brewsteri</i> , new record for Grand Canyon National Park.] <i>Grand Canyon Nature Notes</i> , 6(1) (November): 15. [Supplements the article by E. D. McKee, 5(12) (October): 121-122 (ITEM NO. 19.1056).]<br>≡ CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 86   CITED» GCNHA Monograph 8: page 4-9 |
| 1931 | 19.465  | [Horned owls identified.] <i>In</i> : Miscellany [SECTION]. <i>Grand Canyon Nature Notes</i> , 6(2): 21.<br>≡ CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 87   CITED» GCNHA Monograph 8: page 4-13   |
| 1931 | 19.3172 | [Expedition to San Francisco Peaks and Kaibab Plateau.] <i>Cleveland Museum of Natural History, Bulletin</i> , (54) (December): 69.   |
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| 1932 | 19.1062 | [Fish collected in lower Garden Creek identified as <i>Tiaroga cobitis</i> Girard.] <i>In</i> : Field Observations [SECTION]. <i>Grand Canyon Nature Notes</i> , 6(5) (March): 47. [See also Anonymous (1933, ITEM NO. 19.5062).]<br>≡ CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 91   CITED» GCNHA Monograph 8: page 4-20  |
| 1932 | 19.3707 | Deer given with auto boomed business. <i>Popular Mechanics Magazine</i> , 58(1) (July): 63. [James Cashman, Las Vegas, Nevada, auto dealer, gives away free deer with the purchase of each automobile \$500 or more. His original stock comprised "seventeen deer raised on the outskirts of the famous Kaibab national forest that overhangs the northern rim of the Grand canyon" <i>[sic]</i> .] |
| 1932 | 19.5056 | Field observations. <i>Grand Canyon Nature Notes</i> , 7(4) (July):. ("By Naturalist Staff.") [Squirrels, deer, antelope.]  |
| 1932 | 19.63   | Occurrence of the spadefoot toad in Grand Canyon National Park. <i>Grand Canyon Nature Notes</i> , 7(7) (October): 70. [Greenland Lake; first record in the national park.]<br>≡ CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 86   CITED» GCNHA Monograph 8: page 4-9   |
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| 1933 | 19.64   | Additions to Grand Canyon herbarium. <i>Grand Canyon Nature Notes</i> , 7(11) (February): 118. ["Eighty-three new plants have recently been added to the Grand Canyon Herbarium[.] The specimens represent collections from both rims and from the interior of the canyon. They were identified at the National Herbarium in Washington through the courtesy of Dr. Frederick Coville." (ENTIRE ITEM)]<br>≡ CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 86   CITED» GCNHA Monograph 8: page 4-9 |
| 1933 | 19.5062 | A fish rare in collections. <i>In</i> : Miscellany [SECTION]. <i>Grand Canyon Nature Notes</i> , 7(12) (March):. [Additional specimens of <i>Tiaroga cobitis</i> gathered at the mouth of Garden Creek, Grand Canyon. Refers to earlier note, for which see 6(5): 47 (Anonymous, 1932, ITEM NO. 19.1062).]   |



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

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| 1933 | 19.1072 | Diary of early Spring. <i>Grand Canyon Nature Notes</i> , 8(1) (April): 140.<br><span style="color: #A52A2A;">≡</span> CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 91   CITED» GCNHA Monograph 8: page 4-21   |
| 1933 | 19.5064 | [Mule deer at Nankoweap Creek.] <i>In</i> : Miscellany [SECTION]. <i>Grand Canyon Nature Notes</i> , 8(7) (October): 205. ["According to Mr. Georges Vorge, geologist from the Univ. of Calif., several mule deer have apparently become permanent residents in the remote and isolated valley of Nankoweap creek. They were seen at various times during his stay (June and July) in that hot locality." (ENTIRE ITEM)] |
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| 1934 | 19.5072 | Report on rattlesnake specimens. <i>Grand Canyon Nature Notes</i> , 8(11) (February):. [Follow-up to McHenry, 1933, ITEM NO. 19.998. Further identification of specimens from both sides of Grand Canyon, with "Sketch map showing locations in which rattlesnake records of the Grand Canyon region were made; after Klauber 1931 with additions".]   |
| 1934 | 19.65   | Miscellany [ <i>sic</i> ]. <i>Grand Canyon Nature Notes</i> , 8(11): 248-249.<br><span style="color: #A52A2A;">≡</span> CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 86   CITED» GCNHA Monograph 8: page 4-9   |
| 1934 | 19.5073 | [Nursing female Abert squirrel.] <i>In</i> : Field Observations [SECTION]. <i>Grand Canyon Nature Notes</i> , 9(2) (May): 280. ["On April 16, Mrs[.] J. P. Brooks noted a female Abert Squirrel near her residence that apparently had just been nursing young." (ENTIRE NOTE)]<br><span style="color: #A52A2A;">≡</span> CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 91   CITED» GCNHA Monograph 8: page 4-21  |
| 1934 | 19.5074 | [Pygmy nuthatch.] <i>In</i> : Field Observations [SECTION]. <i>Grand Canyon Nature Notes</i> , 9(2) (May): 280. [On April 18, the C. C. C. telephone crew found a Pigmy Nuthatch with a nest in a tree near the Yavapai road." (ENTIRE NOTE)] [Civilian Conservation Corps.]<br><span style="color: #A52A2A;">≡</span> CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 91   CITED» GCNHA Monograph 8: page 4-21   |
| 1934 | 19.5081 | [South Rim coyote identified as <i>Canis latrans mearnsi</i> ; from Berry Ranch specimen.] <i>In</i> : Miscellany [ <i>sic</i> ] [SECTION]. <i>Grand Canyon Nature Notes</i> , 9(3) (June):.<br><span style="color: #A52A2A;">≡</span> CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 86   CITED» GCNHA Monograph 8: page 4-9  |
| 1934 | 19.5082 | [Early record of fawn mule deer, South Rim, May 23.] <i>In</i> : Miscellany [ <i>sic</i> ] [SECTION]. <i>Grand Canyon Nature Notes</i> , 9(3) (June):.<br><span style="color: #A52A2A;">≡</span> CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 86   CITED» GCNHA Monograph 8: page 4-9  |
| 1934 | 19.5084 | [Skink.] <i>In</i> : Field Observations [SECTION]. <i>Grand Canyon Nature Notes</i> , 9(7) (October):. [Skink collected "from the southwestern corner of Grand Canyon National Park" identified by Edward H. Taylor, University of Kansas, as (quoting Taylor) "an extremely rare species, at the moment still undescribed".<br><span style="color: #A52A2A;">≡</span> CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 88   CITED» GCNHA Monograph 8: page 4-15 |
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

- 1936 19.4387 Banding at the southwestern monuments. *News From the Bird-Banders* (Western Bird-Banding Association, Museum of Vertebrate Zoology, Berkeley, California), 11(1) (February): 27-32. [Includes list of "Banders in the 1935 Annual Report" that lists (p. 31) "McKee, E.D., Grand Canyon National Park, Grand Canyon, Ariz.; 517 [birds credited]". Edwin D. McKee.]
- 1936 19.5588 [Summary of lecture by G. Carmichael Low.] *In*: [388th Meeting of the Club, February 12, 1936]. *British Ornithologists' Club, Bulletin* (London), 56(393) (March 4): 79-86. [Lecture by Low on his round-the-world trip. Includes brief notes on birds seen at Grand Canyon South Rim (pp. 80-81).]
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- 1937 19.67 Sky island. *Natural History*, 40(3): 558. [Shiva Temple expedition.]
- 1937 19.68 Grand Canyon expedition. *Natural History*, 40(3): 616. [Shiva Temple expedition.]
- 1937 19.69 The scene of the climb to Shiva's Temple in quest of a biological "lost world". *Illustrated London News*, 191 (September 25): 507-508. [Shiva Temple expedition.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 7-7|
- 1937 19.70 Treasureless island. *Time*, 30 (October 4): 45-47. [Shiva Temple.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 86| |CITED» GCNHA Monograph 8: page 4-10|
- 1937 19.4122 20-day deer season in Kaibab opens Oct. 27. *Desert Magazine*, 1(1) (November): 36. [Deer hunting season, Kaibab Plateau.]
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- 1938 19.4123 Grand Canyon. *In*: Here and There on the Desert [SECTION]. *Desert Magazine*, 1(5) (March): 20. ["Shrubs are budding in the Grand Canyon National Park as a result of unusually mild winter weather." (ENTIRE NOTE)]
- 1938 19.4124 Cameron. *In*: Here and There on the Desert [SECTION]. *Desert Magazine*, 1(5) (March): 20. ["Twelve Arizona hunters, 10 men and two women, were permitted to shoot one buffalo each from the state protected herd in House Rock canyon [House Rock Valley] on January 22. The names of the hunters were drawn by lot from 371 applicants. Each hunter was permitted to retain one quarter of the meat, the head and the hide. The state reserved the right to sell the remainder of the meat." (ENTIRE ITEM)]
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- 1940 19.4125 Flagstaff. *In*: Here and There on the Desert [SECTION]. *Desert Magazine*, 3(3) (January): 34. ["When George Andrakos, hotel employe at Grand Canyon, shot a coyote he was arrested, now faces trial in federal court at Prescott. Andrakos' target was semi-tame, had thrilled many tourists by practically eating out of their hands. In fact the coyote was so tame he sat often by the roadside waiting for motorists to stop and offer candy or cookies. Park Service regulations prohibit killing any wildlife in a national park." (ENTIRE ITEM)]
- 1940 19.3103 Arizona hunters shoot 55 buffalo to decrease size of state's herd. *Life*, 8(6) (February 5): 22-23. [House Rock Valley.]
- 1940 19.4126 Flagstaff. *In*: Here and There on the Desert [SECTION]. *Desert Magazine*, 3(5) (March): 28. ["Twenty-three men and women made their kills in January in the first

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

of two state-supervised buffalo hunts in remote Houserock Valley of northeastern Arizona. Another group of 25 hunters formed second expedition for trophies third week in February. Women in the first hunt were Mrs. Amy Wagner, Phoenix, and Mrs. Hazel Wittkop, Tucson." (ENTIRE ITEM)] [House Rock Valley.]

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1941	19.2614	List of reserves that may serve as nature sanctuaries of national and international importance, in Canada, the United States, and Mexico. <i>Ecology</i> , 22(1) (January): 100-107.
1941	19.2789	[Beaver at Phantom Ranch displaced to Wall Creek.] <i>In</i> : Oddities [SECTION]. <i>Region III Quarterly</i> (U.S. National Park Service), 3(2) (April):.

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1942	19.4127	Renegade buffalo killed. <i>In</i> : Here and There on the Desert [SECTION]. <i>Desert Magazine</i> , 5(7) (May): 31. ["Old Renegade—one ton buffalo outlaw—will destroy no more for he was shot a short time ago and at request of Arizona's game and fish commission. For 17 years he held his own against all comers in Arizona's buffalo herd that roams House Rock valley, but when he was challenged and beaten by a younger bull, Old Renegade departed to become a destructive nuisance." (ENTIRE ITEM)]
1942	19.4129	New bison for Houserock. <i>In</i> : Here and There on the Desert [SECTION]. <i>Desert Magazine</i> , 5(10) (August): 29. ["Augmenting the Houserock valley bison herd, Arizona has introduced 12 more bulls and yearling calves, shipped from Wichita mountain game refuge near Lawton, Okla. Another bull, a three-year-old, was sent to Tovrea memorial zoo near Phoenix. State-owned here at Houserock valley has attracted many tourists." (ENTIRE ITEM)] [House Rock Valley.]

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1944	19.4130	Buffalo hunt in February. <i>In</i> : Here and There on the Desert [SECTION]. <i>Desert Magazine</i> , 7(4) (February): 31. ["Grand Canyon—Annual buffalo hunt in House Rock valley on North Rim has been set by state game department for February 12 and 13. Applications of 35 hunters and alternates were to be selected by Arizona game and fish commission, Phoenix, January 22. The herd is the only free-roaming one in existence, has furnished background for many historical motion pictures." (ENTIRE ITEM)]
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1945	19.4131	Fifty to go buffalo hunting. <i>In</i> : Here and There on the Desert [SECTION]. <i>Desert Magazine</i> , 8(4) (February): 29. ["Grand Canyon—Hunters will crop 50 buffalo from the state owned herd in House Rock valley north of here February 3 and 4, in order to maintain the herd at 200, which is carrying capacity of the range. Herd produced 51 known calves the past season. The 50 hunters, drawn by lot, will be allowed to keep head, hide and one front quarter and may buy one other quarter at 25-35 cents per pound. No commercialization of the meat is permitted." (ENTIRE ITEM)]
1945	19.3809	Casey hits a double. <i>Time</i> , (July 30):. [Robert J. (Bob) Casey, Chicago Daily News reporter. Notes in part that "Once, when he heard that a couple of scientists were to climb to a Grand Canyon plateau never before trod by man, he flew over it dropping old whiskey bottles and Ford parts for the amazed scientists to find." (ENTIRE NOTE) Refers to the American Museum of Natural History's Shiva Temple expedition of 1937.]

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

1946	19.4132	Those tiny horses. <i>In:</i> Here and There on the Desert [SECTION]. <i>Desert Magazine</i> , 10(2) (December): 25. ["Grand Canyon—Miniature horses exhibited as having come from Grand Canyon where they were dwarfed for lack of feed, have never been near Grand Canyon, according to statement of Superintendent H. C. Bryant in a recent interview. 'The horse which have been exhibited as coming from Grand Canyon have their origin probably in Shetland stock secured from a ranch in Mexico,' Bryant said. The superintendent suggested that newspapermen could render a service to the public by refusing to be a party to the miniature horse hoax." (ENTIRE ITEM)]
1949	19.4138	Girl shoots buffalo. <i>In:</i> Here and There on the Desert [SECTION]. <i>Desert Magazine</i> , 12(6) (April): 29. [Pauline Sinnett in state-sponsored hunt at House Rock Valley. Credited to <i>Aztec Independent Review</i> .]
1949	19.4139	Deer hunters' paradise. <i>In:</i> Here and There on the Desert [SECTION]. <i>Desert Magazine</i> , 12(12) (October): 29. [Two special open seasons for Kaibab buck mule deer. Item credited to <i>Tombstone Epitaph</i> .]
1949	19.4141	Buffalo range dispute unsettled. <i>In:</i> Here and There on the Desert [SECTION]. <i>Desert Magazine</i> , 13(1) (November): 33. [Offer to reduce House Rock Valley buffalo range involves less suitable lands. Item credited to <i>Coconino Sun</i> .]
1950	19.4142	Wild turkeys are planted. <i>In:</i> Here and There on the Desert [SECTION]. <i>Desert Magazine</i> , 13(5) (March): 32. ["Kingman—Wild turkeys are being live-trapped by the Arizona game and fish commission in a number of areas where surpluses exist to restock Ft. Huachuca, the Santa Rita mountains and the North Kaibab National forest. Ft. Huachuca and the Santa Ritas once carried good populations of wild turkeys, but no evidence has been found to indicate that turkeys ever ranged the North Kaibab area. Surveys by rangers lead officials to believe that turkeys will do well there, however.— <i>Mohave County Miner</i> ." (ENTIRE ITEM)]
1950	19.4143	Buffalo range controversy. <i>In:</i> Here and There on the Desert [SECTION]. <i>Desert Magazine</i> , 13(8) (June): 31. ["Flagstaff—Seeking an end to a controversy that has continued since 1926, Thomas F. Kimball, state game commissioner, has suggested to Senator Ernest McFarland that a bill be introduced in congress giving the state title to 28,760 acres in Houserock Valley for a buffalo range. The controversy has existed since the Arizona Game and Fish Commission in 1926 bought a herd of about 80 buffalo which had been driven into Houserock Valley. At present cattle share the range. It is being over-grazed. In 1930 a tract of 44,000 acres was withdrawn by executive order of President Hoover, but wording of this order was not specific enough to avoid later controversy.— <i>Coconino Sun</i> ." (ENTIRE ITEM)] [House Rock Valley.]
1950	19.4144	Houserock buffalo being moved. <i>In:</i> Here and There on the Desert [SECTION]. <i>Desert Magazine</i> , 13(10) (August): 35. ["Phoenix—Arizona's buffalo, now located in Houserock Valley, are to be moved to avoid starvation, the state game and fish commission has announced. Half of the 125 animals are to go to the buffalo refuge on Anderson mesa. To find a permanent home for the last remaining Arizona buffalo, the commission siad it is waiving all rights to Houserock Valley in return for approximately 100,000 acres of range in the Kaibab National Forest.— <i>Coconino Sun</i> ." (ENTIRE ITEM)] [House Rock Valley.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

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| 1952  | 19.4153 | Game surveys completed. <i>In:</i> Here and There on the Desert [SECTION]. <i>Desert Magazine</i> , 15(6) (June): 31. ["Grand Canyon—'Knowledge of deer populations and trends is essential to proper deer range management,' explained J. J. Baldwin, district forest ranger for Kaibab National Forest when he released the figures obtained in the April range survey. 'Through a study of condition and trend of the herd and a study of available forage, it is possible to estimate and recommend the number that should be removed annually in hunting.' The survey will be evaluated by the Arizona Game Commission before hunt proposals are made.— <i>Kane County Standard</i> ." (ENTIRE ITEM)] |
| 1952  | 19.4154 | Cattle in Kaibab. <i>In:</i> Here and There on the Desert [SECTION]. <i>Desert Magazine</i> , 15(7) (July): 29. ["Grand Canyon—The United States Forest Service has decided to give cattle a permanent place on the Kaibab National Game Refuge, which was set aside by President Theodore Roosevelt in 1906 for the famou Kaibab deer herd. The action was taken because cattlemen agreed to reduce livestock use 38 percent through fall calf sales that wuld remove the annual increase. It is expected the admission of cattle to range lands will necessitate a larger deer hunt this fall.— <i>Arizona Republic</i> ." (ENTIRE ITEM)]  |
| 1952  | 19.4155 | Biggest Kaibab hunt. <i>In:</i> Here and There on the Desert [SECTION]. <i>Desert Magazine</i> , 15(11) (November): 29. ["Grand Canyon—The entire Grand Canyon National Game Preserve will be open during parts of October and November for the biggest Kaibab North deer hunt in history. The first section hunt was scheduled October 10 through 19; the second will begin October 24 and continue through November 9. Seven thousand hunters were expected to participate.— <i>Chandler Arizonan</i> ." (ENTIRE ITEM)]  |
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| 1957  | 19.4814 | Mule deer in the Kaibab. <i>Westways</i> , (November):.  |
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| 1958  | 19.3072 | Early history of the North Kaibab. <i>Arizona Game Protective Association, Outdoor News</i> , (July):.   |
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| 1959  | 19.4335 | Bears on canyon rim. <i>Desert Magazine</i> , 22(12) (December): 35. ["For the first time in many years, wild black bears have been seen on the South Rim of Grand Canyon. Reports indicate that the bears are two or three years old and weigh from 150 to 200 pounds. Potentially dangerous to overly-curious tourists, the bears so far have done no worse than knock over a few garbage cans. Most of the bruins were spotted in Grandview, a ehavily wooded area 10 miles east of Park headquarters." (ENTIRE ITEM)]  |
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| 1960  | 19.6247 | L'homme et la nature. <i>La Banque Royale du Canada, Bulletin Mensuel</i> , 41(4) (May): 1-4. [See pp. 3-4, brief remarks on Kaibab deer herd.] <b>[In French.]</b>  |
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| 1964  | 19.6753 | Assault on common sense. <i>In:</i> News and Commentary [SECTION]. <i>National Parks Magazine</i> , 38(203) (August): 16. [Arizona Game and Fish Commission "sanctioned an 8-day open season on the rare and scientifically important Kaibab squirrel".]   |
| 1964  | 19.4057 | [Life zones.] <i>Popular Mechanics</i> , 122(3) (September): 57. [Filler. "Six of the world's seven life zones ranging from conditions of the Equator to the Poles are represented within a radius of 50 miles from the heart of the Grand Canyon. The only zone missing is the Tropic." (ENTIRE ITEM)]  |

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

1964	19.6754	[Position statement and action item.] <i>National Parks Magazine</i> , 38(205) (October): back cover. [Opposes Arizona Game and Fish Commission's recent announcement of an open season on the Kaibab squirrel in conjunction with a turkey hunt. "The scheduled hunt was cancelled for this year, at least."]
1968	19.72	<i>Wild turkey</i> . Phoenix: Arizona Game and Fish Department, Arizona Big Game Bulletin. ≡ CROSS-LISTINGS  CITED» GCNHA Monograph 8: page 4-31
1969	19.2943	News notes from Baylor University. <i>Texas Herpetological Society Newsletter</i> , [older series (Sam Houston State College)], (March): [3]. [Notice of Fred Gehlbach research at Grand Canyon.]
1975	19.6146	Ponderosa pine and Abert squirrels. <i>Forestry Research</i> (U.S. Forest Service, Fort Collins, Colorado), (July): 6-7. [Research of David R. Patton. Includes Kaibab squirrel.]
1977	19.4106	Grand Canyon burros get 1-year reprieve. <i>National Park Courier</i> (U.S. National Park Service, Employees and Alumni Association), 24(5) (May): 3.
1977	19.6757	Grand Canyon; NPS grapples with widespread misunderstanding of burro problem. <i>National Parks and Conservation Magazine</i> , 51(6) (June): 26.
1977	19.1342	[A biological profile of the Grand Canyon.] <i>Plateau</i> , 49(4): 32, inside back cover. ≡ CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 92   CITED» GCNHA Monograph 8: page 4-24
1978	19.3336	Can the GOP save them? <i>In</i> : Frontlines [SECTION]. <i>Mother Jones</i> , 3(7) (August): 9. [Grand Old Party (Republican Party). Feral burros in Grand Canyon.]
1978	19.74	NPCA observes park problems in the inner canyon. <i>National Parks and Conservation Magazine</i> , 52(10) (October): 22, 29-30. [Includes the burro problem.] ≡ CROSS-LISTINGS  CITED» GCNHA Monograph 8: page 4-10
1978	19.73	<i>Fishing and endangered fish species in Grand Canyon National Park</i> . Grand Canyon Natural History Association. ≡ CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 86   CITED» GCNHA Monograph 8: page 4-10
1979	19.4109	Grand Canyon NP. <i>In</i> : Park Briefs [SECTION]. <i>Courier</i> (U.S. National Park Service), 2(6) (April): 12. [Proposal to remove burros from Grand Canyon the subject of six public meetings in the Southwest.]
1980	19.4110	Grand Canyon NP. <i>In</i> : Park Briefs [SECTION]. <i>Courier</i> (U.S. National Park Service), 3(1) (January): 9. [Feral burros in Grand Canyon to be rounded up by the New York-based Fund for Animals.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

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| 1980 | 19.3335 | Living on burrowed time? <i>New Scientist</i> , 87 (August 14) (1214): 511. [Feral burros in Grand Canyon.]  |
| 1980 | 19.76   | The big burro boost. <i>Life</i> , 3 (October): 118-120.<br><span style="color: #8B4513;">≡ CROSS-LISTINGS  CITED» GCNHA Monograph 8: page 4-31 </span>  |
| 1980 | 19.75   | NPCA intervenes in burro lawsuit. <i>National Parks and Conservation Magazine</i> , 54 (November): 22.<br><span style="color: #8B4513;">≡ CROSS-LISTINGS  CITED» GCNHA Monograph 2: page 86   CITED» GCNHA Monograph 8: pages 4-10, 7-14 </span> |
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| 1981 | 19.77   | 1980: A banner year for NPCA programs; Solving park management problems. <i>National Parks</i> , 55(4): 17.<br><span style="color: #8B4513;">≡ CROSS-LISTINGS  CITED» GCNHA Monograph 8: page 4-23 </span> |
| 1981 | 19.78   | 1980: A banner year for NPCA programs; Planning wildlife policy. <i>National Parks</i> , 55(4): 20.<br><span style="color: #8B4513;">≡ CROSS-LISTINGS  CITED» GCNHA Monograph 8: page 4-23 </span>         |
| 1981 | 19.2002 | Trout saved; Reclamation [ <i>sic</i> ] backs off. <i>Arizona Wildlife News</i> (Arizona Wildlife Federation), 16(11): 1. [Bureau of Reclamation.]   |
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| 1983 | 19.79   | Working out land plans on the Arizona Strip. <i>National Parks and Conservation Magazine</i> , 57(5/6) (May/June): 39.<br><span style="color: #8B4513;">≡ CROSS-LISTINGS  CITED» GCNHA Monograph 8: page 4-31 </span> |
| 1983 | 19.6087 | Update on 2,4-D appeal in Arizona Strip. <i>Canyon Echo</i> (Sierra Club, Grand Canyon Chapter), 19(6) (August): 7. [Herbicide 2,4-Dichlorophenoxyacetic acid.]   |
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| 1984 | 19.80 | <i>Life on the canyon rim</i> . Grand Canyon Natural History Association, [8] pp. (The Rim Trail series.)<br><span style="color: #8B4513;">≡ CROSS-LISTINGS  CITED» GCNHA Monograph 8: page 4-10 </span> |
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| 1985 | 19.3619 | The endangered plant program in Arizona: A summary. <i>The Plant Press</i> (Arizona Native Plant Society), 9(1) (Spring): 2-5.  |
| 1985 | 19.81   | <i>The story behind "Our National Parks"</i> . [Pleasantville, New York]: Reader's Digest Association, [4] pp. [Pamphlet accompanying <i>Our National Parks</i> (1985); p. [2] contains a drawing and brief notice of Joseph Hall's work on the Kaibab squirrel.] |
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| 1986 | 19.4016 | The endangered plant program in Arizona: An update. <i>The Plant Press</i> (Arizona Native Plant Society), 10(1) (Spring): [unpaginated]. |
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| 1989 | 19.82 | Striped bass sightings. <i>Grand Canyon River Guides</i> [newsletter], 2(2) (December): 2. |
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| 1990 | 19.83 | Noteworthy collections; Arizona. <i>Madroño</i> , 37(1): 60-62.<br><span style="color: #8B4513;">≡ CROSS-LISTINGS  CITED» GCNHA Monograph 8: page 4-10 </span> |
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

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| 1990 | 19.4710 | Burros slaughtered in Arizona. <i>High Country News</i> , 22(11) (June 4): 3. [In northwestern Arizona, 51 wild burros as part of a group of "150 scheduled for adoption under a BLM program" were found shot to death.] [Bureau of Land Management.] |
| 1990 | 19.84   | Grand Canyon birds. <i>Regarding:</i> (Grand Canyon Natural History Association newsletter), (October): [2-3].<br><span style="color: #8B4513;">≡ CROSS-LISTINGS</span> <span style="color: #8B4513;"> [CITED» GCNHA Monograph 8: page 4-31]</span>   |
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| 1991 | 19.85 | Striped bass ( <i>Morone Saxatilis</i> ). <i>The News</i> (Grand Canyon River Guides), 4(2) (Summer): 15. |
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| 1992 | 19.3784 | Havasupai sunflower: Unique resistance to major crop disease. <i>The Seedhead News</i> (Native Seeds/SEARCH, Tucson), (36) (Spring Equinox): [1].  |
| 1992 | 19.1978 | Research highlights: Lee's Ferry trout studies. <i>Arizona Wildlife Views</i> , 35(5):.  |
| 1992 | 19.5406 | [Report on HawkWatch International observations, September 1-November 5, 1992, at Grand Canyon.] <i>Regarding:</i> (Grand Canyon Natural History Association newsletter), (December): [1-3]. |
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| 1993 | 19.4712 | Fish and the Colorado River. <i>High Country News</i> , 25(3) (February 22): 12.   |
| 1993 | 19.4713 | Fish and the Colorado River. <i>High Country News</i> , 25(5) (March 22): 8.   |
| 1993 | 19.87   | Critical habitat designations for four Colorado River fishes. <i>Endangered Species</i> , 18(2): 7, 9, 11.   |
| 1993 | 19.4809 | [Brief response to] Wuddyathink? On trimming tamarisks. . . <i>The News</i> (Grand Canyon River Guides), 6(3) (Late Summer): 17. [Ellipsis is part of title.] [Item signed "Russell".]                                 |
| 1993 | 19.3624 | Highlights of Native Seeds' 1992 annual report. <i>Seedhead News</i> (Native Seeds/SEARCH, Tucson), (41/42) (Summer/Autumn): 12. [Includes notes on rust-resistant Havasupai sunflower and Havasupai tribe cultivars.] |
| 1993 | 19.5302 | Winter at the Grand Canyon. <i>Grand Canyon Report</i> (Las Vegas), (Winter 1993/1994): 15.  |
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| 1994 | 19.5378 | Scientific work. <i>In:</i> Lamb, Susan (ed.), <i>The best of Grand Canyon Nature Notes</i> . Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 6-7. [Reprinted from <i>Grand Canyon Nature Notes</i> , June, 1929.]  |
| 1994 | 19.88   | Observations. <i>In:</i> Lamb, Susan (ed.), <i>The best of Grand Canyon Nature Notes</i> . Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 45. [Reprinted from <i>Grand Canyon Nature Notes</i> , September, 1921 [ <i>sic</i> ], October, 1932, November, 1926; mule deer, tarantulas.] |



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

- 1994 19.89 Autumn. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 46. [Reprinted from *Grand Canyon Nature Notes*, November, 1926.]
- 1994 19.90 Observations. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 48. [Reprinted from *Grand Canyon Nature Notes*, April, 1930, May, 1934; mourning cloaks, birds, white-throated swift.]
- 1994 19.91 Odds and ends. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 88-89. [Reprinted from *Grand Canyon Nature Notes*, March, 1931; April, 1931; July, 1929; September, 1929; lizards, snakes.]
- 1994 19.92 Observations. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 97. [Reprinted from *Grand Canyon Nature Notes*, April, 1928; water ouzel nests.]
- 1994 19.93 Observations. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 107-109. [Reprinted from *Grand Canyon Nature Notes*, March, 1932; June 1929; July, 1928; August, 1930; October, 1928; October, 1930; December, 1931; birds.]
- 1994 19.94 Observation. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 111. [Reprinted from *Grand Canyon Nature Notes*, July, 1933; chipmunks.]
- 1994 19.95 Button, button, who has the button? *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 112-113. [Reprinted from *Grand Canyon Nature Notes*, September, 1926; packrats.]
- 1994 19.96 Observations. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 115. [Reprinted from *Grand Canyon Nature Notes*, April, 1932; July, 1934; squirrels, chipmunks.]
- 1994 19.97 Observation. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 118. [Reprinted from *Grand Canyon Nature Notes*, May, 1930; porcupine.]
- 1994 19.98 Observation. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 123. [Reprinted from *Grand Canyon Nature Notes*, May, 1929; skunks.]
- 1994 19.99 Observation. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 124. [Reprinted from *Grand Canyon Nature Notes*, March, 1933; mountain weasel. (For original see E. D. McKee, 1933, *ITEM NO.* 19.5061).]
- 1994 19.100 A near tragedy. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 127. [Reprinted from *Grand Canyon Nature Notes*, March, 1928; hawk loses rabbit prey.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

- 1994 19.101 Antlers as an age indicator of deer. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 132. [Reprinted from *Grand Canyon Nature Notes*, October, 1928.]
- 1994 19.102 Observations. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 133. [Reprinted from *Grand Canyon Nature Notes*, January, 1934; deer swimming Colorado River near Phantom Ranch.]
- 1994 19.103 Hermit steer of Grand Canyon. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 133-134. [Reprinted from *Grand Canyon Nature Notes*, May, 1928.]
- 1994 19.104 Mountain sheep observed on Canyon rim. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 136-137. [Reprinted from *Grand Canyon Nature Notes*, December, 1927; February, 1929; December, 1932.]
- 1994 19.105 Observations. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 139-140. [Reprinted from *Grand Canyon Nature Notes*, July, 1932; May, 1934; pronghorn antelopes.]
- 1994 19.106 Observations. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 140-141. [Reprinted from *Grand Canyon Nature Notes*, June, 1930; November, 1933; coyotes, fox.]
- 1994 19.107 Fox holds up party. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 141. [Reprinted from *Grand Canyon Nature Notes*, June, 1927.]
- 1994 19.4609 Grand Canyon endangered species need protection. *Headwaters*, (Spring): 7.
- 1994 19.108 [Notice of comments due on Kanab ambersnail.] *In*: Recent ESA actions. *Ecology USA*, 23(20) (October 3): 198.
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- 1995 19.3238 A call from the Colorado Plateau. *Growing WILD* (Utah's Project WILD Newsletter, Utah Division of Wildlife Resources) [Wildlife In Learning Design], (Winter): 1-15 [entire issue]. [Principally Utah, but features Grand Canyon and Colorado River ecosystems.]
- 1995 19.6760 A grand celebration. *In*: Notices [SECTION]. *National Parks*, 69(1/2) (January/February): 47. [National Parks and Conservation Association presents Grand Canyon National Park "with \$12,200—raised through a promotion with Matrix Essentials—to support native plant revegetation projects."]
- 1995 19.109 Butterfly poachers brought to justice. *Endangered Species Bulletin*, 20(2): 4-6.
- 1995 19.110 The climb to the top of Wotan's Throne. *In*: Pioneer Footprints [SECTION]. *O' Pioneer* (Grand Canyon Pioneers Society), 6(7): 4. [From *Tucson Sun*, 24 September 1937, regarding Harold E. Anthony expedition.]
- 1995 19.111 Bald Eagle downlisted. *Grand Canyon Field Notes* (Center for Resource Interpretation, Grand Canyon National Park, Technical Paper Series), (1): [1].

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

- 1995 19.112 Mountain lions. *Grand Canyon Field Notes* (Center for Resource Interpretation, Grand Canyon National Park, Technical Paper Series), (3) (September 22): [1], [2].
- 1995 19.113 News from the Science Center. *Grand Canyon Field Notes* (Center for Resource Interpretation, Grand Canyon National Park, Technical Paper Series), (4) (October 1): 2. [California condors, squirrels.]
- 1995 19.114 Hawks in trouble. News from the Science Center. *Grand Canyon Field Notes* (Center for Resource Interpretation, Grand Canyon National Park, Technical Paper Series), (4) (October 1): 2.
- 1995 19.115 Arizona. California condor recovery program. *The Condor Update*, (4) (October 5): [3]. [Vermilion Cliffs.]
- 1995 19.116 Condors coming. *Boatman's Quarterly Review*, 8(4): 4.
- 1995 19.117 Don't worry, be humpy! Second in a series of news from the Third Biennial Conference of Research on the Colorado Plateau. *Grand Canyon Field Notes* (Center for Resource Interpretation, Grand Canyon National Park), (7) (December 11): [1]. [Title refers to humpback chubs.]
- 1995 19.118 Lee's Ferry going barbless. *Wild Times* (Arizona Game and Fish Department), 2(6) (December 1995-January 1996): 3.
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- 1996 19.119 You saw a what? *Grand Canyon Field Notes* (Center for Resource Interpretation, Grand Canyon National Park), (9) (January 17): [1]. [Reference to new wildlife observation report cards.]
- 1996 19.120 Condors ahoy!! *Grand Canyon Field Notes* (Center for Resource Interpretation, Grand Canyon National Park, Technical Paper Series), (11) (January 23): [1-4].
- 1996 19.121 Condors too! *Grand Canyon Field Notes* (Center for Resource Interpretation, Grand Canyon National Park, Technical Paper Series), (12) (January 26): [1-6].
- 1996 19.122 Parasitic cowbirds. *Grand Canyon Field Notes* (Center for Resource Interpretation, Grand Canyon National Park, Technical Paper Series), (13) (February 7): [1-2].
- 1996 19.123 California condor (*Gymnogyps californianus*). *Grand Canyon Field Notes* (Center for Resource Interpretation, Grand Canyon National Park, Technical Paper Series), (15) (February 15): [3-4].
- 1996 19.124 Condors. *Boatman's Quarterly Review*, 9(3): 5.
- 1996 19.125 Colorado River species. *Endangered Species Bulletin*, 21(4) (July/August): 27.
- 1996 19.126 Revegetation Day for Association members. *Canyon Views* (Grand Canyon Association), 2(1): 8. [See also Frazier, John (1996).]
- 1996 19.4818 Mother nature wins again. *The Ol' Pioneer* (Grand Canyon Pioneers Society), 7(9): 1-2. [1924 Kaibab deer drive.]
- 1996 19.127 Condor reintroduction delayed again. *Colorado Plateau Advocate*, (Fall): 4.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

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| 1996 | 19.128  | Arizona condor release program. <i>Peregrine Fund</i> (newsletter), (27) (Fall/Winter), p. 5 (and see "Special Thanks", p. 6).  |
| 1996 | 19.2955 | Northern Arizona bat roost inventory. <i>Bats Magazine</i> , 14(4) (Winter). [Call for volunteers.]   |
| 1996 | 19.4533 | [ <i>Corynebacterium renale</i> isolated from euthanized mule deer from Grand Canyon National Park.] <i>In</i> : Diagnostic Update [SECTION]. <i>AzVDL Newsletter</i> (University of Arizona, Department of Veterinary Science/Microbiology, Arizona Veterinary Diagnostic Laboratory and Cooperative Extension), 1(3) (December): 4. |
| 1996 | 19.129  | Flight of the condors. <i>People, Land and Water</i> (U.S. Department of the Interior), 4(1) (December 1996/January 1997): 5.   |
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| 1997 | 19.130 | Thomas Hooker, technician of the of the year. <i>Engineering Field Notes</i> (U.S. Forest Service, Engineering Staff), 29 (January/April): 17-18.                                     |
| 1997 | 19.131 | Days of the condor. <i>National Parks</i> , 71(3/4) (March/April): 20. [First six condors released "30 miles north of Grand Canyon National Park" ( <i>i.e.</i> , Vermilion Cliffs).] |
| 1997 | 19.132 | Signpost [SECTION]. <i>Backpacker</i> , 25(3) (April): 14. [Condors.]   |
| 1997 | 19.133 | Condor calamity. <i>Colorado Plateau Advocate</i> , (Spring): 5.  |
| 1997 | 19.134 | Canyon condors. <i>Boatman's Quarterly Review</i> , 10(3) (Summer): 39. [Credited to "California Condor Project Update".]   |
| 1997 | 19.135 | Condor reintroduction update. <i>Arizona Conservation Voter</i> , 6(2) (Summer): 8, 11.   |
| 1997 | 19.136 | California condor in Arches. <i>The Confluence</i> (Colorado Plateau River Guides), 4(2) (Summer): 6. [Arches National Park, Utah. From Arizona.]                                     |
| 1997 | 19.137 | <i>It's a big bird</i> . <i>High Country News</i> , 29(18) (September 29): 7. [Condors.]  |
| 1997 | 19.138 | Condor corner. From "Notes From the Field" at the Peregrine Fund's web site. <i>Northern Arizona Audubon Society, Newsletter</i> , 27(2) (October): 6.                                |
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| 1998 | 19.3622 | Plant conservation in Grand Canyon National Park. <i>The Plant Press</i> (Arizona Native Plant Society), 22(1) (Winter/Spring): 7. [Brief news note regarding removal of non-native plants and planting of native species.]   |
| 1998 | 19.2425 | Volunteers needed—Kaibab Plateau bat research. <i>Bats</i> , 16(1) (Spring): 19.  |
| 1998 | 19.4103 | Grant funds endangered plant monitoring. <i>In</i> : Highlights [SECTION]. <i>Park Science</i> (U.S. National Park Service), 18(1) (July): 5. [National Fish and Wildlife Foundation's Native Plant Conservation Initiative. Sentry milk-vetch on South Rim of Grand Canyon; Hevron milk-vetch on Navajo Nation lands at Marble Canyon; newly discovered population, possibly a new variety, on the North Rim.] |

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

1998	19.4005	Numbers of California condors in the wild continue to soar. <i>Bird Calls</i> (American Bird Conservancy, Policy Council), (November): 3. [Includes note of release at Hurricane Cliffs site.]
1998	19.5831	Fishing the dropper. <i>Streamside</i> (Dame Juliana League, Kimberton, Pennsylvania), 4(4) (Winter): 5. [Regarding the use of dropper flies. Includes notes of fishing at Lees Ferry.] [Written in the first person but unsigned.]
1999	19.1958	The condors come home to Arizona. <i>The Ol' Pioneer</i> (Grand Canyon Pioneers Society), 10(1) (January/March): 7.
1999	19.139	Condor protocol. <i>Boatman's Quarterly Review</i> , 12(2) (Spring): 27.
1999	19.2956	North American Bat Conservation Partnership. <i>In</i> : BCI Highlights [SECTION]. <i>Bats Magazine</i> , 17(1) (Spring). [Notice of survey of a Mexican free-tailed bat cave in Grand Canyon; cave not specified.]
1999	19.2957	Volunteers needed—Grand Canyon bat research. <i>Bats Magazine</i> , 17(1) (Spring).
2000	19.1979	Condors face lead-poisoning problem. <i>The Bulletin</i> (Grand Canyon Pioneers Society), 4(8): 3.
2000	19.3183	Lead kills five condors at the Grand Canyon; scientists hope incident is an anomaly in successful program. <i>National Parks</i> , 74(11/12) (November/December): 16, 18.
2001	19.4819	Fish prompt grand water on the Grand. <i>In</i> : River Runner Hot Line [SECTION]. <i>Paddler</i> , 21(2) (March/April): 54.
2001	19.2014	Curious condors. <i>The Waiting List</i> (Grand Canyon Private Boaters Association), 5(1) (Spring): 35. [Originally distributed via <i>gcpba Newswire</i> on-line, February 15, 2001.]
2001	19.2917	[Grand Canyon ecosystem on the verge of crisis.] <i>NEDO U.S. Information Center, Biweekly</i> (New Energy and Industrial Technology Development Organization, Tokyo) (May 7): 13. [In Japanese.]
2001	19.2035	[Comment.] <i>In</i> : Flipped Out—Letters to the GCPBA [SECTION]. <i>The Waiting List</i> (Grand Canyon Private Boaters Association Quarterly), 5(2) (Summer): 37. [Item signed "Bruce".]
2001	19.2137	Going, going, gone? Grand Canyon native fish. <i>Living Rivers Currents</i> , 1(4) (December): 2.
2002	19.2169	Native fish; recovery or rhetoric? <i>Living Rivers Currents</i> , 2(1) (January): 2.
2002	19.4434	A southwestern tour. <i>Espinasy Flores</i> (San Diego Cactus and Succulent Society), 37(3) (March): 2. [Notice of presentation to be made by Juergen Menzel, to "focus primarily on <i>Pediocactus</i> and <i>Sclerocactus</i> ", featuring "many famous cacti localities like Marble Canyon, the Grand Canyon, and Little Colorado."]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

- 2002 19.4507 Aquatic ecosystem activities, Project 1, Benthic monitoring of cobble bars in the Colorado River in Glen, Marble, and Grand Canyon reaches (DOI). *Funding Opportunities for Research, Instruction, Service, Creative Activities, Fellowships and International Programs* (Kansas State University, Office of Research and Sponsored Programs), 11(10) (March 18): [1]. [DOI, U.S. Department of the Interior; funding source.]
- 2002 19.2974 Arizona. *In*: State Update [SECTION]. *Nuisance Notes* (U.S. Fish and Wildlife Service), (Spring) (Western Regional Panel Update, 13): [1]. [New Zealand mud snails at Lees Ferry.]
- 2002 19.2254 Old growth legacy; preserving the remaining 5 percent of Southwest old growth ponderosa pines. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 38(3) (May/June): 1-3.
- 2002 19.2271 Condors just wanna have fun. *In*: Taking the Off-Ramp [SECTION]. *Arizona Highways*, 78(9) (September): 5.
- 2002 19.2360 Invasive snail species detected at Lees Ferry in Glen Canyon National Recreation Area. *WAPMS News* (Western Aquatic Plant Management Society), (Summer/Fall):.
- 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.]
- 2002 19.2333 Habitat Security back in action for native fish. *Living Rivers Currents*, 2(6) (October): 1.
- 2002 19.2334 Temperature rising; modification proposed for Glen Canyon Dam. *Living Rivers Currents*, 2(6) (October): 2.
- 2002 19.2335 Dam flows fail to help Grand Canyon native fish. *Living Rivers Currents*, 2(6) (October): 2.
- 2002 19.6640 From argali to bighorn. *Fish and Wildlife News* (U.S. Fish and Wildlife Service), (Winter 2002-2003): 11-12. [Chinese biologists on Hualapai Indian Reservation and in Montana as part of the service's International Affairs program, which includes a cooperative study of the conservation and management of argali sheep in China and Rocky Mountain bighorn in Arizona. Includes photo of bighorn group along Widforss Trail, Grand Canyon North Rim.]
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- 2003 19.6762 Grand Canyon N.P., Arizona. *In*: News in Brief [SECTION]. *National Parks*, 77(3/4) (March/April): 14. [As many as 30,000 brown and rainbow trout removed from Grand Canyon National Park in January.]
- 2003 19.2359 Olo-oqlace. *Boatman's Quarterly Review*, 16(1) (Spring): 48. ["Miniature horses" of the Grand Canyon.]
- 2003 19.5303 California condors grace GC skies; endangered bird native to the Canyon ecosystem reintroduced in 1996. *In*: *Grand Canyon Tusayan guide : Spring 2003*. Williams, Arizona: Williams-Grand Canyon News, p. 31.
- 2003 19.2988 School of Forest Resources outstanding alumni. *Resources* (Pennsylvania State University, School of Forest Resources), 3(2) (Summer): 16-19. [See "Thomas L.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

- Serfass", pp. 18-19. River otter reintroduction in Grand Canyon noted *in passing*, p. 19.]
- 2003 19.3069 Rugged Cataract Canyon goes under EMA's microscope. *Babbitt Ranches* (July): 8. [Ecological Monitoring and Assessment Foundation, Northern Arizona University.]
- 2003 19.2928 California condors in AZ. *Blackhawk Watch* (Northern Arizona Audubon Society), 33(1) (September/October): 1, 7. [Talk announcement.]
- 2003 19.6094 Connect to condor conservation. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 39(5) (September/October): 5. [Announcement of presentation by Chris Parrish and outing on South Rim.]
- 2003 19.6639 Young California condor takes flight in Arizona. *Fish and Wildlife News* (U.S. Fish and Wildlife Service), (Fall): 3-4. ("Excerpted from Joint Agency News Release".) [Vermilion Cliffs National Monument and Grand Canyon National Park.]
- 2003 19.2426 Baby condor hatches. *Arizona's Nongame News* (Arizona Game and Fish Department, Nongame and Endangered Wildlife Program), (11) (October): 2.
- 2003 19.2429 California condors grace GC skies; endangered bird native to the Canyon ecosystem reintroduced in 1996. *In: Grand Canyon Tusayan guide : Fall 2003*. Williams, Arizona: Williams-Grand Canyon News, p. 2.
- 2003 19.2387 California condors. *In: The Lake Powell USA visitors guide : Page/Lake Powell and Grand Circle guide to recreation*. Page, Arizona: Lake Powell Communications, p. 7.
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- 2004 19.2473 Camelthorn warriors. *Boatman's Quarterly Review*, 17(2) (Summer): 41.
- 2004 19.2492 A quick California condor update. *Nature Notes* (Grand Canyon National Park), (Fall): 12.
- 2004 19.2927 Talk on July 18th: The geology and natural history of the Grand Canyon (and some other places). *Friends of the E. de C. Clarke Earth Science Museum, Newsletter* (University of Western Australia), (September): 3-8.
- 2004 19.5304 Condors are thriving at the Canyon; reintroduction program leads to three wild-born chicks. *Grand Canyon Tusayan guide : Fall 2004*. Williams, Arizona: Williams-Grand Canyon News, p. 10.
- 2004 19.5305 California condors at GC. *Grand Canyon Tusayan guide : Fall 2004*. Williams, Arizona: Williams-Grand Canyon News, p. 31.
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- 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.
- 2005 19.2526 Sierra service outings. *Canyon Echo*, (May/June): 12. [California condors.]
- 2005 19.2639 First condor hatched in the wild in decades dies. *Canyon Views* (Grand Canyon Association), 11(2) (Summer): 1-2.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

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| 2005 | 19.6142 | Art students to illustrate canyon's rare plants. <i>The Sonoran Quarterly</i> (Desert Botanical Garden, Phoenix), 59(4) (December) (Winter): 14.  |
| 2006 | 19.3889 | CCSS Four Corners tour itinerary set for Apr. 20-24. <i>Colorado Cactus and Succulent Society, Chinle Chapter</i> (Glade Park, Colorado) [newsletter], (February): 3-4. [Notes in part, "Plant stops are scheduled along US 89 between Cameron and Navajo Bridge, Lees Ferry, along the road to Jacob Lake. You might find yourself detouring into Upper House Rock Valley." (ENTIRE NOTE)]   |
| 2006 | 19.5027 | Descoberto novo gênero de grilo. <i>SBE Noticias</i> (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 | 19.4307 | Arizona travel. <i>Senior Resource Quarterly</i> (CPCU Society [Society of Chartered Property and Casualty Underwriters], Malvern, Pennsylvania), 17(1) (March): 3. [Written in the first person but without by-line. Notes visit by "the Decaminadas and Kirschbaums" to Grand Canyon in spring 2005. "The Grand Canyon itself was a major surprise, despite being repeat visitors—it was green. One of the senior rangers told us 2005 was year 25 for him and the only time he had ever seen it looking like that—thanks to all the earlier rain, plant life had exploded." (ENTIRE NOTE)] |
| 2006 | 19.5912 | Bush Administration forced to abandon plans to log near Grand Canyon; conservationists call on Administration to protect communities at risk from wildfires instead of logging old growth forests. <i>Iowa Sierran</i> (Sierra Club, Iowa Chapter, Des Moines), 36(1) (Spring): 6.  |
| 2006 | 19.6398 | Volunteers in Arizona. <i>In: The Bat Bulletin Board</i> [SECTION]. <i>Western Bat Working Group Newsletter</i> , 2(1) (April): 32-33. [Aubrey Valley, Arizona.]  |
| 2006 | 19.3087 | Lees Ferry. <i>On the Fly</i> (Fly Fishers Club of Orange County, California), (July): 1.   |
| 2006 | 19.2664 | Grand Canyon fish seem to be rebounding. <i>In: Of Note</i> [SECTION]. <i>Science News</i> , 178(8): 126.   |
| 2006 | 19.2936 | Utah researchers discover new type of cave cricket. <i>In: Cave Biology</i> [SECTION]. <i>TSA Activities Newsletter</i> (Texas Speleological Association), 10(10) (October): 4-5. [Grand Canyon-Parashant National Monument caves. Excerpted from online posting from <i>Washington Post</i> , 25 July 2006.]   |
| 2007 | 19.2657 | Friday, March 30th: Please join the effort to fight the onslaught of Sahara mustard! <i>In: Mark Your Calendars!</i> [SECTION]. <i>Boatman's Quarterly Review</i> , 20(1) (Spring 2006-2007) [sic]: 7.  |
| 2007 | 19.2685 | From the brink of extinction. <i>In: Grand Canyon Tusayan guide : Summer 2007</i> . Williams, Arizona: Williams-Grand Canyon News, p. 17. [Condors.]  |
| 2007 | 19.6629 | Whirling disease discovered in trout at Lees Ferry. <i>Forward Casts</i> (Desert Fly Casters, Mesa, Arizona), (July): [unpaginated] [1-page article]. [Credited to "News Media, Jun 15, 2007".]   |



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

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| 2007 | 19.3080 | Whirling disease discovered in trout at Lees Ferry. <i>The Flycaster</i> (Northern Arizona Flycasters, Flagstaff), (June/July): [unpaginated] [4-page article.] |
| 2007 | 19.3085 | California condor. <i>ConSci Newsletter</i> (Phoenix Zoo, Department of Conservation and Science), 2(1) (September): 2.   |
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| 2008 | 19.4275 | [Introductory comments.] <i>In</i> : Colorado River fisheries: Summer field experiences of FAS graduate students. <i>WaterWorks</i> (University of Florida, Institute of Food and Agricultural Sciences, Department of Fisheries and Aquatic Sciences), (January): 2.   |
| 2008 | 19.3063 | The Rosi-Marshall lab rides the waves (and makes a few too). <i>Department of Biology Newsletter</i> (Loyola University, Chicago), (11) (January/March): 1-2. [Humpback chub research.]   |
| 2008 | 19.2991 | Volunteers help control invasive plants. <i>Canyon Sketches eMagazine</i> (Grand Canyon National Park), Volume 2 (April), <a href="http://www.nps.gov/grca/naturescience/cynsk-v02.htm">http://www.nps.gov/grca/naturescience/cynsk-v02.htm</a>   |
| 2008 | 19.2992 | Tusayan Flameflower conservation; park biologists conserve rare plant near Canyon View Information Plaza. <i>Canyon Sketches eMagazine</i> (Grand Canyon National Park), Volume 5 (August), <a href="http://www.nps.gov/grca/naturescience/cynsk-v05.htm">http://www.nps.gov/grca/naturescience/cynsk-v05.htm</a> |
| 2008 | 19.3107 | California condor— <i>Gymnogyps californianus</i> . <i>ConSci Newsletter</i> (Phoenix Zoo, Department of Conservation and Science), 2(2) (September): 3.  |
| 2008 | 19.2750 | From the brink of extinction. <i>In</i> : <i>Grand Canyon Tusayan guide : Fall 2008</i> . Williams, Arizona: Williams-Grand Canyon News, p. 31. [California condor.]  |
| 2008 | 19.2793 | GCA and the NPS launch Adopt-a-Lion program. <i>Canyon Views</i> (Grand Canyon Association), 14(4) (Winter 2008/2009): 13. [Grand Canyon National Park wildlife conservation program; Grand Canyon Association and National Park Service.]  |
| 2008 | 19.2911 | Grand Canyon Wildlands Riparian Revegetation Project; Glen Canyon reach of the Colorado River. <i>In</i> : Volunteer Opportunities [SECTION]. <i>Student Connections</i> (Northern Arizona University, Ecological Monitoring and Assessment Program), (November): 12.   |
| 2008 | 19.4260 | <i>Kaibab National Forest : ecological sustainability report. Version 1.01, December 19, 2008</i> . [No place]: U.S. Forest Service, 100 [101] pp. [Includes <i>Errata</i> , March 30, 2009, as p. [101].]  |
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| 2009 | 19.3362 | Grand Canyon humpback chub fare better than Upper Basin populations through recent drought. <i>Swimming Upstream</i> (U.S. Fish and Wildlife Service, Upper Colorado River Endangered Fish Recovery Program), (Winter): 3.  |
| 2009 | 19.2895 | Nature factoid; spotted bats. <i>Arizona Highways</i> , 85(2) (February): 11.   |
| 2009 | 19.3064 | Evaluation of humpback chub translocations in Grand Canyon. <i>In</i> : Current Projects at the Kansas Unit [SECTION]. <i>Muddy Waters</i> (U.S. Geological Survey and Kansas State University, Kansas Cooperative Fish and Wildlife Research Unit), 4(1) (May): [2]. |

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

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| 2009 | 19.3964 | Manzanita (Kane Co.) <i>In</i> : Chapter News [SECTION]. <i>Sego Lily</i> (Utah Native Plant Society), 32(3) (May): 4. [Includes notice of planned field trip to Toroweap.]  |
| 2009 | 19.3070 | Biologist documents rare find in uncommon plants. <i>Babbitt Times Review</i> (Babbitt Ranches), (July): 7. [Greg Goodwin, volunteer for The Nature conservancy. <i>Pediocactus peeblesianus</i> ssp. <i>fickeiseniae</i> , <i>Rosa stellata</i> ssp. <i>abyssa</i> , <i>Chrysothamnus molestus</i> .] |
| 2009 | 19.5212 | Endangered humpback chub population increases. <i>Southwest Hydrology</i> , 3(5) (September/October): 34-35. [Grand Canyon; referring to a U.S. Geological Survey report.]   |
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| 2010 | 19.3083 | Congratulations! It's a baby condor! <i>The Desert Dispatch</i> (Lewis and Clark Trail Heritage Foundation, Grand Canyon Chapter), 13(1) (January): 5. [Facsimile reprint of "Congratulations! It's a baby condor!" by Tara Weingarten, <i>Newsweek</i> , (August 18): 10; with brief editorial remark.] [Item noticed for historical misnomer: "In their diaries, Lewis and Clark documented that they saw dozens of condors during their trek through the Grand Canyon nearly 200 years ago."] |
| 2010 | 19.3084 | Members learn of adventures on the Colorado. <i>The Desert Dispatch</i> (Lewis and Clark Trail Heritage Foundation, Grand Canyon Chapter), 13(1) (January): 3-4. [Presentation by Todd Weber at Sharlot Hall Museum.]  |
| 2010 | 19.5116 | What makes my blue spruce blue? <i>Newspaper Article Archive</i> (Lawyer Nursery, Inc., Plains, Montana), (January): [1]-[2]. [See p. [2], note of "seed from the San Juan National Forest in Colorado and Kaibab National Forest (Kaibab Plateau) in Arizona, give the highest percentage of bluish foliage plants."]   |
| 2010 | 19.3305 | From the brink of extinction. <i>In</i> : <i>Grand Canyon Tusayan guide : Spring 2010</i> . Williams, Arizona: Williams-Grand Canyon News, p. 17. [California condor.]   |
| 2010 | 19.3996 | Grand Canyon Spring, and springs in the wildlands. <i>Wild and Brief</i> (Grand Canyon Wildlands Council), 1(1) (May 7): [1]. [Two items: "Pakoon Springs Restoration", and "Glen Canyon Riparian Restoration" (Hidden Slough, Colorado River).]   |
| 2010 | 19.3997 | Glen Canyon riparian restoration. <i>Wild and Brief</i> (Grand Canyon Wildlands Council), 1(1) (May 7): [1]. [Hidden Slough.]  |
| 2010 | 19.3792 | Speaker of the month; Terry Gunn; The new Lees Ferry. <i>Sespe Fly Fishers</i> (Sespe Flyfishers, Ventura, California), 35(6) (June): [2].   |
| 2010 | 19.3246 | Humpback chub. <i>In</i> : <i>Around the plateau on public lands: Rewilding the land</i> . <i>Sojourns</i> (Peaks, Plateaus and Canyons Association), 5(2) (Summer/Fall): 46.  |
| 2010 | 19.4510 | More condors to soar over N. Arizona. <i>A Bird's Eye View</i> (West Valley Bird Society, Northridge, California), 28(10) (October): 14.   |
| 2010 | 19.4463 | <i>Historical native fishes of Glen and Grand Canyons</i> . [No place]: Glen Canyon Dam Adaptive Management Program, [2] pp. [Fact sheet.]   |
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| 2011 | 19.3491 | Video: 2010 humpback chub translocation to Shinumo Creek. <i>Canyon Sketches eMagazine</i> (Grand Canyon National Park), Volume 21 (January), |
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

- <http://www.nps.gov/grca/naturescience/cynsk-v21.htm> [With brief introductory text online. Link to video on webpage.]
- 2011 19.3385 New Grand Canyon Encounter Live Bird Show. *In: Grand Canyon South Rim, Tusayan, and northern Arizona visitors guide : Summer 2011.* Williams, Arizona: Williams-Grand Canyon News, p. 9.
- 2011 19.3386 Condor recovery; from the brink of extinction. *In: Grand Canyon South Rim, Tusayan, and northern Arizona visitors guide : Summer 2011.* Williams, Arizona: Williams-Grand Canyon News, p. 39.
- 2011 19.4358 Three condors hatch in wilds of northern Arizona. *In: Birds In Brief [SECTION]. Bird Calls* (American Bird Conservancy, Washington, D.C.), 15(3) (October): 22-23.
- 2011 19.3713 Fall birding tour of the South Kaibab. *In: Field Trip Reports [SECTION]. BlackHawk Watch* (Northern Arizona Audubon Society), 41(2) (November/December): 3. [Southern portion of Kaibab National Forest.]
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- 2012 19.4400 California condor chick 634 fledges. *Pinyon Press* (Xanterra South Rim, L.L.C., Grand Canyon), 2012(1) (January 11): 9.
- 2012 19.3642 Beefalo history page. *American Beefalo Association Corral*, [March/April]: 6. [Includes note of Grand Canyon National Game Preserve, *in passing*.]
- 2012 19.5916 Evaluations of translocation [of] humpback chub in Grand Canyon. *In: Research Projects [SECTION]. Muddy Waters* (University of Missouri, Missouri Cooperative Fish and Wildlife Research Unit), 6(1) (Spring): 5. [Translocation to Shinumo Creek. Research by Jon Spurgeon and Dan Whiting.]
- 2012 19.5418 FPC goes to the Grand Canyon: Restoring Granite Rapids camp. *Fred Phillips Consulting Newsletter* (Yuma, Arizona), (3) (August): 2. [Monument Creek.]
- 2012 19.5419 Clearing in Granite camp begins; restoration in Grand Canyon National Park. *Fred Phillips Consulting Newsletter* (Yuma, Arizona), (4) (November): 1. [Granite Rapids camp, Monument Creek.]
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- 2013 19.4018 Arizona—north. *eNTS* (Native Tree Society), 3(1) (January): 23-29. [Item byline is "tsharp"; communicated by email.]
- 2013 19.5086 Re: Arizona—southern. *eNTS* (Native Tree Society), 3(1) (January): 235-236. [Item byline is "Don"; communicated by email; in reply to the item by "tsharp", pp. 199-203 (Anonymous, 2013, ITEM NO. 2.24651).] [Includes comments on working with a "hazard tree crew" at Phantom Ranch.]
- 2013 19.5087 Re: Arizona—southern. *eNTS* (Native Tree Society), 3(1) (January): 236-237. [Item byline is "Don"; communicated by email.] [Comments on vegetation communities of the Walhalla Plateau and elsewhere on Arizona Strip.]
- 2013 19.6857 "Rarely seen and rarely found native cacti and succulents of Arizona"; presented by Peter Breslin. *Desert Breeze* (Tucson Cactus and Succulent Society), (February): [1]. [Lecture announcement; notes House Rock Valley and Kaibab Plateau.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

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| 2013 | 19.6858 | "From The Florilegium". <i>Desert Breeze</i> (Tucson Cactus and Succulent Society), (February): [2]. ["This wonderful watercolor by artist Sally Boyle was painted from an herbarium specimen collected in 2001 by Wendy Hodgson on the Grand Canyon National Park's Bright Angel Trail (Desert Botanical Garden Herbarium Voucher 13998)." Hybrid yucca, <i>Yucca baccata</i> × <i>Yucca elata</i> . Painting, 2011. With brief biographical note of the artist.] |
| 2013 | 19.3945 | Studying elusive mountain lions at Grand Canyon. <i>Canyon Views</i> (Grand Canyon Association), 20(2) (Spring): 3-5. [Featuring the work of Brandon Holton.]  |
| 2013 | 19.4308 | Flocks of people gather at Eagle Watch. <i>Kanza News</i> (Kaw Nation, Kaw City, Oklahoma), 7(1) (Spring): 10-12. [Notes (p. 10) the 27-year-old male bald eagle named BENSAR (for Bald Eagle Northern Sutton Avian Research), who "once flew over the Grand Canyon". Photograph of BENSAR on p. 11. (ENTIRE NOTES)]   |
| 2013 | 19.4402 | Endangered humpback chub translocation schedule. <i>Pinyon Press</i> (Xanterra South Rim, L.L.C., Grand Canyon), 2013(10) (May 15): 5.   |
| 2013 | 19.4050 | Restoring native plants at the Colorado River. <i>Canyon Views</i> (Grand Canyon Association), 20(3) (Summer): 10.   |
| 2013 | 19.5478 | Wildfire at the Canyon: Visiting our past to build our future. <i>Arrowhead</i> (U.S. National Park Service, Employees and Alumni Association), 20(3) (Summer): 2, 10.   |
| 2013 | 19.4403 | Endangered humpback chub spawning successes. <i>Pinyon Press</i> (Xanterra South Rim, L.L.C., Grand Canyon), 2013(12) (June 12): 9.  |
| 2013 | 19.4974 | Garden scientist maps future of rare southwestern cactus. <i>Keep Growing</i> (Chicago Botanic Garden), (Fall): 32-34. [Shannon Still studies projected habitat migration of the Siler pincushion cactus ( <i>Pediocactus sileri</i> ) on the Arizona Strip.]  |
| 2013 | 19.4159 | Wildlife Census Program update. <i>Grand Canyon River Runner</i> , (16) (Winter): 15.  |
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| 2014 | 19.4230 | Grand Canyon bird watch. <i>Canyon Views</i> (Grand Canyon Association), 21(1) (Winter): 4-5.   |
| 2014 | 19.4231 | Condor chick #719. <i>Canyon Views</i> (Grand Canyon Association), 21(1) (Winter): 7-8.   |
| 2014 | 19.4741 | Grand Canyon struggles to repel invading beefalo. <i>In: Upfront</i> [SECTION]. <i>New Scientist</i> , 222(2965) (April 19): 6. [Bison.]  |
| 2014 | 19.4410 | Public can provide input on Grand Canyon bison management. <i>In: Western Wildlife</i> [SECTION]. <i>Western Outdoor times/Arizona Boating and Watersports</i> , (May/June): 10.  |
| 2014 | 19.4426 | Razorback suckers released in Grand Canyon. <i>Boatman's Quarterly Review</i> , 27(2) (Summer): 8.  |
| 2014 | 19.6480 | Two bats tested positive for rabies in Grand Canyon National Park. <i>Southern Utah News</i> (Kanab), 82(49) (July 24): 13. [Tusayan Museum and North Kaibab Trail.]  |
| 2014 | 19.5188 | Two of three wild-hatched condors have fledged, joining the wild flock in Arizona and Utah; 16 December 2014—The Peregrine Fund. <i>In: News and Comments</i> [SECTION]. <i>Vulture News</i> (Vulture Study Group, Johannesburg), (67) (November): 60-61. |

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

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| 2014  | 19.4630 | Mit olvashatunk a Debreceni Pozsgástár 4. számában? <i>Hírlevél</i> (Magyar Kaktusz és Pozsgás Társaság Közhasznú Egyesület, Internetes Újságja), (63) (December): [unpaginated]. [Includes Grand Canyon and House Rock Valley.] [Hungarian Cacti and Succulents Society, Internet Newsletter.] [In Hungarian.] [Also a summary of article by Oldřich Fencľ in the December 2014 issue of <i>Debreceni Pozsgástár</i> (ITEM NO. 19.4629).]  |
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| 2015  | 19.6985 | “Beefalo”; O híbrido de vaca e bisão que ameaça o Grand Canyon. <i>In</i> : Curiosidades [SECTION]. <i>Horizonte 25</i> (Diário Eletrónico de Informação Geral, Maputo, Mozambique), 5(983) (March 4): 14. [In Portuguese.]   |
| 2015  | 19.4648 | Keep wildlife wild. <i>Canyon Views</i> (Grand Canyon Association), 22(1) (Spring): 8-9.  |
| 2015  | 19.4801 | <i>Lees Ferry recreational trout fishery management recommendations: The voice of Lees Ferry recreational anglers, guides, and businesses. August 2015.</i> [No imprint], 13 pp. [Back cover includes the imprints of Trout Unlimited, International Federation of Fly Fishers, Wildlife for Tomorrow, and Theodore Roosevelt Conservation Partnership. “Funding for this report made possible by a grant from Wildlife for Tomorrow”, “All photos from Lees Ferry Anglers unless otherwise noted.”]  |
| 2015  | 19.4948 | Arizona 2015; buffalo. Fall buffalo application alert. <i>Huntin’ Fool</i> (Cedar City, Utah), 20(9) (September): 52. [House Rock Valley, buffalo hunting permits.]   |
| 2015  | 19.4799 | Notes from the field; dispatches from Grand Canyon Trust staff on the front lines of conservation across the Colorado Plateau. <i>Colorado Plateau Advocate</i> , (Fall/Winter): 26-28. [Of pertinence to this bibliography: see “North Rim Ranches” (p. 28), regarding the modeling of wildlife habitat use through “camera trapping”, modification of natural vegetation to stop invasive cheatgrass, and other studies. Regarding “camera trapping” see daylight photo, p. 27, from J. Holm and B. Dickson, “A wildlife camera trap snapped this photo of a mountain lion on the Kaibab Plateau (North Rim Ranches).”] [Kane Ranch, Two Mile Ranch.] |
| 2015  | 19.4822 | <i>YOUR</i> impact at Grand Canyon. Thanks to you, GCA and Grand Canyon National Park are . . . Restoring native plants throughout the park. <i>Canyon Views</i> (Grand Canyon Association), 22(4) (November): 3.   |
| 2015  | 19.4823 | Go green! Breaking ground for a new greenhouse. <i>Canyon Views</i> (Grand Canyon Association), 22(4) (November): 4. [Greenhouse for seedlings to be used in native plants revegetation efforts at Grand Canyon.]   |
| 2015  | 19.4714 | Back from the brink. <i>Grand Canyon Journal</i> , 2015: 26. [California condors.]  |
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| 2016  | 19.6293 | Cattalo and cowardice at Grand Canyon. <i>PEERreview</i> (Public Employees for Environmental Responsibility, Silver Spring, Maryland), (Spring): 5. [Buffalo herd on North Rim.]  |
| 2016  | 19.4968 | North Rim lands. <i>In</i> : Notes From the Field [SECTION]. <i>Colorado Plateau Advocate</i> , (Spring/Summer): 34. [Restoration of springs ecosystems.]   |

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

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| 2016 | 19.5798 | Your impact at Grand Canyon; an endangered species recovers. <i>Canyon Views</i> (Grand Canyon Association), 23(4) (December): 10-11. [Sentry milk-vetch, <i>Astragalus cremnophylax</i> var. <i>cremnophylax</i> .] |
| 2016 | 19.5263 | The wild Grand Canyon. <i>National Park Journal</i> (Grand Canyon Edition) (National Park Trips Media, Boulder, Colorado), 2016: 48. [Side banner indicates in error: "Regional Spotlight; New Mexico".]             |
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| 2017 | 19.5330 | January meetings; Birds of the Grand Canyon. <i>BlackHawk Watch</i> (Northern Arizona Audubon Society), 46(3) (January/February): 1. [Announcement of lectures by Larry Stevens, at meetings in Sedona and Flagstaff.]  |
| 2017 | 19.6602 | Krótkie spojrzenie na ... Mrozoodporne Ferokaktusy, czyli kolejne pytania. <i>Kaktusy i Inne</i> (Czasopismo polskich miłośników kaktusów i sukulentów) / <i>Cacti and Others</i> (Journal of Polish cactus and succulent fanciers) (Polskie Towarzystwo Miłośników Kaktusów, Oddział Wrocławski, Wrocław), 10(2): 42. [Illustrated with photos of <i>Ferocactus cylindraceus</i> var. <i>eastwoodiae</i> in Havasu Canyon (with a young bighorn) and <i>F. cylindraceus</i> var. <i>lecontei</i> in Grand Canyon.] [Ellipsis is part of item title, thus.] [In Polish, with bilingual serial and subtitles.] |
| 2017 | 19.5799 | Creatures in the night; your willingness to combat light pollution is good news for canyon animals who need the dark to thrive. <i>Canyon Views</i> (Grand Canyon Association), 24(1) (April): 6-7. ("Adapted with permission from the International Dark-Sky Association".)  |
| 2017 | 19.5761 | Day on the Land: Condor conservation, March 25th. <i>In</i> : From the Calendar: Spring 2017 Events [SECTION]. <i>Ground Truth</i> (Diablo Trust, Flagstaff, Arizona), (Spring/Summer): 12-13. [Report on the Day on the Land outing to the Marble Canyon area.]  |
| 2017 | 19.5804 | Black and white and hidden from sight. <i>Canyon Views</i> (Grand Canyon Association), 24(2) (July): 6-7. [Hog-nosed skunks in the Colorado River corridor. Regarding the research by Brandon Holton.]  |
| 2017 | 19.5813 | Grand Canyon bison to be culled. <i>Forest News</i> (Forest Service Employees for Environmental Ethics), (Fall): 7.   |
| 2017 | 19.5619 | North Rim Ranches; pronghorn, this way. <i>From</i> : Notes from the Field [SECTION]. <i>In</i> : Grand Canyon Issue. <i>Colorado Plateau Advocate</i> , (Fall/Winter): 28. [Rebuilding livestock fences to allow passage of pronghorn.] [Kane Ranch, Two Mile Ranch.]  |
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| 2018 | 19.5763 | Now is a good time to plan for your Lees Ferry trip; excerpts from Lees Ferry fishing report. <i>Western Outdoor Times</i> , 13(7) (February): 10.   |
| 2018 | 19.5806 | Keeping the "wild" in wildlife; park biologists strive to keep a healthy separation between humans and canyon animals. <i>Canyon Views</i> (Grand Canyon Association), 25(1) (Spring): cover, 3-5. |
| 2018 | 19.5821 | North Rim Ranches; gardening for science. <i>In</i> : Postcards from the Field [SECTION]. <i>Colorado Plateau Advocate</i> , (Spring/Summer): 29. [Kane Ranch, Two Mile Ranch.]                    |

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Anonymous (continued)**

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| 2018 | 19.5881 | Champions of nature. <i>Bloom Magazine</i> (Bloomington, Indiana), (April/May): 109. [See "Vicky Meretsky", briefly noting her work (in Grand Canyon) on the California condor, humpback chub, and Kanab ambersnail.]  |
| 2018 | 19.5875 | U.S. Fish and Wildlife Service proposes reclassification of humpback chub. <i>Western Outdoor Times</i> , 13(9) (May): 15.   |
| 2018 | 19.6416 | The CC&SS pilgrimage to Arizona: Plants in habitat, history, scenery and a bit of geology; scenes from day 1. <i>Succulent Morsels</i> (Chinle Cactus and Succulent Society, Grand Junction, Colorado), 10(6) (June): 2-4. [Cactus prospecting in the Marble Canyon area.] [See also Mallory (2018, <a href="#">ITEM NO. 19.6417</a> ).] |
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| 2019 | 19.6531 | Someone to know..... Bill Kluwin. <i>Friends of Northern Arizona Forests, Newsletter</i> (Flagstaff, Arizona), (September): 9-10. [See p. 10, remarks on environmental volunteer work at Grand Canyon.] [Ellipsis is part of title, thus.]   |
| 2019 | 19.6309 | How you're bringing a species back from the brink. Hikers braving trails near some Colorado River tributaries might get a rare treat—a glimpse of the humpback chub. <i>Canyon Views</i> (Grand Canyon Conservancy), 26(3) (Fall): 3-4.  |
| 2019 | 19.6229 | Zebra and quagga mussels are invasive species that can be destructive to an ecosystem due to competition for resources with native species. <i>In: The Lake Powell USA visitors guide : Page/Lake Powell and Grand Circle guide to recreation</i> . Page, Arizona: Lake Powell Communications, p. 45. [Focus is on Lake Powell but notes Lees Ferry and Colorado River below Glen Canyon Dam.] [Page 44 is a display notice, "Don't Move a Mussel!"] |
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| 2020 | 19.6508 | Fifty-seven bison successfully relocated from the North Rim. <i>Western Outdoor Times</i> , 15(10) (October): 17.            |
| 2020 | 19.6580 | Agreement announced for bison reduction at Grand Canyon National Park. <i>Western Outdoor Times</i> , 15(11) (November): 18. |
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| 2021 | 19.6628 | 2021 Lee's Ferry club outing: (tentative [ <i>sic</i> ] pending pandemic orders). <i>On the Fly</i> (Fly Fishers Club of Orange County, California), (February): 10-12.  |
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PART 25. GENERAL AND SPECIALIZED MAPS OF THE GRAND CANYON AND LOWER COLORADO RIVER REGIONS

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**Argonne National Laboratory, Environmental Science Division**

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**Arizona Condor Review Team**

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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- 1996 19.2080 *Ecology of Grand Canyon backwaters. Final report prepared for the U.S. Bureau of Reclamation, Upper Colorado Region, Glen Canyon Environmental Studies, Flagstaff, Arizona.* Phoenix: Arizona Game and Fish Department, cooperative agreement no. 9-FC-40-07940.
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- 1998 19.2244 *Biological Evaluation: Establishment of new populations of Kanab ambersnail in Grand Canyon (Coconino County, Arizona).* [Phoenix]: Arizona Game and Fish Department, for Grand Canyon National Park, 25 pp.
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- 2003 19.2461 *Arizona's native fish heritage.* Phoenix: Arizona Game and Fish Department, 36 pp.
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- 2006 19.4592 *Arizona's comprehensive wildlife conservation strategy: 2005-2015.* Phoenix: Arizona Game and Fish Department, 820 pp.
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- 2011 19.4015 (WITH Arizona, Coconino County; and Arizona Wildlife Linkages Workgroup) *The Coconino County Wildlife Connectivity Assessment: Report on stakeholder input.* [No place]: Arizona Game and Fish Department, 52 pp.
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**Arizona Game and Fish Department, Research Branch**

2019 19.6443 *Research Branch annual update : Spring 2019 : (for work completed during 2018).* [No place]: Arizona Game and Fish Department, 48 pp. [See "Managing for the Blue Ribbon Rainbow Trout Fishery at Lees Ferry" (pp. 12-13), "Long-Term Fish Monitoring in the Grand Canyon" (pp. 14-15), "Investigations into Razorback and Flannelmouth Sucker Hybridization" (pp. 16-17) (Grand Canyon), "Habitat Use and Movements of Mule Deer on the Kaibab Plateau" (pp. 26-27).]

**Arizona Office of Economic Planning and Development, Planning Division**

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**Arizona Rare Plant Committee**

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**Arizona State University, ASU Art Museum**

2014 19.6984 *AMuseum educational resource : Trout Fishing in America and Other Stories : Bryndis Snæbjörnsdóttir/Mark Wilson, Arizona State University Art Museum, October 4, 2014-January 17, 2015.* (Co-curated by Ron Broglio and Heather Sealy Lineberry.) [No place]: Arizona State University Art Museum, [unpaginated]. [Photographic-exhibit guide and educational resource.] ["Over a two-year period, artists Bryndia Snæbjörnsdóttir (Iceland) and Mark Wilson (UK) have explored the networks and ripple effects of scientific conservation initiatives in Arizona. [. . .] Taking a kind of vertical slice of the Grand Canyon, they have focused on the reintroduction of two endangered species to the environment—the Humpback Chub, native to the Colorado



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

River, and the California Condor, whose zones of flight extend from the Canyon to the Vermilion Cliffs and into Utah. This exhibition examines how ecologies can change radically as a result of tiny individual initiatives by human or other agents.”

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**Armstrong, Margaret**

1915 19.182 (IN COLLABORATION WITH J. J. Thornber) *Field book of western wild flowers*. New York and London: C. P. Putnam’s Sons [*sic*, G. P. Putnam’s Sons] (The Knickerbocker Press), 596 pp., 48 colored plates. [Grand Canyon throughout.]  
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**Arnett, Ross H., Jr.**

1951 19.2081 A revision of the Nearctic Oedemeridae (Coleoptera). *American Midland Naturalist*, 45(2) (March): 257-391.

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**Arnold, Frank A.**

1909 19.3211 Collecting crooked sticks. *Countryside Magazine*, (August):. [Naturally formed sticks forming the letters of the alphabet and numerals: “`J’ was cut from a scrubby tree about fifty feet from the edge of the Grand Cañon of the Colorado, in Arizona.” (ENTIRE NOTE)]

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Arnold, John R.**

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- 1941 19.184 Western grasshopper sparrow at Grand Canyon, Arizona. *The Condor*, 43: 292-293. [Dead specimen found near Kolb Studio.]  
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**Arnott, Ruth**

- 1978 19.3259 [Letter.] *From*: Bullets for Burros? *In*: Letters [SECTION]. *Backpacker*, 6(6) (December 1978/January 1979) (30): 9. [In response to the article by Lionel A. Atwill, "Up to Our Ears in Asses", 6(4) (28), ITEM NO. 19.2455.]

**Arnoud, Olivier**

- 2015 19.5206 Galerie photos. *Succulentopi@* [Succulentopia] (Cactuspro, Saint-Beauzire, France), (15) (November): 24-27. [See p. 25, "*Sclerocactus sileri* USA, Arizona, Vermilion Cliffs—1800/1900m Alt.—Photo Verhoef Cor" (photo with legend only).] [In French.]

**Arroyo, Bryan**

- 2000 19.2326 Endangered and Threatened Species permit applications. *Federal Register*, 65(91) (May 10): 30126-30127. [Kanab ambersnail.]
- 2005 19.3292 Re-opening of the comment period for the Draft Recovery Plan for the sentry milk-vetch. *Federal Register*, 70(6) (January 10): 1736-1737.

**Ashton, Kyle G., AND Queiroz, Alan de**

- 2001 19.3683 Molecular systematics of the western rattlesnake, *Crotalus viridis* (Viperidae), with comments on the utility of the D-loop in phylogenetic studies of snakes. *Molecular Phylogenetics and Evolution*, 21(2) (November): 176-189. [*Crotalus viridis abyssus*, the Grand Canyon rattlesnake, systematically reassigned as *C. oregonus abyssus*.]

**Aslan, Clare E.**

- 2019 19.6267 Science at the nexus of diversity and history: research on the North Rim Ranches [ABSTRACT]. *In*: 15th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region : theme: "Science and Solutions for Conserving the Southwest's Land, Water, Biodiversity and Cultures" : September 9-12, 2019, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona, p. 5. [Kane Ranch and Two Mile Ranch.]
- 2022 19.6822 Investigating limitations to pollination in rare and endangered cacti: case studies of *Pediocactus* and *Coryphantha* [ABSTRACT]. *In*: 16th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 12-15, 2022,

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

*High Country Conference Center, Northern Arizona University, Flagstaff, Arizona, p. 6.*  
[Includes *Pediocactus peeblesianus* var. *fickeiseniae* in northern Arizona.]

**Aslan, Clare E.; Zachmann, Luke; McClure, Meredith; Sikes, Benjamin A.; Veloz, Samuel; Brunson, Mark W.; Epanchin-Niell, Rebecca S.; AND Dickson, Brett G.**

- 2021 19.6572 Quantifying ecological variation across jurisdictional boundaries in a management mosaic landscape. *Landscape Ecology*, doi:10.1007/s10980-021-01198-7. [Grand Canyon Protected Area-Centered Ecosystem.]

**Astiz, Valentina, AND Hernández, L. F.**

- 2011 19.5621 Cuantificación del polen intrainflorescencia en híbridos, líneas endocriadas y variedades de polinización cruzada de girasol (*Helianthus annuus* L.) [ABSTRACT]. *In: Segunda Jornada de Intercambio de Producción Científico-Tecnológica : II JIPCiTe : 30 de Noviembre de 2011, Bahía Blanca, Provincia de Buenos Aires : libro de resúmenes.* Bahía Blanca, Buenos Aires, Argentina: Universidad Nacional del Sur, Consejo Nacional de Investigaciones, Científicas y Técnicas, Centro de Recursos Naturales Renovables de la Zona Semiárida, pp. 10-11. (Volume also with imprints of Comisión de Educación, Relaciones Institucionales y Comunicación, and Secretaría de Extensión, Departamento de Agronomía.) [Includes Havasupai variety.] [In Spanish.]
- 2014 19.5622 Pollen production pattern in the capitulum of the cultivated sunflower (*Helianthus annuus* L.). Patrón de producción polínica en el capítulo del girasol cultivado (*Helianthus annuus* L.). *Phyton [Phyton]* (Revista Internacional de Botánica Experimental) (Fundación Romulo Raggio, Vicente López, Buenos Aires, Argentina), 83: 27-36. [Includes Havasupai variety.] [In English, with bilingual title and abstract.]

**Atkins, Riley J.; Barkworth, Mary E.; AND Dewey, Douglas R.**

- 1984 19.2082 A taxonomic study of *Leymus ambiguus* and *L. salinus* (Poaceae: Triticeae). *Systematic Botany*, 9(3) (July/September): 279-294.

**Atkinson, George Francis**

- 1908 19.3230 *A college text-book of botany : being an enlargement of the author's "Elementary Botany"*. New York: Henry Holt and Co., 2nd ed., revised, 737+ pp. [See under the description of C. Hart Merriam's scheme of life zones, p. 641 and following, passing notice of Grand Canyon, p. 645.]

**Atkinson, T. Prescott**

- 1975 19.6543 Soil microorganisms of the Grand Canyon. *Bios* (Beta Beta Beta Biological Society), 46(3) (October): 127-133. [Protozoa, bacteria, actinomycetes, fungi, algae, flagellates, naked amoebae, ciliates, testacea. "Collections were made, 19-28 May 1973, during a raft journey of the Colorado River between Lee's Ferry and Lake Meade" (*sic*).]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Atwill, Lionel A.**

- 1978 19.2455 Up to our ears in asses. *Backpacker*, 6(4) (August) (28): 26-31, 64, 66, 68, 70, 72, 75-76. [See also letters from Charles A. Endicott, Tom Johnson, Kenneth L. Cole, Kerry Beth Herndon, Ruth Arnott, Scott Thybony, Warren Hamilton, 6(6) (December 1978/January 1979): 9-10; and from James Brennan, Michael T. Chychota, James L. Hanna, Anna S. Ellison, Bill Burns, 7(2) (April/May 1979): 12, 15, 17.]
- 1982 19.185 Deep-ditch fishing. *Sports Afield*, 187 (May): 110, 112, 168.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-32|

**Atwood, N. Duane [Atwood, Duane]**

- 2007 19.6564 Six new species of *Phacelia* (Hydrophyllaceae) from Arizona and New Mexico. *Novon*, 17(4): 403-416. [See *Phacelia furnisii*, new species (pp. 408-410), holotype and isotypes from "Mohave Co., Arizona Strip, Grand Canyon-Parashant National Monument, Andrus Canyon at rd. crossing, T32N, R10W, S6 & 7", and numerous paratypes from various locales on the Arizona Strip; *Phacelia higginsii*, new species (pp. 410-412), holotype and isotypes from "Mohave Co., Arizona Strip, 12.5 mi. SW from head of Trail Canyon toward Andrus Canyon, 36°11.48'N, 113°19.10'W", and paratypes from Grand Canyon-Parashant National Monument and other locales; *Phacelia hughesii*, new species (pp. 412-414), holotype and isotypes from "Mohave Co., Arizona Strip, T34N, R11W, S8, E of Salt Spring S base of Poverty Mtn.", and numerous paratypes from various locales on the Arizona Strip.]
- 2012 19.5094 Flora of the Arizona Strip [ABSTRACT]. *In*: Abstracts of Presentations and Posters not Submitted for the Proceedings. *Calochortiana* (Utah Native Plant Society), (1) (December): 4.

**Atwood, N. Duane, AND Welsh, Stanley L.**

- 2013 19.5128 New plant taxa from Colorado, New Mexico, and Arizona. *Western North American Naturalist*, 73(1): 113-115. [See p. 115, *Xylorhiza tortifolia* (Torrey & Gray) Greene var. *parashantensis* N.D. Atwood & S.L. Welsh, new species, types from Grand Canyon-Parashant National Monument.]

**Auble, Gregor T.; Friedman, Jonathan M.; Shafroth, Patrick B., Merigliano, Michael F.; AND Scott, Michael L.**

- 2012 19.3702 Woody riparian vegetation near selected streamgages in the western United States. *U.S. Geological Survey, Data Series 708*, 8 pp.

**Audretsch, Bob [Audretsch, Robert W.]**

- 1998 19.186 The search. *Nature Notes* (Grand Canyon National Park), 14(1) (Summer): 6-7. [Aspens on South Rim.]
- 2001 19.2083 The search. *Grand Canyon Footprints*, 1(3) (Fall): [2]. [Aspens on South Rim.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Augé, Karen Brebner**

- 1991 19.187 Wanted: Trees big as all outdoors. (Photographs by Jerry Sieve.) *Arizona Highways*, 67(9) (September): cover, 18-27.  
 ☰ CROSS-LISTINGS | CITED» GCNHA Monograph 8: page 4-32|
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**Augustson, G. F.**

- 1943 19.4333 A new subspecies of *Orchopeas sexdentatus* (Baker) (Siphonaptera: Dolichopsyllidae). *Southern California Academy of Sciences, Bulletin*, 42(1): 49-51, Plate 5 (p. 51). [*Orchopeas sexdentatus neotomae*; from "South Entrance, Grand Canyon National Park". Type host *Neotoma lepida devia* Goldman.]
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**Augustyn, Leszek; Bartel, Ryszard; AND Epler, Piotr**

- 2006 19.6056 Effects of catastrophic floods on post-stocking survival of reared fry of the brown trout (*Salmo trutta* m. *fario* L.). Wpływ katastrofalnych powodzi na pozarybieniową przeżywalność podchowanego narybku pstrąga potokowego (*Salmo trutta* m. *fario* L.). *Acta Scientiarum Polonorum: Piscaria* (Poznań), 5(1): 3-16. [See p. 13, brief remarks on artificial flood in Grand Canyon.] [In English, with title and abstract also in Polish.]
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**Aumack, Ethan N.**

- 2005 19.2579 Conducting a rapid landscape-scale ecological assessment of the Kane and Two Mile Ranches in northern Arizona [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. 28. [Kane Ranch, Two Mile Ranch.]
- 2006 19.2612 Plateau journey reveals vast array of plants and animals. *Colorado Plateau Advocate*, (Winter) [February]: 16-17.
- 2007 19.2672 Trial by fire. *Colorado Plateau Advocate*, (Summer/Fall): 12-13.
- 2008 19.2747 The essence of a mountain: Landscape conservation across the Kaibab Plateau. *Colorado Plateau Advocate*, (Summer/Fall): 18-19, 29.
- 2009 19.2836 Reclaiming lost ground in northern Arizona forests and rangelands. *Colorado Plateau Advocate*, (Winter/Spring 2009): 6-7.
- 2009 19.3000 Building consensus for landscape-scale restoration in northern Arizona's forests. *Colorado Plateau Advocate*, (Summer/Fall): 10-11.
- 2010 19.3031 The insurmountable opportunity of landscape-scale forest restoration in northern Arizona. *Colorado Plateau Advocate*, (Winter/Spring): 16-17, 23.
- 2010 19.3213 Arizona forest restoration retrospective, 1996-2010. *Colorado Plateau Advocate*, (Summer): 10-11.
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Baker, Susan E.**

- 1994 19.209 Notice of availability of draft modifications to the Recovery Action Plan for the Recovery Implementation Program for the endangered fish species in the Upper Colorado River Basin. *Federal Register*, 59(117) (June 20): 31620-31621.
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**Baker, William L.**

- 2006 19.4481 Fire history in ponderosa pine landscapes in Grand Canyon National Park: Is it reliable enough for management and restoration? *International Journal of Wildland Fire*, 15(3): 433-437. [For reply, see Fulé *et al.* in same issue (ITEM NO. 19.4482).]
- 2017 19.5479 Restoring and managing low-severity fire in dry-forest landscapes of the western USA. *PLoS One*, 12(2): e0172288, 28 pp. [Calibration cases include Kaibab Plateau sites (on map but not itemized in text).]
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**Bakker, Jonathan D., AND Moore, Margaret M.**

- 2007 19.3120 Controls on vegetation structure in southwestern ponderosa pine forests, 1941 and 2004. *Ecology*, 88(9) (September): 2305-2319.
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**Baldwin, Elizabeth A., AND Stevens, Lawrence E.**

- 1997 19.210 The day of the condor. *Boatman's Quarterly Review*, 10(1): 3. [Issue "Winter 1996-1997" mailed February 1997.]
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**Balčiauskas, Linas**

- 2014 19.6195 Kaibabo elnių istorija; arba, kas įvyksta, kai žolėdžių populiacija lieka be kontrolės. *Mūsų Girios* ([Lithuania], Miškų ūkio ministerija, Vilnius), 2014(2): 38-39. [Kaibab deer.] [In Lithuanian.]
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**Ball, Carleton R.**

- 1921 19.2085 Undescribed willows of the section Cordatae. *Botanical Gazette*, 71(6) (June): 426-437. [See *Salix lutea ligulifolia*, new variety, pp. 428-430, including record from Indian Garden, Grand Canyon.]
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**Ball, E. D.**

- 1933 19.6063 The genus *Myndus* Stal in North America (Homoptera Fulgoridae). *Washington Academy of Sciences, Journal* (Washington, D.C.), 23(10) (October 15): 478-484. [*Myndus* Stål.] [See p. 482, *Myndus yuccandus*, new species, from a yucca at "Grand Canyon Bridge, Ariz." (Navajo Bridge).] [NOTE: Kramer (1979, ITEM NO. 19.6062) examined the type material from "Grand Canyon, Arizona", noting that "The information published with the original description is slightly different from that on the labels of the holotype; this is probably due to a lapsus by Ball. The previously published locality was given as 'Grand Canyon Bridge' and the date of collection '30



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

August 1930'. One paratype male with same data. Both are in the collection of the USNM." It is feasible that Ball's published information is correct. Not resolved here.]

- 1935 19.4452 Some new Issidae, with notes on others—(Homoptera–Fulgoridae). *Brooklyn Entomological Society, Bulletin*, 30(2) (April): 37-41. [See p. 38, "*Hysteropterum cornutum* var. *utahnum* Ball n. var. [new variety]", from "near the Grand Canyon" (likely North Rim).]
- 1937 19.6118 Some new Fulgoridae from the western United States. *Brooklyn Entomological Society, Bulletin*, 32(5) (December): 171-183. [See *Yucanda miniata*, new species (p. 175); holotype, allotype, and four paratypes "from a small shrub that looks like a dwarf mesquite, at the Grand Canyon Bridge, Arizona". See also *Arida nodosa*, new species (pp. 176-177; types from Tucson Mountains but distribution noted "from Yuma to Tucson and north to the Grand Canyon Bridge".] [Navajo Bridge.]

**Ball, E. D., AND Beamer, R. H.**

- 1939 19.5233 A revision of the genus *Athysanella* and some related genera (Homoptera-Cicadellidae). *University of Kansas, Science Bulletin*, 26(1) (October 1): 5-82 (including Plates 1-12). [See: *Athysanella fredonia*, new species (pp. 12-13), holotype from Fredonia, Arizona; paratypes from localities including "Grand Canyon, Ariz." *Athysanella globosa*, new species (pp. 18-19), holotype from "Grand Canyon, Ariz." *Athysanella (Gladionura) casa*, new species (p. 48), paratypes from localities including "Grand Canyon, Ariz." Refer also to Plates 1, 2, 7, 9, 11.]

**Ball, E. D.; Tinkham, E. R.; Flock, Robert; AND Vorhies, C. T.**

- 1942 19.211 The grasshoppers and other Orthoptera of Arizona. *University of Arizona, College of Agriculture, Agricultural Experiment Station, Technical Bulletin* 93, pp. 257-373.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-11|

**Ball, George; Kunzmann, Michael R.; AND Bennett, Peter S.**

- 1992 19.4104 Dynamic fire modeling using GRASS 4.0; developed by NPS and University of Arizona. *Park Science* (U.S. National Park Service), 12(2) (Spring): 16-17. [Includes work with database-derived fire data and statistics from Point Sublime, Grand Canyon.]

**Ballotti, John**

- 2012 19.3652 When fishing really is catching. *Chum Line* (Los Angeles Rod and Reel Club), (June): 3. [Lees Ferry.]

**Bamberg, J.; Rio, A. del; Huaman, Z.; Vega, S.; Martin, M.; Salas, A.; Pavek, J.; Kiru, S.; Fernandez, C.; AND Spooner, D.**

- 2003 19.4518 A decade of collecting and research on wild potatoes of the Southwest USA. *American Journal of Potato Research*, 80: 159-172. [Sites visited, with germplasm sampling, include near Grand Canyon.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Bamforth, Stuart S.**

- 2004 19.2507 Water film fauna of micromiotic crusts of a warm desert. *Journal of Arid Environments*, 56(3) (February): 413-423. [Abstract: "Twenty-eight microbiotic crusts containing cyanobacteria, lichens and bryophytes, collected from desert soils of the Grand Canyon in northern Arizona, between Lees Ferry and Whitmore Wash in May 2000, were examined for water film fauna. Fifty-one species of ciliates, 28 of amoebae, 17 of testacea, four metazoan taxa, and a number of flagellate morphotypes were found. In the non-flagellated protozoan groups, r-selected bacterivores, responding rapidly to wetting, quickly exploiting resources, and possessing efficient encysting abilities, predominated. The few nematodes were principally stylet-bearing tylenchids, feeding on fungal hyphae and moss rhizoids."]
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**Bancroft, C. D., AND Sylvester, K.**

- 1978 19.212 The Colorado River Glen Canyon tailwater fishery. *In: Arizona Game and Fish Department, Region II, Annual Report.*  
 ≡ CROSS-LISTINGS [CITED» GCNHA Monograph 8: page 4-32]
- 

**Bancroft, John M.**

- 1989 19.4491 Faithful and predicatable. *High Country News*, 21(12) (June 19): 6. [Wolves. Includes note of the extirpated intermountain wolf of the Kaibab Plateau.]
- 

**Banerjee, M., AND Sharma, D.**

- 2004 19.6979 Regulation of phosphatase activity in Chroococciopsis isolates from two diverse habitats: effect of light, pH and temperature. *Applied Ecology and Environmental Research* (Budapest), 2(1): 71-82. [Notes (precisely): "Axenic cultures of the endolithic cyanobacterium Chroococciopsis the only phototroph present in the rocks of both Antarctic (from Barwick boulder) and Arizona, USA were isolated from the rocks (Courtesy Late Dr. D.D. Wynn Williams and Charles Cockles of British Antarctic Survey and Dr .Bukhard Büdel, Universitat Kaiserlautern, Germany) in the laboratory of Algal Biotechnology, Bioscience Department ,Barkatullah University Bhopal by standard microbiological techniques. The Antarctic sample came from Beacon sandstone boulder in the Linneaus Terrace (McMurdo Dry valley) on the NNE flank of the Apocalypse peak. The hot desert sample came from a sandstone endolith from Arizona Coconino, 20 Km from the Grand Canyon National Park USA."]
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**Banke, Søren; Frisvad, Jens C.; AND Rosendahl, Søren**

- 1997 19.2139 Taxonomy of *Penicillium chrysogenum* and related xerophilic species, based on isozyme analysis. *Mycological Research*, 101: 617-624.
- 

**Banks, Jacqueline C.**

- 2009 19.2924 Kaibab National Forest celebrates special squirrel. *Canyon Views* (Grand Canyon Association), 15(1) (Spring): 10.
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Banks, Leo**

- 2004 19.2468 Grand Canyon deer drive. (Illustration by Joseph Daniel Fiedler.) *Arizona Highways*, 80(7) (July): 14-17.
- 

**Banks, Nathan**

- 1902 19.3659 A list of spiders collected in Arizona by Messrs. Schwarz and Barber during the summer of 1901. *U.S. National Museum, Proceedings*, 25: 211-221, Plate 7. [Reports various species from "Bright Angel" and "Colorado Cañon". None of the new species described are from Grand Canyon. A large number of specimens in this paper are from Williams, Arizona.]
- 1903 19.3600 A revision of the Nearctic Chrysopidae. *American Entomological Society, Transactions*, 29(2): 137-162. [See *Chrysopa chlorophana* Burm., pp. 147-148; including Grand Canyon.]
- 1906 19.3596 A revision of the Nearctic Hemerobiidae. *American Entomological Society, Transactions*, 32(1): 21-51, Plates 3-5. [See *Hemerobius moestus* Banks, pp. 31-32, and *H. pacificus* Banks, p. 33; both including Grand Canyon.]
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**Banta, Benjamin H.**

- 1965 19.2319 A distributional checklist of the Recent amphibians inhabiting the State of Nevada. *Biological Society of Nevada, Occasional Papers*, (7), 4 pp.
- 

**Baral, Hans-Otto; Weber, Evi; AND Marson, Guy**

- 2020 19.6519 *Monograph of Orbiliomycetes (Ascomycota) based on vital taxonomy*. Luxembourg: National Museum of Natural History Luxembourg, Parts I and II, pp. 1-952, 953-1752. [This is a profusely documented and illustrated publication, chiefly comprising the descriptions of new species (date of publication 30 October 2020). This citation lists those taxa that are typified or for which descriptions are based on collections from the Grand Canyon region; numerous other localities are omitted in this summary citation. Only page numbers are given; pertinent enumerated plates of illustrations are embedded on those same pages. Locality data are given here only in condensed format, documenting just the geographic locale, although each published description includes collection information such as altitude, host material, collector, date of collection, and repository and catalog number of the material. Some descriptions also note material that is "not included"; these specimens "deviate from the established taxa only in some minor points . . . [though] mentioned under that taxon which appears to be most closely related, but they are not included in a description, nor are they proposed as a separate new species." (p. 17) The "not-included" materials, although taxonomically not precisely identified, are mentioned here because they document collections from the region that this bibliography covers. (Future researchers, of course, may indeed consider some such material to belong to the species under which Baral *et al.* have listed it.) For greater convenience in distinguishing Grand Canyon regional material that is, or is not, directly pertinent to a new species described by the authors, in the information that follows "**new species**" is indicated in **bold** if the regional cited material is systematically identified as that species; but as "new species" (not bold) if it is a new species in Baral *et al.* but for which collections from the region are *only* noted to be "not included" (that is, they are

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

mentioned for their geographic information and not as any taxonomic support for the newly described species, thus resource managers are alerted to the fact that there is material gathered from this geographical region but that it is not necessarily considered by these authors to represent the species under which it is listed). (For an example of these two methods of indication, see nos. [1] and [2] in the lists that follow in this citation. See no. [7] for an example that lists *only* type material from the Grand Canyon region; that is, none of the separately included or not-included materials listed by Baral *et al.* are from the region. See no. [20] for an example that lists, for a single new species, all three kinds of material: type, included, and not-included material, all from the Grand Canyon region.) Lists of included and not-included materials in the publication are often lengthy, with material sometimes from nation- and world-wide localities. Also note that the new taxa are credited to specific authors, not to the authors of the volume as a whole, but only the credited authors are listed in this citation even though the precise format is lengthier; for example, the first-listed species that follows is taxonomically more precise as "*Orbilina purshiae* Baral & G. Marson *in* Baral, Weber, and G. Marson". • Taxa are enumerated here for convenience and to set them off from each other on the printed page (all localities are specifically noted by Baral *et al.* as being in Arizona, although some locality references to "Grand Canyon" are actually neither within the physiographic canyon nor within the national park, but on adjacent national forest and other lands): [1] *Orbilina purshiae* Baral & G. Marson, **new species** (pp. 466-468), holotype from "Grand Canyon, Kaibab Plateau, 28 km ESE of Fredonia, 13 km NNW of Jacob Lake"; included material from "93 km SSE of Fredonia, S of North Rim", "Coconino Plateau, 7.5 km ESE of Grand Canyon Village, close to South Rim". [2] *Orbilina lentiformis* Baral & G. Marson, **new species** (pp. 470-476); not-included material from "Grand Canyon, Kaibab Plateau, 28 km ESE of Fredonia, 13 km NNW of Jacob Lake, Rte. 89". [3] *Orbilina ocellata* Baral, G. Marson & E. Weber, **new species** (pp. 476-481); included material from "Canyonlands, 45 km SW of Page, 26 km SW of Marble Canyon" and "Grand Canyon, Coconino Plateau, 3 km N of Tusayan". [4] *Orbilina cucumispora* Baral & G. Marson, **new species** (pp. 494-497), holotype and isotype from "Grand Canyon, Coconino Plateau, 3 km N of Tusayan"; included material from "Canyonlands, ~35 km WNW of Page, Paria Canyon". [5] *Orbilina magnifica* Baral & G. Marson, **new species** (pp. 509-511, holotype and isotypes from "Grand Canyon, Kaibab Plateau, 37 km SE of Fredonia, S of Jacob Lake"; included material from "3 km N of Kaibab Lodge". [6] *Orbilina phanosoma* Baral & [G.] Marson, **new species** (pp. 514-515); included material from "Grand Canyon, Coconino Plateau, 3 km N of Tusayan" and "3 km S of Tusayan". [7] *Orbilina multiphanosoma* Baral & G. Marson, **new species** (pp. 515-517), holotype from "Grand Canyon, Coconino Plateau, 3 km N of Tusayan". [8] *Orbilina euonymi* Velen. (1934) (pp. 532-538); included material from "Grand Canyon, Kaibab Plateau, 93 km SSE of Fredonia, S of North Rim". [9] *Orbilina arizonensis* Baral & G. Marson, **new species** (pp. 553-556); included material from "Grand Canyon, Kaibab Plateau, 28 km ESE of Fredonia, 13 km NNW of Jacob Lake", "93 km SSE of Fredonia, S of North Rim", and "Coconino Plateau, 7.5 km ESE of Grand Canyon Village". [10] *Orbilina navajoana* Baral & G. Marson, **new species** (pp. 571-573); included material from "Grand Canyon, Coconino Plateau, 3.5 km N of Tusayan" and "3 km N of Tusayan". [11] *Orbilina clavuliformis* Baral & G. Marson, **new species** (pp. 680-686); not-included material from "Grand Canyon, Kaibab Plateau, 28 km ESE of Fredonia, 13 km NNW of Jacob Lake". [12] *Orbilina aristata* (Velen.) Velen. (1947) (pp. 709-719); included material from "Grand Canyon, 3 km N of Kaibab Lodge". [13] *Orbilina spermoides* Baral & G. Marson, **new species** (pp. 734-737), holotype from "Coconino Plateau, 3 km N of Tusayan"; included material from "Grand Canyon, Kaibab Plateau, 28 km ESE of Fredonia, 13 km NNW of Jacob Lake", "Coconino Plateau, 8.5 km NNE of Tusayan, Mather Point" and "3 km N of Tusayan". [14] *Orbilina carpoboloides* (P. & H. Crouan) Baral (1994) (pp. 1025-1040); not-included material from "Grand Canyon, Kaibab Plateau, 37 km SE of Fredonia, S of Jacob Lake". [15]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

*Orbilina ophiosoma* Baral & G. Marson, **new species** (pp. 1050-1052); included material from "Grand Canyon, Coconino Plateau, 3.5 km N of Tusayan" and "3 km S of Tusayan". [16] *Orbilina multihumulata* Baral & G. Marson, **new species** (pp. 1054-1055), holotype and isotype from "Canyonlands, 35 km WNW of Page, Paria Canyon". [17] *Orbilina obtusispora* Baral & E. Weber, new species (pp. 1061-1065); not-included material from "Grand Canyon, Coconino Plateau, 2.3 km NW of Grand Canyon Village, Hopi Point". [18] *Orbilina maeandrina* Baral & G. Marson, **new species** (pp. 1075-1078); included material from "Grand Canyon, Kaibab Plateau, 28 km ESE of Fredonia, 13 km NNW of Jacob Lake", "93 km SSE of Fredonia, S of North Rim", "3 km N of Kaibab Lodge", "Coconino Plateau, 15 km ESE of Grand Canyon Village, Grandview Point", and "8.5 km ESE of Grand Canyon Village, close to South Rim". [19] *Orbilina multimaeandrina* Baral & G. Marson, **new species** (pp. 1078-1082); included material from "Grand Canyon, Kaibab Plateau, 28 km ESE of Fredonia, 13 km NNW of Jacob Lake". [20] *Orbilina flexisoma* Baral & G. Marson, **new species** (pp. 1095-1098), holotype from "Coconino Plateau, 3 km S of Tusayan"; included material from "Grand Canyon, Kaibab Plateau, 93 km SSE of Fredonia, S of North Rim", "Coconino Plateau, 3.5 km N of Tusayan", and "3 km N of Tusayan"; not-included material from "Grand Canyon, Kaibab Plateau, 28 km ESE of Fredonia, 13 km NNW of Jacob Lake" and "Coconino Plateau, 7.5 km ESE of Grand Canyon Village". [21] *Orbilina delphinus* Baral & G. Marson, **new species** (pp. 1105-1110); included material from "Grand Canyon, Kaibab Plateau, 93 km SSE of Fredonia, S of North Rim", "Coconino Plateau, 15 km ESE of Grand Canyon Village, Grandview Point", and "3 km N of Tusayan". [22] *Orbilina macrodelphinus* Baral & G. Marson, **new species** (pp. 1113-1116); included material from "Grand Canyon, Kaibab Plateau, 28 km ESE of Fredonia, 13 km NNW of Jacob Lake" and "Coconino Plateau, 3.5 km N of Tusayan". [23] *Orbilina multitrapezoidea* Baral & G. Marson, **new species** (pp. 1117-1120), holotype from "Grand Canyon, Coconino Plateau, 3 km S of Tusayan". [24] *Orbilina serpentina* Pat. (1892) (pp. 1124-1129); included material from "Grand Canyon, Kaibab Plateau, 28 km ESE of Fredonia, 13 km NNW of Jacob Lake". [25] *Orbilina calyptrata* Baral & G. Marson, **new species** (pp. 1187-1189); included material from "Grand Canyon, Coconino Plateau, 3.5 km N of Tusayan" and "3 km S of Tusayan". [26] *Orbilina commarosa* Baral & G. Marson, new species (pp. 1195-1198); not-included material from "Grand Canyon, Coconino Plateau, 15 km ESE of Grand Canyon Village, Grandview Point". [27] *Orbilina barrowensis* Baral & G. Marson, new species (pp. 1198-1200); not-included material from "Canyonlands, 45 km SW of Page, 26 km SW of Marble Canyon". [28] *Orbilina gambelii* Baral & G. Marson *in* Karasch *et al.* (2005) (pp. 1200-1205); included material from "Grand Canyon, Kaibab Plateau, 93 km SSE of Fredonia, S of North Rim" and "Coconino Plateau, 3 km N of Tusayan". [29] *Orbilina subovoidea* Baral, Matočec & E. Weber, **new species** (pp. 1257-1260); included material from "Grand Canyon, Kaibab Plateau, 93 km SSE of Fredonia, S of North Rim".] [For a few taxa noted from the lower Colorado River region, see Baral *et al.* (2020, ITEM NO. 11.18112).]

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**Barber, H. G. [Barber, Harry Gardner]**

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|------|---------|--|
| 1910 | 19.3572 | Some Mexican Hemiptera-Heteroptera new to the fauna of the United States. <i>New York Entomological Society, Journal</i> , 18(1) (March): 34-39. [See p. 39: " <i>Milyas spinicollis</i> Champ. This was collected by Professor E. B. Wilson, of Columbia University, in the Grand Cañon of the Colorado along Bright Angel Trail." (ENTIRE NOTE)] |
| 1938 | 19.5491 | A new genus and species of the subfamily Triatominae (Reduviidae: Hemiptera). <i>Entomological Society of Washington, Proceedings</i> (Washington, D.C.), 40(4) (April): 104-105. [ <i>Paratriatoma hirsuta</i> , new genus, new species; paratypes from Phanton   |

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

[sic] Ranch, Grand Canyon. (Phantom Ranch is consistently misspelled in this paper.)]

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**Barber, P. H.**

1999 19.3349 Patterns of gene flow and population genetic structure in the canyon treefrog, *Hyla arenicolor* (Cope). *Molecular Ecology*, 8(4) (April): 563-576.

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**Barbieri, Rhonda**

2001 19.2015 Remaining hopeful. *Boatman's Quarterly Review*, 14(1) (Spring): 5. [Tamarisk removal.]

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**Barkalow, Adam Lawrence**

2017 19.5868 *Evaluating the relationship of temperature and growth of a larval Colorado River catostomid, C. latipinnis, through otolith aging and stable isotopes ( $\delta^{18}O$ )*. Master's thesis, University of New Mexico, 73 pp. [*Catostomus latipinnis*.] [Colorado River study area, from near Lava Falls to near Pearce Ferry.]

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**Barker-Fricker, Sonia J.**

1980 19.6433 Inside Grand Canyon. *National Cactus and Succulent Journal* (British Cactus and Succulent Society), 35(4) (December): 91-96. [Observations of cacti by an amateur botanist during a Colorado River trip in Grand Canyon, Lees Ferry to Mile 188 [Whitmore].] [NOTE: Raft shown in Figure 6 (p. 93) in "Hance Rapid" identified as a Western Rivers Expedition J-rig, but the rapid is not Hance (*vide* Richard Quataroli, February 18, 2020).]

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**Barkley, T. M.**

1968 19.6386 Taxonomy of *Senecio multilobatus* and its allies. *Brittonia*, 20(3) (July/September): 267-284. [See *Senecio multilobatus* Torr. & Gray ex Gray (pp. 277-279), which includes in synonymy *S. stygius* Greene, *S. ionophyllus* Greene var. *stygius* (Greene) Jepson, type from "Grand Canyon of the Colorado, May 1884, J. G. Lemmon s.n." See also *Senecio quercetorum* Greene (pp. 279-280), which includes the note, ". . . it has been collected occasionally near the Grand Canon, e.g., Howell 26538, Havasu Canyon, Grand Canyon National Park, (ARIZ, CAS)." (ENTIRE NOTE)]

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**Barkstedt, Judith M.; Barkalow, Adam L.; Platania, Steven; Kegerries, Ron B.; Albrecht, Brandon A.; Healy, Brian D.; Stolberg, James R.; AND McKinstry, Mark C.**

2014 19.4584 Documentation of spawning by razorback sucker, *Xyrauchen texanus*, razorback sucker [sic] in the lower Grand Canyon during 2014 [ABSTRACT]. *Desert Fishes Council, 46th Annual Meeting, November 19-23, San Jose del Cabo, Baja California Sur, Mexico*.

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Barlow, J. C.; James, R. D.; AND Williams, N.**

- 1970 19.213 Habitat co-occupancy among some vireos of the subgenus *Vireo* (Aves: Vireonidae). *Canadian Journal of Zoology*, 48: 395-398. [Abstract: "Habitat co-occupancy is reported for the first time between the gray vireo (*Vireo vicinior* Coues) and the Bell vireo (*V. belli arizonae* Ridgeway) and the former species and the solitary vireo (*V. solitarius plumbeus* Coues). Observations were made in central and northern Arizona. Behavioral and vocal differences facilitate the association between *V. vicinior* and *V. belli arizonae*, but only behavioral differences are seemingly used by *V. vicinior* and *V. solitarius plumbeus*."]

**Barlow, Jay Phillip**

- 1982 19.214 *Methods and applications in estimating mortality and other vital rates*. Doctoral dissertation, University of California at San Diego, 194 pp. [Includes Kaibab deer.]

**Barlow, Jay, AND McCulloch, Clay Y.**

- 1984 19.216 Recent dynamics and mortality rates of the Kaibab deer herd. *Canadian Journal of Zoology*, 62 (September): 1805-1812.

**Barnard, Geoff [Barnard, Geoffrey S.]**

- 1996 19.217 It's a bird! It's a plane! *Colorado Plateau Advocate*, (Summer): 2.

**Barneby, Rupert C.**

- 1944 19.2177 Alice Eastwood Semi-Centennial Publications. No. 3. *Pugillus astragalorum alter*. *California Academy of Sciences, Proceedings, Series 4*, 25(3) (June 1): 147-170, Plate 17. [See *Astragalus zionis* (p. 149), "[a]n addition to the flora of Arizona" from "Echo Cliffs near Limestone Tanks, about 13 miles south of Navajo Bridge"; *Astragalus eremiticus* Sheld. var. *typicus*, new name, with localities including "Mokiak Pass, Mohave Co." (p. 155); *Astragalus bryantii*, new species (pp. 156-157, Plate 17, figures 10-18), type from mouth of Hermit Creek, Grand Canyon, with referred specimen from head of Phantom Canyon.]
- 1945 19.5297 *Pugillus astragalorum* IV: The Section *Diplocystium*. *Leaflets of Western Botany*, 4(5) (March): 65-147 [including Plates 1-4]. [See *Astragalus lentiginosus* Dougl. ex Hook., *sensu ampliatissimo* Jones, 1923, var. *diphysus* (Gray) Jones, including specimens cited from "S. of Cameron", "Cameron to Navajo Bridge", and a gathering from "S. of (Lee's) Ferry" that had been identified as *A. mokiacensis* (pp. 114-116, Plate 3, figures 5-10); *A. l.* var. *vitreus* Barneby, including specimens cited from "Kaibab [Plateau]", "W. of Fredonia", and Pipe Spring (pp. 119-121, Plate 3, figures 30-33); *A. l.* var. *palans* (Jones) Jones, including specimens cited from "Grand Canyon" and "Grand view Trail" (pp. 134-135, Plate 4, figures 23-26); *A. l.* var. *stramineus* (Rydb.) Barneby, new combination, including specimens cited from "Arizona strip" [*sic*] (pp. 122-123, Plate 3, figures 26-29); *A. l.* var. *oropedii*, new variety, type from "[North] Kaibab Trail to Roaring Springs, Grand Canyon National Park", and specimens cited from "Cliff Spring, 1 mile from Cape Royal", "North Rim of Grand Canyon", and "Jacob's Lake to Fredonia" (pp. 135-137); *A. l.* var. *mokiacensis* (Gray) Jones, including specimens cited from the type locality, Mokiak Pass, "Grand Canyon of the

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- Colorado near Fort Mohave" [*sic*], and "Form  $\beta$ " from Pipe Spring and Peach Springs (pp. 137-139, Plate 4, figures 34-39).]
- 1947 19.5216 Pugillus astragalorum VIII: Notes on section *Genistoidei*. *Leaflets of Western Botany*, 5(2) (April): 25-35. [See *Astragalus convallarius* Greene var. *foliolatus* Barneby (pp. 31-32), vicinity of Peach Springs; *A. lancearius* Gray 1878 (pp. 32-34), with note regarding *A. episcopus* Wats. 1875 ("nomen confusum"), first described from mixed gatherings "somewhere near Kanab . . . or conceivably at some point between that village and the Grand Canyon." (p. 33)]
- 1948 19.2178 Pugillus astragalorum IX: Novelties in *Batidophaca* Rydb. *Leaflets of Western Botany*, 5(5) (February): 82-89. [Includes *Astragalus cremnophylax*, new species (pp. 83-85), from ca. 2 miles west of El Tovar, Grand Canyon.] [Sentry milkvetch.] [NOTE: This article has been mis-cited, and occasionally re-cited thus apparently without having seen the original, as "A new species of *Astragalus* from the south rim of the Grand Canyon. *Leaflets of Western Botany*, 5: 83." Such is a completely contrived title to specifically note Barneby's description of *Astragalus cremnophylax*, citing only the page on which that name first appears. Readers searching for that title, particularly with the aid of digital resources or through interlibrary copying services, will of course neither locate it nor obtain the complete species description based on that information.]
- 1949 19.2140 Pugillus astragalorum X: New species, varieties and combinations. *American Midland Naturalist*, 41(2) (March): 496-502.
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

[Grand Canyon-Parashant National Monument], 21 May 2003, S.T. Bates STB00484 (hb. Bates”), *Lycopderdon lividum* Pers. (pp. 185-186, material examined includes “Near V.T. Ranch [VT Ranch], Kaibab Nat. Forest, 22 October 1933, W.H. Long WHL7871 (BPI)”), *L. marginatum* Vittad. (pp. 186-188, material examined includes “Grand Canyon, 01 August 1930, R.B. Street WHL7893 (BPI)”), *L. molle* Pers. (pp. 188-190, material examined includes “Grand Canyon, 01 August 1930, R.B. Street WHL7892c (BPI)”), *L. rimulum* Peck ex Trel. (pp. 195-196, material examined includes “Grand Canyon, 01 August 1930, R.B. Street WHL7892b (BPI)”).]

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**Berry, C. R.**

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**Biehl, Michelle L.**

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**Biernner, Mark W.**

- 1993 19.264 *Hymenoxys jamesii* (Asteraceae: Heliantheae): a new species from Arizona. *Madroño*, 40: 38-46. [NOTE: *H. jamesii* not from immediate Grand Canyon region. Other species noted in this paper are from this area.]

**Biggins, Dean E.; Godbey, Jerry L.; Livieri, Travis M.; Matchett, Marc R.; AND Bibles, Brent D.**

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1995 19.266 *Life history and ecology of the humpback chub (Gila cypha) in the Colorado River, Grand Canyon, Arizona : appendix.* Logan, Utah: Bio/West, for U.S. Bureau of Reclamation, Salt Lake City, and Glen Canyon Environmental Studies, Flagstaff, Arizona, individually paginated appendices A-H [177 pp. total]. (Contract No. 0-CS-40-09 I 10.)

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**Birkeland, Bob**

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**Birkeland, Ginger Hinchman** *see also* Hinchman, Virginia H.

- 1996 19.6373 Riparian vegetation and sandbar morphology along the lower Little Colorado River, Arizona. *Physical Geography*, 17(6): 534-553. [Two study sites: "ephemeral site" near U.S. Geological Survey stream gage below Cameron, and "perennial site" between Salt Trail Canyon and Colorado River confluence.]
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**Black, Donald M.**

- 1956 19.6751 Ozzie lives here now. *National Parks Magazine*, 29(120) (January/March): 28-29. [Ozzie is "a spotted ground squirrel of the Grand Canyon country" now living at this ranger's home at Grand Canyon. With photo.]
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Rim Road.” Includes notes on remediation, and an anecdotal report of deer and cattle having been rescued.]

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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- 2010 19.5708 Mexican spotted owl home range, habitat use, and reproduction in the Grand Canyon National Park [ABSTRACT]. *COS-AOU-SCO 2010 San Diego : abstract book*. Waco, Texas: Cooper Ornithological Society, American Ornithologists' Union, and Society of Canadian Ornithologists, p. 11. (COS/AOU/SCO 2010 Joint Meeting, 7-11 February, 2010, Town and Country Resort and Convention Center, San Diego, California, USA.)

**Bowden, Timothy S.; White, Jeremy M.; AND Ward, R. V.**

- 2010 19.5709 A minimally invasive approach to monitoring nest-site behavior for a threatened species [ABSTRACT]. *COS-AOU-SCO 2010 San Diego : abstract book*. Waco, Texas: Cooper Ornithological Society, American Ornithologists' Union, and Society of Canadian Ornithologists, p. 11. (COS/AOU/SCO 2010 Joint Meeting, 7-11 February, 2010, Town and Country Resort and Convention Center, San Diego, California, USA.) [Spotted owls (*Strix occidentalis lucida*) in Grand Canyon National Park.]
- 2011 19.4958 A minimally invasive approach to monitoring nest-site behavior for a threatened species [ABSTRACT]. *In: Rethinking Protected Areas in a Changing World : The George Wright Society Conference on Parks, Protected Areas and Cultural Sites, March 14-18, 2011, New Orleans, Louisiana : abstracts*. [No place]: George Wright Society, p. 183. [Spotted owls (*Strix occidentalis lucida*) in Grand Canyon National Park.]

**Bowers, Bob**

- 2014 19.4438 Lee's Ferry fishing trip report. *Newsletter* (White Mountains Fly Fishing Club, Pinetop, Arizona), (May): 6.

**Bowers, Janice E.**

- 1981 19.6436 Local floras of Arizona: An annotated bibliography. *Madroño*, 28(4) (October): 193-209.
- 1997 19.296 Demographic patterns of *Ferocactus cylindraceus* in relation to substrate age and grazing history. *Plant Ecology*, 133(1): 37-48.

**Bowers, Jan E.** [Bowers, Janice E.]; **Johnson, R. Roy; Phillips, Arthur M., III; AND Phillips, Barbara G.**

- 1979 19.6460 Resource values of the aquatic and riparian vegetation of Roaring Springs, Grand Canyon [ABSTRACT]. *In: Abstracts : 2nd Conference on Scientific Research in the National Parks, 26-30 November 1979, San Francisco, California*. [No imprint], p. 111.

**Bowers, Janice E.; Webb, Robert H.; AND Pierson, Elizabeth A.**

- 1997 19.297 Succession of desert plants on debris flow terraces, Grand Canyon, Arizona, U.S.A. *Journal of Arid Environments*, 36(1) (May): 67-86.

**Bowers, Janice E.; Webb, Robert H.; AND Rondeau, Renée J.**

- 1995 19.298 Longevity, recruitment and mortality of desert plants in Grand Canyon, Arizona, USA. *Journal of Vegetation Science*, 6(4): 551-564.



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Bowser, Curtis W.**

- 1958 19.299 Introduction and spread of the undesirable tamarisks in the Pacific Southwest Section of the United States and comments concerning the plants' influence upon the indigenous vegetation. *In: Symposium on phreatophytes : reports presented at Pacific Southwest Regional Meeting, American Geophysical Union, Sacramento, California, February 14, 15, 1957.* Phreatophyte Subcommittee of Pacific Southwest Inter-Agency Committee, pp. 12-17.

**Box, Carolyn L., AND Tobin, Benjamin W.**

- 2015 19.4813 Assessing hyporheic exchange in an arid, spring fed stream system, Bright Angel Creek, Grand Canyon National Park, AZ [ABSTRACT]. *Geological Society of America, Abstracts with Programs*, 47(7): 315.
- 2016 19.5240 Assessing hyporheic exchange in an arid, spring fed stream system, Bright Angel Creek, Grand Canyon National Park, AZ [ABSTRACT]. *In: Northern Arizona University, College of Engineering, Forestry and Natural Sciences, Environmental Sciences and Studies Capstone Presentations, Wednesday, March 2, 2016 in the duBois Center*, p. 5.

**Box, Elgene O.**

- 2014 19.5168 Uplands and global zonation. *Contribuții Botanice* (Grădina Botanică "Alexandru Borza", Universității Babeș-Bolyai, Cluj-Napoca, Romania), 49: 223-254. ["Kaibab Plateau" is the sole listing under "Rocky Mountains" in "Table 2: Major Upland Areas of the World" (p. 227); no text mention.] [In English.]

**Boyer, Jan K.; Rogowski, David L.; AND Wolters, Pilar N.**

- 2018 19.5743 Fish are friends, not food? Angler attitudes at Lees Ferry [ABSTRACT]. *From: Fisheries Abstracts Oral Presentation [SECTION]. In: 51st Joint Annual Meeting, Arizona and New Mexico Chapters of The Wildlife Society and Arizona/New Mexico Chapter of The American Fisheries Society, February 1-3, 2018, Little America, Flagstaff, Arizona*, p. 28. [NOTE: Each abstract section in this program erroneously begins with p. 27.]

**Boykin, Kenneth G.; Drost, Charles A.; AND Wynne, J. Judson**

- 2005 19.2580 Vertebrate species of the Colorado Plateau [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. 31.
- 2007 19.2807 A Gap analysis of terrestrial vertebrate species of the Colorado Plateau: Assessment from the Southwest Gap Analysis Project. *In: Proceedings of the 8th Biennial Conference of Research on the Colorado Plateau.* Tucson: University of Arizona Press, pp. 77-89.

**Boykin, Kenneth G.; Thompson, Bruce C.; Deitner, Robert A.; Schrupp, Don; Bradford, David; O'Brien, Lee; Drost, Charles; Propeck-Gray, Suzanne; Rieth, Wendy; Thomas,**

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Kathryn; Kepner, William; Lowry, John; Cross, Chad; Jones, Bruce; Hamer, Tammy; Mettenbrink, Chris; Oakes, Katy Jo; Prior-Magee, Julie; Schulz, Keith; Wynne, J. Judson; King, Cynthia; Puttere, Jennifer; Schrader, Scott; AND Schwenke, Zach**

- 2007 19.2814 Predicted animal habitat distributions and species richness. *In*: Prior-Magee, J. S. (ed.), *Southwest regional Gap analysis final report*. Moscow, Idaho: U.S. Geological Survey, Gap Analysis Program, pp. 39-78.

**Boykin, Marcus A.**

- 1992 19.3037 [Request.] *In*: Research news and notes [SECTION]. *International Lichenological Newsletter*, 25(1) (February): 3. ["Boykin, Marcus (Tempe, USA) is embarking on a study of the lichens of the Grand Canyon National Park and would appreciate records for any collections made at the park." (ENTIRE ITEM)]
- 1993 19.300 *Floristics and elemental concentrations of lichens from Grand Canyon National Park, Arizona*. Master's thesis, Arizona State University, 68 pp.

**Boykin, Marcus A., AND Nash, Thomas, H., III**

- 1995 19.301 The lichen flora of Grand Canyon National Park, Arizona. *Arizona-Nevada Academy of Science, Journal*, 28(1/2): 59-69.

**Boyle, Robert H.**

- 1959 19.6884 An absence of wood nymphs; Vladimir Nabokov, famed author of "Lolita," and a renowned lepidopterist, seeks his favorite butterfly in Arizona. *Sports Illustrated*, (September 14):. [Nabokov is interviewed when he and his wife are staying in a cabin at Forest Houses in Oak Creek Canyon, Arizona. Quoting Nabokov, he mentions, *in passing*, his Grand Canyon butterfly discovery, which he hopes to find at Oak Creek.]

**Bradfield, Maitland**

- 1974 19.302 Birds of the Hopi region, their Hopi names, and notes on the ecology. *Museum of Northern Arizona, Bulletin* 48, 75 pp.  
 ≡ CROSS-LISTINGS [CITED» GCNHA Monograph 8: page 4-33] FQ12B:29 FQ13:59 FQ13A:31 FQ15:56 FQ17:62 FQ24/2:1111

**Bradley, J. Chester**

- 1919 19.2013 An entomological cross-section of the United States. *Scientific Monthly*, 8(4): 356-377, (5): 403-420, (6): 514-526. [Grand Canyon, see pp. 357, 359, 519-520.]
- 1977 19.2003 (WITH AN INTRODUCTION BY Frank L. Lambrecht) Bug men and botanists in Arizona. *Journal of Arizona History*, 18(4): 469-484. [Lambrecht introduction, pp. 469-472; remainder reprinted from Bradley (1919).]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Braem, Selma**

- 1947 19.4135 More frightened trees. *In*: Letters [SECTION]. *Desert Magazine*, 10(8) (June): 35. [With regard to the article by Toney Richardson in March issue (ITEM NO. 19.4133). Recalls a similar region "north of Peach Springs, Arizona, on the Frazier's well road, I think".]

**Bramblett, Robert G., AND Gorman, Owen T.**

- 1999 19.5333 Little Colorado River monitoring and research, July 1998. *In*: Gorman, Owen T., and Bramblett, Robert G., *Monitoring and studies of native fishes of the Colorado River ecosystem in Grand Canyon, Arizona : interim report : Interagency Acquisition No. 98-AA-40-0040 : FY 1998*. Flagstaff, Arizona: U.S. Fish and Wildlife Service, Grand Canyon Fisheries Resources Office, for Grand Canyon Monitoring and Research Center, Flagstaff, Arizona, and U.S. Bureau of Reclamation, Upper Colorado Region, Salt Lake City, Utah, pp. 14-16.
- 1999 19.5334 Little Colorado River monitoring and research, October 1998. *In*: Gorman, Owen T., and Bramblett, Robert G., *Monitoring and studies of native fishes of the Colorado River ecosystem in Grand Canyon, Arizona : interim report : Interagency Acquisition No. 98-AA-40-0040 : FY 1998*. Flagstaff, Arizona: U.S. Fish and Wildlife Service, Grand Canyon Fisheries Resources Office, for Grand Canyon Monitoring and Research Center, Flagstaff, Arizona, and U.S. Bureau of Reclamation, Upper Colorado Region, Salt Lake City, Utah, pp. 17-20.
- 1999 19.5335 Mainstream Colorado River and tributaries monitoring and research, 16 June-1 July 1998 (trip 1) and 26 August-11 September 1998 (trip 2). *In*: Gorman, Owen T., and Bramblett, Robert G., *Monitoring and studies of native fishes of the Colorado River ecosystem in Grand Canyon, Arizona : interim report : Interagency Acquisition No. 98-AA-40-0040 : FY 1998*. Flagstaff, Arizona: U.S. Fish and Wildlife Service, Grand Canyon Fisheries Resources Office, for Grand Canyon Monitoring and Research Center, Flagstaff, Arizona, and U.S. Bureau of Reclamation, Upper Colorado Region, Salt Lake City, Utah, pp. 21-27.

**Brand, A.**

- 1907 19.3752 IV. 250. Polemoniaceae. *In*: Engler, A. (ed.), *Das Pflanzenreich. Regni vegetabilis conspectus*. Leipzig: Verlag von Wilhelm Engelmann, 203 pp. [Grand Canyon, see *Gilia pungens* (Torr.) Benth. in DC subsp. *eu-pungens* Brand var. *hookeri* (Dougl.) Brand, p. 126.] [In German.]
- 1913 19.3753 IV. 251. Hydrophyllaceae. *In*: Engler, A. (ed.), *Das Pflanzenreich. Regni vegetabilis conspectus*. Leipzig: Verlag von Wilhelm Engelmann, 210 pp. [Grand Canyon, see *Phacelia glechomifolia* A. Gray, p. 122; *P. filliformis* Brand, p. 123.] [In German.]
- 1931 19.6327 IV. 252. Borraginaceae-Borraginoideae-Cryptantheae. *In*: Engler, A. (ed.), *Das Pflanzenreich. Regni vegetabilis conspectus*. Leipzig: Verlag von Wilhelm Engelmann, 236 pp. [Grand Canyon (Diamond Creek), see *Cryptantha (Krynitzkia) nevadensis* Nelson et Kennedy, pp. 39-40.] [In German.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Brandt, Frank**

- 1996 19.303 Condor release scheduled at last! *Northern Arizona Audubon Society, Newsletter*, 26(4): 1.

**Brandt, Frank; Brandt, Linda; AND Romig, Gary**

- 2001 19.4236 *Birding the Flagstaff area*. Sedona, Arizona: Northern Arizona Audubon Society, 79 pp. (and gatefold map). [Cover title adds: *Includes the Grand Canyon South Rim, Navajo and Hopi Lands*. Rear gatefold map folds around text block, with shelf title on outside "spine" edge.]

**Bransky, Nathaniel D.; Sankey, Temuulen T.; Sankey, Joel B.; Johnson, Mathew J.; AND Jamison, Levi R.**

- 2022 19.6823 Monitoring *Tamarix* changes using satellite imagery in Grand Canyon National Park, Arizona [ABSTRACT]. *In: 16th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 12-15, 2022, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, p. 18.

**Brasher, Jeffrey W.**

- 1998 19.304 Celastraceae; staff-tree family, bitter-sweet family. *In: A new flora for Arizona in preparation. Arizona-Nevada Academy of Science, Journal*, 30(2): 57-60.
- 1999 19.1924 Simaroubaceae; simarouba, quassia family. *In: A new flora for Arizona in preparation. Arizona-Nevada Academy of Science, Journal*, 32(1): 85-87.
- 2001 19.2016 Betulaceae birch family. *In: A new flora for Arizona in preparation. Arizona-Nevada Academy of Science, Journal*, 33(1): 1-8.
- 2001 19.2017 Rosaceae rose family, part one. *Rubus* L.; raspberries, blackberries, thimbleberries. *In: A new flora for Arizona in preparation. Arizona-Nevada Academy of Science, Journal*, 33(1): 50-57.
- 2003 19.2392 Ulmaceae; elm family. *In: A new flora for Arizona in preparation. Arizona-Nevada Academy of Science, Journal*, 35(2): 170-176.

**Braun, Clait E.; Linhart, Yan B.; Enderson, James H.; Marti, Carl D.; AND Fuller, Mark R.** (The Wildlife Society and American Ornithologists' Union Technical Review Team on Northern Goshawks)

- 1996 19.6981 Northern goshawk and forest management in the southwestern United States. (David E. Capen, ed.) *The Wildlife Society, Technical Review* 96-2, 19 pp. [On 12-13 December 1993, the team visited sites in the Coconino and Kaibab National Forests, including the North Kaibab Ranger District.]

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**Braun, E. L.**

- 1926 19.3376 National parks and national monuments. *In*: Shelford, Victor E. (ed.), *Naturalist's guide to the Americas*. Baltimore, Maryland: Williams and Wilkins Co., pp. 20-27.  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 2: page 87](#) | [CITED» GCNHA Monograph 8: page 4-11](#)
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**Bravo, Mario**

- 1993 19.6670 A view from the Hualapai Tribe. *In*: Tellman, Barbara, Cortner, Hanna J., Wallace, Mary G., DeBano, Leonard F., and Hamre, R. H. (Technical Coordinators), *Riparian Management: Common Threads and Shared Interests*, a western regional conference on river management strategies, February 4-6, 1993, Albuquerque, New Mexico. *U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-226*, pp. 27-28.
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**Bravo, W. Clay**

- 1993 19.6686 Statement of W. Clay Bravo, Assistant Director, Hualapai Wildlife Management Department [Hualapai Tribe]. *In*: *Draft bill of the Indian Fish and Wildlife Resource Management Act of 1993 : hearing before the Committee on Indian Affairs, United States Senate, One Hundred Third Congress, First Session, on to [sic] establish within the BIA a program to improve the management of Indian fish, wildlife, trapping, gathering and outdoor recreation resources : June 15, 1993, Washington, DC : Part 1*. Washington, D.C.: U.S. Government Printing Office, pp. 45-47, 123-130. [Volume: S. Hrg. 103-278, Pt. 1.] [BIA, Bureau of Indian Affairs.]
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**Breck, Stewart W.; Goldstein, Michael I.; AND Pyare, Sanjay**

- 2012 19.5089 Site-occupancy monitoring of an ecosystem indicator: Linking characteristics of riparian vegetation to beaver occurrence. *Western North American Naturalist*, 72(4): 432-441. [Study area along Colorado River from Glen Canyon Dam to the western boundary of Grand Canyon National Park.]
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**Brecher, M.**

- 1981 19.305 Wings cause a new flap at Grand Canyon. *Arizona*, (March 29): 7-9.  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 8: page 4-33](#)
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**Breitung, August J.**

- 1956 19.2181 In search for agaves. *Cactus Chronicle* (Los Angeles Cactus and Succulent Society), 5(8): 41-43.
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**Brennan, James**

- 1979 19.3262 [Letter.] *From*: Burros or Mules to Blame? *In*: Letters [SECTION]. *Backpacker*, 7(2) (April/May) (32): 12. [In response to a letter by Charles A. Endicott (6(6) (30)),

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

regarding the article by Lionel A. Atwill, "Up to Our Ears in Asses", 6(4) (28), [ITEM NO. 19.2455.](#)]

**Breslin, Peter B.**

- 2012 19.5101 Tiny stars: Four cryptic cacti of northern Arizona. *Cactus and Succulent Journal* (Cactus and Succulent Society of America), 84(5): cover, 228-232.
- 2022 19.6824 Potential impacts of climate change on narrowly distributed endemic *Pediocactus* (Cactaceae) species in northwestern Arizona [ABSTRACT]. *In: 16th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 12-15, 2022, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, p. 19.

**Breslin, Peter; Romero, Rob; Starr, Greg; AND Watkins, Vonn**

- 2015 19.4910 (WITH Doug Dawson, Matt Johnson, A. Dean Stock, and David Yetman) *Field guide to cacti and other succulents of Arizona*. Tucson: Tucson Cactus and Succulent Society, 302 pp.

**Bretting, P. K.**

- 1982 19.2087 Morphological differentiation of *Proboscidea parviflora* ssp. *parviflora* (Martyniaceae) under domestication. *American Journal of Botany*, 69(10) (November/December): 1531-1537.

**Bretting, P. K., AND Nabhan, G. P.**

- 1986 19.5331 Ethnobotany of Devil's Claw (*Proboscidea parviflora* ssp. *parviflora*: Martyniaceae) in the greater Southwest. *Journal of California and Great Basin Anthropology*, 8(2): 226-237.

**Brewer, Jan**

- 2011 19.3538 Leading the way towards restored forests in Arizona. *Colorado Plateau Advocate*, (Winter/Spring 2011/2012): 4.

**Brian, Nancy J.**

- 1982 19.306 *A preliminary study of the riparian coyote willow communities along the Colorado River in Grand Canyon National Park, Arizona*. Master's thesis, Northern Arizona University, 84 pp.  
     ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 8: page 4-33](#)]
- 1987 19.5511 *Aerial photography comparison of 1983 high flow impacts to vegetation at eight Colorado River beaches*. Grand Canyon, Arizona: U.S. National Park Service, Grand Canyon National Park, for U.S. Bureau of Reclamation, Upper Colorado Region, Glen Canyon Environmental Studies, Salt Lake City, 68 pp. (Terrestrial Biology of the Glen Canyon Environmental Studies.) [Study sites (as listed in Figure 1, p. 4): Saddle, Nankoweap I and II, Awatubi, Phantom Ranch Grand Canyon Gaging Station, Bass, Forster, Lava I and II.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 1988 19.5512 Aerial photography comparison of 1983 high flow impacts to vegetation at eight Colorado River beaches. *In*: U.S. Bureau of Reclamation, Glen Canyon Environmental Studies, *Glen Canyon Environmental Studies : executive summaries of technical reports : November 1988*. [No place]: Glen Canyon Environmental Studies, pp. 245-255.
- 1996 19.307 Exotic plants; alien invasions at Grand Canyon. *Nature Notes* (Grand Canyon National Park), 12(1) (Spring): 4-7.
- 1996 19.308 Meet Grand Canyon's floral endemics. *Nature Notes* (Grand Canyon National Park), 12(2) (Summer): 4-6.
- 1997 19.309 Grandest of the Grand; the Park's big trees. *Nature Notes* (Grand Canyon National Park), 13(1) (Spring): 4-6, 12.
- 1997 19.6727 *Sentry milk-vetch* (*Astragalus cremnophylax* var. *cremnophylax*) *survey handbook*. U.S. National Park Service, Grand Canyon National Park, Grand Canyon Science Center, 45 pp. [Supersedes Warren (1993).]
- 1998 19.310 [Japanese pagoda-trees, *Sophora japonica*, in front of El Tovar.] *In*: Grand Canyon happenings. *Nature Notes* (Grand Canyon National Park), 14(2) (Winter): 5.
- 1999 19.311 Recent observations on the ecology and distribution of *Argemone arizonica* Owenby (Papaveraceae). *Arizona-Nevada Academy of Science, Journal*, 31(2): 101-102. [Date "1998 [Distributed March 1999]" (square brackets thus).]
- 2000 19.1925 *A field guide to the special status plants of Grand Canyon National Park*. Grand Canyon, Arizona: Science Center, Grand Canyon National Park, unpaginated. [Loose-leaf format, alphabetically arranged to facilitate updating with separate leaves. 75 copies only.]
- 2000 19.1981 (COMPILER) Checklist of non-vascular plants of Grand Canyon National Park, Arizona; kingdoms Monera, Protista, Fungi, and Plantae (phylum Bryophyta). *Notulae Naturae* (Academy of Natural Sciences of Philadelphia), (474), 20 pp. [NOTE (added here): This paper includes records of diatoms (Bacillariophyceae) from previously uncollected localities, and some new taxonomic records for Grand Canyon diatoms, that were determined from material collected by Earle Spamer.]
- 2000 19.2004 Back from the brink: the success story of the sentry milk-vetch at Grand Canyon National Park. *Nature Notes* (Grand Canyon National Park), 16(2) (Winter): 6-7, 10. [*Astragalus cremnophylax* Barneby var. *cremnophylax*.]
- 2001 19.2036 Additions to the flora of the Grand Canyon region—III. *Arizona-Nevada Academy of Science, Journal*, 33(2): 151-153. [For part "I" see Ayers *et al.* (1995, ITEM NO. 19.193). For part "II" see Brian *et al.* (2000, ITEM NO. 19.1960).

**Brian, Nancy J., AND Spamer, Earle E.**

- 1999 19.312 Knowlton hop hornbeam revisited. *Nature Notes* (Grand Canyon National Park), 15(1) (Summer): 3-5. [*Ostrya knowltonii* Cov.]
- 2000 19.1926 Knowlton hop-hornbeam revisited (*Ostrya knowltonii* Cov.). *Bartonia*, (60): 49-56.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Brian, Nancy; Hodgson, Wendy C.; AND Phillips, Arthur M., III**

- 2000 19.1960 Additions to the flora of the Grand Canyon region—II. *Arizona-Nevada Academy of Science, Journal*, 32(2) [1999]: 117-128. [Distributed May 2000.] [For part "I" see Ayers *et al.* (1995, ITEM NO. 19.193). For part "III" see Brian (2001, ITEM NO. 19.2036).]

**Brian, Nancy; Kali, Mara; Sherrill, Kirk; Flynn, Patrick; AND Budde, Peter**

- 2011 19.4080 *Designated critical habitat of Threatened and Endangered species in National Park Service units.* Fort Collins, Colorado: U.S. National Park Service, natural Resource Stewardship and Science, 130 pp. (U.S. National Park Service, Natural Resource Report NSP/NRSS/NRR-2011/430.) [Data; see also the maps for areas pertinent to this bibliography, Grand Canyon National Park (p. 48), and Lake Mead National Recreation Area (p. 66).]

**Briesen, Derek von**

- 2014 19.4297 New Mexico locusts mingle with aspens on the Grand Canyon's North Rim. *In: Kida, Jeff (ed.), May flowers; a portfolio. Arizona Highways*, 90(5) (May): 38, 39.

**Briggs, Arthur S.**

- 1995 19.3297 Southwestern Region, Arizona; Timber resource analysis—Kaibab National Forest. *Federal Register*, 60(53) (March 20): 14719-14720. [Notes Mexican spotted owl and northern goshawk.]

**Bright-Smith, Donald Joseph**

- 1994 19.3832 *Habitat use by breeding male northern goshawks in northern Arizona.* Master's thesis, University of Arizona, 47 pp.

**Bright-Smith, Donald J., AND Mannan, R. William**

- 1994 19.2300 Habitat use by breeding male northern goshawks in northern Arizona. *Studies in Avian Biology*, 16(23 November): 58-65.

**Brinda, John C.; Stark, Lloyd R.; Clark, Theresa A.; AND Greenwood, Joshua L.**

- 2016 19.5250 Embryos of a moss can be hardened to desiccation tolerance: effects of rate of drying on the timeline of recovery and dehardening in *Aloina ambigua* (Pottiaceae). *Annals of Botany*, 117(1) (January): 153-163. [Culture technique based on "shoots from a herbarium specimen", "Brinda 2024: USA, Arizona, Mohave County, Grand Canyon-Parashant National Monument, Parashant Canyon, 36.155415N, 113.332383W (WGS84), elevation 774 m, 29 June 2008, on soil" (p. 155).]

**Britt, T. L., AND Peterson, Jeff**

- 1995 19.3894 Pronghorn in north central Arizona; Region II pronghorn profile. *Pronghorn* (Arizona Antelope Foundation), 3(2) (Spring): 4, "6", 8. [NOTE: Article indicates text continues



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

from page 4 to 6, thence to page 8; however, the text, interrupted thus, does not appear on page 6, nor is located on any other page of the issue.]

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**Britton, N. L. [Britton, Nathaniel Lord]**

- 1890 19.3270 New or noteworthy North American phanerogams.—III. *Torrey Botanical Club, Bulletin*, 17(12) (December): 310-316. [See p. 313, *Cassia crotolarioides* Knuth var. *leucophylla* Benth.]
- 1896 19.3271 Contributions from the Herbarium of Columbia College.—No. 16. New or noteworthy North American phanerogams.—III. *Columbia College, Herbarium, Contributions*, 1(16). [Facsimile reprinting, retaining original pagination, from *Torrey Botanical Club, Bulletin*, 17(12) (December): 310-316. See p. 313, *Cassia crotolarioides* Knuth var. *leucophylla* Benth.]

**Britton, N. L., AND Rose, J. N. [Britton, Nathaniel Lord, AND Rose, Joseph Nelson]**

- 1919 19.5149 The Cactaceae; descriptions and illustrations of plants of the cactus family. *Carnegie Institution of Washington, Publication 248, Volume 1*, 236 pp. [See *Opuntia hystricina* Engelm and Bigelow (pp. 197-198). Notes, "We have referred here a very remarkable form collected by E. W. Nelson at Lee's Ferry, Arizona, in 1909. [. . .] This may be the plant listed in Wienberg's catalogue, also from the Grand Canyon, under the name of *Opuntia hochderfferi*." [ *Opuntia hochderfferi*, nomen nudum.]
- 1922 19.5150 The Cactaceae; descriptions and illustrations of plants of the cactus family. *Carnegie Institution of Washington, Publication 248, Volume 3*, 255 pp. [See *Echinocactus xeranthemoides* (Coulter) Engelm in Rydberg (pp. 173-174). Type locality noted as "Kanab Plateau on the borders of Utah and Arizona"; also noted from Peach Springs, Arizona. Coulter's originally referred material (refer to Coulter, 1896, [ITEM NO. 19.5151](#)) was examined, but "Suer's plant from Kanab Mountains, referred to by Colter, is missing."]
- 1923 19.5138 The Cactaceae; descriptions and illustrations of plants of the cactus family. *Carnegie Institution of Washington, Publication 248, Volume 4*, 318 pp. [See *Coryphantha arizonica* (Engelmann) (pp. 45-46). Includes (p. 46): "Plate v [p. 49, color plate], figure 5, shows a plant sent by M. A. H. Spencer from the Grand Canyon, Arizona, in May 1907, which afterwards flowered in Washington." (ENTIRE NOTE)]

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**Brock, Frederic H.**

- 2001 19.2273 An interaction between a California condor and a red-tailed hawk in flight in Arizona, USA. *International Hawkwatcher*, 4 (August): 21.

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**Brock, James T.; Royer, Todd V.; Snyder, Eric B.; AND Thomas, Steven A.**

- 1999 19.5408 Periphyton metabolism: A chamber approach. *In*: Webb, Robert H., Schmidt, John C., Marzolf, G. Richard, and Valdez, Richard A. (eds.), *The controlled flood in Grand Canyon*. Washington, D.C.: American Geophysical Union, pp. 217-223. (*American Geophysical Union, Geophysical Monograph 110.*)
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Brock, John H.**

- 2003 19.3857 Arizona saltcedar projects. *Proceedings : Saltcedar and Water Resources in the West Symposium, July 16-17, 2003, San Angelo Convention Center, San Angelo, Texas*, pp. 148-157.
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**Bromley, Stanley W.**

- 1940 19.6113 New U.S.A. robber flies (Diptera: Asilidae). *Brooklyn Entomological Society, Bulletin*, 35(1) (February): 13-21. [See *Erax benedicti*, new species; paratype material includes "2 females, Grand Canyon, Ariz., June 12, 1937 (W. Benedict)" (pp. 15-16, Figure 1 (p. 20)).]
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**Brooks, J. P.**

- 1930 19.313 A unique combination. *Grand Canyon Nature Notes*, 4(5) (March): 31-32. [Rabbits and deer.] [See also Lauzon, 5(4) (February 1931): 38.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 87| |CITED» GCNHA Monograph 8: page 4-11|
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- 1995 19.365 *Life history and ecology of the humpback chub (Gila cypha) in the Colorado River, Grand Canyon, Arizona. Supplement No. IV: Grand Canyon fisheries integrated database.* Salt Lake City: U.S. Bureau of Reclamation, and Flagstaff, Arizona: Glen Canyon Environmental Studies, for U.S. Bureau of Reclamation, Salt Lake City, SEPARATELY PAGINATED SECTIONS [190 pp. total]. (Contract No. 0-CS-40-09110.)

**Brown, Nikolle L.**

- 1998 19.366 Snake! *Boatman's Quarterly Review*, 11(3) (Summer): 33.
- 1999 19.367 Snakes of the Grand Canyon; 1999 update. *Boatman's Quarterly Review*, 12(2) (Spring): 14.
- 1999 19.368 Snakes of the Grand Canyon identification and distribution project: Information sheet. *Boatman's Quarterly Review*, 12(2) (Spring): 15.
- 1999 19.369 Critters in the Canyon: Snakes. *The Waiting List* (Grand Canyon Private Boaters Association Quarterly), 3(3) (August): 9, 21.
- 1999 19.1927 Scaly skin? *Boatman's Quarterly Review*, 12(4) (Winter): 9.
- 1999 19.1928 Camp invaders. *The Waiting List* (Grand Canyon Private Boaters Association), 3(4) (December): 29-30.
- 2000 19.1957 Winter visitors; critters in the Canyon. *The Waiting List* (Grand Canyon Private Boaters Association), 4(1) (Spring): 31.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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- 2000 19.1962 Snakes of the Grand Canyon identification and distribution project: Information sheet. *Boatman's Quarterly Review*, 13(2) (Spring): 27.
- 2000 19.1982 Critters in the Canyon—lizards. *The Waiting List* (Grand Canyon Private Boaters Association), 4(2) (Summer): 31.
- 2000 19.1983 Wanted! Snake information. *The Waiting List* (Grand Canyon Private Boaters Association), 4(2) (Summer): 31.
- 2000 19.1984 Critters in the Canyon—bats. *The Waiting List* (Grand Canyon Private Boaters Association), 4(3) (Fall): 7.
- 2001 19.2005 Canyon critters—Larger summer birds. *The Waiting List* (Grand Canyon Private Boaters Association), 4(4) (Winter 2000-2001): 32.
- 2001 19.2018 Critters in the Canyon—smaller summer birds. *The Waiting List* (Grand Canyon Private Boaters Association), 5(1) (Spring): 32-33.
- 2001 19.2037 You are invited to contribute to a non-invasive study of the snakes of Grand Canyon. *Nature Notes* (Grand Canyon National Park), 17(1) (Summer): 6-7.
- 2001 19.2038 Critters in the Canyon—beaver hazards. *The Waiting List* (Grand Canyon Private Boaters Association Quarterly), 5(2) (Summer): 34.
- 2001 19.2143 "D"-flies: Which is a dragon? Which is a damsel? *The Waiting List* (Grand Canyon Private Boaters Association), 5(3) (Fall): 9.
- 2001 19.4227 The Howdy owls of Arizona: A review of the status of *Athene cunicularia*. *Journal of Raptor Research*, 35(4): 344-350.
- 2002 19.2182 Snakes of the Grand Canyon identification and distribution project. *Boatman's Quarterly Review*, 15(1) (Spring): 46. [Request for information. Author's name misspelled "Nicolle".]
- 2003 19.2428 Chuckwallas and Gila monsters. *The Waiting List* (Grand Canyon Private Boaters Association Quarterly), 6(3) (Fall): 58-59.
- 2003 19.2441 A baby condor hatches. *Boatman's Quarterly Review*, 16(4) (Winter): 3.
- 2003 19.2969 [Species record] *Crotalus scutulatus* (Mojave rattlesnake). *Herpetological Review*, 34(2): 168.
- 2003 19.2970 [Species record] *Crotalus mitchellii pyrrhus* (southwestern speckled rattlesnake). *Herpetological Review*, 34(3): 263.
- 2003 19.2971 [Species record] *Crotalus scutulatus* (Mojave rattlesnake). *Herpetological Review*, 34(3): 263.
- 2004 19.2467 Critters in the canyon: Bighorn sheep. *The Waiting List* (Grand Canyon Private Boaters Association Quarterly), 6(4) (Winter/Spring): 19.
- 2004 19.2494 Critters in the canyon; Tarantulas and tarantula hawks. *The Waiting List* (Grand Canyon Private Boaters Association Quarterly), 7(1) (Fall): 43.

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**Brown, Perry E.**

1932 19.370 Game survey of Walhalla Plateau. *Grand Canyon Nature Notes*, 7(4) (July): 33-38.  
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**Brown, Richard L.**

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 Department, Research Branch, Technical Report 1*, 40+ pp. [76 pp. total].

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 Arizona wildlife management, 1912-1962.* Phoenix: Arizona Game and Fish  
 Department, pp. 235-252.

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**Brueck, Vaydes J.**

1985 19.371 Squirrel hunt. *Hibernacle News*, 1985: [9]. [Facsimile from newspaper, letter  
 addressed to "Editor, Spectrum". Kaibab squirrel hunt.]

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**Brulliard, Nicolas**

2017 19.6765 The burro quandary; wild donkeys are cute but destructive, and park officials don't  
 know what to do with them. *National Parks*, 91(1) (Winter): 28-35. [Includes Grand  
 Canyon.]

2017 19.6766 Desert gator; the life and times of Clem of Grand Canyon-Parashant. *National Parks*,  
 91(3) (Summer): 58-59. [Regarding the feral alligator set loose in the 1970s at  
 Pakoon Springs, a ten-acre habitat now in Grand Canyon-Parashant National  
 Monument; recaptured in 2005 and now living in a sanctuary in Scottsdale, Arizona.]

2019 19.6768 Home on the range? Bison are destroying Grand Canyon's fragile meadows, but  
 removing the animals is no easy task. *National Parks*, 93(3) (Summer): 24-25.

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**Bruner, Lawrence**

1904 19.372 The Acridiidae. *In: Biologia Centrali-Americana. Insecta. Orthoptera. Volume II. The  
 Acridiidae by Prof. Lawrence Bruner, B.Sc. [the Tettiginae by Albert P. Morse], and the  
 Phasmidae by Robert Shelford, M.A., F.L.S., C.M.Z.S.* [No imprint], 412 pp., 8 plates.  
 [Volume II, 1900-1909.] [Series imprint: London: R. H. Porter, for the editors.] [See  
 p. 46, *Syrbula modesta*.] [Issued in parts with dated signatures; signature Gg (pp.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

41-48) dated January, 1904.] [Square brackets in title are part of title.] [See also Rehn and Hebard (1912, [ITEM NO. 19.1386](#)) for lectotypifications of selected species.]

**Brunet, Johanne**

- 2009 19.3281 Pollinators of the Rocky Mountain columbine: temporal variation, functional groups and associations with floral traits. *Annals of Botany*, 103: 1567-1578. [Study sites include Grand Canyon North Rim.]

**Brunet, Johanne; Larson-Rabin, Zachary; AND Stewart, Christy M.**

- 2012 19.4148 The distribution of genetic diversity within and among populations of the Rocky Mountain columbine: The impact of gene flow, pollinators, and mating system. *International Journal of Plant Science*, 173(5): 484-494. [Data include four population on North Rim of Grand Canyon.]

**Brunner, P. C.; Douglas, M. R.; AND Douglas, M. E.**

- 1999 19.4478 Are flannelmouth sucker in the Grand Canyon panmictic? [ABSTRACT]. ¿Son panmícticos los matalotes boca de franela en el Gran Cañón? [RESUMEN]. *Desert Fishes Council, Proceedings*, 30: 2-3. [In English and Spanish.]

**Bruno, Frank**

- 2006 19.2640 Tammy-whackin'. *Canyon Views* (Grand Canyon Association), 12(1) (Spring): 4-5. [Tamarisk eradication.]

**Bryan, Joseph J.**

- 1933 19.5066 [Townsend solitaire.] *In*: Miscellany. *Grand Canyon Nature Notes*, 8(8) (November):. ["A Townsend Solitaire (*Myadestes townsendi*, Audobon [*sic*]) was killed by flying into the large window at Yavapai Observation Station on September 20. On this same day Park naturalist McKee saw one of these birds at Grandview. The last record of this bird in the park was July 10, 1929, when a female was collected just under the east rim in the Kaibab Forest." (ENTIRE NOTE)]  
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- 1933 19.5067 [Rock squirrels.] *In*: Miscellany. *Grand Canyon Nature Notes*, 8(8) (November):. ["This year there is a large increase in the number of Colorado Rock Squirrels (*Otospermophilus g. grammurus*) both at Indian Gardens in the Canyon, and along the South Rim." (ENTIRE NOTE)]  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 2: page 93](#) | [CITED» GCNHA Monograph 8: page 4-25](#)

**Bryant, Harold C.**

- 1939 19.373 Another record of the Bohemian waxwing at Grand Canyon, Arizona. *The Condor*, 41: 123.  
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 1941 19.6887 New species of cacti reported for Grand Canyon National Park. *Park Service Bulletin* (U.S. National Park Service, Washington, D.C.), 11(4) (July/August): 7. [Notice of the publication of Clover and Jotter (1941, [ITEM NO. 19.447](#)), submitted by the Grand Canyon National Park Superintendent. Misspells Elzada as "Elsada" and Nevilles as "Nevilles".]
- 1941 19.374 A nighthawk migration on an Arizona desert. *The Condor*, 43 (November): 293. [Census by Mr. and Mrs. Bryant "on a stretch of the Grand Canyon approach road about 35 miles south of Grand Canyon".] [See also Bryant and Bryant (1945, [ITEM NO. 19.385](#)).]  
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- 1943 19.375 Birds eat snow. *The Condor*, 45: 77.  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 8: page 4-34](#) |
- 1945 19.376 Back-yard observations at Grand Canyon, Arizona. *Gull*, 27(5): 16-17.  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 2: page 87](#) | [CITED» GCNHA Monograph 8: page 4-12](#) |
- 1945 19.377 The status of game birds in Grand Canyon Nat'l. Park. *Arizona Wildlife and Sportsman*, 6(9) (July): 10.  
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- 1945 19.378 The status of big game in Grand Canyon National Park. *Arizona Wildlife and Sportsman*, 6(9) (July): 11.  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 8: page 4-34](#) |
- 1945 19.379 Winter record of red-winged blackbirds at Grand Canyon, Arizona. *The Condor*, 47: 219.  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 8: page 4-34](#) |
- 1945 19.380 Back-yard observations at Grand Canyon, Arizona. *Gull*, 27(5): 16-17.  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 8: page 4-34](#) |
- 1950 19.381 Unusual occurrence of red-winged blackbirds at Grand Canyon, Arizona. *The Condor*, 52: 94.  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 8: page 4-34](#) |
- 1952 19.382 Additions to the check-list of birds of Grand Canyon National Park, Arizona. *In*: From Field and Study [SECTION]. *The Condor*, 54(5) (September/October): 320.  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 2: page 87](#) | [CITED» GCNHA Monograph 8: page 4-12](#) |
- 1959 19.383 Birds of Havasu Canyon and environs. *In*: Wampler, Joseph, *Havasu Canyon : gem of the Grand Canyon*. Berkeley, California: Howell-North Press [privately published], pp. 34-42.  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 8: page 4-34](#) |
- 1981 19.384 Birds of Havasu Canyon and environs. *In*: Wampler, Joseph, *Havasu, a canyon home*. Berkeley, California: privately published, pp. 34-42.  
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Bryant, Harold C., AND Bryant, Amy M.**

- 1945 19.385 Another nighthawk migration on an Arizona desert. *The Condor*, 47 (November): 268. [In the "same general area" as a former observation (Bryant, 1941, [ITEM NO. 19.374](#)); this along Route 66 between Bellemont and Grand Canyon Junction and north of Grand Canyon Junction.]  
≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 8: page 4-34](#)
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**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.]
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**Bryson, Robert W., Jr.; Montes-Oca, Adrian Nieto de; Jaeger, Jef R.; AND Riddle, Brett R.**

- 2010 19.3348 Elucidation of cryptic diversity in a widespread Nearctic treefrog reveals episodes of mitochondrial gene capture as frogs diversified across a dynamic landscape. *Evolution*, 64(8) (August): 2315-2330. [*Hyla arenicolor*.]
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**Buchheit, Mike**

- 1997 19.386 Condors return to Grand Canyon. *Canyon Views* (Grand Canyon Association), 3(1) (Spring): 6.  
 2020 19.6516 Bighorn family in the canyon. *Canyon Views* (Grand Canyon Conservancy), 27(2) (Fall/Winter): 22. [Photo.]
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**Buck, Kimberly A., AND Clausen, Marc X.**

- NO DATE 19.387 December bird census within the geomorphic reaches and riparian vegetation zones of the Colorado River corridor through the Grand Canyon, December, 1992. *In: Technical reports for Glen Canyon Environmental Studies long-term monitoring program : with accompanying essay* (conducted by Prescott College students, December 4-30, 1992, supervised by Christa Sadler, Andre Potochnik, Julie Munsell). Prescott, Arizona: Prescott College, pp. 2-19. [1993.]
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**Buck, Kimberly A., AND Stevens, Lawrence E.**

- 1994 19.388 Temporal, geomorphic and flow regulation effects on Colorado River waterbird distribution in the Grand Canyon, AZ [ABSTRACT]. *In: Program and Abstracts; Part Two: Abstracts; 79th Annual ESA Meeting, Science and Public Policy, Knoxville, Tennessee, 7-11 August 1994. Ecological Society of America, Bulletin*, 75(2) (Supplement): 27.
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**Buckley, Steve**

- 2004 19.2515 *Mountain lying down : restoration, bioregionalism and the indigenous Kaibab Plateau*. Master's thesis, Northern Arizona University, 122 pp.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**Büdel, Burkhard, AND Wessels, Dirk C. J.**

- 1991 19.389 Rock inhabiting blue-green algae/cyanobacteria from hot arid regions. *Archiv für Hydrobiologie*, Supplementband 92 (Algological Studies 64): 385-398.  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 8: page 4-34](#)

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**Buecher, Debbie C.**

- 2005 19.2581 An acoustic survey for bats along the Colorado River corridor [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.

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**Bulletts, Angela**

- NO DATE 19.5725 *Botany tour : Kaibab Paiutes*. [No imprint], folded brochure. [Front panel notes, "By Angela Bulletts, formerly officer with Kaibab Paiute Tribe, Now District Manager of Phoenix District Office of the BLM"; last panel also notes, "Lee E. Hughes, Retired Ecologist".]

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**Bunch, Aaron J., AND Stewart, Bill**

- 2012 19.4059 Factors influencing rainbow trout spatial distribution patterns in a large regulated river. *In: Wildlife Society, Arizona-New Mexico Chapters Joint Annual Meeting, Fisheries Abstracts*, [unpaginated]. [Lees Ferry fishery.]

**Bunch, Aaron J.; McKinstry, M.; Albrecht, B.; Anderson, M.; Persons, W.; AND Smith, E.**

- 2013 19.4368 A rare find in Grand Canyon—the razorback sucker [ABSTRACT]. *In: 46th Joint Annual Meeting, Arizona/New Mexico Chapters of the Wildlife Society and Arizona/New Mexico Chapter of the American Fisheries Society*, p. 19.

**Bunch, Aaron J.; Stewart, Bill; AND Andrejko, George**

- 2012 19.5198 Tight lines at Lees Ferry; it is hard to believe a place like Lees Ferry exists in Arizona, but this is one of the best blue-ribbon rainbow trout fisheries in the nation. *Arizona Wildlife Views*, (January/February):12-15.

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**Bungart, Peter; Jackson-Kelly, L.; Cannon, C.; AND Jackson, B.**

- 2015 19.4844 Approaches to integrating Hualapai TEK in cultural resources monitoring along the Colorado River in Grand Canyon [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 13. [Traditional ecological knowledge. Principally regarding culturally significant plants.]
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Bunn, Ralph W.**

- 1930 19.4310 Notes on the genus *Aphelonema* Uhler with descriptions of new species (Homoptera, Fulgoridae). *Kansas Entomological Society, Journal*, 3(3) (July): 73-77. [See p. 76, *Aphelonema convergens* var. *canyonensis*, new variety; holotype from "vicinity of Grand Canyon", and some paratypes from "Grand Canyon".]

**Bunn, Windy; Gdula, Eric; AND Kearsley, Michael**

- 2012 19.6533 Using fire progressions and burn severity data to understand and manage contemporary mixed-severity fire regimes [ABSTRACT]. *In: Southwest Fire Science Consortium : Southwest Fire Ecology Conference : "Fire Landscapes, Wildlife and People" : Santa Fe, New Mexico, February 27-March 1, 2012*, p. 88. [Grand Canyon North Rim.]

**Bunting, Erin L.; Munson, Seth M.; AND Bradford, John B.**

- 2019 19.6310 Assessing plant production responses to climate across water-limited regions using Google Earth Engine. *Remote Sensing of Environment*, 233, doi:10.1016/j.rse.2019.111379, 15 pp. [Southwestern U.S. desert areas.]

**Burak, Gale**

- 1990 19.5766 ["Pygmy horses" from Grand Canyon.] *Grand Canyon Pioneers Society* [newsletter], (February): 4-5. [Regarding the so-called "miniature horses" of Havasu Canyon.] [NOTE: This issue predates the enumerated issues of the *Grand Canyon Pioneers Society Newsletter*.]
- 1994 19.390 All about a tree and a pot. *O' Pioneer* (Grand Canyon Pioneers Society), 5(sample): 1, 3. [Ponderosa pine growing in Inner Gorge mentioned.]
- 2000 19.1929 The golden eagle caper. *The Ol' Pioneer* (Grand Canyon Pioneers Society), 11(1) (January/March): 5-6.
- 2001 19.2089 The ravens. *The Ol' Pioneer* (Grand Canyon Pioneers Society), 12(4) (October/December): 9-10.

**Burger, Dustin**

- 2009 19.5107 Cheatgrass treatment after the Warm Fire, North Kaibab Ranger District. *In: Notes from the Field* [SECTION]. *SouthWest Vegetation Management Association*, 5(2) (October): 3.

**Burgess, Edward S.**

- 1897 19.3639 Torrey Botanical Club, October 27, 1897. *Science*, New Series, 6 (December 24): 967-968. [See p. 968, notes regarding a paper presented by John K. Small "On the Genus *Eriogonum* North of Mexico"; specifically, comments on the paper by "Dr. Allen", including, "Dr. Allen spoke of finding two or three species of *Eriogonum* in the

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

Grand Cañon of the Colorado last summer, and described his descent of the cañon by mule trail, and also his journey to California in search of Characeae." (ENTIRE NOTE)]

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**Burgess, Towns, AND Flowers, Jared**

- 2008 19.4276 Towns Burgess and Jared Flowers, MS students. *In*: Colorado River fisheries: Summer field experiences of FAS graduate students. *WaterWorks* (University of Florida, Institute of Food and Agricultural Sciences, Department of Fisheries and Aquatic Sciences), (January): 2-3.

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**Burgoyne, Paul C.**

- 1980 19.391 *Bird population changes and manipulation of a ponderosa pine forest on the Kaibab Plateau, Arizona*. Doctoral dissertation, Brigham Young University, 86 pp.

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**Burk, C. John**

- 1973 19.393 The Kaibab deer incident: A long-persisting myth. *BioScience*, 23(2): 113-114. [See also letter from Joshua Lederberg, 25(1) (January 1975): 8 (ITEM NO. 19.3938).]  
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**Burke, H. E.**

- 1907 19.3653 A new buprestid enemy of *Pinus edulis*. (*Melanophila pini-edulis*, n. sp.) *Entomological Society of Washington, Proceedings* (Washington, D.C.), 9(1/4) (March/December): 117-118. [New species, based in part on "One female taken by Mr. E. A. Schwarz from pinyon (*Pinus edulis*) at Bright Angel Hotel (Grand Canyon P.O.), Arizona, on July 11, 1902." (p. 118)] [*Melanophila piniedulis*.]

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**Burke, Kelly J.**

- 2003 19.2442 Thinking about tamarisk. *Boatman's Quarterly Review*, 16(4) (Winter): 11.

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**Burke, Kelly J.; Harcksen, Kathleen A.; Stevens, Lawrence E.; Andress, Robert J.; AND Johnson, R. J.**

- 2015 19.4794 Collaborative rehabilitation of Pakoon Springs in Grand Canyon-Parashant National Monument, Arizona [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*, p. 174. [Abstract in advance of paper in press in Huenneke, Laura F., Riper, Charles van, III, and Hays-Gilpin, Kelley A. (eds.), *Proceedings of the Eleventh Biennial Conference of Research on the Colorado Plateau*.]
- 2015 19.5115 Collaborative rehabilitation of Pakoon Springs in Grand Canyon-Parashant National Monument, Arizona. *In*: Huenneke, Laura F., Riper, Charles van, III, and Hays-Gilpin, Kelley A. (eds.), *The Colorado Plateau VI : science and management at the landscape scale*. Tucson: University of Arizona Press. (11th Biennial Conference of Research on the Colorado Plateau.)
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Burke, Quentin**

- 1988 19.6468 "‘What’s for Lunch?’ by Quentin Burke demonstrates the advantages of shade over direct sunlight for many subjects in color. This starving deer was looking for a handout along the Kaibab Trail, Grand Canyon, AZ, 1982. The color print pair is mounted in a Q-VU-X Mount as covered in Stereo World, July/August ‘87, page 23. *In*: A Stereo World Color Gallery [SPECIAL SECTION]. *Stereo World*, 15(1) (March/April): 36. [Color stereo pair; front view of mule deer.]

**Burke, Timothy J.**

- 2014 19.4565 Notice of intent to prepare an Environmental Impact Statement for the proposed Uinkaret Mountains Landscape Restoration Project, Arizona Strip, Mohave County, AZ. *Federal Register*, 79(203) (October 21): 62954-62955.
- 2016 19.5120 Notice of termination of Uinkaret Mountains Landscape Restoration Project Environmental Impact Statement, Arizona. *Federal Register*, 81(148) (August 2): 50722-50723.

**Burnett, Howard**

- 1991 19.394 Green island in the sky. *American Forests*, 97 (May/June): 44-47+. [Kaibab National Forest.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-34|

**Burnight, Ron**

- 2013 19.4431 Humor: As sure as death and tax . . . onomy. *Cactus Chatter* (Oregon Cactus and Succulent Society), (September/October): 5. [Includes brief note of observing *Echinocactus anthemoides* var. *xeranthemoides* near Marble Canyon, Arizona.] [Ellipsis is part of title.] [". . . the following article was submitted by Ron Burnight and published in the April, 1994 Cactus Chatter and again in the June, 2007 edition."]

**Burns, Bill**

- 1979 19.3266 . . . and burro control. *In*: Letters [SECTION]. *Backpacker*, 7(2) (April/May) (32): 15, 17. [In response to the article by Lionel A. Atwill, "Up to Our Ears in Asses", 6(4) (28), ITEM NO. 19.2455.] [Ellipsis is part of title.]

**Burrell, Michael**

- 2010 19.3940 Mule deer watch; understanding mule deer migration. *Christensen’s Hunting Illustrated*, (Winter): 108-110. [Kaibab deer noted, p. 109.]

**Burt, Charles E.**

- 1931 19.6624 A study of the teiid lizards of the genus *Cnemidophorus* with special reference to their phylogenetic relationships. *U.S. National Museum, Bulletin 154*, 286 pp. [See

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

*Cnemidophorus sexlineatus perplexus* (Baird and Girard) (pp. 122-140; *C. tessellatus tessellatus* (Say) (pp. 146-199).]

**Busch, Joseph D.; Van Andel, Roger; Cordova, Jennifer; Colman, Rebecca E.; Keim, Paul; Roche, Tonie E.; Leid, Jeff G.; Van Pelt, William E.; AND Wagner, David M.**

2011 19.6404 Population differences in host immune factors may influence survival of Gunnison's prairie dogs (*Cynomys gunnisoni*) during plague outbreaks. *Journal of Wildlife Diseases*, 47(4): 968-973. [Study sites in Aubrey Valley and Seligman, Arizona. Plague, *Yersinia pestis*.]

**Busch, Thyra Robinson**

1997 19.395 DNA researcher takes endangered bird under his wing. *Pine* (Northern Arizona University), (Summer): 6-8. [Paul Keim and southwestern willow flycatcher.]

**Busco, Janice K.**

2012 19.4467 Sentry milkvetch (*Astragalus cremnophylax* var. *cremnophylax*) update. *Calochortiana* (Utah Native Plant Society), (1) (December): 106-109.

**Busco, Janice K.; Douglas, Emily; AND Kapp, Jennifer**

2011 19.4196 Preliminary pollination study on sentry milk-vetch (*Astragalus cremnophylax* Barneby var. *cremnophylax*), Grand Canyon National Park's only Endangered plant species. *The Plant Press* (Arizona Native Plant Society), 35(1) (Summer): 11-13.

**Busek, Josef**

1987 19.6954 *Pediocactus peeblesianus* (Croizat) L. Benson und seine Varietäten—kleine Juwelen aus dem Südwesten der USA. *Kakteen und andere Sukkulente* (Deutsche Kakteen-Gesellschaft; Gesellschaft Österreichischer Kakteenfreunde; Schweizerische Kakteen-Gesellschaft), 38(7) (July): 158-161. [Includes Grand Canyon.]

**Butchart, Harvey [Butchart, J. Harvey]**

1994 19.396 [Letter to Gale Burak regarding packrat theft.] *O' Pioneer* (Grand Canyon Pioneers Society), 5(12): 3.

**Butler, Jay L.; Nyman, Pamela S.; AND Spurgiesz, Michele B.**

1991 19.397 Grand Canyon rodent populations 1990. *In: Colorado River Investigations #9 : July/August, 1990* (supervised by Stanley S. Beus, Lawrence E. Stevens, and Frank B. Lojko). Flagstaff, Arizona: Northern Arizona University, for U.S. National Park Service, Grand Canyon National Park, pp. 77-83.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Butterfield, Bradley J., AND Palmquist, Emily C.**

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

National Park, 169 pp. ("Submitted by: Steven W. Carothers"; "Compiled by the Biology Staff, Harold S. Colton Research Center: G. A. Ruffner, A. M. Phillips, III, S. W. Carothers, N. J. Czaplewski, L. T. Green, N. H. Goldberg, J. M. Downs, H. D. Usher, J. Scott, J. W. Jordan. Edited by: G. A. Ruffner, A. M. Phillips, III, N. H. Goldberg".) (Contract Nos. PX821060722, PX821071444, CX821070015.)

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- 2023 19.6807 Recent colonization of nesting Canada geese (*Branta canadensis*) in Glen and Grand Canyons, AZ / Recientes colonizando de anidando gansos canadienses (*Branta canadensis*) en Glen y Grand Canyons, AZ [ABSTRACT]. *In: SWAN 2023 : 70th Annual Meeting, Southwestern Association of Naturalists, 3-5 August 2023, San Antonio, TX : abstracts book. / 70a Reunión Anual, Southwestern Association of Naturalists, 3-5 de Agosto de 2023, San Antonio, TX : libro de resúmenes*, p. 9. [In English and Spanish.]

**Carpenter, Geoff [Carpenter, Geoffrey C.]**

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**Carpenter, Geoffrey C., AND Holycross, Andrew T.**

- 2018 19.6021 Foreword. *In: Schuett, Gordon W., Smith, Charles F., and Ashley, Bob, Rattlesnakes of the Grand Canyon*. Rodeo, New Mexico: ECO Publishing, p. viii.

**Carpenter, Geoff [Carpenter, Geoffrey C.], AND Painter, Charles**

- 2008 19.2752 Grand Canyon snakes. *Grand Canyon River Runner*, (7) (Fall): 10-12.

**Carpenter, Kevin Joseph**

- 1999 19.3891 *Comparative morphology of disk floret trichomes of Encelia (Asteraceae: Heliantheae)*. Master's thesis, California Polytechnic State University, 33 pp. [Collections include (p. 21) *Encelia resinifera* C. Clark subsp. *resinifera* from "Coconino Co.: Az Hwy 64, 21.4 km W of jct with US Hwy 89 at Cameron. 14 June 1981" and (p. 22) *Encelia resinifera* C. Clark subsp. *tenuifolia* C. Clark from "Mohave Co.: Tuweep Valley, at end of road overlooking canyon (Toroweap Pt.) and in the watercourse below. 17 June 1981" (these pages contain collection data only).]

**Carpenter, Lew**

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- 2004 19.2497 *Biogeography of montane mammals on the Colorado Plateau and adjacent regions.* Doctoral dissertation, University of North Texas, 158 pp.
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**Carr, John N.**

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**Carraway, Leslie N., AND Timm, Robert M.**

- 2000 19.4734 Revision of the extant taxa of the genus *Notiosorex* (Mammalia: Insectivora: Soricidae). *Biological Society of Washington, Proceedings* (Washington, D.C.), 113(1): 302-318.
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

53-63. [See "Insect Infestation in Grand Canyon National Park", p. 56. North Rim and Kaibab National Forest.]

**Carter, Julie M.**

- 2019 19.6272 Improving the status of roundtail chub in Arizona [ABSTRACT]. *In: 15th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region : theme: "Science and Solutions for Conserving the Southwest's Land, Water, Biodiversity and Cultures" : September 9-12, 2019, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, pp. 21-22.

**Cartwright, Jennifer M.; Dwire, Kathleen A.; Freed, Zach; Hammer, Samantha J.; McLaughlin, Balir; Misztal, Louise W.; Schenk, Edward R.; Spence, John R.; Springer, Abraham E.; AND Stevens, Lawrence E.**

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**Casey, Thomas L.**

- 1895 19.4537 Coleopterological notices. VI. *New York Academy of Sciences, Annals*, 8 (July): 435-838. [See pp. 489-490, *Trichochrous incipiens*, new species, based on a single female specimen from "Arizona (near the Grand Cañon of the Colorado). Dr. T. Mitchell Prudden." And see pp. 527-528, *T. reversus*, new species, based on a single female specimen from "Arizona (near the Grand Cañon of the Colorado)", from Dr. T. Mitchell Prudden.]
- 1900 19.3610 Review of the American Corylophidae, Cryptophagidae, Tritomidae and Dermestidae, with other studies. *New York Entomological Society, Journal*, 8(2) (June): 51-172. [Grand Canyon collections noted for: *Cryptorhopalum pruddeni*, new species, p. 156; *Orphilus aequalis*, new species, p. 164.]
- 1907 19.4409 Notes on *Chalcolepidius* and the Zopherini. *Canadian Entomologist*, 39(2) (February): 29-46. [See p. 41, *Zopherodes lugubris*, new species, and *Z. pruddeni*, new species, described from "Arizona (Grand Canyon of the Colorado)"; *Zopherodes* also a new genus in this publication (p. 38).]
- 1908 19.6207 A revision of the tenebrionid subfamily Coniontinæ. *Washington Academy of Sciences, Proceedings* (Washington, D.C.), 10 (April 25): 51-166. [See *Discodemus brevipennis*, new species (p. 61); "Arizona (Grand Canyon of the Colorado),— T. Mitchell Prudden".]
- 1909 19.6208 Studies in the American Buprestidæ. *Washington Academy of Sciences, Proceedings* (Washington, D.C.), 11(2) (April 28): 47-178. [See *Buprestis subornata* Leconte (p. 98); localities include "Arizona (Grand Canyon of the Colorado)".]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 1912 19.3608 Studies in the Longicornia of North America. *In*: Casey, Thomas L., *Memoirs on the Coleoptera. III*. Lancaster, Pennsylvania: New Era Printing Co., pp. 215-386. [Grand Canyon collections noted for: *Prionus spiculosus*, new species, p. 240; *P. angustulus*, new species, p. 241; *P. fissifrons*, new species, p. 243; *P. terminalis*, new species, pp. 243-244; *Stenosphenus pruddeni*, new species, pp. 346-347.]
- 1918 19.3787 A review of the North American Bembidiinae. *In*: Casey, Thomas L., *Memoirs on the Coleoptera. VIII. 1918*. Lancaster, Pennsylvania: New Era Printing Co., pp. 1-223. [See *Bembidion (Cyclolopha) occultum*, new subgenus, new species (p. 144), type specimen from "Grand Cañon of the Colorado", collected by T. Mitchell Prudden.] [A review of the North American Bembidiinae.]

**Castetter, Edward Franklin; Bell, Willis Harvey; AND Grove, Alvin R.**

- 1938 19.4544 Ethnobiological studies in the American Southwest. VI. The early utilization and the distribution of agave in the American Southwest. *University of New Mexico, Bulletin*, (335) (Biological Series, 5(4)), 92 pp.

**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.]

**Caughley, Graeme**

- 1970 19.427 Eruption of ungulate populations, with emphasis on Himalayan thar in New Zealand. *Ecology*, 51: 53-72. [Features a reanalysis of the irruption of the Kaibab Plateau deer population.]  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 8: page 4-13](#) |

**Causey, N. B.**

- 1975 19.428 Desert millipedes (Spirostreptidae, Spirostreptida) of the southwestern United States and adjacent Mexico. *Texas Tech University Museum, Occasional Papers*, (35), 12 pp. [See *Orthoporus ornatus* (Girard) (pp. 5-7), which includes (p. 7) new record, "Coconino Co., floor of the Grand Canyon"; with credit (p. 11), "Fred Wagner made the collection from the floor of the Grand Canyon of the Colorado, which established a new northwestern record". (No further notes pertaining to the Grand Canyon material.)]  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 8: page 4-35](#) |

**Center for Biological Diversity**

- 2015 19.4834 *Before the Secretary of the Interior: Emergency petition to list the Arizona wetsalts tiger beetle (Cicindela haemorrhagica arizonae) and the MacDougal's yellowtops (Flaveria macdougalii) as Endangered or Threatened under the Endangered Species Act*. [No place]: Center for Biological Diversity, [4], 20 pp. [Grand Canyon region. Includes riparian concerns relating to groundwater discharge.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Center for Biological Diversity; Sierra Club, Grand Canyon Chapter; AND Southwest Forest Alliance**

- 2002 19.2367 *Disappearing legacy : destruction of the ponderosa pine ecosystem*. [No place]: Center for Biological Diversity; Grand Canyon Chapter, Sierra Club; and Southwest Forest Alliance, 10 pp.

**Chafin, Tyler K.; Douglas, Marlis R.; Bangs, Max R.; Martin, Bradley T.; Mussmann, Steven M.; AND Douglas, Michael E.**

- 2021 19.6885 Taxonomic uncertainty and the anomaly zone: Phylogenomics disentangle a rapid radiation to resolve contentious species (*Gila robusta* complex) in the Colorado River. *Genome Biology and Evolution*, 13(9), doi:10.1093/gbe/ebab200, 19 pp. + Supplementary Material online (<https://academic.oup.com/gbe/article/13/9/evab200/6357710#supplementary-data>, 10 pp.). [Includes Grand Canyon.]

**Chamberland, Michael**

- 1995 19.429 Cactaceae, Part 2; cactus family; *Echinocactus* Link & Otto. [In: A new flora for Arizona in preparation.] *Arizona-Nevada Academy of Science, Journal*, 29(1): 13-14.
- 1997 19.6554 Systematics of the *Echinocactus polycephalus* complex (Cactaceae). *Systematic Botany*, 22(2) (April/June): 303-313.

**Chamberlin, Ralph V.**

- 1940 19.4341 New American tarantulas of the family Aviculariidae. *University of Utah, Bulletin*, 30(13) (May 6), 39 pp. [See *Aphonopelma behlei*, new species, from Grand Canyon Village (pp. 26-27), and *A. phasmus*, new species, from Phantom Ranch, Grand Canyon (p. 28).]
- 1948 19.4376 On some American spiders of the family Erigonidae. *Entomological Society of America, Annals*, 41(4): 483-562. [Includes *Tapinocyba kesimba*, new species, from V.T. Ranch (VT Ranch), Kaibab Plateau.]

**Chamberlin, Ralph V., AND Ivie, Wilton**

- 1942 19.4378 A hundred new species of American spiders. *University of Utah, Bulletin*, 32(13) (June 30) [Biological Series, 7(1)], 117 pp. [See *Oecobius parvus*, new species, from Virgin River narrows (p. 13); *Neoantistea coconino*, new species, from "Kaibab Forest, Arizona" [coordinates indicate area of South Rim of Grand Canyon] (pp. 28-29, Plate 6, figures 59, 60); *Linyphantes ephedrus*, new species, localities include Virgin River narrows (pp. 46-47, Plate 10, figures 104-107); *Metepeira arizonica*, new species, localities include Virgin River narrows (p. 69, Plate 14, figures 182-184; Plate 15, figures 185-187).]

**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

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

[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.

**Chambers, Carol L.; Hagell, Suzanne; Foster, Jeff; AND McIntire, Angie**

- 2010 19.4708 Developing microsatellites for spotted bats and Bat Blitz in northern Arizona. *WBWG News* (Western Bat Working Group Newsletter), 6(1) (Summer): 9. [Includes brief note of week-long Summer 2005 trip on "Colorado River in northern Arizona" (i.e., Grand Canyon) locating bat roosts and tracking bats.]

**Chambers, Carol L.; Herder, Michael J.; AND Corbett, R. Jason M.**

- 2005 19.2582 Foraging areas for female and male spotted bats (*Euderma maculatum*), northern Arizona [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.

**Chambers, Carol L.; Prather, John; Herder, Michael J.; AND Mikesic, David G.**

- 2007 19.5722 A habitat model for the spotted bat in Arizona [ABSTRACT]. *In: Western Bat Working Group, 2007 Biennial Meeting for the Management of Conservation of Bats, Tucson, Arizona. WBWG News* (Western Bat Working Group Newsletter), 3(1) (Spring): 26.

**Chambers, Jeanne C.; Schupp, Eugene W.; AND Vander Wall, Stephen B.**

- 1999 19.3436 Seed dispersal and seedling establishment of pinon and juniper species within the pinon-juniper woodland. *In: Monsen, Steven B., and Stevens, Richard, Proceedings; Ecology and management of pinyon-juniper communities within the Interior West; September 15-18, 1997, Brigham Young University, Conference Center, Provo, Utah. U.S. Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-9*, pp. 29-34.

**Chandler, Peter**

- 1993 19.5494 The Holarctic species of the *Mycetophila fungorum* (De Geer) group (Diptera: Mycetophilidae). *British Journal of Entomology and Natural History*, 6: 5-11. [See *Mycetophila neofungorum*, new species; "Holotype male USA, Arizona, Grand Canyon National Park (north rim), 15.vii.1954 (W. L. Downes, Natural History Museum, London)." (Brief taxonomic description only. Apparently a unique specimen.)]

**Chandos, A.; Young, K.; O'Neill, M.; Ward, D.; AND Montgomery, W.**

- 2015 19.4845 Swimming performance of juvenile bonytail chub (*Gila elegans*) [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, pp. 16-17.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Chapin, F. Stuart, III; Pickett, S. T. A.; Power, Mary E.; Collins, Scott L.; Baron, Jill S.; Inouye, David W.; AND Turner, Monica G.**

- 2015 19.6677 Earth stewardship: An initiative by the Ecological Society of America to foster engagement to sustain planet Earth. *In*: Rozzi, Ricardo, Chapin, F. Stuart, III, Callicott, J. Baird, Pickett, S. T. A., Power, Mary E., Armesto, Juan J., and May, Roy H., Jr. (eds.), *Earth stewardship : linking ecology and ethics in theory and practice*. Cham, Heidelberg, Dordrecht, London, and New York: Springer International Publishing Switzerland, pp. 173-194. [See "Box 12.1: Examples of Stewardship Applications" (pp. 178-172); specifically, p. 180, "Ranching, Local Ecological Knowledge, and the Stewardship of Public Lands", which notes the Grand Canyon Trust's work on the Kane and Two-Mile Ranches.]

**Chapman, Arthur**

- 1925 19.3482 How a cowboy-aviator hunts wild horses; the world's most thrilling sport found in ridding western grazing land of a million outlaw animals—adventures of a famous buckaroo. *Popular Science Monthly*, 107(5) (November): 16-17, 163-165. [Western Arizona Strip; herding with low-flying aircraft.]

**Chapman, Frank M.**

- 1903 19.430 Notes from field and study: the A.O.U. trip to California. *Bird-Lore*, 5: 99-100.  
 ≡ [CROSS-LISTINGS](#) [CITED» [GCNHA Monograph 8: page 4-35](#)]
- 1907 19.3549 *The warblers of North America*. New York: D. Appleton and Co., 306+ pp., 24 plates. [See "Grace's Warbler. *Dendroic graciae graciae* Baird", pp. 185-187, Plate 13; specifically p. 186: "If the spring or summer visitor to the Grand Cañon will explore the neighboring yellow pine forests he will find Grace's Warbler a not uncommon inhabitant of tree-tops, so high that no small amount of looking will be required to complete a satisfactory identification." (ENTIRE NOTE)]

**Chart, Thomas E., AND Stahli, Julie W.**

- 2019 19.6273 Proposed changes in endangered species classification of two Colorado River fish: part I—U.S. Fish and Wildlife Service proposes downlisting the humpback chub (*Gila cypha*) [ABSTRACT]. *In*: *15th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region : theme: "Science and Solutions for Conserving the Southwest's Land, Water, Biodiversity and Cultures" : September 9-12, 2019, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, p. 23. [For Part II see Stahli and Chart (2019, [ITEM NO. 19.6274](#)); Part III, see Chart and Stahli (2019, [ITEM NO. 19.6275](#)).]
- 2019 19.6275 Proposed changes in endangered species classification of two Colorado River fish: part III—question and answer session [ABSTRACT]. *In*: *15th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region : theme: "Science and Solutions for Conserving the Southwest's Land, Water, Biodiversity and Cultures" : September 9-12, 2019, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, p. 24. [For Part I see Chart and Stahli (2019, [ITEM NO. 19.6273](#)); Part II, see Stahli and Chart (2019, [ITEM NO. 19.6274](#)).]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Chase, Loren, AND Rabe, Michael J.**

- 2015 19.5185 Reducing lead on the landscape: Anticipating hunter behavior in absence of a free nonlead ammunition program. *PLoS One*, 10(6): e0128355, doi:10.1371/journal.pone.0128355, 12 pp. [Regarding California condors in northern Arizona.]

**Chavez, J. L., AND Stevens, Lawrence E.**

- 2015 19.4845 Assassin bug (Hemiptera: Reduviidae) diversity and biogeography in the Colorado River Basin, with an emphasis on the Colorado Plateau ecoregion, southwest USA [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 18.

**Chávez Hernández, María Guadalupe, AND Alvarado Cárdenas, Leonardo O.**

- 2020 19.6659 Efemérides [COLUMN]. *Macpalcóchitl* (Sociedad Botánica de México), 2020(12) (December): 26-40. [Under "20 de diciembre", see "1870. Nace Rose Eudora Collom (20 diciembre 1870-26 diciembre 1956)" (p. 36). Superficially brief note of Collom, mentioning her Grand Canyon work; with web link to Wikipedia.]

**Chen, Chang**

- 1999 19.5248 *Genetical and molecular systematic study on the genus Montagnea Fr., a desert adapted Gasteromycete*. Master's thesis, Virginia Polytechnic Institute and State University, 74 pp. [Specimens examined for the study include *Montagnea arenaria* (DC) Zeller, with included material from "Coconino County, Jacob Lake, House Rock Valley, July 26, 1955, Coll. H. E. Ahles. HEA9515 (MICH)" (p. 14). Locality data thus.]

**Chen, Zhong; Clancy, Karen M.; AND Kolb, Thomas E.**

- 2003 19.2855 Variation in budburst phenology of Douglas-fir related to western spruce budworm (Lepidoptera: Tortricidae) fitness. *Journal of Economic Entomology*, 96(2): 377-387.

**Chen, Zhong; Kolb, Thomas E.; Clancy, Karen M.; Hipkins, Valerie D.; AND DeWald, Laura E.**

- 2001 19.2905 Allozyme variation in interior Douglas-fir: association with growth and resistance to western spruce budworm herbivory. *Canadian Journal of Forest Research*, 31(1): 1691-1700. [Includes trees from near Jacob Lake, Arizona.]

**Cheng, Kuroda [黒田長禮]**

- 1933 19.5820 歐米に於ける博物館と動物園(一) [Ōbei ni okeru hakubutsukan to dōbu~tsuen (ichi)] [Museums and zoos in western countries (1)]. 日本鳥学会誌 [Nihonchōgakkai-shi] [*Japanese Journal of Ornithology (Tokyo)*], 8 [1933-1935] (36): 36-63. [First report of a 1928 trip to America and Europe visiting museums and zoological gardens, with the focus on birds (this first installment also includes the trip



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

from Japan to America by way of Hawaii). Visit to Grand Canyon, see pp. 51-53 (birding notes are cursory).] [In Japanese.]

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**Chesher, Greer K.**

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| 1995 | 19.431 | A fed deer is a dead deer; talking to the public about wildlife reductions. <i>Nature Notes</i> (Grand Canyon National Park), 11(1): 5-6. |
| 1996 | 19.432 | Fear of flying: Local resistance keeps condors behind bars. <i>High Country News</i> , 28(14) (August 5): 3.                              |
| 1996 | 19.433 | Up in the sky! <i>Cañon Journal</i> , 2(2): 59-64. [Condors.]   |
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**Cheslak, Edward, AND Carpenter, Jeanette**

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| 1990 | 19.5356 | <i>Compilation report on the effects of reservoir releases on downstream ecosystems.</i> (Sharon G. Campbell, ed.) Denver: U.S. Bureau of Reclamation, 107 pp. (REC-ERC-90-1.) [See "Lower Colorado Region" (pp. 61-67), which is the hydrological Lower Colorado River Basin that includes Grand Canyon as well as the region of the lower Colorado to Mexico.] [This is principally a selected bibliography on water quality and aquatic ecology.] |
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**Chesley, John; Reinthal, Peter; Corley, Tim; Parrish, Chris** [Parish, Christopher N.]; **AND Ruiz, Joaquin**

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| 2005 | 19.2584 | Radioisotopic analyses of potential sources of lead contamination in California condors [ABSTRACT]. <i>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)</i> , p. 35. |
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**Chesley, John; Reinthal, Peter; Parish, Chris** [Parish, Christopher N.]; **Sullivan, Kathy; AND Sieg, Ron**

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| 2009 | 19.5361 | Evidence for the source of lead contamination within the California condor. <i>In: Watson, R. T., Fuller, M., Pokras, M., and Hunt, W. G. (eds.), Proceedings of the conference : Ingestion of Spent Lead Ammunition : Implications for Wildlife and Humans : 12-15 May 2008, Boise State University, Idaho, United States of America.</i> Boise, Idaho: The Peregrine Fund. |
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**Chew, Matthew K.**

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| 2009 | 19.3611 | The monsterring of tamarisk: How scientists made a plant into a problem. <i>Journal of the History of Biology</i> , 42: 231-266. |
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**Childres, Hampton; Valle, Cynthia M.; Tobin, Benjamin W.; Hoffman, Claire; Gandee, Michele N.; AND Schenk, Edward R.**

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| 2015 | 19.4811 | An assessment on the impact of flow and thermal regime changes on hydrologic and aquatic resources using PHABSIM and temperature modeling—Bright Angel Creek and Indian Garden Creek, Grand Canyon National Park [ABSTRACT]. <i>Geological Society of America, Abstracts with Programs</i> , 47(7): 263. [PHABSIM: Physical Habitat Simulation System.] |
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**Childs, Craig**

- 2001 19.2170 The rise and fall of a desert stream. *High Country News*, 33(17) (September 10): 1, 8-10. [See p. 9, Grand Canyon fishes.]
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**Childs, Michael R. [Childs, Mike]**

- 2005 19.2850 *Humpback chub hatchery evaluation : prospective refuge facilities*. Phoenix: Research Branch, Arizona Game and Fish Department, 58 pp.

**Childs, Michael R., AND Clarkson, Robert W.**

- 1996 19.434 Temperature effects on swimming performance of larval and juvenile Colorado River squawfish: implications for survival and species recovery. *American Fisheries Society, Transactions*, 125: 940-947.

**Childs, Michael R.; Clarkson, Robert W.; AND Robinson, Anthony T.**

- 1998 19.435 Resource use by larval and early juvenile native fishes in the Little Colorado River, Grand Canyon, Arizona. *American Fisheries Society, Transactions*, 127(4) (July): 620-629.
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**Chmielewski, Jerry G.**

- 2008 19.6250 Chromosome numbers for southwestern North American species of *Antennaria* (Asteraceae: Gnaphalieae). *Botanical Research Institute of Texas, Journal*, 2(1): 487-488. [Includes *Antennaria parvifolia* Nutt., specimens include "Kaibab Plateau, AZ 67, just S of Jacob Lake, Ch3157", and *A. rosea* Greene, "Kaibab Plateau, US 67, S of Jacob Lake, vicinity of Kaibab Lodge, Ch3160 (red form), Ch3161 (white form); S of Kaibab Lodge, Ch3163".]
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**Chojnacky, David C.**

- 1996 19.5981 Estimating diameter growth for pinyon and juniper trees in Arizona and New Mexico. *U.S. Forest Service, Intermountain Research Station, Research Note INT-RN-429*, 6 pp.

**Chojnacky, David C., AND Ott, J. S.**

- 1986 19.436 Pinyon-juniper volume equations for Arizona Hualapai and Havasupai Indian Reservations. *U.S. Forest Service, Intermountain Research Station, Research Note INT-363*, 4 pp.
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**Cholewa, Anita F.**

- 1992 19.437 Primulaceae; primrose family. *In*: Vascular Plants of Arizona Editorial Committee, A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 26(1): 17-21.  
≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-35|

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Cholewa, Anita F., AND Henderson, Douglass M.**

- 1994 19.438 Iridaceae; iris family. [In: A new flora for Arizona in preparation.] *Arizona-Nevada Academy of Science, Journal*, 27(2): 215-218.
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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<sup>78</sup> For other publications (non-botanical) by Jotter, see under **Cutter, Lois Jotter** within other parts of this bibliography. Also, digital users may also search for "Lois Jotter Cutter" for other citations that take note of this woman.

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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- 1930 19.490 Dining solitaire. *Grand Canyon Nature Notes*, 4(11) (September 30): 77-78. [Rock squirrels.]  
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

rim of the Grand Canyon, 7,000 feet, Arizona.” (ENTIRE NOTE) (Type material from New Mexico and Texas.)]

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**Dyer, Christine**

- 2022 19.6724 Female leaders in botanical discovery: Past and present. *Boatman's Quarterly Review*, 35(3) (Fall): 10-13. [NOTE: The photo on p. 10, “Elzada Clover and Lois Jotter Cutter sit next to each other looking at a book” actually depicts a mirror. Also, at that time Lois Jotter was not yet married.]

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**Dyke, F. G. van; Brooke, R. H.; AND Shaw, H. G.**

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**Dzul, Maria C., AND Yackulic, Charles B.**

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- 2018 19.5744 Abundance and growth of age 0 humpback chub in the Little Colorado River, AZ [ABSTRACT]. *From: Fisheries Abstracts Oral Presentation [SECTION]. In: 51st Joint Annual Meeting, Arizona and New Mexico Chapters of The Wildlife Society and Arizona/New Mexico Chapter of The American Fisheries Society, February 1-3, 2018, Little America, Flagstaff, Arizona*, pp. 29-30. [NOTE: Each abstract section in this program erroneously begins with p. 27.]
- 2022 19.6828 Effects of flow, sediment, and non-native fishes on age-0 population dynamics of humpback chub in the lower Little Colorado River [ABSTRACT]. *In: 16th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 12-15, 2022, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, pp. 46-47.

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**Dzul, Maria C.; Yackulic, Charles B.; AND Korman, Josh**

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

*Southwest Region, September 11-14, 2017, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona.* [No imprint], p. 51. [Colorado River and Little Colorado River.]

- 2017 19.5880 Estimating disperser abundance using open population models that incorporate data from continuous detection passive integrated transponder arrays. *Canadian Journal of Fisheries and Aquatic Sciences*, doi:10.1139/cjfas-2017-0304 + Supplemental data online. [Humpback chub in Little Colorado River and Colorado River in Grand Canyon.]

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- 2014 19.4654 Survival, growth, and movement of subadult humpback chub, *Gila cypha*, in the Little Colorado River, Arizona. *River Research and Applications*, doi:10.1002/rra.2864.

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- 2019 19.6278 Environmental drivers of humpback chub population dynamics in the Colorado River and Little Colorado River [ABSTRACT]. *In: 15th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region : theme: "Science and Solutions for Conserving the Southwest's Land, Water, Biodiversity and Cultures" : September 9-12, 2019, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, pp. 35-36.

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- 2014 19.4886 *Mercury in fish from national parks across the western U.S. and Alaska.* [No place]: U.S. Geological Survey, 4 pp. (April 2014.) [Fact sheet.]

**Eastwood, Alice**

- 1902 19.3573 New western plants. *Torrey Botanical Club, Bulletin*, 29(8) (August): 523-525. [Under "New Species from Colorado and Utah", see *Corydalis wetherillii*, "collected near Bright Angel Creek, one of the branches of the Colorado River which comes into the river nearly opposite Hans' Trail" [*sic*, Hance Trail], collected by Alfred Wetherill in 1897.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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- 1916 19.3223 The trees and shrubs of the Grand Canyon of the Colorado [ABSTRACT]. *In*: The Ecological Society of America [SECTION]. *Science, New Series*, 44 (November 24) (1143): 759.
- 1918 19.5130 Department of Botany. *From*: Departmental Reports [SECTION]. *In*: Grunsky, C. E., Report of the President of the Academy for the year 1917. *California Academy of Sciences, Proceedings, Series 4*, 7(12/13): 347-349. [See p. 348, brief note of a collecting trip in April to Grand Canyon and elsewhere in Arizona. "[The specimens] will form the basis of a paper on the flora of the Grand Canyon which I hope to prepare." (ENTIRE NOTE)]
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- 1937 19.4382 New species of western plants. *Leaflets of Western Botany*, 2(1) (January): 7-9. [See p. 9, *Oreocarya capitata*, new species; type locality Hermit Trail, Grand Canyon. Also notes herbarium specimens from earlier gatherings by the author, from Hermit Trail and "on the Kaibab Trail to Roaring Springs".]

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- 2001 19.4083 *Evaluating options for revegetation following a catastrophic fire in a pinyon-juniper community at Grand Canyon Parashant National Monument, on the Arizona Strip of Mohave County, Arizona*. [No place]: Western Ecological Research Center, for U.S. Bureau of Land Management, Arizona Strip District, St. George, Utah.
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- 2021 19.6633 Authoring consistent landscapes with flora and fauna. *ACM Transactions on Graphics* (Association for Computing Machinery), 40(4): Article 105, 13 pp. [Employs Grand Canyon digital elevation model.]
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- 1940 19.4821 Trout fishing in the Grand Canyon. *Arizona Highways*, 16(8) (August): 37.
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**Edwards, Pamela**

- 2020 19.6441 Restoring ecosystems through fire management. *Canyon Views* (Grand Canyon Conservancy), 27(1) (Spring/Summer): 26-27.
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**Egerton, Frank N.**

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Eginoire, Stephen**

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**Eisenberg, Beth, AND Watters, Kate**

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**Ellenwood, James R.**

- 1994 19.3663 Monitoring long-term change of vegetation with historical inventories on the Kaibab National Forest. *In*: Greer, Jerry Dean (ed.), *Remote sensing and ecosystem management : proceedings of the Fifth Forest Service Remote Sensing Applications Conference, Portland, Oregon, 11-15 April 1994.* Sponsored by: United States Department of Agriculture, Forest Service, Society of American Foresters, Remote Sensing Working Group. [No imprint], pp. 144-150.
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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- 2002 19.2272 Spatial correlations of *Diceroprocta apache* and its host plants: Evidence for a negative impact from *Tamarix* invasion. *Ecological Entomology*, 27(1) (February): 16-24.
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**Ellis, Don E.**

- 1946 19.5143 Anthracnose of dwarf mistletoe caused by a new species of *Septogloeum*. *Elisha Mitchell Scientific Society, Journal*, (June): 25-50, Plates 4-6. [*Septogloeum gillii*, new species. Host species in Grand Canyon noted: *Arceuthobium campylopodium* f. *abietinum* (Engelmann) Gill (p. 30), *A. c. f. divaricatum* (Engelmann) Gill (p. 31), *A. c. f. microcarpum* (Engelmann) Gill (p. 31).]
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**Ellis, J. B., AND Everhart, B. M.**

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**Elmore, Francis H., AND Janish, Jeanne R.**

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**Elwell, Leah**

- 2015 19.4653 One more level of protection—clean, drain and dry. *Boatman's Quarterly Review*, 28(1) (Winter 2014-2015 [*sic*, Spring 2015]): 7-9. [Remedial efforts to prevent transfer of invasive quagga mussels.]

**Ember, Kathi**

- 1991 19.3268 Signpost. *Backpacker*, 19(3) (May) (106): 16. [See "Save the chub!" (humpback chub).]

**Embrey, Teague M.**

- 2015 19.6555 Noteworthy collection; Arizona; *Rosa stellata* Wooton subsp. *abyssa* A. M. Phillips (Rosaceae). *Madroño*, 62(3) (July/September): 182-183. [Reports this plant from Cave Canyon (Vulture Canyon), Grand Canyon National Park, 65 km southwest of the type locality at Twin Point, Shivwits Plateau (see Phillips, 1992, [ITEM NO. 19.1310](#)), whereas the nearest prior gatherings other than the type were no closer than 205 km to the east, and farther east.]

**Embrey, Teague M.; Curtis, Joslyn; Henke, Shannon E.; Edwards, Karin J.; Prengaman, Kathryn A.; Schmid, Sarah M.; AND Abella, Scott R.**

- 2012 19.3709 Thirty new localities for *Eriogonum jonesii*. *Canotia*, 8(2): 59-64.

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**Embry, Robert S., AND Gottfried, Gerald J.**

- 1971 19.3666 Basal area growth of Arizona mixed conifer species. *U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, Research Note RM-198*, 3 pp. [See p. 1, note 2: "On the Kaibab Plateau, corkbark fir is replaced by subalpine fir (*Abies lasiocarpa* var. *lasiocarpa* (Hook.) Nutt.)" (ENTIRE NOTE)]
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**Emery, William H. P.**

- 1957 19.2094 A cyto-taxonomic study of *Setaria macrostachya* (Gramineae) and its relatives in the southwestern United States and Mexico. *Torrey Botanical Club, Bulletin*, 84(2) (March/April): 94-105.
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**Emmel, Thomas C.**

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- 1987 19.4008 The John Adams Comstock Award, 1987; the man we honor, John S. Garth. *News of the Lepidopterists' Society*, (6) (November/December): 77-78, 80. [See p. 78, notice of Garth's work at Grand Canyon National Park, beginning 1946.]

**Emmel, Thomas C., AND Emmel, John F.**

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**Encyclopedia Britannica Educational Corporation**

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 ≡ CROSS-LISTINGS [CITED» GCNHA Monograph 8: page 4-36]
- 1984 19.590 *The living canyon : ecology, plants and animals*. Chicago: Encyclopedia Britannica Educational Corp., 75-frame color filmstrip with audio cassette. (Learning From Our National Parks—The Grand Canyon Series.)  
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Endangered Species Coalition**

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**Endicott, Charles A.**

- 1978 19.3255 [Letter.] *From:* Bullets for Burros? *In:* Letters [SECTION]. *Backpacker*, 6(6) (December 1978/January 1979) (30): 9. [In response to the article by Lionel A. Atwill, "Up to Our Ears in Asses", 6(4) (28), [ITEM NO. 19.2455](#).]
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**Engel, E. Cayenne, AND Abella, Scott R.**

- 2010 19.4299 Trying to beat the brome: understanding establishment thresholds and choosing competitive native species at Parashant National Monument. *Mojave Applied Ecology Notes* (University of Nevada at Las Vegas, Applied Ecology Research Group), 3(4) (Winter): 3, 7. [Grand Canyon-Parashant National Monument.]
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**Engel, James M.**

- 1978 19.591 Management of endangered coolwater fishes. *In:* Kendall, Robert L. (ed.), Selected coolwater fishes of North America; proceedings of a symposium held in St. Paul, Minnesota, March 7-9, 1978. *American Fisheries Society, Special Publication 11*, pp. 159-160.
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**Engelhard, Michael**

- 2010 19.3029 The ear is an eye. *Sojourns* (Plateau, Peaks and Canyons Association), 5(1) (Winter/Spring): 18-21. [Includes note, *in passing*, of audio recording relict leopard frogs at Grand Canyon's West Rim, and Grand Canyon National Park's Natural Sounds Program, p. 21.]
- 2010 19.3249 Troubled waters; the fate of the southwestern willow flycatcher is intimately linked to the health of the Grand Canyon. *National Parks*, 84(2) (Spring): 26-27.
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**Engelhard, Michael, AND Kaspar, Thomas**

- 2008 19.2745 Butterflies. *In:* 3 poached treasures. *Backpacker*, 37(6) (August): 50. [Includes note of *Papilio indra kaibabensis* swallowtail butterfly, rare species from Grand Canyon sought by poachers. Text and photo credits noted in binding margin of page.]
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**Engelhardt, George P.**

- 1917 19.3317 Grand Canyon notes. *Copeia*, (39) (January 24): 5-7. [Notes from a trip into Grand Canyon on Bright Angel Trail, principally at Indian Garden; on lizards, frogs and tadpoles.]
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**England, A. S., AND Laudenslayer, W. F., Jr.**

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**England, John L.**

1992 19.593 Endangered and threatened wildlife and plants; Final Rule to list the Kanab ambersnail as endangered. *Federal Register*, 57(75) (April 17): 13657-13661. [See also correction by Blanchard (1992, ITEM NO. 19.271).]

1995 19.2241 *Kanab ambersnail (Oxyloma haydeni kanabensis) recovery plan*. U.S. Fish and Wildlife Service, Region 6/Region 2, 21 pp.

**England, John L., AND Chu, Nancy**

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**English, Heather E.; Graber, Allen E.; Stump, Shaylon D.; Telle, Hannah E.; AND Ellis, Lisa A.**

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**English, Jeff**

1993 19.4529 Lees Ferry. *In*: Tapply, William G., and Montgomery, Tom, *The Compleat Guide to Winter Trout* [FEATURE]. *Field and Stream*, 97 (January):.

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**EnviroPlan Partners, LLC, AND Fred Phillips Consulting**

2022 19.6777 *Navajo Nation integrated weed management plan*. Flagstaff, Arizona, and Denver: EnviroPlan Partners, LLC, and Flagstaff, Arizona: Fred Phillips Consulting, for U.S. Bureau of Indian Affairs, Navajo Region, SEPARATELY PAGINATED SECTIONS [297 pp. total]. [Project area includes Western Navajo Agency.]

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**Eppehimer, Drew, AND Yackulic, Charles**

2024 19.6999 Modeling impacts of different reservoir management scenarios on smallmouth bass (*Micropterus dolomieu*) entrainment and population growth rates. *In*: Yackulic, Charles B., et al., *Modeling the impacts of Glen Canyon Dam operations on Colorado River resources : prepared in cooperation with the U.S. Geological Survey as part of Interagency Agreement R24PG00010 (USBR)—NEPA Modeling Project*. Flagstaff, Arizona: U.S. Geological Survey, Southwest Biological Science Center, Grand Canyon Monitoring and Research Center, pp. 72-83. [NEPA: National Environmental Policy Act.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Eppehimer, D. E.; Yackulic, C. B.; Bruckerhoff, L. A.; Wang, J.; Young, K. L.; Bestgen, K. R.; AND Schmidt, J. C.**

- 2022 19.6829 Forecasting the potential of smallmouth bass invasion in the Grand Canyon and designing responses [ABSTRACT]. *In: 16th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 12-15, 2022, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, pp. 50-51.

**Epple, Anne Orth, AND Epple, Lewis E.**

- 1995 19.594 *A field guide to the plants of Arizona*. Helena, Montana: Falcon Press, 347 pp.

**Epps, Clinton W.; Holton, P. Brandon; Monello, Ryan J.; Crowhurst, Rachel S.; Gaulke, Sarah M.; Janousek, William M.; Creech, Tyler G.; AND Graves, Tabitha A.**

- 2024 19.6894 Population and spatial dynamics of desert bighorn sheep in Grand Canyon during an outbreak of respiratory pneumonia. *Frontiers in Ecology and Evolution*, 12: (1377214), doi: 10.3389/fevo2024.1377214, 22 pp. + Supplementary Material online, 24 pp.

**Erickson, Chris C.; Waring, Kristen M.; AND Ohlemuller, Ralf**

- 2014 19.4119 Old *Pinus ponderosa* growth responses to restoration treatments, climate and drought in a southwestern US landscape. *Applied Vegetation Science*, 17(1) (January): 97-108. [Northwestern Arizona.]

**Escamilla, Sasha**

- 2021 19.6678 Sentry milk-vetch: Emerging threats and new discoveries. *Canyon Views* (Grand Canyon Conservancy), 28(2) (Fall/Winter): 10-13. [*Astragalus cremnophylax* var. *cremnophylax*.] [Article further includes investigations of habitat degradation caused by bison on the North Rim.]

**ESL Incorporated**

- 1981 19.4637 *NASA/BLM Applications Pilot Test (APT) : Phase II Final Report*. Sunnyvale, California: ESL Incorporated, Electromagnetic Systems Labs, 3 volumes, separately paginated [86, 471, 135 pp. total]. (NASA Contract NAS9-15740.) [U.S. National Aeronautics and Space Administration; U.S. Bureau of Land Management.] [Arizona Strip. "The second (Arizona) phase of the APT program has included both vegetation cover mapping and range, woodland, and forest production estimation"; a "demonstration of the integration of remote sensing technology with existing techniques for producing a vegetation type map and vegetation productivity estimates." (Volume I, pp. 2, 3).] [*Volume I: Executive Summary* (N82-24532). *Volume II: Technology Demonstration* (N82-24533). *Volume III: Technology Transfer* (N82-24534).]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Esslinger, Theodore L.**

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**Evans, Alexander W.**

- 1917 19.3353 Preliminary list of Arizona Hepaticae. *The Bryologist*, 20(4) (July): 60-62. [See listing of occurrences, p. 60, *Targionia hypophylla* L. from Bright Angel Trail, and p. 61, *Asterella californica* (Hampe) Underw. from Bright Angel Trail.]
- 1920 19.6209 The North American species of *Asterella*. *U.S. National Herbarium, Contributions*, 20(8): 247-312. [See *Asterella californica* (Hampe) Underw. (pp. 280-283). Specimens examined include: "Arizona: Bright Angel Trail, bottom of Grand Canyon, 1913, *Nichols* (Y.; listed by the writer, somewhat doubtfully, in *Bryologist* 20: 61 1917 [*i.e.* Evans (1917, [ITEM NO.](#) 19.3353)]."

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- 1979 19.595 Discussion [of "Fluvial adjustments to the spread of tamarisk in the Colorado Plateau region" (Graf, 1978).] *Geological Society of America, Bulletin*, Part 1, 90: 1183. [See also reply by Graf, 1183-1184.]  
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- 2015 19.4852 Dam-induced changes to riparian ecosystems and associated traditional cultural values: results of a pilot study downstream of Glen Canyon Dam, Arizona [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, pp. 27-28.

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- 1990 19.597 Biological evaluation of pest conditions and potential hazard trees in two campgrounds on the Kaibab National Forest, Arizona. Albuquerque: U.S. Forest Service, Southwestern Region, State and Private Forestry, *Forest Pest Management, Forest Pest Management Report R-3 90-3*, 8 pp.

### Fairweather, Mary Lou; McMillin, Joel; Rogers, Terry; Conklin, Dave; AND Fitzgibbon, Bobbe

- 2006 19.5174 Field guide to insects and diseases of Arizona and New Mexico forests. U.S. Forest Service, Southwestern Region, *Management Report MR-R3-16-3*, 271 pp.
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### Fall, H. C.

- 1905 19.3601 Revision of the Ptinidae of boreal America. *American Entomological Society, Transactions*, 31(2/3): 97-296, Plate 7. [See p. 217, *P. bistriatum* var. *arizonense*, new variety; p. 236, *C. grande*, new species; p. 244, *C. longulum*, new species; p. 250, *C. pingue*, new species; all including Grand Canyon.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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- 1910 19.3602 Miscellaneous notes and descriptions of North American Coleoptera. *American Entomological Society, Transactions*, 36(2): 89-197. [See p. 177, *Bruchus perplexus*, new species; including Grand Canyon.]
- 1912 19.3599 A review of the North American species of *Collops* (Col.). *New York Entomological Society, Journal*, 20(4) (December): 249-274. [See pp. 263-264, *C. bipunctatus* Say.]
- 1915 19.3391 A revision of the North American species of *Pachybrachys*. *American Entomological Society, Transactions*, 41(3) (September): 291-486. [See pp. 344-345, *P. arizonensis* Bowdich; pp. 447-449, *P. bivittatus* Say.]

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- 2019 19.6782 Diary of a field trip: Condors released to the wild. *Desert Rivers Audubon* (Desert Rivers Audubon Society, Chandler, Arizona), (Fall): 13. [Vermilion Cliffs; release September 28.]

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- 2001 19.6809 Third place, miscellaneous. *In*: First annual photo contest (correction). *Fire Management Today* (U.S. Forest Service), 61(4) (Fall): 49. [Photo. "Historic fire lookout tree on Lindberg Hill, North Rim, Grand Canyon National Park, AZ." View looking up ladder.]

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- 2016 19.6022 Species accounts; *Crotalus abyssus* (Grand Canyon rattlesnake). *In*: Schuett, Gordon W., Feldner, Martin J., Smith, Charles F., and Reisener, Randall S. (eds.) *Rattlesnakes of Arizona : Volume 1: Species accounts and natural history.* Rodeo, New Mexico: ECO Publishing, pp. 45-108.
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- 2005 19.4779 Annotated species list of birds of the Colorado River corridor in the Grand Canyon: 1993-1995. *In*: Riper, Charles van, III, and Mattson, David J. (eds.), *Colorado Plateau II : biophysical, socioeconomic, and cultural research.* Tucson: University of Arizona Press. (7th Biennial Conference of Research on the Colorado Plateau, 2003, Northern Arizona University.)
- 2015 19.4759 Comparison of techniques for monitoring riparian birds 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. 29-30.
- 2015 19.4780 Annotated species list of birds of the Colorado River corridor in the Grand Canyon: 1993-1995 [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*, p. 95.
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**Ferguson, Charles W., Jr., AND Black, Donald M.**

- 1952 19.2390 Tree-ring chronologies on the North Rim of the Grand Canyon. *Tree-Ring Bulletin*, 19(2) (October): 12-18.

**Ferguson, Charles W., AND Humphrey, R. R.**

- 1959 19.2189 Growth rings of sagebrush reveal rainfall records. *Progressive Agriculture in Arizona* (University of Arizona, College of Agriculture), 11(2) (Summer): cover, 3.
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- 2014 19.5460 University of Arizona Herbarium (ARIZ) Tucson; half a million specimens and a century of research, service, and research in plant and fungal biodiversity. *The Plant Press* (Arizona Native Plant Society), 37(1) (Summer): 10-13.
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- 1931 19.6139 The sucking lice. *Pacific Coast Entomological Society, Memoir 1*, 320 pp. [See p. 109, *Enderleinellus longiceps* Kellogg and Ferris; host and distribution notes include "from *Sciurus kaibabensis* from the Kaibab National Forest, Arizona" (ENTIRE NOTE)]
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**Ferris, Roxana Stinchfield**

- 1918 19.3631 Taxonomy and distribution of *Adenostegia*. *Torrey Botanical Club, Bulletin*, 45(10) (October): 299-423. [See *A. parviflora*, new species, p. 409; type locality given as "Grand Canyon of the Colorado River, near the San Francisco Mountains, Arizona".]
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**Ferriss, James H.**

- 1910 19.600 A collecting excursion north of the Grand Canyon of the Colorado. *The Nautilus* (Philadelphia), 23(9): 109-112. [Mollusks. Excerpts from a letter to Henry A. Pilsbry, with an unsigned introductory paragraph by Pilsbry.]

≡ CROSS-LISTINGS [CITED» GCNHA Monograph 8: page 4-36]



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-36|
- 1917 19.5571 A shell hunt in the Black Range, with description of a new *Oreohelix*. *The Nautilus* (Philadelphia), 30(9) (January): 99-103. [Regarding malacological field work in New Mexico; but see remark on p. 102, pertaining to a locale on "Mineral Creek, five miles above Chloride": "We ate our lunch at a maiden-hair spring, picking shells and water cress during the process. The fern (*Adiantum capillusveneris*) had pinnae an inch wide, a form that has been wrongfully catalogued from the Grand Canyon of Arizona as *A. tenerum*, the Florida species." (ENTIRE NOTE)]
- 1918 19.602 Camping in the sierras and the desert. *The Nautilus* (Philadelphia), 22(1) (July): 3-9, Plate 1 [frontispiece]. [Grand Canyon, see pp. 3, 8-9.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-36|
- 1920 19.603 The Navajo Nation. *The Nautilus* (Philadelphia), 33(4): 109-111, 34(1) (July): 1-13, frontispiece. [Mollusks.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-36|
- 1976 19.604 The Navajo Nation. *In*: Abbott, R. Tucker (ed.), *The best of The Nautilus : a bicentennial anthology of American conchology*. Greenville, Delaware: American Malacologists, pp. 106-118. [Text of 1920 paper (ITEM NO. 19.603), reset and headed erroneously with the masthead just for *Nautilus* issue 34(1), and without the frontispiece photo of Navajo Mountain that accompanied 34(1).] [Mollusks.]  
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- 2008 19.3435 *Vascular plant flora of Pipe Spring National Monument: 2008 update*. Kanab, Utah: Moenave Botanical Consulting, 15 pp.
- 2010 19.6540 *Annotated vascular plant database : Grand Canyon-Parashant National Monument: Phase I report*. (Colorado Plateau Cooperative Ecosystems Studies Unit, Agreement H1200-09-0005.) [For Phase II, and remarks on Phase I, see Hildebrand and Fertig (2012, ITEM NO. 19.6539).]
- 2014 19.5721 New Records for the flora of Arizona. *Canotia*, 10: 35-37. [See p. 35, notice that *Juncus bryoides* F. J. Hermann may occur in specific habitats on the Arizona Strip.]

**Fertig, Walter, AND Alexander, Jason**

- 2008 19.3880 Annotated checklist of vascular flora, Pipe Spring National Monument. *U.S. National Park Service, Natural Resource Technical Report NPS/NCPN/NRTR-2008/131*, 60 pp. [For update see Fertig (2008, ITEM NO. 19.3435).]

**Fertig, Walter; Topp, Sarah; Moran, Mary; Hildebrand, Terri; Otti, Jeff; AND Zobell, Derrick**

- 2012 19.6535 Vascular plant species discoveries in the Northern Colorado Plateau Network; update for 2008-2011. *U.S. National Park Service, Natural Resource Technical Report NPS/NCPN/NRTR-2012/582*, 94 pp. [See section 3.14, "Pipe Spring National Monument" (pp. 58-66).]

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- 2002 19.4622 Dynamics of a pinyon-juniper stand in northern Arizona: A half-century history. *U.S. Forest Service, Rocky Mountain Research Station, Research Paper RMRS-RP-35*, 10 pp. [Refer also to Jameson (1965, [ITEM NO. 19.801](#)).] [Regarding Deadman Flat, ca. 20 miles north of Flagstaff, Arizona.]
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**Fielder, Carl E., AND Arno, Stephen F.**

- 2015 19.4838 *Ponderosa : people, fire, and the West's most iconic tree*. Missoula, Montana: Mountain Press Publishing Co., 261 pp.
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**Figiel, C., Jr.; Jackson, M.; AND Ulibarri, M.**

- 2001 19.2892 Temperature effects on growth of juvenile humpback chubs [ABSTRACT]. *Desert Fishes Council, Proceedings*, 32: 53. [[Also in Spanish.](#)]
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- 2012 19.3795 *Manipulation of fish vital rates through ecosystem experimentation in a regulated river*. Master's thesis, University of Florida, 85 pp.
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**Finch, Colton; Pine, William E., III; AND Limburg, Karin E.**

- 2013 19.4437 Do hydropeaking flows alter juvenile fish growth rates? A test with juvenile humpback chub in the Colorado River. *River Research and Applications*, 31(2) (February): 156-164.
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**Finch, Deborah M.**

- 1999 19.1930 Recovering southwestern willow flycatcher populations will benefit riparian health. *In*: McCabe, Richard E., and Loos, Samantha E. (eds.), *Transactions of the sixty-fourth North American Wildlife and Natural Resource Conference, March 26-30, 1999, Hyatt Regency San Francisco Airport, Burlingame, California*. Washington, D.C.: Wildlife Management Institute, pp. 275-292.
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**Finck, Henry T.**

- 1922 19.3275 *Gardening with brains : fifty years' experiences of a horticultural epicure*. New York: Harper and Brothers, 270 pp. [See pp. 91-92: "I shall never forget the thrills of delight that overpowered me one night in the Grand Cañon of Arizona, halfway down to the Colorado River, when our camp was surrounded by a tangle of wild grapes in full bloom." (ENTIRE NOTE)]
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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- 2013 19.6620 *Final technical report: Species distribution modeling of priority bird species on Bureau of Land Management lands to determine stewardship responsibility for conservation planning.* Ithaca, New York: Cornell Lab of Ornithology, 224 pp.
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**Fischer, Pierre C.**

- 1979 19.5291 *Coryphantha vivipara* var. *kaibabensis*, a new variety from northern Arizona. *Cactus and Succulent Journal* (Cactus and Succulent Society of America), 51(6): 286-287. [From Kaibab Plateau and House Rock Valley.]
- 1991 19.605 *Echinocereus triglochidiatus* variety *toroweapensis*, a new variety from the Grand Canyon. *Cactus and Succulent Journal* (Cactus and Succulent Society of America), 63(4) (July/August): 194-195.
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**Fisher, A. K.**

- 1893 19.3285 The hawks and owls of the United States in their relation to agriculture. *U.S. Department of Agriculture, Division of Ornithology and mammalogy, Bulletin 3*, 210 pp. [See under "Sparrow Hawk" (p. 115 and following), stomach-contents notes for specimens from Grand Canyon (p. 125) and Cataract Creek (p. 126); and see "Flammulated Screech Owl", pp. 173-174, Plate 26, including note of specimen from Grand Canyon (p. 174).]
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**Fisher, Jessa**

- 2008 19.5158 The Supai sunflower saves the day. (Photo from Suzanne Nelson.) *The Plant Press* (Arizona Native Plant Society), 32(2) (November): 17.
- 2010 19.5803 Ethnobotany: People using native plants. Hualapai ethnobotany. *The Plant Press* (Arizona Native Plant Society), 34(1) (Spring): 17.
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**Fisher, Tom**

- 2007 19.4024 Fishing the Colorado River in Winter. *The Buffer* (Buckeye United Fly Fishers, Cincinnati, Ohio), 31(3) (March): 3. [Lees Ferry.]
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**Fisher, W. S.**

- 1942 19.3332 A revision of the North American species of buprestid beetles belonging to the tribe Chrysobothrini. *U.S. Department of Agriculture, Miscellaneous Publication 470*, 275 pp. [See pp. 37, 87, 91, 95, 111, 152, 172, 190.]
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**Flader, Susan L.**

- 1974 19.606 *Thinking like a mountain : Aldo Leopold and the evolution of an ecological attitude toward deer, wolves and forests.* University of Missouri Press, 284 pp. [See pp. 62,

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

81-92, 96, 99, 103, 104, 105, 115, 175-180, 183, 184, 201, 203, 242, 245, 247, 252.] [Kaibab deer.]

**Flatley, William T., AND Fulé, Peter Z.**

- 2016 19.5476 Are historical fire regimes compatible with future climate? Implications for forest restoration. *Ecosphere*, 7(10) (October): Article e01471, 21 pp. + Supporting Information online (accessible at <http://onlinelibrary.wiley.com/doi/10.1002/ecs2.1471/abstract>). [Study area on Kaibab Plateau.]

**Flatley, William T.; O'Donnell, F. C.; Fulé, Peter Z.; AND Springer, Abraham E.**

- 2015 19.4853 Linking forest landscape management and climate change to the conservation of riparian habitat in the Grand Canyon: Part I. Vegetation modeling [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, pp. 30-31. [For Part II see O'Donnell et al. (2015, ITEM NO. 19.4870).]

**Fleishman, Erica; Belnap, Jayne; Cobb, Neil; Enquist, Carolyn A. F.; Ford, Karl; MacDonald, Glen; Pellant, Mike; Schoennagel, Tania; Schmit, Lara M.; Schwartz, Mark; Drunick, Suzanne van; AND Westerling, Anthony LeRoy**

- 2013 19.5403 (COORDINATING LEAD AUTHOR, LEAD AUTHORS, CONTRIBUTING AUTHORS) Natural ecosystems. *In: Garfin, Gregg, Jardine, Angela, Merideth, Robert, Black, Mary, and LeRoy, Sarah (eds.), Assessment of climate change in the Southwest United States : a report prepared for the National Climate Assessment*. Washington, D.C., Covelo (California), and London: Island Press, pp. 148-167. [There is also a two-page fact sheet summarizing and crediting information from this chapter; accessible from webpage <http://www.swcarr.arizona.edu/fact-sheets>.]

**Fleming, John L., AND Goon, Jerry**

- NO DATE 19.6665 *Timber Management Plan : North Kaibab block : Kaibab National Forest : Region 3*. [No place]: U.S. Forest Service, Region Three, [129] pp. (2410.) [1972.] [Cover title: *Timber Management Plan : Region Three, Forest Service, U.S. Department of Agriculture*.]

**Fletcher, Noel; Keckler, Chirre; Noble, Bill; AND Thompson, Cary**

- NO DATE 19.6398 *Wildlife specialist report and biological evaluation : Four-Forest Restoration Initiative Coconino and Kaibab NF Environmental Impact Statement*. [No place]: [U.S. Forest Service], 848 pp. [Variant 2. For variant 1 see Noble et al. (no date, ITEM NO. 19.6397).]

**Flowers, Seville**

- 1959 19.5465 Vegetation of Glen Canyon. *In: Woodbury, Angus M. (Biological Editor), Ecological studies of the flora and fauna in Glen Canyon*. University of Utah, Department of

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*Anthropology, Anthropological Papers*, (40) (Glen Canyon Series, 7), pp. 21-61.  
 [Principally regarding the Glen Canyon reservoir area (Lake Powell), Utah-Arizona, but includes the reach of Glen Canyon downstream to the Lees Ferry area, Arizona.]  
 [With Appendix A, "Vascular Plants Collected in Glen Canyon" by Delbert W. Lindsay, pp. 63-72.]

**Foissner, Ilse, AND Foissner, Wilhelm**

- 1992      19.6325      The fine structure of two new hemimastigophoran flagellates related to *Spironema multiciliatum* Klebs, 1893 [ABSTRACT]. *European Journal of Protistology*, 28(3) (August 21): 340. [Includes material described from "Grand Canyon area (USA)".] [See Foissner and Foissner (1993, [ITEM NO. 19.5211](#)).]
- 1993      19.5211      Revision of the family Spironemidae Doflein (Protista, Hemimastigophora), with description of two new species, *Spironema terricola* n. sp. and *Stereonema geiseri* n. g., n. sp. *Journal of Eukaryotic Microbiology*, 40(4): 422-438. [Flagellates, Phylum Hemimastigophora Foissner, Blatterer and Foissner, 1988. See pp. 424-429, *Spironema terricola*, new species, type from "Soil from the Grand Canyon, USA (upper entrance to Bright Angel Trail)".]

**Foissner, Wilhelm**

- 1994      19.6330      Die Urtiere (Protozoen) des Bodens. *Kataloge des Oberösterreichischen Landesmuseums* (Linz), New Series, 71: 169-218. [See in section 5.2, "Geißeltiere (Flagellaten)", notes of *Spironema terricola* from Grand Canyon (p. 181; Figures 64-47 [p. 182]).] [[In German.](#)]

**Fonseca, Julia**

- 1992      19.3623      Southwest Rare and Endangered Plant Conference. *The Plant Press* (Arizona Native Plant Society), 16(2) (Summer): 6-7. [Report pertaining to Arizona rare plants. For Grand Canyon includes notes of *Astragalus cremnophylax* var. *cremnophylax*, Sentry milkvetch; *Pediocactus paradinei*, Kaibab pincushion cactus; *Pediocactus sileri* and *P. bradyii*, Siler and Brady pincushion cacti.]

**Foos, K. Michael**

- 1991      19.607      *Pilobolus* from Grand Canyon National Park. *American Midland Naturalist*, 126(2) (October): 401-403. [Fungus.] [Includes *Pilobolus kleinii* van Tieghem "isolated at three locations on the South Rim of the Grand Canyon from mule dung"; and *Pilobolus roridus* (Bolt.) Pers. "isolated in five locations on the North Rim of the Grand Canyon from deer dung."]  
     ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 8: page 4-36](#) |

**Foote, Richard H.; Blanc, F. L.; AND Norrbom, Allen L.**

- 1993      19.608      *Handbook of the fruit flies (Diptera: Tephritidae) of America north of Mexico*. Ithaca (New York) and London: Comstock Publishing Associates, 571 pp.

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**Forbes, R. H.**

- 1914 19.4097 Administration. *In: University of Arizona, Agricultural Experiment Station, Twenty-fifth Annual Report, for the year ending June 30, 1914 (with subsequent items).* Tucson: University of Arizona, Agricultural Experiment Station, pp. 321-328. [See pp. 321-322, remarks on reconnaissance in Arizona Strip area, regarding farming and buffalo herd.]
- 1914 19.4098 Educational. *In: University of Arizona, Agricultural Experiment Station, Twenty-fifth Annual Report, for the year ending June 30, 1914 (with subsequent items).* Tucson: University of Arizona, Agricultural Experiment Station, pp. 373-377. [See p. 377, under "Farmers' Institutes": "It is of interest . . . to note that the first institute held in Arizona north of the Grand Canyon occurred on July 16 at Fredonia with lectures by Messrs. A. M. McOmie, O. C. Bartlett and C. C. Jacob, in the course of an exploratory expedition in that little-known region." (ENTIRE NOTE) (Refer also to McOmie.)]

**Ford, Andrew**

- 2009 19.3913 *Modeling the environment.* Washington, D.C.: Island Press, 2nd ed., 380 pp. [See Chapter 21, "The Overshoot of the Kaibab Deer Population", pp. 267-272.]
- 2009 19.5811 Ecological interactions: Predator and prey dynamics on the Kaibab Plateau. *In: Barlas, Yaman (ed.), System dynamics : systemic feedback modeling for policy analysis. Volume 1.* Paris: United Nations Educational, Scientific and Cultural Organization; and Oxford: EOLSS Publishers Co. Ltd., pp. 166-183. (Encyclopedia of Life Support Systems.) (Volume: Technology, Information, and Systems Management Resources, 2.)

**Ford, Trevor D., AND Breed, William J.**

- 1970 19.609 Tadpole holes formed during desiccation of overbank pools. *Journal of Sedimentary Petrology*, 40: 1044-1045. [Modern fauna. "Abstract. An example of tadpole holes formed during the desiccation of a silt-floored pool in the overbank part of a stream course in Nankoweap Canyon, Grand Canyon, is described. The origin as well as the significance of these structures in the interpretation of past sedimentary features is discussed."]  
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- 2003 19.3086 *The Ford air tours, 1925-1931 : a complete narrative and pictorial history of the Seven National Air Tour competitions for the Edsel B. Ford Reliability Trophy : reprinted in support of the 2003 National Air Tour* (2003 additions and corrections by Gregory Herrick). New Brighton, Minnesota: Aviation Foundation of America, 202 pp. [See p. 87: ". . . at Fredonia, Arizona a Scenic Airways Ford Tri-motor took off with eight deer aboard, carried them 95 miles across the Grand Canyon to Red Butte, to join the deer colony on the South Rim." (ENTIRE NOTE)] [Original ed. 1972.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**Foster, L. S.**

- 1885 19.3121 Abert's squirrel. *Science*, 5 (June 26) (125): 515. [Takes note of the first illustration of Abert's squirrel, depicted in Plate 6 of L. Sitgreaves (1853).]
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**Foster, Valerie Stein** *see also* Stein Foster, Valerie

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**Four Forest Restoration Initiative**

- \_\_\_\_\_ 19.4700 *4FRI News*. [Newsletter. June 2011, October 2011, February 2012 issues only.] [General information on partners and progress updates.]
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**Fowler, James F.; Sieg, Carolyn Hull; AND Wadleigh, Linda L.**

- 2010 19.4728 Effectiveness of litter removal to prevent cambial kill-caused mortality in northern Arizona ponderosa pine. *Forest Science*, 56(2) (April): 166-171. [In the immediate Grand Canyon region, study sites include "Scott Rx" (South Rim) and "Road Hollow Rx" (North Rim) sites in the Kaibab National Forest.]
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**Fowlie, Jack A.**

- 1965 19.613 *The snakes of Arizona : their derivation, speciation, distribution, description, and habits—a study in evolutionary herpeto-zoogeographic phylogenetic ecology*. Fallbrook, California: Azul Quinta Press, 164 pp.  
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**Fox, Jennifer**

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**Fox, William Henry**

- 1917 19.3111 *Museums of the Brooklyn Institute of Arts and Sciences : report upon the conditions and progress of the museums for the year ending December 31, 1916*. Brooklyn, New York, New York: Brooklyn Institute of Arts and Sciences. [See "Department of Natural Science", under "Gifts", "Dr. R. Ottolengui. Insects from Grand Canyon, Arizona . . ."; and under "Collection and Exchange", "G. P. Engelhardt. Bat from Grand Canyon . . . Spermophile from Grand Canyon." (p. 50) No further elaboration.]
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**Fox, William J.**

- 1893 19.4538 New species of fossorial Hymenoptera. *Canadian Entomologist*, 25(5) (May): 113-117. [See pp. 116-117, *Gorytes dentatus*, from "Grand Canyon, Arizona, '70 miles North of Flagstaff." (C. H. Tyler Townsend)."]
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**Francœur, A. [Francœur, André]** [Francoeur, André]

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**Frangieh, Jacinthe; Rima, Mohamad; Fajloun, Ziad; Henrion, Daniel; Sabatier, Jean-Marc; Legros, Christian; AND Mattei, César**

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**Franson, J. Christian**

- 2008 19.3061 Identifying roadblocks to recovery. *Endangered Species Bulletin*, (Fall): 50-53. [See "Humpback chub (*Gila cypha*) surveys", p. 52.]
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**Frates, Tony**

- 2020 19.6489 Range expansion in Utah of *Cyperus michelianus* (L.) Delile. *Sego Lily* (Utah Native Plant Society), 43(2) (Spring): 6-11. [Includes Kaibab Plateau.]
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**Frazier, John**

- 1996 19.614 Hats off to GCA members. *Canyon Views* (Grand Canyon Association), 2(3): 6. [Revegetation project.]
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**Freeman, Duane R.**

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**Freeman, H. A.**

- 1963 19.4416 Type localities of the Megathymidae. *Journal of Research on the Lepidoptera*, 2(2): 137-141. [See p. 140, under *Agathymus* Freeman: "[A.] *alliae* (Stallings and Turner), 15 mi. W. Cameron, Arizona, along canyon of Little Colorado R., elev. 5000 ft." (ENTIRE NOTE)] [See also Stallings and Turner (1957, [ITEM NO. 19.4417](#)).]
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**French, N. R.**

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**Frey, Jennifer K.**

- 1989 19.5543 *Morphologic variation in the Mexican vole (Microtus mexicanus)*. Master's thesis, Emporia State University, Emporia, Kansas, 104 pp.

**Frey, Jennifer K., AND LaRue, Charles T.**

- 1993 19.5544 Notes on the distribution of the Mogollon vole (*Microtus mogollonensis*) in New Mexico and Arizona. *Southwestern Naturalist*, 38(2) (June): 176-178.
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**Freytag, Paul H.**

- 1962 19.4137 A new species of *Idiocerus* from the Southwest and a review of the related species (Homoptera: Cicadellidae). *Ohio Journal of Science*, 62(5) (September): 244-252. [See *I. dolosus* Ball, pp. 245-246, Plate 1, which includes listing of Grand Canyon specimens.]
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**Friederici, Peter**

- 2003 19.5978 Healing the region of pines: Forest restoration in Arizona's Uinkaret Mountains. *In*: Friederici, Peter (ed.), *Ecological restoration of Southwestern ponderosa pine forests*. Washington, D.C., and Covelo (California): Island Press, pp. 197-214.
- 2004 19.2474 Forests of home: The four elements. *Plateau Journal*, 8(1) (Spring/Summer): 6-19.
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**Friedlander, Tim**

- 1987 19.6153 Taxonomy, phylogeny and biogeography of *Asterocampa* Röber 1916 (Lepidoptera, Nymphalidae, Apaturinae). *Journal of Research on the Lepidoptera*, 25(4) (Winter 1986 [1987]): 215-338 (pagination includes Plates 1-22) [date of publication 31 December 1987]. [See *Asterocampa celtis antonia* (W. H. Edwards, 1878) (pp. 243-254), specifically p. 252, "Garth's (1950) record of *A. leilia* from the Grand Canyon

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

(Arizona) is also this subspecies of *A. celtis*.”; and see *Asterocampa leilia* (W. H. Edwards, 1874) (pp. 254-260), specifically p. 260, “The species reported as *A. leilia* from the Grand Canyon (Garth, 1950) are actually *A. celtis antonia* (‘montis’) (Reinthal, unpublished obs.).” (ENTIRE NOTES) See also distribution map, Plate 1 (p. 315). The references are to Garth (1950, [ITEM NO. 19.627](#)).]

**Frisvad, Jens C., AND Samson, Robert A.**

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**Frisvold, George B.; Jackson, Louise E.; Pritchett, James G.; AND Ritten, John P.**

2013 19.5404 (COORDINATING LEAD AUTHOR, LEAD AUTHORS) Agriculture and ranching. *In*: Garfin, Gregg, Jardine, Angela, Merideth, Robert, Black, Mary, and LeRoy, Sarah (eds.), *Assessment of climate change in the Southwest United States : a report prepared for the National Climate Assessment*. Washington, D.C., Covelo (California), and London: Island Press, pp. 218-239. [There is also a two-page fact sheet summarizing and crediting information from this chapter; accessible from webpage <http://www.swcarr.arizona.edu/fact-sheets>.]

**Fritzinger, Carol (Fritz), AND Kennedy, Ted**

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- 2012 19.3736 The USGS Grand Canyon Monitoring and Research Center. *In*: Muller, Seth (ed.), *Science Research 2012 : special supplement brought to you by Arizona Daily Sun*. [Flagstaff, Arizona]: Arizona Daily Sun, p. 22.
- 2012 19.3737 The USGS Colorado Plateau Research Center. *In*: Muller, Seth (ed.), *Science Research 2012 : special supplement brought to you by Arizona Daily Sun*. [Flagstaff, Arizona]: Arizona Daily Sun, p. 23.

**Frykman, Joel L.; Wellner, Charles A.; Wikstrom, John; AND Rosynek, William S. (Points of Interest Committee)**

- 1958 19.5727 Guide map to points of interest to foresters in the Rocky Mountain area. *Journal of Forestry*, (September): 632-638. [Includes in Arizona (p. 632), "Grand Canyon National Park", "Headquarters of the Kaibab National Forest. Williams."; in Nevada (p. 637), "Hoover Dam".]

**Fryxell, Paul A.**

- 1994 19.619 Malvaceae; mallow family. Part one: all genera except *Sphaeralcea* St.-Hill. [*In*: A new flora for Arizona in preparation.] *Arizona-Nevada Academy of Science, Journal*, 27(2): 222-236.

**Fuchylo, Ya. D.; Los, S. A.; Sbytна, M. V.; AND Plotnikova, O. V. [Фучило, Я. Д.; Лось, С. А.; Сбитна, М. В.; Плотнікова, О. М.]**

- 2016 19.6237 Характеристики насіння та ростові показники сіянців псевдотсуги мензиса різного географічного походження [Kharakterystyky nasinnya ta rostovi pokaznyky siyantsiv psevdotsuhy menzisa riznoho heohrafichnoho pokhodzhennya]. Characteristics of seeds and growth indicators of Douglas fir seedlings of different geographical origin. *Лісівництво і Агролісомеліорація (Україна, Науково-дослідного інституту лісового господарства та гідромеліорації (НДІЛГА) [Lisivnytstvo i Ahrolisomelioratsiya (Ukrayina, Naukovo-doslidnoho instytutu lisovoho hospodarstva ta hidromelioratsiyi (NDILHA))]* [*Forestry and Agroforestry (Ukraine, Forestry and Hydroelioration Research Institute (NDILGA))*], (129): 76-83. [Includes studies of Douglas fir seeds received from the U.S. in summer 2012, including Kaibab National Forest (Ranger District not indicated).] [NDILGA ≈ Foresters together with the Directorate of the Branch of the Research Institute of Forestry and Land Reclamation.] [In Ukrainian, with title and abstract also in English and Russian.]

**Fukushima, Satoshi, AND Minagawa, Tomoko [福嶋 悟; 皆川 朋子]**

- 2008 19.5490 大気暴露による河川の不快糸状緑藻類コントロール [Taiki bakuro ni yoru kasen no fukai itojō ryokusōrui kontorōru]. Controls of nuisance filamentous green algae in rivers with atmospheric exposure. 応用生態工学 [Ōyō seitai kōgaku] [*Applied Ecological Engineering*] *Ecology and Civil Engineering (Tokyo)*, 11(2): 123-132. [Colorado River not mentioned by name in the article, but frequently cites papers on the Colorado River in Grand Canyon.] [Note the difference between the translated Japanese serial title and the English-language title as given in the serial.] [In Japanese, with bilingual titles and abstract.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Fulé, Peter Zoltan**

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- 2008 19.6674 Does it make sense to restore wildland fire in changing climate? *Restoration Ecology*, 16(4) (December): 526-531. (Editorial Opinion.) [See figure 1 (p. 527), which shows ponderosa pine forests at Grand Canyon. No separate text mention.]
- 2010 19.4488 Wildfire ecology and management at Grand Canyon, USA: Tree-ring applications in forest fire history and modeling. *In*: Stoffel, Markus, Bollschweiler, Michelle, Butler, David R., and Luckman, Brian H. (eds.), *Tree rings and natural hazards : a state-of-the-art*. Dordrecht, Heidelberg, London, and New York: Springer, pp. 365-381. (Volume: Advances in Global Change Research, 41.)

**Fulé, Peter Z., AND Laughlin, Daniel C.**

- NO DATE 19.3935 *Fire use over a southwestern elevational gradient: Effects of 2003 fires : final report to the Joint Fire Science Program, H1200040002*. Flagstaff, Arizona: Northern Arizona University, School of Forestry and Ecological Restoration Institute, 32 pp. [North Rim.]
- 2007 19.2671 Wildland fire effects on forest structure over an altitudinal gradient, Grand Canyon National Park, USA. *Journal of Applied Ecology*, 44(1): 136-146. [North Rim.]

**Fulé, Peter Z.; Cocke, Allison E.; Heinlein, Thomas A.; AND Covington, W. Wallace**

- 2004 19.2478 Effects of an intense prescribed forest fire: Is it ecological restoration? *Restoration Ecology*, 12(2): 220-230.

**Fulé, Peter Z.; Covington, W. Wallace; Moore, Margaret M.; Heinlein, Thomas A.; AND Waltz, Amy E. M.**

- 2002 19.2171 Natural variability in forests of the Grand Canyon, USA. *Journal of Biogeography*, 29: 31-47.

**Fulé, Peter Z.; Covington, W. Wallace; Smith, H. B.; Springer, Judith D.; Heinlein, Thomas A.; Huisinga, Kristin D.; AND Moore, Margaret M.**

- 2002 19.2340 Comparing ecological restoration alternatives: Grand Canyon, Arizona. *Forest Ecology and Management*, 170(1/3): 19-41.

**Fulé, Peter Z.; Covington, W. Wallace; Stoddard, Michael T.; AND Bertolette, Don**

- 2006 19.3432 "Minimal-impact" restoration treatments have limited effects on forest structure and fuels at Grand Canyon, USA. *Restoration Ecology*, 14(3): 357-368.

**Fulé, Peter Z.; Crouse, Joseph E.; Cocke, Allison E.; Moore, Margaret M.; AND Covington, W. Wallace**

- 2004 19.2479 Changes in canopy fuels and potential fire behavior 1880-2040: Grand Canyon, Arizona. *Ecological Modelling*, 175(3): 231-248.

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**Fulé, Peter Z.; Crouse, Joseph E.; Heinlein, Thomas A.; Moore, Margaret M.; Covington, W. Wallace;  
AND Verkamp, Greg**

- 2003 19.2480 Mixed-severity fire regime in a high-elevation forest of Grand Canyon, Arizona, USA. *Landscape Ecology*, 18(5): 465-486.

**Fulé, Peter Z.; Heinlein, Thomas A.; AND Covington, W. Wallace**

- 2006 19.4482 Fire histories in ponderosa pine forests of Grand Canyon are well supported: reply to Baker. *International Journal of Wildland Fire*, 15(3): 439-445. [Baker, same issue (ITEM NO. 19.4481).]

**Fulé, Peter Z.; Heinlein, Thomas A.; Covington, W. Wallace; AND Moore, Margaret M.**

- 2000 19.4011 Continuing fire regimes in remote forests of Grand Canyon National Park. *In*: Cole, David N., McCool, Stephen F., Borrie, William T., and O'Loughlin, Jennifer (compilers), *Wilderness Science in a Time of Change Conference; Volume 5: Wilderness ecosystems, threats, and management; Missoula, Montana, May 23-27, 1999. U.S. Forest Service, Rocky Mountain Research Station, Proceedings, RMRS-P-15-Vol-5*, pp. 242-248.
- 2003 19.2399 Assessing fire regimes on Grand Canyon landscapes with fire-scar and fire-record data. *International Journal of Wildland Fire*, 12(2): 129-145.

**Fulé, Peter Z.; Verkamp, Greg; Waltz, Amy E. M.; AND Covington, W. Wallace**

- 2002 19.3071 Burning under old-growth ponderosa pines on lava soils; prescribed burning on volcanic soils in the Grand Canyon's Parashant National Monument produced unanticipated results. *Fire Management Today*, 62(3) (Summer): 47-49. [Grand Canyon-Parashant National Monument.]

**Fulmer, James E., AND Robinson, A. T.**

- 2008 19.5349 Aquatic plant species distributions and associations in Arizona's reservoirs. *Journal of Aquatic Plant Management*, 46: 100-106. [Survey sites include Big Springs Tank (Kaibab Plateau).]

**Fulton, B. B.**

- 1925 19.4313 Physiological variation in the snowy tree-cricket, *Oecanthus niveus* De Greer. *Entomological Society of America, Annals*, 18: 363-383. [Grand Canyon, see pp. 377 (physiological observations relating to humidity), 378 (geographic distribution).]

**Furniss, Malcolm M.**

- 2007 19.5911 A history of forest entomology in the Intermountain and Rocky Mountain areas, 1901 to 1982. *U.S. Forest Service, Rocky Mountain Research Station, General Technical Report RMRS-GTR-195*, 40 pp. [Includes Kaibab Plateau.]

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- 1977 19.3761 Western forest insects. *U.S. Forest Service, Miscellaneous Publication 1339*, 654 pp. [See p. 120, piñon needle scale, *Matsucoccus acalyptus* Herbert (McCambridge 1974); a "serious outbreak" noted at Grand Canyon National Park, *in passing*.]
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**Gadgil, P. D., AND Flint, T. N.**

- 1983 19.5187 Assessment of the risk of introduction of exotic forest insects and diseases with imported tents. *New Zealand Journal of Forestry*, 28(1): 58-67. [Study performed by examining "45 tents accompanying incoming passengers at the Auckland International Airport from 3 to 9 December, 1981" (p. 58). See data in Appendix 1 (p. 66), which includes tent from "USA/Grand Canyon". Another tent from "USA/Arizona".]
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**Gadow, Hans**

- 1905 19.3699 The distribution of Mexican amphibians and reptiles. *Zoological Society of London, Proceedings*, 2(Part 1) (May/June): 191-244. [See p. 192: "Valuable for comparison [to Dr. Meek's information], but of too short a time for serious collecting, were a few days passed in New Mexico, the Grand Cañon of Arizona, the Californian Desert, and the neighbourhood of San Francisco." (ENTIRE NOTE)]
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**Galbreath, Sharon**

- 1998 19.6085 Logging in our national parks? "Restoration logging" project needs public scrutiny. *In: Saving Grand Canyon [SPECIAL EDITION]*. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 34(5) (Special Edition—June): 2. [Regarding proposal to log within 160 acres in Grand Canyon National Park.]
- 2002 19.2256 The Kaibab Plateau—a place in need of old growth preservation. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 38(3) (May/June): 6 [see also photo, p. 8].
- 2004 19.5913 The importance of old growth; a rare Arizona ecosystem needs protection. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 40(3) (May/June): 1. [Includes photo of campsite in an old-growth forest on the North Kaibab National Forest.]
- 2005 19.2527 Old growth logging on Kaibab Plateau near North Rim of Grand Canyon proposed while community protection projects go unfunded. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), (May/June): 7.

**Galbreath, Sharon, AND Segee, Brian**

- 2002 19.2255 The destruction of an old growth forest; goshawk numbers decline as old growth disappears. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 38(3) (May/June): 5.
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- 1979 19.4485 Effects of livestock grazing on wildlife. *Cal-Neva Wildlife* (Wildlife Society, California-Nevada Section, Transactions), 1979: 83-87.

**Galloway, Leo Aldis**

- 1971 19.3979 *Systematics of the North American desert species of Abronia Jussieu and Tripterocalyx (Torrey) Hooker (Nyctaginaceae)*. Doctoral dissertation, Texas Tech University, 160 pp. [Includes Grand Canyon region.]

**Gamble, Terry; Bagley, Brian; AND Morgensen, Sue**

- 1991 19.621 Rainbow trout growth in the Lee's Ferry reach of the Colorado River, 1980-1990 [ABSTRACT]. *Arizona-Nevada Academy of Science, Journal*, 26(Proceedings Supplement): 30-31.  
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**Gandoger, Michel**

- 1906 19.3656 Le genre *Eriogonum* (Polygonaceae). *Société Royale de Botanique de Belgique, Bulletin*, 42: 183-200. [See p. 187: *Eriogonum juncinellum* Gdgr. sp. nova, est forma peculiaris ab *E. Baileyi* [Wats.] recedens caule minus ramoso glauco pauciflora, involucris parum costatis, floribus saltem duplo longius pedicellatis. Hab. *Arizona*, ad *Grand Canon of the Colorado*, alt. 7000' (Mac Dougal n. 182)."] And see p. 191: "Inflorescentia villosa-lanata. Fruticulus tortuosus basi decumbens toto foliosus, folio linearia 1 1/2 cent. longa 3 m. lata mucronata superne araneosa, cymae simplices trifurcatae pauciflorae, involucrum villosum vix costatum, bracteae ad apicem subulatae. Hab. *Arizona*, ad *Grand Canon of the Colorado* (Mac Dougal n. 176). *E. Macdougalii* Gdgr. n. sp." (ENTIRE NOTES)] [New species.] [Refer also to Heller (1907, ITEM NO. 19.3655) and Gandoger (1908, ITEM NO. 19.4656 .)] [Introduction in French; the remainder in botanical Latin.]
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Graham, Bob**

- 2007 19.4022 Spring in Lee's Ferry. *Target Talk* (Long Beach Casting Club, Long Beach, California), (May): 8-11. [Fly fishing.]
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**Graham, Frank, Jr.**

- 2000 19.1933 The day of the condor. *Audubon*, 102(1) (January/February): cover, 3, 46-53.
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**Graham, John, AND Graham, Pat**

- 1987 19.5098 The seed collecting year. *The Central Spine* (Central Arizona Cactus and Succulent Society), (January): 2-5. [Summary of seed gatherings during 1986. See pp. 3-4 regarding activities in Marble Canyon and Arizona Strip areas.]
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**Graham, Timothy B. [Graham, Tim B.]**

- 1986 19.651 *Plant-herbivore interactions: Grasses and grasshoppers in Grand Canyon National Park*. Doctoral dissertation, Utah State University, 155 pp.  
 ≡ CROSS-LISTINGS [CITED» GCNHA Monograph 8: page 4-15]

**Graham, Timothy B., AND Norton, Roy A.**

- 1998 19.3469 Uncharismatic microfauna of the Colorado Plateau: Notes on distribution and ecology of an undescribed, pothole-dwelling Ameronothroid (Acari: Ameronothridae) mite. *In*: Hill, L. M., and Koselak, J. J., *Learning from the land: Grand Staircase-Escalante National Monument Science Symposium proceedings, Southern Utah University, Cedar City, UT, November 4-5, 1997*. Salt Lake City: U.S. Bureau of Land Management, pp. 477-483. [Includes localities near Desert View, Grand Canyon.]
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**Grahame, John D.**

- 1996 19.653 Rafting for waterfowl through Glen Canyon. *Northern Arizona Audubon Society, Newsletter*, 26(4): 5. [Trip announcement, Glen Canyon Dam to Lees Ferry.]

**Grahame, John D., AND Pinnock, Clive A.**

- 1994 19.654 *Glen Canyon National Recreation Area : 1994 breeding bird survey along the Colorado River from Glen Canyon Dam to Lees Ferry*. Page, Arizona: U.S. National Park Service, Resource Management Division, Glen Canyon National Recreation Area, 38 pp.
- 1994 19.655 *Glen Canyon National Recreation Area : breeding and wintering waterfowl on the Colorado River from Glen Canyon Dam to Lees Ferry*. Page, Arizona: U.S. National Park Service, Resource Management Division, Glen Canyon National Recreation Area, 52 pp.
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**Grand Canyon Monitoring and Research Center**

see **U.S. Geological Survey, Grand Canyon Monitoring and Research Center**

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Grand Canyon Natural History Association**

- NO DATE 19.660 *A place for everything: Life zones and ecosystems in Grand Canyon.* Grand Canyon Natural History Association, 4 pp., fold-out, plus front and back. [Ca. 1984.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-36|
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**[Grand Canyon Private Boaters Association], *gcpba Newswire***

- 1998 19.661 *gcpba Newswire* cows, copters and cold. *The Waiting List* (Grand Canyon Private Boaters Association), 2(2) (May): 21. [Cattle sighting at Rampart Cave. Originally distributed electronically via *gcpba Newswire*.]
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**Grand Canyon River Runners Association**

- 2013 19.3798 An activity for passengers—GCRRA’s Wildlife Census Program. *Boatman’s Quarterly Review*, 26(1) (Spring): 10.
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**Grand Canyon Trust**

- NO DATE 19.6771 *A field guide to pinyon jays and pinyon & juniper forests.* [Flagstaff, Arizona]: Grand Canyon Trust, folded brochure. [2023.]
- 2011 19.5454 Kane and Two Mile Ranch program. *In: Report to donors : Grand Canyon Trust : 2011.* [Flagstaff, Arizona]: Grand Canyon Trust, pp. 12-13. [Kane Ranch, Two Mile Ranch.]
- 2013 19.5455 The Kane and Two Mile Ranch program focuses on preserving the ecological, cultural, and scenic values of 850,000 acres on the North Rim of the Grand Canyon, and on developing science-based land management approaches for achieving conservation and restoration objectives. *In: Grand Canyon Trust : report to donors : 2013.* [Flagstaff, Arizona]: Grand Canyon Trust, pp. 14-15. [Kane Ranch, Two Mile Ranch.]
- 2013 19.5456 The Geographic Information Systems program (GIS) uses advanced technology to support and communicate the Trust’s conservation objectives and accomplishments. *In: Grand Canyon Trust : report to donors : 2013.* [Flagstaff, Arizona]: Grand Canyon Trust, pp. 22-23. [Includes Vermilion Cliffs National Monument.]
- 2015 19.5457 Thanks to you we are . . . working for healthy ecosystems and prosperous communities in northern Arizona’s forests. *In: Grand Canyon Trust : report to donors : 2015.* [Flagstaff, Arizona]: Grand Canyon Trust, pp. 10-11. [Four Forest Restoration Initiative.] [Ellipsis is part of title.]
- 2015 19.5458 Thanks to you we are . . . restoring the North Rim Ranches. *In: Grand Canyon Trust : report to donors : 2015.* [Flagstaff, Arizona]: Grand Canyon Trust, pp. 16-17. [Kane Ranch, Two Mile Ranch.] [Ellipsis is part of title.]
- 2017 19.5677 Accelerating restoration of northern Arizona’s forests. Turning adventurers into advocates. *In: Grand Canyon Trust : report to donors : 2017.* [Flagstaff, Arizona]: Grand Canyon Trust, pp. 12-13. [Four Forest Restoration Initiative.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 2017 19.5676 Planning for a changing climate on the North Rim. *In: Grand Canyon Trust : report to donors : 2017.* [Flagstaff, Arizona]: Grand Canyon Trust, pp. 18-19. [Kane Ranch, Two Mile Ranch.]
- 2017 19.6772 *Kane and Two Mile research and stewardship partnership : five-year report, 2012-2016.* [Flagstaff, Arizona]: Grand Canyon Trust, 26 pp. [Kane Ranch, Two Mile Ranch.]

**Grand Canyon Trust, Staff**

- 1996 19.662 Forest health; the patient is critical. *Colorado Plateau Advocate*, (Fall): 8.
- 1997 19.663 Seeps in the Grand Canyon; hope springs eternal. *Colorado Plateau Advocate*, (Fall): 3.
- 1997 19.664 More forest, fewer trees. *Colorado Plateau Advocate*, (Fall): 6.
- 1998 19.665 Reinventing forest management. *Colorado Plateau Advocate*, (Summer): 6-7.

**Grand Canyon Trust; Arizona Game and Fish Department; AND U.S. Fish and Wildlife Service**

- NO DATE 19.6699 *Linking islands in the desert : restoring springs on the Kane and Two Mile Ranches.* [No place]: Grand Canyon Trust, Arizona Game and Fish Department, and U.S. Fish and Wildlife Service, [2] pp. [Fact sheet.] [Kane Ranch, Two Mile Ranch.]

**Grand Canyon Trust; Friends of the Cliffs; Arizona Water Protection Fund; AND U.S. Bureau of Land Management**

- NO DATE 19.4001 *Paria Canyon riparian restoration.* [No place]: Grand Canyon Trust, Friends of the Cliffs, Arizona Water Protection Fund, and U.S. Bureau of Land Management, folded brochure.

**Grand Canyon Trust; U.S. Bureau of Land Management; U.S. Forest Service; Arizona Game and Fish Department; Northern Arizona University; University of Arizona; AND U.S. Geological Survey**

- 2011 19.5547 *Kane and Two Mile Ranches applied research plan.* [No place]: Grand Canyon Trust, U.S. Bureau of Land Management, U.S. Forest Service, Arizona Game and Fish Department, Northern Arizona University, University of Arizona, and U.S. Geological Survey, 63 pp. [Kane Ranch, Two Mile Ranch.]

**Grand Canyon Wildlands Council**

- 2001 19.2351 *An inventory, assessment, and development of recovery priorities for Arizona Strip springs, seeps and natural ponds: A synthesis of information.* Flagstaff, Arizona: Grand Canyon Wildlands Council, Inc., for Arizona Water Protection Fund, Phoenix, 49 pp. (AWPF grant no. 99-074WPF: Task 2.)
- 2002 19.3858 *Arizona Strip springs, seeps and natural ponds: Inventory, assessment, and development of recovery priorities : final project report.* Flagstaff, Arizona: Grand Canyon Wildlands Council, Inc., for Arizona Department of Water Resources, Arizona Water Protection Fund, Phoenix, 47 pp. (AWPF grant no. 99-074WPF.)

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 2005 19.2725 *Glen and Grand Canyon riparian restoration project: Final report for Arizona Water Protection Fund, Contract Number 99-075WPF.* Flagstaff, Arizona: Grand Canyon Wildlands Council, Inc., for Arizona Water Protection Fund, Phoenix, 146 pp. and CD-ROM.
- 2009 19.6130 *The status, ecological role, and potential for reintroduction of species extirpated from the Colorado River ecosystem, Glen and Grand Canyons, Arizona.* Flagstaff, Arizona: Grand Canyon Wildlands Council, 23 pp. (GCWC Draft White Paper.)
- 2010 19.3862 *Pakoon Springs rehabilitation : final report.* Flagstaff, Arizona: Grand Canyon Wildlands Council, Inc., for U.S. Bureau of Land Management, Grand Canyon-Parashant National Monument, St. George, Utah, and Arizona Department of Water Resources, Arizona Water Protection Fund, Phoenix, 84 pp. + maps and rehabilitation plans (11 × 17-inch format) + 910 field rehabilitation photos on DVD. ("Task #9, AWPf grant contract #06-137WPF and including Task #4 and Task #8 final monitoring reports".)
- 2011 19.3413 Gooding's Willow in Grand Canyon: Requiem or revival? *Boatman's Quarterly Review*, 24(3) (Fall): 6-9.
- 2016 19.6200 *Hidden Slough and Leopard Frog Marsh rehabilitation : final report : Glen Canyon National Recreation Area : (Task #11 AWPf grant contract #11-181WPF).* Flagstaff, Arizona: Grand Canyon Wildlands Council, Inc., for U.S. National Park Service, Glen Canyon National Recreation Area, Page, Arizona; and Arizona Water Protection Fund, Arizona Department of Water Resources, Phoenix, 116 pp.

**Grand Canyon Wolf Recovery Project**

- NO DATE 19.6529 *Restoring the balance : Grand Canyon Wolf Recovery Project.* Flagstaff, Arizona: Grand Canyon Wolf Recovery Project, folded brochure. [2010.]
- 2018 19.6530 *Restoring the balance : bring back the wolf!* Flagstaff, Arizona: Grand Canyon Wolf Recovery Project, folded brochure.

**Grant, Verne, AND Wilken, Dieter H.**

- 1988 19.2096 Natural hybridization between *Ipomopsis aggregata* and *I. tenuituba* (Polemoniaceae). *Botanical Gazette*, 149(2) (June): 213-221.

**Grater, Russell K.**

- 1934 19.666 [Western chipping sparrow defends nest from Gila chipmunk.] *In*: Some Wild Life Observations [SECTION]. *Grand Canyon Nature Notes*, 9(4) (July): 303.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 88| |CITED» GCNHA Monograph 8: page 4-15|
- 1934 19.667 When enemies meet. *Grand Canyon Nature Notes*, 9(7 [sic, 6]) (September): 322. [San Francisco Mountain wood rat and Arizona gopher snake in cage.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 88| |CITED» GCNHA Monograph 8: page 4-15|



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 1934 19.668 An archaeological minded jay. *Grand Canyon Nature Notes*, 9(7 [*sic*, 6]) (September): 322-323. [Long-crested jay at the Wayside Museum of Archaeology (Tusayan Ruin Museum) spies corn grains inside exhibit case.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 88| |CITED» GCNHA Monograph 8: page 4-15|
- 1934 19.669 Notes on the band-tailed pigeon. *Grand Canyon Nature Notes*, 9(7) (October): 330.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 88| |CITED» GCNHA Monograph 8: page 4-15|
- 1934 19.5083 A curious collection. *Grand Canyon Nature Notes*, 9(7) (October):. [Contents of a packrat nest near the Wayside Museum of Archaeology (Tusayan Ruin Museum), including "2 types of beans (evidently a part of the archaeological display in the museum)".]
- 1934 19.670 Some migrating sparrows and related species. *Grand Canyon Nature Notes*, 9(7) (October):.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 88| |CITED» GCNHA Monograph 8: page 4-15|
- 1934 19.671 [Chestnut-backed bluebird beset by accidents.] *In*: Field Observations [SECTION]. *Grand Canyon Nature Notes*, 9(7) (October): 337.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 88| |CITED» GCNHA Monograph 8: page 4-15|
- 1934 19.672 Current observations on bird-banding at Grand Canyon. *Grand Canyon Nature Notes*, 9(9): 354.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 88| |CITED» GCNHA Monograph 8: page 4-15|
- 1935 19.674 Some wildlife observations on the canyon floor. *Grand Canyon Nature Notes*, 9(10) (January): 365-367.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 88| |CITED» GCNHA Monograph 8: page 4-15|
- 1935 19.675 Miscellaneous field notes. *Grand Canyon Nature Notes*, 9(11): 382. [Birds.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 88| |CITED» GCNHA Monograph 8: page 4-15|
- 1935 19.676 Status of the American pronghorn antelope in Grand Canyon region. *Grand Canyon Nature Notes*, 9(12): 383-388.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 88| |CITED» GCNHA Monograph 8: page 4-15|
- 1935 19.677 Miscellaneous field notes. *Grand Canyon Nature Notes*, 9(12): 394. [Owls.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 88| |CITED» GCNHA Monograph 8: page 4-15|
- 1935 19.673 Brewster's egret at Grand Canyon National Park. *The Auk*, 52: 443.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 88| |CITED» GCNHA Monograph 8: page 4-15|

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 1936 19.678 Bird banding from October 15, 1934, to October 15, 1935. *In*: Contributions to Grand Canyon ornithology. *Grand Canyon Natural History Association, Bulletin 4*, pp. 1-4.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 88| |CITED» GCNHA Monograph 8: page 4-15| FQ12:204 [volume] FQ20:165 [volume]
- 1936 19.679 Preliminary survey of the status of the dusky grouse on the Kaibab Plateau. *In*: Contributions to Grand Canyon ornithology. *Grand Canyon Natural History Association, Bulletin 4*, pp. 7-8.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-37| FQ12:204 [volume] FQ20:165 [volume]
- 1936 19.680 Pileated woodpecker at Grand Canyon National Park. *The Auk*, 53: 218.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 88| |CITED» GCNHA Monograph 8: page 4-15|
- 1937 19.681 Check-list of birds of Grand Canyon National Park. *Grand Canyon Natural History Association, Bulletin 8*, 55 pp. [Superseded by Brown *et al.* (1982, ITEM NO. 19.344), Grand Canyon Natural History Association Monograph 1, 2nd ed.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 88| |CITED» GCNHA Monograph 8: page 4-15| FQ8:173 FQ9:231 FQ10:143 FQ12:203 FQ20:168
- 1938 19.682 The Grand Canyon rattlesnake; a remarkable environmental product. *Nature Magazine*, 31(8) (October): 471-472.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 88| |CITED» GCNHA Monograph 8: page 4-15|
- 1938 19.683 Song sparrow records from the Grand Canyon in northern Arizona. *The Wilson Bulletin*, 50 (March): 60-61.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-37|
- 1939 19.2790 Taking a wildlife census. *Region III Quarterly* (U.S. National Park Service), 1(2) (October).
- 1940 19.2788 Wild turkeys. *Region III Quarterly* (U.S. National Park Service), 2(4) (October): 38-41.
- 1994 19.684 Some wildlife observations. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 109. [Reprinted from *Grand Canyon Nature Notes*, July, 1934.]
- 1994 19.685 A curious collection. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 113-114. [Reprinted from *Grand Canyon Nature Notes*, October, 1934.]

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**Graves, Henry S.**

- 1911 19.3499 *Report of the Forester for 1911*. Washington, D.C.: U.S. Government Printing Office. [Offprint from U.S. Department of Agriculture, Annual Report. See p. 58: On the Grand Canyon National Game Preserve "all species of game animals and birds multiplied encouragingly." (ENTIRE NOTE)]
- 1912 19.3500 *Report of the Forester for 1912*. Washington, D.C.: U.S. Government Printing Office. [Offprint from U.S. Department of Agriculture, Annual Report. See pp. 67-68: Notice of increases in animal populations on Grand Canyon Game Preserve. "No attempt has

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

been made to stock the Grand Canyon game refuge with introduced species, and the only game animals within the refuge are those indigenous to the locality, which have multiplied encouragingly." (p. 68) (ENTIRE NOTE)]

- 1913 19.3501 *Report of the Forester for 1913*. Washington, D.C.: U.S. Government Printing Office. [Offprint from U.S. Department of Agriculture, Annual Report. See p. 38: "On the Grand Canyon game refuge the deer and birds native to the region have multiplied in such numbers that the success of the preserve is assured." (ENTIRE NOTE)]
- 1914 19.3502 *Report of the Forester for 1914*. Washington, D.C.: U.S. Government Printing Office. [Offprint from U.S. Department of Agriculture, Annual Report. See p. 10, note of contract sale of 1,000,000,000 [board] feet of western yellow pine on the Kaibab National Forest. See p. 23: "The deer within the Grand Canyon Game Refuge have increased, it is estimated, to 10,000 in number as the result of the active campaign against their natural enemies, the mountain lion and bobcat, together with the almost complete prevention of hunting. There has been a corresponding gain in other species indigenous to the region." (ENTIRE NOTE)]

**Gray, Asa**

- 1878 19.686 Contributions to the botany of North America. *American Academy of Arts and Sciences, Proceedings*, 13: 361-374. [See *Astragalus subcinereus*, new species, from "Mokiak Pass in the northwestern part of Arizona, near the Utah boundary, Dr. E. Palmer, 1877" (p. 366); *A. scaposus*, new species, from "Mokiak Pass, near the northeastern [sic] corner of Arizona, Dr. E. Palmer, 1877" (p. 366); *A. amphioxys*, new species, localities include note, "collected in 1877 by Dr. Palmer on the borders of Utah and Arizona" (pp. 366-367); *A. mokiacensis*, from "Mokiak Pass, on the borders of Utah and N. W. Arizona, Dr. Palmer, 1877" (p. 367); *A. humistratus* Gray, var., from "Mokiak Pass" (p. 369); *A. artipes*, new species, from "Mokiak Pass, northwest corner of Arizona" (p. 370); *Actinella biennis*, new species, localities include "Mokiak Pass south of St. George" (p. 373).]
- 1886 19.3022 Contributions to American botany. *American Academy of Arts and Sciences, Proceedings*, 21: 363-413. [See p. 413.]
- 1886 19.3023 *Synoptical flora of North America: The Gamopetalæ, being a second edition of Vol. I. Part II. and Vol. II. Part I., collected. Published by the Smithsonian Institution, Washington*. New York: Ivison, Blakeman, Taylor, and Company; London: Wm. Wesley, and Trübner and Co.; and Leipsic: Oswald Weigel, 480, 494 pp. [With separate title-page as *Smithsonian Miscellaneous Collections*, (591): *Synoptical Flora of North America. The Gamopetalæ. A second edition of Vol. I, Part II, and Vol. II, Part I, collected*. Washington, D.C.: Smithsonian Institution. 1888.] [See within (separate title-page, 1886): *Synoptical Flora of North America. Vol. II.—Part I. Gamopetalæ after Compositæ. Second edition. Published by the Smithsonian Institution, Washington*. New York: Ivison, Blakeman, Taylor, and Company; London: Wm. Wesley, and Trübner and Co.; and Leipsic: Oswald Weigel (494 pp.). See specifically under *Phacelia* Juss. (p. 413 and following), *P. glechomæfolia* (p. 417), which notes, "Between Peach Springs and the Grand Cañon of the Colorado, May, 1885, A. Gray."]
- 1888 19.4561 Conspicuous plants of the Grand Cañon. *From*: Tracy, S. M. [Samuel Mills], Report of an investigation of the grasses of the arid districts of New Mexico, Arizona, Nevada, and Utah. *In*: Report of an investigation of the grasses of the arid districts of Texas, New Mexico, Arizona, Nevada, and Utah, in 1887. *U.S. Department of Agriculture*,

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

*Botanical Division, Bulletin 6*, p. 13. [Transcribed by Tracy from “a ‘visitors’ register’ at the camp here” (*i.e.*, entry from a guest book during a visit to the Farlee Hotel in Peach Springs Canyon by Prof. and Mrs. Gray May 3, 1885).] [See Gray (1893, [ITEM NO. 2.13801](#)) for remarks in correspondence to Joseph Dalton Hooker, May 1885. Gray also notes there that his visit was on May 4 (thus likely May 3-4).] [**NOTE:** The Farlee Hotel guest book does not survive.]

- 1895      19.4673      Order I. Ranunculaceæ. *In:* Gray, Asa, *Synoptical flora of North America: Vol. I.—Part I. Fascicles I and II. Polypetalæ from the Ranunculaceæ to the Polygalaceæ. (Thalamifloræ et Discifloræ.)* (Benjamin Lincoln Robinson, ed.). New York, Cincinnati, and Chicago: American Book Co.; Cambridge, Massachusetts: Cambridge Botanical Supply Company; London: William Wesley and Son; Leipsic: Oswald Weigel, pp. 1-57. [See *Crossosoma bigelovii* Watson, p. 57: *note*, notice of ?*C. parviflora* Robinson & Fernald, “first collected in the Grand Cañon of the Colorado by *Dr. Gray*”.] [Volume, 506 pp., published in two fascicles, 1895, 1897. This citation from fascicle 1.]
- 1900      19.3613      Some conspicuous plants of the Canyon . . . . *In:* James, George Wharton, *In and around the Grand Canyon: The Grand Canyon of the Colorado River in Arizona*. Boston: Little, Brown, and Co., pp. 321-322. [Transcribed “from the Canyon Hotel Register at the Peach Springs Trail”; written during a visit to the Farlee Hotel, Diamond Creek, by Prof. and Mrs. Gray, 3-4 May 1885.]

**Gray (Professor); Torrey (Professor); Thurber (Professor); AND Engelmann (Dr.) [Gray, Asa; Torrey, John; Thurber, George; AND Engelmann, George]**

- 1861      19.687      Botany. *In:* Ives, Joseph C., *Report upon the Colorado River of the West, explored in 1857 and 1858 by Lieutenant Joseph C. Ives, Corps of Topographical Engineers, under the direction of the Office of Explorations and Surveys, A. A. Humphreys, Captain Topographical Engineers, in charge. By order of the Secretary of War. U.S. 30th Congress, 1st Session, House and Senate Executive Document 90*. Washington, D.C.: U.S. Government Printing Office [1861], Part 4, 30 pp. (“By Professors Gray, Torrey, Thurber, and Dr Engelmann”. With 1860 date.) [Botany section apparently arranged or edited by John Strong Newberry; see p. 20, footnote.] [See Ives (1861, [ITEM NOS. 2.3584, 2.3585](#)), regarding the full volume.]

≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 8: page 4-15 to 4-16](#) |

**Gray, Bill**

- 2008      19.4006      Salt Lake Chapter trek to the Beaver Dam Mountains. *Sego Lily* (Utah Native Plant Society), 31(4) (July): 1, 4-5. [Includes plant list, p. 5.]

**Gray, Lorri, AND Benemelis, Perri**

- 2006      19.2715      Multi-species conservation program. *In:* *Law of the Colorado River : May 11-12, 2006, Tucson, Arizona*. [Denver]: CLE International.

**Green, Keith**

- 2010      19.3030      The visible boundary between the forests of Kaibab National Forest and Grand Canyon National Park. *The Ol' Pioneer* (Grand Canyon Historical Society), 21(1) (Winter): 8-9. [Review of research by Christopher Holcomb. North Rim; includes a space view.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 2014 19.4408 (WITH Tom Martin) Park to prepare EIS/Bison Management Plan. *The Bulletin* (Grand Canyon Historical Society), 18(3) (May/June): 1-2. [Environmental Impact Statement.]
- 2017 19.5452 NPS floats initial bison herd reduction Environmental Assessment. *The Bulletin* (Grand Canyon Historical Society), 21(2) (Spring): 3. [Accompanied by announcement, "North Rim Bison Monitoring Outings".]

**Green, L. T.; Phillips, Arthur M., III; AND Mazzoni, Jill**

- NO DATE 19.5500 *Final report. River resource monitoring project—vegetation studies, Grand Canyon National Park. Part I.* Report submitted by Steven W. Carrothers to R. Roy Johnson, Cooperative National Park Resources Studies Unit, University of Arizona, Tucson, 42 pp. [1980?]

**Green, Larry**

- 1975 19.3452 Best hunting hotspots in the West; Alaska, California, Arizona, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming. *Field and Stream*, 80(5) (September): 48-53. [Includes notice of Kaibab Plateau.]

**Green, Nancy Rivest**

- 2016 19.5314 *Stalking the wild dragonfly : stories of experiences in nature.* (Illustrations by Valjessie O'Feeney, aka Val Stannard.) Flagstaff, Arizona: Vishnu Temple Press, 159 [160] pp. [Focuses largely on Grand Canyon experiences.]  
[≡ REVIEWS AND NOTICES](#) [Lago, 2016, ITEM NO. 30.1225](#)

**Green, Rhys E.; Hunt, W. Grainger; Parish, Christopher N.; AND Newton, Ian**

- 2008 19.2848 Effectiveness of action to reduce exposure of free-ranging California condors in Arizona and Utah to lead from spent ammunition. *PLoS One*, 3(12): e4022 (doi: 10.1371/journal.pone.0004022).
- 2009 19.5358 Effectiveness of action to reduce exposure of free-ranging California condors in Arizona and Utah to lead from spent ammunition. *In*: Watson, R. T., Fuller, M., Pokras, M., and Hunt, W. G. (eds.), *Proceedings of the conference : Ingestion of Spent Lead Ammunition : Implications for Wildlife and Humans : 12-15 May 2008, Boise State University, Idaho, United States of America.* Boise, Idaho: The Peregrine Fund. [Reprint of Green et al. (2008, ITEM NO. 19.2848).]

**Greenburg, David L.**

- 1999 19.688 *An analysis of genetic variation in Little Colorado spinedace (Lepidomeda vittata) using amplified fragment length polymorphic markers.* Master's thesis, Northern Arizona University, 66 pp.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Greene, Edward Lee**

- 1881 19.3684 New species of plants from New Mexico. *Botanical Gazette*, 6(1) (January): 156-158. [See pp. 156-157, *Delphinium scaposum*; "I am informed by Dr. Gray that Prof. Newberry obtained what appears to be the same, south of Diamond River [Diamond Creek] in Arizona." (ENTIRE NOTE)]
- 1890 19.3481 Bibliographical notes on well known plants.—X. *Torrey Botanical Club, Bulletin*, 17(1) (January 15): 13-14. [See p. 13, note: "In the deep cañons of Northern Arizona which lead down to the Grand Cañon of the Colorado, I discovered a few months since an exceedingly interesting shrub which will bear the following name and description: [¶] *Rhus Canadensis*, Marsh., var. SIMPLICIFOLIA. [Brief description follows.]" New variety.]
- 1890 19.3658 Notes on western oaks. *Pittonia*, 2 [1889-1892]: 111-114. [See *Quercus turbinella* Greene, from Grand Canyon region (pp. 113-114).]
- 1893 19.3174 Miscellaneous notes and news. *Erythea*, 1(12) (December): 260-261. [See p. 261, notice of Norman C. Wilson botanical field work in "some of the deep canons of northwestern Arizona" including "back of Peach Springs" (likely Diamond Creek).] [Item signed "E.L.G."]
- 1900 19.3198 Studies in the Cruciferae.—III. *Pittonia*, 4 [1899-1901]: 187-207. [See pp. 194-195.]
- 1905 19.3209 Segregates of the genus *Rhus*. *Leaflets of Botanical Observation and Criticism*, 1: 114-144. [See *Schmaltzia cissodes*, new species, from "Grand Cañon of the Colorado, Ariz., near Indian Garden, Bright Angel Trail, C. H. Merriam, 10 May, 1903" (p. 136); *S. hirtella*, new species, from "Grand Cañon of the Colorado, Ariz., 10 July, 1892, E. O. Wooton" (p. 137).] [Date of publication for pp. 129-144, November 29, 1905 (see p. 129).]
- 1906 19.3324 The genus *Ptelea* in the western and southwestern United States and Mexico. *U.S. National Herbarium, Contributions*, 10(2): 149-179. [See pp. 50, 52, and the following descriptions of new species from Grand Canyon: *P. nitida* (p. 71), *P. argentea* (p. 71), *P. triptera* (pp. 71-72), *P. lutescens* (p. 72), *P. elegans* (p. 72), *P. confinis* (p. 72), *P. saligna* (p. 73).]
- 1909 19.5558 New plants from Arizona. *Leaflets of Botanical Observation and Criticism*, 2: 20-24. [See *Senecio stygius*, new species, p. 21; type "Grand Cañon of the Colorado, J. G. Lemmon, May, 1884. In U. S. Herb., the sheet not numbered."]
- 1911 19.5559 Some southwestern mulberries. *Leaflets of Botanical Observation and Criticism*, 2: 112-121. [See p. 121, *Morus grisea*, new species. "This fine specimen of this is on U. S. Herb. sheet 41506, and purports to have been collected forty years ago, by Dr. Edw. Palmer, at 'Hell Cañon, Arizona'; I presume in the northwestern part of the State, in some arm or tributary of the Grand Cañon." [Date of publication for pp. 105-120, 6 October 1910 (see p. 105); date for pp. 121-152, 11 May 1911 (see p. 121).]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Greenman, J. M. [Greenman, Jesse More]**

- 1901 19.5556 *Monographie der nord- und centralamerikanischen Arten der Gattung Senecio. I. Teil. Allgemeines und Morphologie : Inaugural-Dissertation.* Leipzig: W. Engelmann, 37 pp. (Preprint of *Engler's botanische Jahrbücher*, Band XXXII, Heft 1, 1902.)
- 1914 19.5557 Descriptions of North American Senecioneæ. *Missouri Botanical Garden, Annals*, 1(3) (September): 263-291. [See "*Senecio* (§ *Lobati*) *prolixus*, comb. nov.", pp. 264-265, which synonymizes *S. diffusus* Greenm. Monogr. *Senecio*, Pt. 1, 24. 1901" (see Greenman, 1901, [ITEM NO.](#) 19.5556).] [*Senecio prolixus*, new combination, type Gray Herb., *J.G. Lemmon*, 3130 (1884).]
- 1917 19.3587 Monograph of the North and Central American species of the genus *Senecio*—Part II [continued]. *Missouri Botanical Garden, Annals*, 4(1) (February): 15-36. [See *S. lynceus* Greene, pp. 21-22; *Senecio stygius* Greene, pp. 27-28. Includes Grand Canyon specimens.]
- 1918 19.3588 Monograph of the North and Central American species of the genus *Senecio*—Part II [continued]. *Missouri Botanical Garden, Annals*, 5(1) (February): 37-109. [See *S. werneriaefolius* Gray, pp. 60-62, including Kaibab Plateau specimens.]

**Greenwald, Noah**

- 1998 19.689 *Betrayal of an endangered species : status and management of the southwestern willow flycatcher.* Tucson: Southwest Center for Biological Diversity. (Endangered Species Series, 40.)

**Greer, Amy L., AND Collins, James P.**

- 2007 19.2966 Habitat fragmentation as a result of biotic and abiotic factors controls pathogen transmission throughout a host population. *Journal of Animal Ecology*, 77(2) (March): 364-369. [Includes Ranavirus in tiger salamanders, Kaibab Plateau.]

**Greer, Amy L.; Brunner, J. L.; AND Collins, James P.**

- 2009 19.3012 Spatial and temporal patterns of *Ambystoma tigrinum* virus (ATV) prevalence in tiger salamanders *Abystoma triginum nebulosum*. *Diseases of Aquatic Organisms*, 85(1) (May): 1-6.

**Greer, R. D.**

- 1982 19.690 *Avian community structure of North Rim, Arizona.* Master's thesis, University of Idaho, 83 pp.  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 8: page 4-37](#)

**Gregorn, Yannick**

- 2003 19.4638 Zimotrđni ali prezimni kaktusi—1. del. Winter hardy cacti. Part 1. *Welwitschia* (Društva prijateljev kaktusov Slovenije, Glasilo) (Friends of Cacti Society of Slovenia, Journal [Newsletter]) (Lesce, Slovenia), 6(1/4): 22-27. [See p. 27 (species listings only): "*Pediocactus pleebesianus* var. *fickeisenii* [*sic*, *P. peeblesianus* var. *fickeiseniae*]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

(JZ Grand Canyon, območje Hualapai Hiltop [*sic*], Coconino County—Arizona (ZDA))”, “*Pediocactus paradinei* (Coconino County,—S Arizona (ZDA))”, “*Pediocactus bradyi* (Cocomino [*sic*] County—Arizona (ZDA))”.] [In Slovenian, with bilingual title.]

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**Gregory, Mike**

1983 19.4517 [Letter.] *In*: Letters [SECTION]. *NCAP News* (Northwest Coalition for Alternatives to Pesticides, Eugene, Oregon), 3(4) (Fall 1983/Winter 1984): 1. [Comments on Sierra Club Grand Canyon Chapter’s efforts in Arizona, including note, “. . . the Kaibab NF did agree not to spray 300,000 acres on the rim of the Grand Canyon to stop Pandora Moth . . . .”]

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**Griffin, Chelsea**

2019 19.6300 Rising Leaders; a Kane Ranch sunrise. *In*: Postcards from the Field [SECTION]. *Colorado Plateau Advocate*, (Fall/Winter): 31. [Rising Leaders Program and non-profit Terra Birds maintaining native-plant gardens.]

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**Griffin, Martin**

2001 19.4918 Isolation mechanisms. *Bio Factsheet* (Curriculum Press, Birmingham, United Kingdom), (92) (September), 4 pp. [See p. 2, discussion of “Geographical isolation” that mentions, “Grand Canyon in Colorado [*sic*], USA, is no barrier to flying birds but it is to rodents.” No further specific note of Grand Canyon.]

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**Griffin, Sarah**

2013 19.5993 Environmental history of river restoration in Grand Canyon National Park [ABSTRACT]. *In*: *8th Annual Natural and Behavioral Sciences Undergraduate Research Symposium Program, Fort Lewis College, 2013*.

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**Griffith, Glenn E.; Omernik, James M.; Johnson, Colleen Burch; AND Turner, Dale S.**

2014 19.4506 Ecoregions of Arizona. *U.S. Geological Survey, Open-File Report 2014-1141*, 1 sheet (2 sides). [Poster.]

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**Grijseels, Sietske; Nielsen, Jens Christian; Randelovic, Milica; Nielsen, Jens; Nielsen, Kristian Fog; Workman, Mhairi; AND Frisvad, Jens Christian**

2016 19.5219 *Penicillium arizonense*, a new, genome sequenced fungal species, reveals a high chemical diversity in secreted metabolites. *Scientific Reports* (Springer Nature), 6(35112), doi:10.1038/srep35112, 13 pp. [“A new soil-borne species belonging to the *Penicillium* section *Canescentia* is described, *Penicillium arizonense* sp. nov. (type strain CBS 141311<sup>T</sup>=IBT 12289<sup>T</sup>).” *Penicillium arizonense* Frisvad, Grijseels and J.C. Nielsen, new species; “Type: Herb. C-F-101845, cultures ex type IBT 12289=CBS 141311, from a sample of dry red soil, south rim of Grand Canyon, Grand Canyon Village, Arizona, USA (36° 3′ 22.31″ N; 112° 7′ 30.73″ W), Per V. Nielsen [Per Væggemose Nielsen], July 1990”; additional cultures “from same source as the culture



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

ex type, but not of the same clone.”] [*Penicillium arizonense* Frisvad, Grijseels and J.C. Nielsen in Grijseels *et al.*, new species.]

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**Grinder, Martha I.; Krausman, Paul R.; AND Hoffmann, Robert S.**

2006 19.4920 *Equus asinus*. *Mammalian Species*, (794), 9 pp. [Grand Canyon feral populations noted, p. 4.]

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**Grinnell, George B.**

1924 19.691 The starving deer of the Kaibab Forest. *The Outlook* (New York), 136: 186-187.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-16|

1928 19.692 Mountain sheep. *Journal of Mammalogy*, 9 (February): 1-9.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-16|

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**Grinrod, Paul**

2001 19.2041 Raptor migration monitoring. *Nature Notes* (Grand Canyon National Park), 17(1) (Summer): 4-5, 7.

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**Grigione, Melissa; Scoville, Alison; Scoville, Gerald; AND Crooks, Kevin**

2007 19.2894 Neotropical cats in southeast Arizona and surrounding areas: Past and present status of jaguars, ocelots and jaguarundis. *Mastozoología Neotropical* (Argentina), 14(2): 189-199. [Grand Canyon jaguars noted, p. 192.]

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**Griscom, L., AND Sprunt, A., Jr.**

1957 19.694 *The warblers of America*. New York: Devin-Adair Co., 356 pp.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-37|

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**Grissell, E. E.**

1983 19.4649 *Boharticus*, n. gen., with a review of *Rhopalicus* Foerster and *Dinotiscus* Ghesquiere (Hymenoptera: Pteromalidae). *Pan-Pacific Entomologist*, 59(1/4): 78-102. [New genus. See *Boharticus margaretae*, new species (pp. 86-87, Figures 2 (p. 81), 13 (p. 85), 17 (p. 85)); specifically, p. 87, citing paratype specimen (USNM) from “8 miles SW Peach Springs, 4500’, 7 September 1964, C. W. O’Brien, ex *Juniperus*.”]

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**Gritten, David**

1981 19.695 Sure it was donkey work but Cleveland Amory and his crew saved the Grand Canyon burros. *People*, 15(13) (April 6): 42-43.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-16|

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Grodziński, Zygmunt**

- 1959 19.6236 Stulecie Darwinowskiej „walki o byt”. *Wszecławiat* (Polskie Towarzystwo Przyrodników im. Kopernika, Kraków), 1959(9)(1901) (September): 227-232. [Kaibab deer herd, see pp. 228-229.] [In Polish.]

**Grønlien, Helge**

- 2004 19.6240 (ED.) Hønehauken i Norge : bestandens status og utvikling siste 150 år. *Norsk Ornitologisk Forening, Rapportserie* (Trondheim), (5), 42 pp. [See pp. 8, 35, notes regarding goshawk studies on the Kaibab Plateau, with reference to Crocker-Bedford (1990, ITEM NO. 19.2282).] [In Norwegian.]

**Gross, Briana L.; Schwarzbach, Andrea E.; AND Rieseberg, Loren H.**

- 2003 19.5213 Origin(s) of the diploid hybrid species *Helianthus deserticola* (Asteraceae). *American Journal of Botany*, 90(12): 1708-1720. [Samples include *H. deserticola* from “Jct. of road to Lone Road and Hwy 89, Coconino C., AZ” and *H. petiolaris* from “16.1 km S of Page on Hwy 89, Coconino Co., AZ”.]

**Gross, Peter**

- 1974 19.6987 Scientist Syd spends successful sabbatical studying Big Bend bugs. *Faculty Exchange* (Millersville State College, Millersville, Pennsylvania), 7(9) (March 6): [unpaginated, 2 pp.] [Entomologist Sydney Radinovsky, Biology Department. Includes a paragraph noting that a stop at Grand Canyon National Park found him in a freak snowstorm at the bottom. No details.]

**Gröbler, Andreas [Grössler, Andreas]; Rouwette, Étienne; AND Vennix, Jac**

- 2016 19.5475 Non-conscious vs. deliberate dynamic decision-making—a pilot experiment. *Systems* (MDPI: Multidisciplinary Digital Publishing Institute, Basel, Switzerland), 4(13), 11 pp. [Kaibab Plateau model.]

**Grover-Bullington, Lenore**

- 2004 19.2454 Natural resource facts at your fingertips. *Nature Notes* (Grand Canyon National Park), (Spring): 12.

**Grubb, Teryl G.; Gatto, Angela E.; Pater, Larry L.; AND Delaney, David K.**

- 2012 19.3849 *Response of nesting northern goshawks to logging truck noise, Kaibab National Forest, Arizona. Final report to Southwest Region (R-3), U.S. Forest Service.* [No imprint], 31 pp.

**Grubb, Teryl G.; Pater, Larry L.; AND Delaney, David K.**

- 1998 19.2293 Logging truck noise near nesting northern goshawks. *U.S. Forest Service, Rocky Mountain Research Station, Research Note RMRS-RN-3*, 2 pp.

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**Grubb, Teryl G.; Pater, Larry L.; Gatto, Angela E.; AND Delaney, David K.**

- 2013 19.4470 Response of nesting northern goshawks to logging truck noise in northern Arizona. *Journal of Wildlife Management*, 77(8): 1618-1625.
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**Grumbine, R. E.**

- 2015 19.4855 Discovering common ground in climate change impacts and adaptation: lessons from the Asian highlands and the southern Colorado Plateau [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 38. [Arizona Strip.]
- 2017 19.5843 Collaborative resource management on the Colorado Plateau using science-based partnerships: an introduction [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. 66. [Regarding North Rim Ranches (Kane Ranch, Two Mile Ranch).]
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**Gu, Xin; Lee, Thomas; Geng, Tao; Liu, Kang; Thoma, Richard; Crowley, Kathleen; Edrington, Thomas; Ward, Jason M.; Wang, Yongcheng; Flint-Garcia, Sherry; Bell, Erin; AND Glenn, Kevin C.**

- 2017 19.5516 Assessment of natural variability of maize lipid transfer protein using a validated sandwich ELISA. *Journal of Agricultural and Food Chemistry*, 65: 1740-1749. [Data include the landrace flint hybrid "Havasupai" (pp. 1745, 1746).] [Enzyme-linked immunosorbant assay.]
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**Guardado, Tania Parra**

- 2023 19.6814 [Interview.] *In: Polk internships help students find their path, purpose, and passion. Canyon Views* (Grand Canyon Conservancy), 30(3) (Winter 2023/2024): 13-15. [Eugene T. Polk Science Fellowship internships at Grand Canyon National Park. Includes interviews with interns Tania Parra Guardado (vegetation on the North Rim) and Baylee Christensen (juniper tree dieback and establishing native pollinator gardens on the North Rim).]
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**Gucker, Corey L., AND Shaw, Nancy L.**

- 2018 19.6482 Small-leaf globemallow, *Sphaeralcea parvifolia* A. Nelson, Malvaceae—Mallow family. *In: Gucker, Corey L., and Shaw, Nancy L. (eds.), Western forbs: biology, ecology, and use in restoration.* Reno, Nevada: Great Basin Fire Science Exchange, 16 pp. [separately paginated].
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**Guerin, Emily**

- 2012 19.3710 Followup. *In: The Latest* [SECTION]. *High Country News*, 44(19) (November 12): 7. [Razorback sucker caught in Grand Canyon National Park, 50 miles from Lake Mead, the first found in the park in 20 years. Specific locality not identified.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**Guerra, Stepanie**

- 2011 19.3557 *Tracking each fish: Humpback chub reintroductions and PIT-tag technology.* Washington, D.C.: Cooperative Ecosystem Studies Units, 2 pp. [Passive Integrated Transponder.]

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**Guertin, Stephen**

- 2013 19.4055 Endangered and Threatened wildlife and plants; Determination of Endangered status for *Sphaeralcea gierischii* (Gierisch Mallow) throughout its range. *Federal Register*, 78(156) (August 13): 49149-49165.

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**Gulliford, Andrew**

- 2014 19.4395 Animal encounters. *In*: Gulliford, Andrew (ed.), *Outdoors in the Southwest : an adventure anthology.* Norman, Oklahoma: University of Oklahoma Press, pp. 319-332. [Not signed. Includes California condors at Marble Canyon.]

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**Guillot Ortiz, Daniel; Rosselló Picornell, Josep Antoni; AND Laguna Lumbreras, Emilio**

- 2008 19.4913 Taxones y cultones de la serie *Basilares* Britton & Rose, del género *Opuntia* Mill., cultivados en la Comunidad Valenciana. *Bouteloua* (Valencia, Spain), 4: 3-14. [See discussion of *O. basilaris* Engelm. & Bigelow (pp. 3-4); specifically, p. 4, notes pertaining to *O. b.* var. *longiareolata* (Clover & Jotter) L. Benson, from along Colorado River in Grand Canyon.] **[In Spanish.]**

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**Gulya, T. J.**

- 1992 19.3628 Native American variety may provide sunflower crop with crucial resistance. *Diversity* (Genetic Resources Communications Systems, Inc., Washington, D.C.), 8(4): 29-30. [Havasupai sunflower cultivar resistant to rust.]

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**Gunn, Charles R., AND Seldin, Margaret J.**

- 1976 19.3330 Seeds and fruits of North American Papaveraceae. *U.S. Department of Agriculture, Agricultural Research Service, Technical Bulletin 1517*, 96 pp. [See pp. 26, 30, *Argemone arizonica* G. B. Ownbey, Arizona prickly-poppy, from Grand Canyon.]

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**Gunn, Terry**

- 2001 19.3774 Terry Gunn: Lees Ferry Anglers owner and guide. *In*: Henry, Alex S., Colorado's sightfishing mecca. *The Western Flyfisher*, (June): 11. [Quotation sidebar.]
- 2010 19.3793 Fly of the month. *Sespe Fly Fishers* (Sespe Flyfishers, Ventura, California), 35(6) (June): [6]. [Zebra midge, originated by Ted Welling; and Lees Ferry Scud, originated by Len Holt.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Gunn, Terry, AND Gunn, Wendy**

- 2013 19.5146 *50 best tailwaters to fly fish.* (Foreword by Lefty Kreh.) Bloomington, Indiana: Stonefly Press, 254 pp. [See "Lees Ferry (Colorado River, Northern Arizona)", cover, pp. 2-5.]
- 2016 19.5154 *25 best national parks to fly fish.* (Foreword by Jonathan B. Jarvis.) West Palm Beach, Florida: Stonefly Press, 269 [271] pp. [See "Grand Canyon National Park", pp. 98-105. [Includes the Lees Ferry fishery.]

**Gunn, Terry, AND Rice, Will**

- 2009 19.4021 [Terry Gunn interview.] *In:* They said it: [SECTION]. *Angling Trade* (Boulder, Colorado), (March): 26. [Gunn is owner of Lees Ferry Angles Guides and Fly Shop and Cliff Dwellers Lodge.]

**Guse, Neal G., Jr.**

- 1974 19.696 Colorado River bighorn sheep survey. *Plateau*, 46: 135-138.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 88| |CITED» GCNHA Monograph 8: page 4-16|

**Gushue, Thomas M.; Breedlove, Michael J.; Andrews, Timothy; Schmidt, Jack C.; AND Hansen, Jered R.**

- 2008 19.2764 Shoreline habitat and geomorphic mapping of the Colorado River ecosystem in Grand Canyon, Arizona [ABSTRACT]. *In:* *Colorado River Basin Science and Resource Management Symposium 2008. Coming together: Coordination of science and restoration activities for the Colorado River ecosystem : abstracts : November 18-20, 2008, Doubletree Resort Hotel, Scottsdale, Arizona.* [No imprint], p. 37.
- 2008 19.2778 Internet mapping services facilitate distribution and analysis of shoreline habitat classifications of the Colorado River in Grand Canyon [ABSTRACT]. *In:* *Colorado River Basin Science and Resource Management Symposium 2008. Coming together: Coordination of science and restoration activities for the Colorado River ecosystem : abstracts : November 18-20, 2008, Doubletree Resort Hotel, Scottsdale, Arizona.* [No imprint], p. 82.

**Gushue, Thomas M.; Thomas, Joseph E.; AND Andrews, Caitlín M.**

- NO DATE 19.6971 *Modernizing data telemetry efforts for important riparian resources in Grand Canyon.* U.S. Geological Survey, Southwest Biological Science Center, Grand Canyon Monitoring and Research Center, poster. [Fiscal Year 2022.]

**Gyula, Tamás**

- 1981 19.5141 A sclerocactus genus Br. et. R. *Csili* (Kaktuszkedvelo Szakkőr Tájékoztatója, Budapest), 17(4): 107-110. [References to Grand Canyon and Pipe Spring, see p. 109, *Sclerocactus havasupaiensis* Clov. [and] varietas *roseum* Clov., *S. intermedius* Peebl., and *S. parviflorus* Clov. et Jott.] [In Hungarian.]

## H

**Haas, Sarah K.; Healy, B. D.; Schelly, R. C.; Koller, R. C.; AND Smith, E. O.**

- 2019 19.6279 A review of a decade of conservation actions for imperiled desert fishes in Grand Canyon tributaries: implications for conservation of large-river fishes [ABSTRACT]. *In: 15th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region : theme: "Science and Solutions for Conserving the Southwest's Land, Water, Biodiversity and Cultures" : September 9-12, 2019, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona, p. 50.*

**Haber, Erich**

- 1992 19.697 Monotropaceae; Indian pipe family. *In: Vascular Plants of Arizona Editorial Committee, A new flora for Arizona in preparation. Arizona-Nevada Academy of Science, Journal, 26(1): 15-16.*  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-37|
- 1992 19.698 Pyrolaceae; wintergreen family. *In: Vascular Plants of Arizona Editorial Committee, A new flora for Arizona in preparation. Arizona-Nevada Academy of Science, Journal, 26(1): 22-28.*  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-37|

**Haden, G. Allen**

- 1992 19.4225 *Nonnative fishes of the Grand Canyon : a review with regards to their effects on native fishes.* [Flagstaff, Arizona]: Glen Canyon Environmental Studies, 29 pp.
- 1997 19.699 *Benthic ecology of the Colorado River system through the Colorado Plateau region.* Master's thesis, Northern Arizona University, 141 pp.

**Haden, G. Allen; Blinn, Dean W.; AND Shannon, Joseph P.**

- 1999 19.5336 Little Colorado River food base and stable isotope analysis. *In: Gorman, Owen T., and Bramblett, Robert G., Monitoring and studies of native fishes of the Colorado River ecosystem in Grand Canyon, Arizona : interim report : Interagency Acquisition No. 98-AA-40-0040 : FY 1998.* Flagstaff, Arizona: U.S. Fish and Wildlife Service, Grand Canyon Fisheries Resources Office, for Grand Canyon Monitoring and Research Center, Flagstaff, Arizona, and U.S. Bureau of Reclamation, Upper Colorado Region, Salt Lake City, Utah, pp. 31-61.

**Haden, G. Allen; Blinn, Dean W.; Shannon, Joseph P.; AND Gorman, O. T.**

- 2001 19.2417 Food resource limitations of the humpback chub (*Gila cypha*), an endangered cyprinid fish in the Little Colorado River, Arizona, USA [ABSTRACT]. *North American Benthological Society, Annual Meeting, La Crosse, Wisconsin, 2001.*

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Haden, G. Allen; Shannon, Joseph P.; Wilson, Kevin P.; AND Blinn, Dean W.**

- 2000 19.2418 Benthic community composition and standing mass in the Colorado River above and below Glen Canyon Dam, Arizona, USA [ABSTRACT]. *North American Benthological Society, Annual Meeting, Keystone, Colorado, 2000.*

**Hadley, Daniel R.**

- 2014 19.5518 *Geomorphology and vegetation change at Colorado River campsites, Marble and Grand Canyons, AZ.* Master's thesis, Northern Arizona University, 146 pp. + Appendices A-F in Excel format.

**Hadley, Daniel R.; Grams, Paul E.; AND Kaplinski, Matthew A.**

- 2018 19.5969 Integrating high-resolution vegetation data and 14 years of topographic surveys to quantify impacts to sandbar campsites in Grand Canyon National Park [ABSTRACT]. *Geological Society of America, Abstracts with Programs*, 50(6): doi:10.1130/abs/2018AM-324519.
- 2018 19.5997 Quantifying geomorphic and vegetation change at sandbar campsites in response to flow regulation and controlled floods, Grand Canyon National Park, Arizona. *River Research and Applications*, (September): doi:10.1002.rra.3349 + Supporting Information (Table S1, Excel spreadsheet) online.

**Hadley, Daniel R.; Grams, Paul E.; Kaplinski, Matthew A.; Hazel, Joseph E., Jr.; AND Parnell, Roderic A.**

- 2018 19.5921 Geomorphology and vegetation change at Colorado River campsites, Marble and Grand Canyons, Arizona. *U.S. Geological Survey, Scientific Investigation Report 2017-5096*, 64 pp. + Appendices 1-6 available online (comma separated value (.csv) files and an Excel (.xlsx) file), <https://pubs.er.usgs.gov/publication/sir20175096>.

**Hadley, Diana**

- 2008 19.6136 Why we have jaguars in Mexico and not in the United States. *Sonorensis* (Arizona-Sonora Desert Museum, Tucson), (Winter): 26-31. [Includes note of Grand Canyon sightings in 1889 and 1900 (p. 28).]

**Hahn, Martha**

- 2013 19.5156 Native fish restoration in Grand Canyon; saving the "specialists" of the Colorado River. *Ranger* (Association of National Park Rangers, Journal), 29(3) (Summer): cover, 1, 6-7.
- 2013 19.5427 Moving forward collarobatively [*sic*] to address bison management in the Grand Canyon region [ABSTRACT]. *In: 12th Biennial Conference of Science and Management on the Colorado Plateau, September 16-19, 2013, Northern Arizona University, Flagstaff, Arizona : program and abstracts of presented papers and posters.* [Flagstaff, Arizona: Northern Arizona University], p. 69.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Haight, Lois T.**

- 1977 19.700 Seventy-seventh Christmas bird count, Grand Canyon. *American Birds*, 31: 819.  
 ≡ CROSS-LISTINGS [CITED» GCNHA Monograph 2: page 88] [CITED» GCNHA Monograph 8: page 4-16]
- 1979 19.701 Seventy-ninth Christmas bird count, Grand Canyon. *American Birds*, 33: 623.  
 ≡ CROSS-LISTINGS [CITED» GCNHA Monograph 8: page 4-37]

**Haire, Sandra L., AND McGarigal, Kevin**

- 2008 19.2864 Inhabitants of landscape scars: Succession of woody plants after large, severe forest fires in Arizona and New Mexico. *Southwestern Naturalist*, 53(2) (June): 146-161. [Includes Kaibab Plateau.]

**Halbritter, Dale A.; Storer, Caroline G.; Kawahara, Akito Y.; AND Daniels, Jaret C.**

- 2019 19.6486 Phylogeography and population genetics of pine butterflies: Sky islands increase genetic divergence. *Ecology and Evolution*, 9: 13889-13401 + Supplementary Information online, <https://onlinelibrary.wiley.com/doi/full/10.1002/ece3.5793>, (2, 7 pp.) + genetic data, code, alignments, and other output files: Dryad <https://doi.org/10.5061/dryad.4mw6m906h>. [Sampling sites include two on the Kaibab Plateau (pine white butterfly, *Neophasia menapia*).]

**Hall, Dan**

- 2017 19.5685 Why ravenna matters. *Boatman's Quarterly Review*, 30(4) (Winter 2017-2018): 12-14. [Ravenna grass, *Saccharum ravennae*, an invasive fountain grass.]

**Hall, E. Raymond, AND Davis, William B.**

- 1934 19.2193 Notes on Arizona rodents. *Biological Society of Washington, Proceedings* (Washington, D.C.), 47(5): 51-56. [Includes *Thomomys bottae trumbullensis*, new subspecies, from "three miles south of Nixon Spring, Mt. Trumbull".]

**Hall, Jack C., AND Evenhuis, Neal L.**

- 2003 19.5224 Review of the subgenus *Geron* (*Geron*) Meigen in the Nearctic region (Diptera: Bombyliidae: Toxophorinae). *Zootaxa*, (181): 1-72. [See *Geron prosopidis*, new species; paratypes include 11 taken at "S Rim Grand Canyon, 21-22.vii.1932 (R.H. Painter)".]

**Hall, Jeffery O.**

- 2010 19.6391 Common vitamin and mineral deficiencies in AZ Strip and So. Utah. *In: 32nd Annual Range Livestock Workshops : Arizona/Utah : Frontier Movie Town/Kanab, UT—April 6, 2010; Washington County Fairgrounds/Hurricane, UT—April 7, 2010; tour/Atkin' [sic] Ranch—April 8, 2010*, pp. 28-33. [Animal husbandry.]



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Hall, Joseph G.**

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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2016 19.4987 Niederösterreich/Bergensland Berichte. *Gesellschaft Österreichischer Kakteenfreunde, Mitteilungsblatt*, 2016(1/2) (January/February): 8-12. [Cacti. See "Vereinsabend Jänner", pp. 9-11, theme "Pediocacteen am Standort und in Kultur", in which see various remarks on *Pediocactus* species from the House Rock Valley area.] [\[In German.\]](#)

2017 19.6551 Niederösterreich/Bergensland Berichte. *Gesellschaft Österreichischer Kakteenfreunde, Mitteilungsblatt*, 2017(4) (April): 57-58. [Cacti. Principally remarks on a presentation by Kurt Buder, "USA Reise 2014", which includes notes on cactus species seen in House Rock Valley, Marble Canyon, and the Cameron vicinity.] [\[In German.\]](#)

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- 1907 19.3655 (ED.) Compilations. *Muhlenbergia*, 3(5) (August 8): 83-88. [Extracts from Gandoger (1906, ITEM NO. 19.3656). "Only the new forms described in [Gandoger's] paper are given here, followed by the page number. Geographical inaccuracies are corrected whenever evident." (p. 83).] [Grand Canyon, see *E. juncinellum* (p. 85) and *E. macdougallii* (p. 88).]

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**Henry, Brianna L.; Croteau, Marie-Noele; Walters, David M.; AND Cain, Daniel J.**

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**Henry, Brianna L.; Croteau, Marie-Noele; Walters, David M.; Miller, Janet L.; Cain, Daniel J.; AND Fuller, Christopher C.**

2020 19.6560 Uranium bioaccumulation dynamics in the mayfly *Neocloeon triangulifer* and application to site-specific prediction. *Environmental Science and Technology*, 54(18): 11313-11321 + Supplemental Information online (<https://pubs.acs.org/doi/10.1021/asc.est.0c03372>), 7 pp. [". . . mayfly U concentrations were predicted using the water chemistry and U measured in periphyton from springs in Grand Canyon . . ." (from the abstract).]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Henry, Thomas J.**

- 2015 19.5496 Revision of the ceratocapsine *Renodaeus* group: *Marinonicoris*, *Pilophoropsis*, *Renodaeus*, and *Zanchisme*, with descriptions of four new genera (Heteroptera, Miridae, Orthotylinae). *ZooKeys*, 490: 1-156 [entire number]. [See *Ceratocapsidea fusiformis* (Van Duzee), new combination (pp. 32-39, 43, 129) (*Ceratocapsidea*, new genus). *Ceratocapsus clavicornis* Knight is placed in synonymy; type material examined, from Grand Canyon (see Knight, 1925, [ITEM NO. 19.5495](#)).]

**Herder, Michael J.**

- 2000 19.4228 Managing deadwood for bat habitat. *Resource Notes* (U.S. Bureau of Reclamation, National Applied Resource Sciences Center), (17), 2 pp. [Grand Canyon-Parashant National Monument.]

**Herder, Michael J., AND Jackson, Jennifer G.**

- 2000 19.3967 Roost preferences of long-legged myotis in northern Arizona. *Wildlife Society, Western Section, Transactions*, 36: 1-7. [Radiotelemetry studies of *Myotis volans* "and other bat species at Mt. Trumbull".] [Mount Trumbull.]

**Herder, Michael J.; Chambers, Carol L.; Corbett, R. Jason M.; AND Prather, John W.**

- 2005 19.2593 Roosting sites of spotted bats (*Euderma maculatum*) in northern Arizona [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. 50.

**Hermann, Frederick J.**

- 1970 19.751 Manual of the carices of the Rocky Mountains and Colorado basin. *U.S. Forest Service, Agriculture Handbook 374*, 397 pp.

**Hermann, Frederick J., AND Leese, B. M.**

- 1956 19.2097 A grass (*Munroa squarrosa*) apparently cultivated by ants. *American Midland Naturalist*, 56(2) (October): 506-507. [Locality noted as "about 18 miles east of Jacob Lake".]

**Hernández, L. F., AND Rosetti, M. V.**

- 2016 19.5623 Is the abaxial palisade parenchyma in phyllaries of the sunflower (*Helianthus annuus* L.) capitulum a missing trait in modern genotypes? ¿Es el parénquima en empalizada abaxial en las filarias del capítulo del girasol (*Helianthus annuus* L.) un rasgo ausente en los genotipos modernos? *Phyton [Phyton]* (Revista Internacional de Botánica Experimental) (Fundacion Romulo Raggio, Vicente López, Bueno Aires, Argentina), 83: 291-296. [Includes Havasupai variety.] [In English, with bilingual title and abstract.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Hernández Ledesma, Patricia**

- 2011 19.6996 *Sistemática de Mirabilis L. (Nyctaginaceae)*. Doctoral dissertation, Universidad Nacional Autónoma de México, 182 pp. [See **Mirabilis multiflora (Torr.) A. Gray** (pp. 91-95), representative specimens examined include, from Coconino County, "White Pockets, Kaibab Plateau, *Gooding 214-49* (ARIZ); 4 mi. below Hualapai Hilltop, Hualapai Canyon, Grand Canyon National Park, *Theroux 538* (ARIZ)[;] .3 mi SE of the Gap near Lee's Ferry-Cameron Road, *Cutler 3127* (GH); 5 miles above Supai wash, *Theroux 1713* (ARIZ)" and from Mohave County, "1.6 mi N of Peach Springs Wash, *Martin & Van Devender* (ARIZ); . . . Pocom Wash, ca. 18 mi W of Wolf Hole, near Cane Springs, *Mason et al. 2830* (ARIZ); SE Vulcan's Throne Toroweap, *Cottam 13025* US); between Hualapai Wash and junction of Pierce's Ferry Road with U. S. Hwy 466, *Ferris 9888* (GH); Mokiak Springs, 19 mi S of Saint George, *Gould 1625* (ARIZ); Toroweap Valley, Grand Canyon National Monument, *McClintock 52-301* (ARIZ); road Fredonia to Tuweap, about 2 mi NE of Grand Canyon National, [*sic*] *Deaver 6272* (ARIZ)". See **Mirabilis albida (Walter) Heimerl** (pp. 100-106), representative specimens examined include, from Coconino County, "Colorado River. River mi 2, *R. D. Suttkus 80-23-13* (ARIZ); Hualapai Canyon, Grand Canyon National Park, *Howell 26575* (CAS)". See **Mirabilis linearis (Pursh) Heimerl** (pp. 120-123), representative specimens examined include, from Coconino County, "3 mi E of Indian Hollow off FSR 232 Kaibab National Forest, *Ehlers 4657* (MEXU)".
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**Herrera Arrieta, Yolanda**

- 1991 19.4379 *A biosystematic study of Muhlenbergia montana complex (Poaceae, Eragrostideae)*. Master's thesis, McGill University, Montreal, 105 pp. [Populations used for flavonoid analyses include: *M. filiculmis* Vasey from "4 mi N Kaibab Lodge" and Jacob's Canyon Kaibab Plateau. *M. montana* (Nutt.) Hitchc. from Jacob's Canyon, Kaibab Plateau; "Brink of North Rim, Kaibab Plateau"; and Dog Point Road, Kaibab Plateau.]
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**Herrmann, Raymond; Stottlemeyer, Robert; AND Scherbarth, Laura**

- 1998 19.1934 Water use. *In*: Mac, Michael J. (projector director), Opler, Paul A. (science ed.), Haecker, Catherine E. Puckett (technical ed.), and Doran, Peter D. (graphics ed.), *Status and trends of the nation's biological resources*. Reston, Virginia: U.S. Geological Survey, Volume 1, pp. 63-88.
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**Herndon, Kerry Beth**

- 1978 19.3258 [Letter.] *From*: Bullets for Burros? *In*: Letters [SECTION]. *Backpacker*, 6(6) (December 1978/January 1979) (30): 9. [In response to the article by Lionel A. Atwill, "Up to Our Ears in Asses", 6(4) (28), *ITEM NO.* 19.2455.]
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**Hershler, Robert [Herschler, Bob]**

- 2000 19.2362 Using snails as a tool for elucidating paleodrainage. *No Bones Newsletter* (Department of Invertebrate Zoology, National Museum of Natural History, Smithsonian Institution), 14(6) (November/December): 1-2.



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Hershler, Robert, AND Landye, J. Jerry**

- 1988 19.2145 Arizona Hydrobiidae (Prosobranchia: Rissoacea). *Smithsonian Contributions to Zoology*, (459), 63 pp.

**Hershler, Robert; Liu, Hsiu-Ping; AND Mulvey, M.**

- 1999 19.2279 Phylogenetic relationships within the aquatic snail genus *Tryonia*: implications for biogeography of the North American Southwest. *Molecular Phylogenetics and Evolution*, 13(2) (November): 377-391.

**Hershler, Robert; Liu, Hsiu-Ping; AND Stevens, Lawrence E.**

- 2016 19.5617 A new springsnail (Hydrobiidae: *Pyrgulopsis*) from the lower Colorado River basin, northwestern Arizona. *Western North American Naturalist*, 76(1): 72-81. [*Pyrgulopsis hualapaiensis*, new species; types from Upper Peach Springs, Hualapai Indian Reservation, Mohave County, Arizona.]

**Hespenheide, Henry A.**

- 2003 19.2856 New *Lechriops* species for the United States (Coleoptera: Curculionidae: Conoderinae). *The Coleopterists Bulletin*, 57(3): 345-352. [NOTE: The new taxa described are extralimital to this bibliography; biogeographical discussions are pertinent.]

**Hess, Karl, Jr.**

- 1997 19.2718 John Wesley Powell and the unmaking of the West. *Environmental History*, 2(1): 7-28. [Environmental degradation, government oversights, and water resources management.] [See also comment by Worster (1997, [ITEM NO. 19.6993](#)).]  
 ≡ [CROSS-LISTINGS THOMAS 926](#)
- 1997 19.3375 John Wesley Powell and the unmaking of the West. *In*: Baden, John A., and Snow, Donald (eds.), *The next West: Public lands, community, and economy in the American West*. Washington, D.C.: Island Press, pp. 151-180. [Reprinting of Hess (1997, [ITEM NO. 19.2718](#)).]

**Hester, J. Pinckney**

- 1943 19.3779 Two new *Opuntias* from the Grand Canyon region in Arizona. *Cactus and Succulent Journal* (Cactus and Succulent Society of America), 15: 191-194. [*Opuntia hualpaensis*, new species, from on and near the Hualapai Indian Reservation; and *O. abyssi*, new species, from Peach Springs Canyon.]

**Hevly, Richard H.**

- 1961 19.752 Notes on the orchids of northern Arizona. *Plateau*, 33(3) (January): 83-87.  
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**Hewes, Laurence Ilsley**

- 1933 19.753 Butterflies—try and get them. *Sierra Club Bulletin*, 18: 47-55. [See p. 55.]  
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**Hibbard, H. V.**

- 1928 19.754 The geaster or earthstar. *Grand Canyon Nature Notes*, 3(3) (August 31): 2-3.  
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- 1994 19.755 The geaster, or earth star. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 56. [Reprinted from *Grand Canyon Nature Notes*, August, 1928.]
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**Hicks, Jason**

- 2004 19.2820 *Patterns of genetic variability among source and reintroduced populations of elk (Cervus elaphus) in the western states and a genetic assessment of antler abnormalities*. Master's thesis, University of Idaho, 77 pp.
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**Hiebert, Ron**

- 2000 19.2644 (PROJECT OVERSIGHT AND COORDINATION) *Biological inventory of national park areas on the southern Colorado Plateau : proposal for the National Park Service Inventory and Monitoring Office*. (Maureen Stuart, ed.) [Flagstaff, Arizona]: Colorado Plateau Cooperative Ecosystem Studies Unit, and U.S. Geological Survey, Colorado Plateau Field Station, 199 pp. (Section authors and other contributors: Michael Bogan, Anne Cully, Charles Drost, Matthew J. Johnson, Erika Nowak, David Mattson, Trevor Persons, John Spence, Kathryn Thomas.)
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**Higgins, Anna Marie**

- 2011 19.4953 Mixed conifer regeneration following fires of mixed severities of the last eleven years in Grand Canyon National Park [ABSTRACT]. *In*: *Rethinking Protected Areas in a Changing World : The George Wright Society Conference on Parks, Protected Areas and Cultural Sites, March 14-18, 2011, New Orleans, Louisiana : abstracts*. [No place]: George Wright Society, p. 17.
- 2011 19.4041 *The effects of burn entry and burn severity on stand structure and composition in Grand Canyon National Park*. Master's thesis, Northern Arizona University, 117 pp.

**Higgins, Anna M.; Waring, Kristen M.; AND Thode, Andrea E.**

- 2012 19.6534 The effects of burn entry and burn severity on stand structure and composition in Grand Canyon National Park [ABSTRACT]. *In*: *Southwest Fire Science Consortium : Southwest Fire Ecology Conference : "Fire Landscapes, Wildlife and People" : Santa Fe, New Mexico, February 27-March 1, 2012*, p. 106. [Grand Canyon North Rim.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 2015 19.4722 The effects of burn entry and burn severity on ponderosa pine and mixed conifer forests in Grand Canyon National Park. *International Journal of Wildland Fire*, 24(4): 495-506.

**Higgins, Bruce J., AND Kleindienst, Holly P.**

- 2013 19.4264 *Kaibab National Forest : vegetation and fire specialist report : forest plan revision, FEIS*. [No place]: U.S. Forest Service, Southwestern Region, 56 pp. [Final Environmental Impact Statement.]

**Higgins, Larry C.**

- 1974 19.4344 *Cryptantha atwoodii* (Boraginaceae); a new species from Arizona. *Southwestern Naturalist*, 19(2) (July 26): 127-130. [Known only from the type locality on U.S. Route 89 near The Gap, 7 miles north of junction of highway 89 with Arizona Route 164 (*sic*, 64).]

**Hildebrand, Terri**

- 2010 19.6538 *Annotated vascular plant database and publication for Grand Canyon-Parashant National Monument—Phase II: 2010 progress and herbarium report*. Cedar City, Utah: Southern Utah University, for Colorado Plateau Cooperative Ecosystems Study Unit. (Cooperative Agreement H1200-09-0005.)

**Hildebrand, Terri, AND Fertig, Walter**

- 2012 19.6539 *Annotated checklist of the vascular plant flora of Grand Canyon-Parashant National Monument : Phase II report*. Cedar City, Utah: Southern Utah University, and Kanab, Utah: Moenave Botanical Consulting, for Grand Canyon-Parashant National Monument, Southern Utah University, and National Park Service Mojave Network, 213 pp. (Colorado Plateau Cooperative Ecosystems Studies Unit, Cooperative Agreement H1200-09-0005.) ["Phase I of this project focused on confirming identifications and standardizing nomenclature for vascular plant specimens housed in the PARA herbarium in St. George, Utah, as well as relevant collections from the BLM Arizona Strip Field Office (ASD), Northern Arizona University (ASC), and Brigham Young University (BRY). This resulted in a preliminary checklist of the PARA flora that was annotated to include information on synonymy, abundance, growth form, and geographic distribution" (p. 4) [see Fertig (2010, [ITEM NO. 19.6540](#)).]

**Hill, Mar-Elise**

- 2005 19.2541 *Vascular flora of Glen Canyon National Recreation Area, Utah and Arizona*. Master's thesis, Northern Arizona University, 244 pp.

**Hill, Mar-Elise, AND Ayers, Tina**

- 2006 19.5696 *Vascular plant inventory of Glen Canyon National Recreation Area*. Fort Collins, Colorado: U.S. National Park Service, Natural Resource Program Center, SEPARATELY PAGINATED SECTIONS [120 pp. total]. (Natural Resource Technical Report NPS/SCPN/NRTR-2009/264.) [Includes Lees Ferry area.]

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**Hill, W.**

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- 1969 19.757 Sixty-ninth Christmas bird count, Grand Canyon. *Audubon Field Notes*, 23: 390.  
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- 1970 19.758 Seventieth Christmas bird count, Grand Canyon. *Audubon Field Notes*, 24: 417.  
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- 1971 19.759 Seventy-first Christmas bird count, Grand Canyon. *American Birds*, 25: 464.  
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**Hills, L.**

- 1929 19.760 Mariposa lily. *Grand Canyon Nature Notes*, 3(12): 1.  
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**Hilwig, Kara D., AND Coggins, Lewis G.**

- 2008 19.2767 Effects of a high flow event on sonic-tagged juvenile and adult rainbow trout movement in Glen and Marble Canyons, Arizona [ABSTRACT]. *In: Colorado River Basin Science and Resource Management Symposium 2008. Coming together: Coordination of science and restoration activities for the Colorado River ecosystem : abstracts : November 18-20, 2008, Doubletree Resort Hotel, Scottsdale, Arizona.* [No imprint], p. 43.

**Hilwig, Kara D., AND Makinster, Andy S.**

- 2010 19.3241 Evaluating effects of a high-flow event on rainbow trout movement in Glen and Marble Canyons, Arizona, by using acoustic telemetry and relative abundance measures. *In: Melis, Theodore S., Hamill, John F., Coggins, Lewis G., Jr., Grams, Paul E., Kennedy, Theodore A., Kubly, Dennis M., and Ralston, Barbara E. (eds.), Proceedings of the Colorado River Basin Science and Resource Management Symposium, November 18-20, 2008, Scottsdale, Arizona. Coming together: Coordination of science and restoration activities for the Colorado River ecosystem. U.S. Geological Survey, Scientific Investigations Report 2010-5135, pp. 219-225.*
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**Himayama, Yukio; Kumagai, Junichi; Akuchi, Kakuchi, Yoshitaka; AND Shirakawa, Hironobu** [氷見山幸夫; 熊谷潤一; 角地祿崇; 白川博順]

- 2002 19.6230 The trend of recreational developments in Japan since 1980. 日本における 1980 年以降の観光開発動向 [Nihon ni okeru 1980-nen ikō no kankō kaihatsu dōkō]. *Hokkaido University of Education, Taisetsuzan Institute of Science, Reports / 北海道教育大学大雪山自然教育研究施設研究報告* [Hokkaidōkyōikudaigaku Taisetsuzan

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

shizen kyōiku kenkyū shisetsu kenkyū hōkoku] (Asahidake-Onsen, Japan), (36): 73-82. [Includes remarks on the Kaibab deer population of the early 20th century (pp. 9-10) in a statistical comparison with the changes in the number of land transactions in Japan for golf courses during the later 20th century.] [In English, with bilingual item and serial titles and abstract.]

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**Hinchman, Virginia H.** *see also* Birkeland, Ginger Hinchman

1993 19.6375 *Relationships between vegetation and alluvial channel deposits, Little Colorado River, Arizona.* Master's thesis, Arizona State University, 106 pp. [Lower Little Colorado River.]

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**Hinck, Jo Ellen**

2019 19.6280 Results and remaining data gaps from biological studies at breccia-pipe uranium mines in the Grand Canyon watershed [ABSTRACT]. *In: 15th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region : theme: "Science and Solutions for Conserving the Southwest's Land, Water, Biodiversity and Cultures" : September 9-12, 2019, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, p. 55.

**Hinck, Jo Ellen, AND Cleveland, Danielle**

2017 19.5852 Chemistry data in support of manuscript "Pre-mining trace element and radiation exposure to biota from a breccia pipe uranium mine in the Grand Canyon (Arizona, USA) watershed". *U.S. Geological Survey, Data Release*, <https://doi.org/10.5066/F7QF8R16>, metadata, .xml, .csv files. [Manuscript text not included.] [Canyon Mine.] [Supports Hinck, Cleveland *et al.* (2017, ITEM NO. 19.5853).]

2017 19.5845 Using ecological risk analysis to screen for health effects: application at uranium mines [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], pp. 73-74. [Grand Canyon watershed.]

**Hinck, Jo Ellen; Cleveland, Danielle; AND Sample, Bradley E.**

2021 19.6934 Terrestrial ecological risk analysis via dietary exposure at uranium mine sites in the Grand Canyon watershed (Arizona, USA). *Chemosphere*, 265(1) (129049), 10 pp. + Supplemental Information online through <https://doi.org/10.1016/j.chemosphere.2020.129049> + metadata and digital datasets online. [Pinenut Mine, Arizona 1 Mine, Little Robinson Tank site, Canyon Mine.]

**Hinck, Jo Ellen, AND Linder, Greg**

2013 19.5429 Effects of mining to biological receptors at the Canyon Uranium Mine, Coconino County, Arizona [ABSTRACT]. *In: 12th Biennial Conference of Science and Management on the Colorado Plateau, September 16-19, 2013, Northern Arizona University, Flagstaff, Arizona : program and abstracts of presented papers and posters.* [Flagstaff, Arizona: Northern Arizona University], p. 72.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Hinck, Jo Ellen; Brumbaugh, William G.; Cleveland, Danielle; AND Linder, Greg**

- 2015 19.4858 Chemical and radiochemical characterization in biota at the Canyon Uranium Mine, Kaibab National Forest, Coconino County, Arizona [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 41.

**Hinck, Jo Ellen; Cleveland, Danielle; Brumbaugh, William G.; Linder, Greg; AND Lankton, Julia**

- 2017 19.5853 Pre-mining trace element and radiation exposure to biota from a breccia pipe uranium mine in the Grand Canyon (Arizona, USA) watershed. *Environmental Monitoring and Assessment*, 189: 56, doi:10.1007/s10661/s10661-017-5765-1 + Supplementary material online, [https://static-content.springer.com/esm/art%3A10.1007%2Fs10661-017-5765-1/MediaObjects/10661\\_2017\\_5765\\_MOESM1\\_ESM.xlsx](https://static-content.springer.com/esm/art%3A10.1007%2Fs10661-017-5765-1/MediaObjects/10661_2017_5765_MOESM1_ESM.xlsx) (Appendix 1 in Excel format). [Canyon Mine.] [See also Hinck and Cleveland (2017, ITEM NO. 19.5852).]

**Hinck, Jo Ellen; Hossack, B. R.; AND Honeycutt, R. K.**

- 2017 19.6297 Amphibian acoustic data from the Arizona 1, Pinenut, and Canyon breccia pipe uranium mines in Arizona. *U.S. Geological Survey, Data Release*, <https://doi.org/105066/F71834QW> or <https://www.sciencebase.gov/catalog/item/58b0838be4b01ccd54fb2b87> (.xml and .csv files).

**Hinck, Jo Ellen; Linder, Greg; Darrah, A. J.; Drost, C. A.; Duniway, M. C.; Johnson, M. J.; Nowak, E. M.; Wolff, S.; Méndez Harclerode, F. M.; Valdez, E. W.; AND Riper, Charles van, III**

- 2014 19.5487 Exposure pathways and biological receptors: Baseline data for the Canyon uranium mine, Coconino County, Arizona. *Journal of Fish and Wildlife Management*, 5(2) (December): 422-440.

**Hinck, Jo Ellen; Linder, Greg; Finger, Susan; Little, Edward; Tillitt, Donald; AND Kuhne, Wendy**

- 2010 19.3041 Biological pathways of exposure and ecotoxicity values for uranium and associated radionuclides. *In: Alpine, Andrea E. (ed.), Hydrological, geological, and biological site characterization of breccia pipe uranium deposits in northern Arizona. U.S. Geological Survey, Scientific Investigations Report 2010-5025*, pp. 283-353.

**Hinck, Jo Ellen; Linder, Greg; Otton, James K.; Finger, Susan E.; Little, Edward; AND Tillitt, Donald E.**

- 2013 19.4045 Derivation of soil-screening thresholds to protect the chisel-toothed kangaroo rat from uranium mine waste in northern Arizona. *Archives of Environmental Contamination and Toxicology*, 65(2) (August): 332-344. [Arizona Strip.]
- 2013 19.4369 Derivation of soil-screening thresholds to protect chisel-toothed kangaroo rat from uranium mine waste in northern Arizona [ABSTRACT]. *In: 46th Joint Annual Meeting, Arizona/New Mexico Chapters of the Wildlife Society and Arizona/New Mexico Chapter of the American Fisheries Society*, p. 27.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Hitchcock, A. S.**

- 1905 19.4360 North American species of *Agrostis*. *U.S. Department of Agriculture, Bureau of Plant Industry, Bulletin 68*, 68 pp., 37 plates. [See pp. 24-25, *Agrostis stolonifera* L.; specimens noted include "Arizona: Grand Canyon, Leiberg 5947" (ENTIRE NOTE).]
- 1920 19.6213 The North American species of *Chaetochloa*. *U.S. National Herbarium, Contributions*, 22(3): 155-208. [See *Chaetochloa macrostachya* (H. B. K.) Scribn. & Merr. (pp. 204-207). Distributional notes include "Grand Canyon, Leiberg 5938" (ENTIRE NOTE).]
- 1935 19.3345 Manual of the grasses of the United States. *U.S. Department of Agriculture, Miscellaneous Publication 200*, 1040 pp. [Includes records from Kaibab Plateau and Grand Canyon vicinity.]

**Hitchcock, Ann**

- 2011 19.6209 NPS herbaria go global (virtually). *In: Rethinking Protected Areas in a Changing World : proceedings of the 2011 George Wright Society Conference on Parks, Protected Areas, and Cultural Sites*, pp. 142-147. [See p. 142, Grand Canyon National Park Herbarium note as a participating partner in the Southwest Environmental Information Network (SEINet).]

**Hitchcock, C. Leo**

- 1941 19.1935 A revision of the drabas of western North America. *University of Washington, Publications in Biology*, Volume 11, 132 pp. [*Draba* (Brassicaceae). See p. 49 and possibly others.]

**Hitchcock, Charles H.**

- 1890 19.3204 [Tribute.] *From: Memorial of Lydia W. Shattuck; born June 10, 1822, died November 2, 1889. In: Memorials of Mary W. (Chapin) Pease and Lydia W. Shattuck.* Boston: Beacon Press, Thomas Todd, pp. 44-45. [See p. 44.]

**Hitchner, M.; Jackson, S.; Ritchie, M.; AND Miotke, J.**

- 2022 19.6833 Using NASA Earth observations to monitor and model juniper woodland mortality in Grand Canyon National Park [ABSTRACT]. *In: 16th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 12-15, 2022, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, p. 80.

**Hoagstrom, Christopher; Houston, Derek; AND Mercado Silva, Norman**

- 2018 19.6026 Biodiversity, biogeography, and conservation of North American desert fishes I: Areas of endemism [ABSTRACT]. *In: Desert Fishes Council : Consejo de los Peces del Desierto : 50th Annual Meeting : long program : 14-18 November 2018, Furnace Creek, Death Valley National Park, California, USA*, p. [18].

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**Hobbs, Richard J., AND Streit, Bruno**

- 1986 19.761 Heavy metal concentrations in plants growing on a copper mine spoil in the Grand Canyon, Arizona. *American Midland Naturalist*, 115(2): 277-281. [Last Chance Mine, Grandview Trail.]  
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**Hochstätter, Fritz**

- 1993 19.6961 Het geslacht *Sclerocactus*; een revisie 2. *Succulenta* (Nederlands-Belgische Vereniging van Liefhebbers van Cactussen en Andere Vetplanten, Hengelo, The Netherlands), 72(1) (February): cover [legend on p. 48], 19-34. [See *Sclerocactus parviflorus* Clover & Jotter 1941 (pp. 19-27) with distribution map (p. 23) indicating its Arizona presence only close to the entire Utah-Arizona boundary (north of Grand Canyon); *S. havasupaiensis* Clover 1942 is listed in synonymy. See also *Sclerocactus whipplei* (Engelmann & Bigelow) Britton & Rose 1922 (pp. 27-31), with note (p. 31) on an occurrence at House Rock Valley identified by Benson as *S. spinosior* but which should be referred to *S. whipplei*.] [In Dutch.]
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- 2015 19.4861 Desert bighorn sheep in the Big Ditch [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 43. [Grand Canyon.]

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- 1908 19.4072 (COMPILER) Census of living American bison on January 1st, 1908. *American Bison Society, Annual Report 1905-1907*, pp. 71-74. [See p. 71: "Arizona: Grand Canyon Game Preserve—C. J. Jones"; and p. 73, "Buffalo-Domestic Hybrids, 'Cattaloes.'": "Arizona: Grand Canyon Game Preserve—C. J. Jones".]
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- 1913 19.778 *Our vanishing wild life : its extermination and preservation*. New York: New York Zoological Society, 411 pp. [See pp. 339 (map), and 343: "The Grand Canyon National Game Preserve of northern Arizona, embraces the entire Grand Canyon of the Colorado River, for a meandering distance of 101 miles, and adjacent territory to an extent of 2,333 square miles (1,492,928 acres). Owing to certain conditions, natural and otherwise, it is not the finest place in the world for the peaceful increase of wild game. The Canyon contains a few mountain sheep, and mule deer, but Buckskin Mountain, on the northwestern side, is reeking with mountain lions and gray wolves, and both those species should be shot out of the entire Grand Canyon National Forest. It was on Buckskin and the western wall of the Canyon itself that 'Buffalo' Jones, Mr. Charles S. Bird, and their party caught nine live mountain lions, in 1909. [¶]I regret to say that 'Buffalo' Jones's catalo experiment on the Kaibab Plateau seems to have met an untimely and disappointing fate. For three years the bison and domestic cattle crossed, and produced a number of cataloes; but in 1911, practically the whole lot was wiped off the earth by cattle rustlers! Mr. Jones thinks that it was guerrillas from southern Utah who murdered his enterprise, partly for the reason that no other persons were within striking distance of the herd." (ENTIRE NOTE)]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-17|

**Horncastle, Valerie J.; Dickson, Brett G.; AND Chaudhry, Todd A.**

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- 2013 19.5431 Visitor use and habitat associations [*sic*] of the Colorado River avifauna in Grand Canyon National Park [ABSTRACT]. *In: 12th Biennial Conference of Science and Management on the Colorado Plateau, September 16-19, 2013, Northern Arizona University, Flagstaff, Arizona : program and abstracts of presented papers and posters.* [Flagstaff, Arizona: Northern Arizona University], pp. 73-74.

**Horvath, Tom, AND Smith, Gentry**

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- 2011 19.5829 Special notice: Lees Ferry club outing canceled. *Forward Casts* (Desert Fly Casters, Mesa, Arizona), (February): 1. [2011 Lees Ferry club trip cancelled due to "extremely high" flows from Glen Canyon Dam.] [Item signed "Tom and Gentry".]

**Hoser, Raymond T.**

- 2009 19.3985 A reclassification of the rattlesnakes; species formerly exclusively referred to the genera *Crotalus* and *Sistrurus*. *Australasian Journal of Herpetology*, 6: 1-21. [Includes *Crotalus (Sayersus) abyssus* Klauber, 1930, Grand Canyon rattlesnake.] [Subgenus *Sayersus* a *nomen nudum* in this article(?); see Hoser (2012, [ITEM NO. 19.5238](#)).]
- 2012 19.5238 A reclassification of the rattlesnakes; species formerly exclusively referred to the genera *Crotalus* and *Sistrurus* and a division of the elapid genus *Micrurus*. *Australasian Journal of Herpetology*, 11: 2-24. [See p. 7, *Sayersus*, new subgenus, including *Crotalus abyssus* Klauber.]
- 2016 19.5237 New rattlesnakes in the *Crotalus viridis* Rafinesque, 1818 and the *Uropsophus triseriatus* Wagler, 1930 species groups (Squamata:Serpentes:Viperidae:Crotalinae). *Australasian Journal of Herpetology*, 33: 34-41. [See p. 35, note from literature that *C. abyssus* Klauber "should at best be recognized as [a] subspecies of *C. viridis* Rafinesque".]

**Hosford, Holly**

- 2000 19.3019 The effect of sunlight exposure on vegetation in selected sloped areas of the Grand Canyon, Arizona [ABSTRACT]. *Pennsylvania Geographical Society and Middle States AAG Annual Meetings, Wilkes-Barre, Pennsylvania, October 19-21, 2000 : abstracts.* [Association of American Geographers.]

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**Hottes, F. C.**

- 1956 19.2196 Two new species of *Cinara* from northern Arizona with illustrations of hitherto unfigured species and notes on *Schizolachnus flocculosa* (Williams) (Aphidae). *Biological Society of Washington, Proceedings* (Washington, D.C.), 69: 219-224. [*Cinara grande*, new species (pp. 219-220; text-figs. on p. 223), "Host *Abies concolor*. Taken on the North Rim of the Grand Canyon, Arizona June 7, 1954. Collected by J. W. Bongberg. Holotype apterous viviparous female returned to the collection of The United States National Museum. Also *Cinara poketa*, new species (pp. 220-221; text-figs. on p. 222) "Holotype apterous viviparous female. Host, *Pinus edulis* Aug. 24, 1956. Taken at point where road to Anita, Arizona branches from Highway 64 leading to Grand Canyon, Arizona." (Locality is on the Kaibab National Forest, Tusayan Ranger District, ca. 35.861° N, 112.134° W.)]

**Hougaard, T. R., AND Valdez, R. A.**

- 1994 19.779 A multi-temporal, multi-accuracy fisheries GIS database for the Colorado River in Grand Canyon, Arizona. *In*: Congalton, Russell G. (ed.), *Proceedings: International Symposium on Spatial Accuracy of Natural Resource Data Bases : Unlocking the Puzzle : 16-20 May 1994, Williamsburg, Virginia*. Bethesda, Maryland: American Society for Photogrammetry and Remote Sensing, pp. 67-77. [Geographic Information System.]

**Hough, Eric**

- 2014 19.6071 Notes on recent field expeditions. *AZFO News* (Arizona Field Ornithologists), 5(2) (Fall): 3-4. [See p. 4, "14-15 June 2014—Kaibab Plateau/North Rim of the Grand Canyon".]

**Hough, Donald**

- 1925 19.2313 The phantom herd of the Kaibab. *Outdoor America*, 3(12) (July): 5-7, 72-73.
- 1999 19.780 The great Kaibab deer drive. *Zane Grey Review* (Zane Grey's West Society), 14(2): 12-15.

**Houk, Rose**

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- 1996 19.782 *An introduction to Grand Canyon ecology*. Grand Canyon, Arizona: Grand Canyon Association, 56 pp.  
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**Hould, Kimberly Ann**

- 2006 19.2816 *Evaluation of nestedness in mammal and passerine bird communities in the American Southwest using Southwest regional Gap analysis habitat models.* Master's thesis, New Mexico State University, 82 pp.

**Hoverman, Roger**

- 2004 19.3930 Border to border for better habitat. *In: New from North of the River, ADA Buckskin Chapter [SECTION]. Deer Times* (Arizona Deer Association), (Summer): 10.
- 2005 19.3924 Hello from north of the river. *In: ADA Chapter News, ADA Buckskin Chapter [SECTION]. Deer Times* (Arizona Deer Association), (Fall): 14.

**Howard, L. O. [Howard, Leland O.]**

- 1922 19.5905 Report of the Entomologist. *In: U.S. Department of Agriculture, Annual Report.* Washington, D.C.: U.S. Government Printing Office. [Seen as a separate. See under "Insects Affecting Forest Resources and Shade Trees"; specifically, "Grand Canyon-Kaibab Control Project", p. 24.]
- 1924 19.5906 Report of the Entomologist. *In: U.S. Department of Agriculture, Annual Report.* Washington, D.C.: U.S. Government Printing Office. [Seen as a separate. See under "Insects Affecting Forest Resources and Shade Trees"; specifically, "The Kaibab Control Project", p. 25.]
- 1925 19.5907 Report of the Entomologist. *In: U.S. Department of Agriculture, Annual Report.* Washington, D.C.: U.S. Government Printing Office. [Seen as a separate. See under "Investigation and Control of Western Bark Beetles"; specifically, "The Kaibab control project", p. 30.]
- 1926 19.5908 Report of the Entomologist. *In: U.S. Department of Agriculture, Annual Report.* Washington, D.C.: U.S. Government Printing Office. [Seen as a separate. See under "Investigations of Insects Affecting Forest and Shade Trees"; specifically, "The Kaibab National Forest and Grand Canyon National Park", p. 25.]
- 1927 19.5909 Report of the Entomologist. *In: U.S. Department of Agriculture, Annual Report.* Washington, D.C.: U.S. Government Printing Office. [Seen as a separate. See under "Investigations of Insects Affecting Forest and Shade Trees"; specifically, "Western Bark Beetles" (p. 25), with brief note of Kaibab National Forest.]

**Howard, Leland O.; Dyar, Harrison G.; AND Knab, Frederick**

- 1915 19.3254 The mosquitoes of North and Central America and the West Indies. Volume Three; Systematic description (in two parts); Part I. *Carnegie Institution of Washington, Publication 159, Volume 3*, 523 pp. [See under *Culiseta incidens* (pp. 478-483), Grand Canyon specimens cited, p. 482.]

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**Howard, V. Eric [Howard, Eric]**

- NO DATE 19.783 Trout survey of selected tributaries of the Colorado River in Grand Canyon National Park, December, 1992. *In: Technical reports for Glen Canyon Environmental Studies long-term monitoring program : with accompanying essay* (conducted by Prescott College students, December 4-30, 1992, supervised by Christa Sadler, Andre Potochnik, Julie Munsell). Prescott, Arizona: Prescott College, pp. 29-33. [1993.]
- 1996 19.784 Return to the wild. *Colorado Plateau Advocate*, (Spring): 6. [California condors at Vermilion Cliffs.]
- 1996 19.785 A sense of place; ravens and stiff upper lips. *Colorado Plateau Advocate*, (Summer): 3.

**Howe, Marisa M.**

- 2001 19.2103 *Effects of regulation on the wetland seed bank along the Colorado River in Grand Canyon*. Master's thesis, Northern Arizona University, 54 pp.

**Howe, R. J.**

- 2020 19.6490 Hand-winged dreams. *The Gulch* (Durango, Colorado), (13) (Summer): 34-41. [Bats. See photos: "A rare, spotted bat (*Euderma maculatum*) flying at night in the Kaibab National Forest, Arizona. (1.5 miles from the rim of the Grand Canyon). This lactating female was later tracked 17 miles back to her day roost in a crevice on the vertical face of a canyon wall in Grand Canyon National Park. It is likely she had a pup waiting to feed upon her return after a night's hunting." (p. 37, photo by Michael Durham); "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).]

**Howe, Steve**

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- 1993 19.4613 Counting sheep; the National Park Service works to reintroduce bighorn to their historic range. *National Parks*, (March/April): 24-29. [Southwest in general, noting Grand Canyon.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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- 1938 19.787 Revision of the North American ground squirrels; with a classification of the North American Sciuridae. *U.S. Department of Agriculture, Bureau of Biological Survey, North American Fauna*, (56), 256 pp., 32 plates.  
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- 1943 19.2197 Plantae occidentales—III. *Leaflets of Western Botany*, 3(9): 205-208.
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- 1995 19.788 Lord of the flies. *Pinnacle* (Arizona Daily Sun), (April): cover, 3, 5-7, 15. [Lees Ferry fishery.]
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**Hreha, Alyce M.**

- 1978 19.789 *A comparative distribution of two mistletoes: Arceuthobium divaricatum and Phoradendron juniperinum (South Rim, Grand Canyon National Park, Arizona)*. Master's thesis, Brigham Young University, Provo, Utah, 62 pp.  
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**Hreha, Alyce M., AND Meyer, Therese B.**

- 2001 19.4983 Five-year monitoring study of Siler's pincushion cactus (*Pediocactus sileri*) in Kane County, Utah. *In*: Maschinski, Joyce, and Holter, Louella (technical coordinators), *Southwestern Rare and Endangered Plants: Proceedings of the Third Conference, September 25-28, 2000, Flagstaff, Arizona. U.S. Forest Service, Rocky Mountain Research Station, Proceedings, RMRS-P-23*, pp. 83-94. [Study area at Muggins Flat, ca. 10 miles southeast of Kanab.]

**Hreha, Alyce M., AND Weber, Darrell J.**

- 1979 19.790 Distribution of *Arceuthobium divaricatum* and *Phoradendron juniperinum* (Viscaceae) on the South Rim of Grand Canyon, Arizona. *Southwestern Naturalist*, 24(4) (December): 625-636.  
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**Hualapai Tribe, Department of Natural Resources**

- 1995 19.5660 *Feasibility study for construction and operation of an endangered fish rearing facility on the Hualapai Reservation : final report as per Cooperative Agreement No. 3-FC-30-00100 between the Bureau of Reclamation and the Hualapai Tribe*. Peach Springs, Arizona: Hualapai Department of Natural Resources, for U.S. Bureau of Reclamation, Lower Colorado Regional Office, Boulder City, Nevada, 41 pp. + pipe layout plans.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Hualapai Tribe, Department of Natural Resources; AND Stevens Ecological Consulting, LLC**

- 2014 19.4804 *Zebra-tailed lizard translocation and monitoring : Peach Springs Canyon and Diamond Creek on the Hualapai Reservation : second annual report.* Peach Springs, Arizona: [Hualapai Tribe] Hualapai Department of Natural Resources; and Flagstaff, Arizona: Stevens Ecological Consulting, LLC, for U.S. Bureau of Reclamation, Upper Colorado Region, Salt Lake City, 14 pp. [Final report.]
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**Huang, Cho-Ying; Asner, Gregory P.; Martin, Roberta E.; Barger, Nichole N.; AND Neff, Jason C.**

- 2009 19.3575 Multiscale analysis of tree cover and aboveground carbon stocks in pinyon-juniper woodlands. *Ecological Applications*, 19(3) (April): 668-681.
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**Hubbard, Clarence Andreson**

- 1943 19.3395 The fleas of California; with checklists of the fleas of Oregon–Washington–British Columbia–Alaska–Idaho–Nevada–Arizona. *Pacific University Bulletin*, 39(8) (June): 1-12.
- 1947 19.791 *Fleas of western North America : their relation to the public health.* Copyright Iowa State College Press. [Facsimile reprinting 1968, New York and London, Hafner Publishing Co., 533 pp.]  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 8: page 4-17](#)
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**Hudson, Laura**

- 2002 19.2345 Diverse challenges in the Intermountain Region. *Endangered Species Bulletin*, 27(1) (January/February): 14-15.
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**Hueftle, Susan J.**

- 2005 19.2555 Plankton dynamics and patterns in Lake Powell and the tailwaters, 1993-2003 [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2005. Abstracts. October 25-27, 2005, Fiesta Inn Resort, 2100 South Priest Drive, Tempe, AZ.* [Flagstaff, Arizona]: [U.S. Geological Survey, Grand Canyon Monitoring and Research Center], p. 79.
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**Huey, Laurence M.**

- 1939 19.792 Birds of the Mount Trumbull region, Arizona. *The Auk*, 56(3) (July): 320-325.  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 8: page 4-38](#)
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**Huffer, Donelle Joy**

- 2013 19.4115 *A spatial analysis and zooarchaeological interpretation of archaeological bison remains in the Southwest and the wildlife management implications for the House Rock Valley bison herd in Grand Canyon National Park, Arizona.* Master's thesis, University of Arizona, 135 pp. [Includes historical period.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 2013 19.5432 The application of zooarchaeology to the reconstruction of historic range distributions of Grand Canyon fauna [ABSTRACT]. *In: 12th Biennial Conference of Science and Management on the Colorado Plateau, September 16-19, 2013, Northern Arizona University, Flagstaff, Arizona : program and abstracts of presented papers and posters.* [Flagstaff, Arizona: Northern Arizona University], p. 74.

**Huffman, David W.; Crouse, Joseph E.; Sánchez Meador, Andrew J.; Springer, Judith D.; AND Stoddard, Michael T.**

- 2018 19.5689 Restoration benefits of re-entry with resource objective wildfire on a ponderosa pine landscape in northern Arizona, USA. *Forest Ecology and Management*, 408 (January 15): 16-24. [Kaibab National Forest.]

**Huffman, David W.; Fulé, Peter Z.; Parson, Kristen M.; AND Crouse, Joseph E.**

- 2008 19.6053 Fire history of pinyon-juniper woodlands at upper ecotones with ponderosa pine forests in Arizona and New Mexico. *Canadian Journal of Forest Research*, 38: 2097-2108. [One of two study sites is on Tusayan Ranger District, Kaibab National Forest, "immediately south of Grand Canyon National Park".]

**Huffman, David W.; Stoddard, Michael T.; Fulé, Peter Z.; Covington, W. Wallace; AND Smith, H. B.**

- 2008 19.3860 A demonstration project to test ecological restoration of a pinyon-juniper ecosystem. *In: Gottfried, Gerald J., Shaw, John D., and Ford, Paulette L. (compilers), Ecology, management, and restoration of piñon-juniper and ponderosa pine ecosystems: Combined proceedings of the 2005 St. George, Utah and 2006 Albuquerque, New Mexico workshops. U.S. Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-51*, pp. 121-133. [Grand Canyon-Parashant National Monument, near Mount Trumbull; Craig Ranch and Goose Ponds sites.]

**Hughes, J. Donald**

- 2005 19.2616 Scenery versus habitat at the Grand Canyon. *In: Anderson, Michael F. (compiler, ed.), A gathering of Grand Canyon historians; ideas, arguments, and first-person accounts; proceedings of the inaugural Grand Canyon History Symposium, January 2002. Grand Canyon Association, Monograph 13*, pp. 105-109.

**Hughes, Lee E.**

- 1993 19.5260 "The devil's own"—tamarisk. *Rangelands*, 15(4) (August): 151-155. [Arizona Strip.]
- 1996 19.4806 History, observations and monitoring of *Pediocactus peeblesianus* var. *fickeiseniae* on the Arizona Strip. *Desert Plants*, 12(1) (June): 15-22.
- 2001 19.4634 Monitoring update on four listed plants on the Arizona Strip. *In: Maschinski, Joyce, and Holter, Louella (technical coordinators), Southwestern Rare and Endangered Plants: Proceedings of the Third Conference, September 25-28, 2000, Flagstaff, Arizona. U.S. Forest Service, Rocky Mountain Research Station, Proceedings, RMRS-P-23*, pp. 78-82. [*Pediocactus sileri* (Engelm.) L. Benson, *P. bradyi* L. Benson, *Asclepias welshii* N. & P. Holmgren, *Cycladenia humilis* Benth. var. *jonesii* Welsh & Atwood.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 2004 19.5254 Ponderosa pine undergrowth restoration on the Arizona Strip. Logging and thinning the forest is a straight out deal. Its coming to a consensus on what the understory vegetation needs to be that gets sensitive. *Rangelands*, 26(1) (February): 23-27. [Mount Trumbull Resource Conservation Area.]
- 2005 19.5091 Brady pincushion cactus. *Desert Plants*, 21(2): 13-20. [*Pediocactus bradyi* Benson.]
- 2009 19.4984 Monitoring update on five listed plants and one candidate species on the Arizona Strip. *Desert Plants*, 25(1): 27-34. [*Pediocactus sileri* (Engelm.) L. Benson, *P. bradyi* L. Benson, *P. peeblesianus* var. *fickeiseniae*, *Asclepias welshii* N. & P. Holmgren, *Cycladenia humilis* Benth. var. *jonesii* Welsh & Atwood, *Astragalus holmgreniorum* (names as given in paper).] [*Pediocactus peeblesianus* (Croizat) L. D. Benson subsp. *fickeiseniae* (Backeberg ex Hochstätter) Lüthy.]
- 2010 19.3515 Six new plants on the Arizona Strip, and an old plant, now of interest. *The Plant Press* (Arizona Native Plant Society), 34(2) (Winter 2010/2011): 12. [New records of *Phacelia higginsii*, *P. hughesii*, *P. furnissii*, *Sphaeralcea gierischii*, *Mentzelia memorabilis*, *Camissonia dominguez-escalantorum*, and *Tetradymia canescens* var. *thorneae*; and species of interest *Crypthantha semiglabra*.] [NOTE: The article contains misspellings.]
- 2013 19.4988 Listed (Endangered or Threatened or Candidate) plan update on the Arizona Strip. *In*: ZoBell, Dale (ed.), *35th Annual Range Livestock Workshops : Arizona/Utah : April 9, 2013, KCNEC/Carroll Arena, Oderville, UT; April 10, 2013, Washington County Fairgrounds, Hurricane, UT; April 11, 2013, West desert tour*, pp. 10-19.
- 2017 19.5719 Plant species diversity, drought, and a grazing system on the Arizona Strip. *Rangelands*, 39(1): 20-27.

**Hughes, Robert M.**

- 1981 19.793 The plains killifish, *Fundulus zebrinus* (Cyprinodontidae), in the Colorado River basin of western North America. *Southwestern Naturalist*, 26(3): 321-324.  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 8: page 4-17](#)

**Huisinga, Kristin D.**

- 2002 19.2198 GC plant guide. *Boatman's Quarterly Review*, 15(1) (Spring): 33. [Request for information for proposed book.]
- 2007 19.2748 Western honey mesquite: The desert's provider. *Grand Canyon River Runner*, (5) (Fall): 10.

**Huisinga, Kristin D., AND Ayers, Tina J.**

- 1999 19.1938 Plantaginaceae; plantain family. *In*: A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 32(1): 62-76.

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**Huisinga, Kristin D.; Makarick, Lori; AND Watters, Kate**

- 2006 19.2619 *River and desert plants of the Grand Canyon*. (Foreword by Ann Zwinger.) Missoula, Montana: Mountain Press Publishing Co., 261 [264] pp.  
 ≡ REVIEWS AND NOTICES Anonymous, 2006, ITEM NO. 30.900; Bell, 2007, ITEM NO. 30.496; Drifter Smith, 2006, ITEM NO. 30.498

**Huisinga, Kristin D.; McGlone, C. M.; Laughlin, D. C.; Fulé, P. Z.; AND Springer, J. D.**

- 2005 19.2624 Effects of an intense prescribed fire on understory vegetation in a mixed conifer forest. *Torrey Botanical Society, Journal*, 132(4): 590-601. [North Rim, Grand Canyon.]

**Huisinga, Kristin D.; Watters, Kate; AND Makarick, Lori**

- 2002 19.2327 A Colorado River plant guide. *Boatman's Quarterly Review*, 15(3) (Fall): 11. [Request for information for proposed book.]
- 2003 19.2382 Hello plant lovers! *Boatman's Quarterly Review*, 16(2) (Summer): 3. [Item signed "Kristin, Kate and Lori, 'The Charlie's Angels of Botany'".]

**Hultine, Kevin R.; Allan, Gerard J.; Blasini, Davis; Bothwell, Helen M.; Cadmus, Abraham; Cooper, Hillary F.; Doughty, Chris E.; Gehring, Catherine A.; Gitlin, Alicyn R.; Grady, Kevin C.; Hull, Julia B.; Keith, Arthur R.; Koepke, Dan F.; Markovchick, Lisa; Parker, Jackie M. Corbin; Sankey, Temuulen T.; AND Whitham, Thomas G.**

- 2020 19.6484 Adaptive capacity in the foundation tree species *Populus fremontii*: implications for resilience to climate change and non-native species invasion in the American Southwest. *Conservation Physiology*, 8: doi:10.1093/conphys/coaa061, 16 pp.

**Hultine, Kevin R.; Bean, Dan W.; Dudley, Tom L.; AND Gehring, Catherine A.**

- 2015 19.5261 Species introductions and their cascading impacts on biotic interactions in desert riparian ecosystems. *Integrative and Comparative Biology*, 55(4): 587-601.

**Humphrey, Robert R.**

- 1953 19.3813 Forage production on Arizona ranges. III. Mohave County. *University of Arizona, Agricultural Experiment Station, Bulletin 244*, 79 pp., map.
- 1956 19.3814 Forage production on Arizona ranges. III. Mohave County. *University of Arizona, Agricultural Experiment Station, Bulletin 244 (reprint)*, 77 pp. [Text reset.]
- 1958 19.3820 Arizona range grasses; description—forage value—management. (Drawings by Lucretia B. Hamilton.) *University of Arizona, College of Agriculture, Agricultural Experiment Station, Bulletin 298*, 104 pp.

**Hungerford, C. R.**

- 1965 19.4571 Response of Kaibab mule deer to reseeded forest and meadow. *North American Wildlife Conference, Transactions*, 30: 310-321.

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- 1970 19.794 Response of Kaibab mule deer to management of summer range. *Journal of Wildlife Management*, 34: 852-862.  
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**Hunt, Erin**

- 2021 19.6657 Grand Canyon pink rattlesnake. *In: Get to Know Arizona Wildlife* [COLUMN]. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 57(2) (Spring): 10. [*Crotalus oreganus abyssus*.]

**Hunt, W. Grainger; Parish, Chris N.** [Parish, Christopher N.]; **Farry, Shawn C.; AND Lord, Thom**

- 2005 19.5307 Movements of introduced California condors in Arizona in relation to lead exposure [ABSTRACT]. *In: Abstracts : One hundred and twenty-third Stated Meeting of the American Ornithologists' Union, 23-27 August 2005 at the University of California, Santa Barbara, CA*, abstract s51. [American Ornithologists' Union, 123rd Meeting. Volume notes: "The abstracts in this work are not issued for the permanent scientific record."]

**Hunt, W. Grainger; Parish, Chris** [Parish, Christopher N.]; **Farry, Shawn C.; Lord, Thom G.; AND Sieg, Ron**

- 2007 19.5360 Movements of introduced California condors in Arizona in relation to lead exposure. *In: Mee, Allan, and Hall, Linnea S. (eds.), California condors in the 21st century*. Cambridge, Massachusetts: Nuttall Ornithological Club, and Washington, D.C.: American Ornithologists' Union, pp. 79-96. (Volume: Series in Ornithology, 2.)

**Hunt, W. Grainger; Parish, Christopher N.; Orr, Kathy; AND Aquilar, Roberto F.**

- 2009 19.3005 Lead poisoning and the reintroduction of the California condor in northern Arizona. *Journal of Avian Medicine and Surgery*, 23(2) (June): 145-150.

**Hunter, Gilbert N., AND Yeager, Lee E.**

- 1956 19.795 Management of the mule deer. *In: Taylor, Walter P. (ed.), The deer of North America : the white-tailed, mule and black-tailed deer, genus Odocoileus : their history and management*. Harrisburg, Pennsylvania: Stackpole Co., and Washington, D.C.: Wildlife Management Institute, pp. 449-482. [See p. 471.]

**Hunter, William C.; Ohmart, Robert D.; AND Anderson, Bertin W.**

- 1987 19.4270 Status of breeding riparian-obligate birds in southwestern riverine systems. *Western Birds*, 18: 10-18. [Includes Grand Canyon, lower Virgin River, and lower Colorado River.]

**Huntington, Maggie**

- 2004 19.6095 The most exciting show. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 40(4) (April): 12. [Brief remarks on watching condors and ravens at the South Rim.]



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Hurtado, A.**

- 2005 19.6445 El Gran Cañón, una maravilla de la Naturaleza; una gigantesca garganta tallada por el río Colorado. *Bizkaia Maitea* (Bizkaiko Foru Alundia, Ingurumen Saila / Diputación Foral de Bizkaia, Departamento de Medio Ambiente) (Bilbao, Spain), (Summer): 4-6. [Basque abstract (p. 6) provides title as "Coloradoren Arroila Handia; Arroila Handia, naturaren miraria".] [Ecological perspective.] [In Spanish, with abstract also in Basque; serial title in Basque, publisher's information in Basque and Spanish.]

**Hurteau, Sarah, AND Smith, Edward**

- 2012 19.4259 *Wildlife and diversity analyses in support of the Kaibab National Forest Land Management Plan revision.* Flagstaff, Arizona: The Nature Conservancy, for U.S. Forest Service, Kaibab National Forest, 85 pp.

**Hyde, Ken**

- 2019 19.6283 Incorporating tribal youth and elders and other tribal guidance into management of nonnative brown trout and other aquatic species below Glen Canyon Dam [ABSTRACT]. *In: 15th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region : theme: "Science and Solutions for Conserving the Southwest's Land, Water, Biodiversity and Cultures" : September 9-12, 2019, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona, pp. 58-59.*

**Hyde, Pam**

- 2003 19.2431 A humpback chub's view of Colorado River management. *The Wild Thing* (Grand Canyon Wildlands Council Newsletter), (Fall): 5.

**Hyde, Pam; Rinne, Bill; Pitt, Jennifer; Raley, Bennett; Spangle, Steve; AND Rhodes, John J. (Jay)**

- 2006 19.6568 Preserving Endangered Species—The Big Picture [PANEL]. (Pam Hyde, moderator.) *In: Colorado River Symposium : Sharing the Risks: Shortage, Surplus and Beyond.* Sacramento, California: Water Education Foundation, pp. 76-91. [Panelists are listed in the order in which they first speak; their remarks interject thereafter.] [Volume information: Glenn Totten and Sue McClurg, eds.; transcript by Gateway Secretarial Services. Cover title: *September 28-30, 2005 : Colorado River Project : symposium proceedings : a project of the Water Education Foundation.* Spine title: *Colorado River Project Symposium : 2005.*]

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**Ichikawa, Ichinoku** [市川 惇信]

- 2001 19.5320 ダーウィン・ディレンマを題えるために [Dāuin; djiirenma o dai eru tame ni] [Darwin; inviting a dilemma]. 地球環境研究センターニュース [Chikyū kankyō

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

*kenkyū sentānyūsu* [*Global Environment Research Center News*] (National Institute for Environmental Studies, Global Environment Research Center [Tsukuba, Japan]), 11(12): 9-18. [Includes Kaibab Plateau.] [In Japanese.]

**Ikeda, Dana H.; Max, Tamara L.; Allan, Gerard J.; Lau, Matthew K.; Shuster, Stephen M.; AND Whitham, Thomas G.**

2017 19.6483 Genetically informed ecological niche models improve climate change predictions. *Global Change Biology*, 23(1): 164-176 + Supplementary Information online, doi:10.1111/gcb.13470, 5 pp.

**Imada, Shogo; Taniguchi, Takeshi; Iwanaga, Fumiko; Acharya, Kumud; Yamamoto, Fukuju; AND Yamanaka, Norikazu** [今田 省吾; 谷口 武士; 岩永 史子; ACHARYA Kumud; 山本 福壽; そして 山中 典和]

2014 19.5262 外来種と植生管理」北米大陸におけるアジア由来の侵略的木本外来種の現状—アメリカ合衆国西部乾燥地域のタマリスク [gairai-shu to shokusei kanri' Hokubei tairiku ni okeru Ajia yurai no shinryaku-teki mokuhoon gairai-shu no genjō — amerikagasshūkoku seibu kansō chiiki no tamarisuku] [Alien species and vegetation management "Current status of invasive woody alien species from Asia in North American continent—Tamarisk in the western dry area of the United States]. 日本緑化工学会誌 [Nihonyokka-kō gakkaiishi] [*Japanese Society of Revegetation Technology, Journal*], 40(2): 331-339. [In Japanese-orthography authors list, the mixing of Japanese and Roman orthography is as published. Article title as given in English-language abstract is: "Invasive woody species, tamarisk (*Tamarix* spp.) in arid regions of the western United States: a review of current knowledge". Serial title in English as expanded from abbreviated form in article banner.] [In Japanese, with bilingual title and abstract.]

**Inch, Deb, AND Blinn, Dean W.**

1981 19.796 Limnology of Little Park Lake and diatom distribution on the Kaibab Plateau, Arizona. *Arizona-Nevada Academy of Science, Journal*, 16(1): 14-21.  
 ≡ CROSS-LISTINGS [CITED» GCNHA Monograph 8: page 4-17]

**Industrial Economics, Inc.**

2013 19.6867 *Economic analysis of critical habitat designations for three Arizona plants : Draft : February 22, 2013*. Cambridge, Massachusetts: Industrial Economics, Inc., for U.S. Fish and Wildlife Service, Arlington, Virginia, SEPARATELY PAGINATED SECTIONS [143 pp. total]. [Includes Fickeisen plains cactus (*Pediocactus peeblesianus* var. *fickeiseniae*) of the Grand Canyon region, and Gierisch mallow (*Sphaeralcea gierischii*) of the Arizona-Utah boundary in northwestern Arizona. (The third plant is the acuña cactus of southern Arizona, extralimital to this bibliography.)]

**Ingersoll, Ernest**

1905 19.4542 Plant life in the desert. *Harper's Monthly Magazine*, 110 (March): 577-583. [See photo, p. 578, "Vegetation in the Grand Canyon of the Colorado, Arizona. The cactus is an Echinocereus, and the shrub behind it Ephedra Nevadensis."]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 1905 19.4543 How desert plants get their water. *The Literary Digest* (New York), 30(12) (March 25): 431. [Refers to article in *Harper's Monthly Magazine* (Ingersoll, 1905, [ITEM NO. 19.4542](#)). See photo, p. 431, "Vegetation in the Grand Canyon of the Colorado, Arizona. The cactus is an *Echinocereus*, and the shrub behind it *Ephedra Nevadensis*."]

**Inouye, David**

- 2001 19.2044 How's the fishing? *In*: Flipped Out—Letters to the GCPBA [SECTION]. *The Waiting List* (Grand Canyon Private Boaters Association Quarterly), 5(2) (Summer): 38. [With response from Bruce W. McElya.]

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**Jack, Cameron; Taylor, John R.; Bornemeier, Andrea; AND VanAlfen, Amber**

- 2016 19.4999 Bat surveys in Pipe Spring National Monument and ensuing interpretive programs. *In*: Ralston, Barbara E. (ed.), Proceedings of the 12th Biennial Conference of Research on the Colorado River Plateau. *U.S. Geological Survey, Scientific Investigations Report 2015-5180*, pp. 123-128.

**Jacka, Daniel**

- 2012 19.6650 Oh, give me a home. *In*: The Journal [SECTION]. *Arizona Highways*, 88(1) (January): 15. [Brief note of bison at Raymond Wildlife Area, east of Flagstaff, and at House Rock Wildlife Area.]

**Jacobsen, Janet**

- 2024 19.6952 Weeding the Grand Canyon. *The Obsidian Bulletin* (Obsidians, Eugene, Oregon), 84(8) (September): 5. [Summary of the article of the same title by Melissa Seigny in *National Parks* (2024, [ITEM NO. 19.6951](#)).]

**Jackowitch, Douglas G.**

- 1989 19.797 Image analysis aids the world's most endangered fish. *Advanced Imaging*, 4(2): 24, 26, 36. [Humpback chub.]  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 8: page 4-38](#)

**Jackson, Hartley H. T.**

- 1923 19.3193 Fifth Annual Meeting of the American Society of Mammalogists. *Journal of Mammalogy*, 4(3): 205-207. [See p. 206, notice of presentation: "Deer of the Grand

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

Canyon Game Preserve, Arizona. E. A. Goldman. Twenty minutes. Lantern slides."  
(ENTIRE NOTE)]

**Jackson, Heather Bird; Leavitt, Steven D.; Krebs, Thomas; AND St. Clair, Larry L.**

- 2005 19.5093 Lichen flora of the eastern Mojave Desert: Blackrock Arizona, Mojave County, Arizona, USA. *Evansia*, 22(1): 30-38. [Item title thus. Study area "in the general vicinity of Blackrock road, 1.6 km south of the Utah-Arizona border, Mojave [*sic*] County, Arizona" (p. 32).] [Black Rock Road, Black Rock, Mohave County, Arizona.]

**Jackson, Loretta**

- 1996 19.798 Granite Park; the sand, the wind, and the willow. *Boatman's Quarterly Review*, 9(3): 14.

**Jackson, Loretta; Osife, Cynthia; AND Phillips, Arthur M., III**

- 1997 19.799 Effects of Colorado River test flow experiment on Hualapai and Southern Paiute traditional ethnobotanical resources. *Glen Canyon Dam beach/habitat-building flow : abstracts and executive summaries, April 1997* [symposium convened by the Grand Canyon Monitoring and Research Center, Department of the Interior, Flagstaff, Arizona, April 8-10, 1997, Flagstaff]. [No imprint; convenor information from separate proceedings volume], pp. 94-95.

**Jackson, Stephen T., AND Smith, Susan J.**

- 1994 19.2105 Pollen dispersal and representation on an isolated, forested plateau. *New Phytologist*, 128(1) (September): 181-193. [Kaibab Plateau.]

**Jacobi, W. R.; Goodrich, B. A.; AND Cleaver, C. M.**

- 2011 19.5226 Firewood transport by national and state park campers: A risk for native or exotic tree pest movement. *Arboriculture and Urban Forestry*, 37(3): 126-138. [Source area localities studied include Grand Canyon National Park and Lake Mead National Recreation Area.]

**Jacobs, Sarah R.; Thomas, Kathryn A.; AND Drost, Charles A.**

- 2001 19.2106 Mapping land cover and animal species distributions for conservation planning: An overview of the Southwest Regional Gap Analysis Program in Arizona. *In*: Riper, Charles van, III, Thomas, Kathryn A., and Stuart, Maureen A. (eds.), *Proceedings of the Fifth Biennial Conference of Research on the Colorado Plateau* (sponsored and organized by U.S. Geological Survey, Forest and Rangeland Ecosystem Science Center, co-sponsored by Northern Arizona University). [Flagstaff, Arizona]: U.S. Geological Survey, Forest and Rangeland Ecosystem Science Center, USGSFRESC/COPL/2001/24, pp. 159-172.
- 2015 19.4767 Mapping land cover and animal species distributions for conservation planning: An overview of the Southwest Regional Gap Analysis Program in Arizona [ABSTRACT]. *In*: Riper, Charles van, III, Drost, Charles A., and Selleck, S. Shane (compilers), A quarter

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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. 53-54.

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**Jacobsen, Rachel**

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| 2011 | 19.3467 | Endangered and Threatened wildlife and plants; designation of Revised Critical Habitat for southwestern willow flycatcher. <i>Federal Register</i> , 76(157) (August 15): 50542-50629.   |
| 2013 | 19.4055 | Endangered and Threatened wildlife and plants; Designation of critical habitat for <i>Sphaeralcea gierischii</i> (Gierisch mallow). <i>Federal Register</i> , 78(156) (August 13): 49165-49183. [Responsible administrator's name misspelled as Jacobson.] |

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**Jacobson, Cecil Baltzar**

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| 1972 | 19.4721 | Benefits to environment, Glen Canyon to Hoover Dams. <i>American Society of Civil Engineers, Annual and National Environmental Engineering Meeting, October 16-22, 1972, Houston, Texas</i> , 13 pp. [Includes notes on the Lees Ferry fishery.] |
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**Jaenicke, Joachim**

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| 1998 | 19.4496 | (ED.) <i>Materialien-Handbuch Kursunterricht Biologie : Band 3/1, Ökologie (I)</i> . [Köln]: Aulis Verlag, Deubner und Co KG, 2nd corrected ed., 298 pp. [See No. 65 (pp. 234-236), "Weißwedelhirsche auf dem Kaibab-Plateau" (White-tailed deer on the Kaibab Plateau).] <a href="#">[In German.]</a> |
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**Jaffe, Matt**

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| 2024 | 19.6862 | Talon search. Because of its location along the Intermountain Flyway, the Grand Canyon plays an important role in monitoring the migration of raptors. Every year since 1991, HawkWatch International has maintained a seasonal observation station on the South Rim, and the data that's gathered helps researchers get a sense of whether the numbers are rising, declining or staying the same, thus allowing them to focus resources on those species that need it most. <i>Arizona Highways</i> , 100(5) (May): 46-51. [Illustrated with photos by John Sherman, National Park Service, and Jesse Watson/HawWatch International.] |
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**Jahrsdoerfer, Sonja**

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| 1990 | 19.6638 | Endangered and Threatened wildlife and plants; determination of Endangered status for the plant <i>Astragalus cremnophylax</i> var. <i>cremnophylax</i> (sentry milk-vetch). <i>Federal Register</i> , 55(234) (December 5): 50184-50187. [Final rule.] ["This plant is known from a single site on the South Rim of Grand Canyon National Park. The entire population consists of fewer than 500 plants. The plant is endangered by previous trampling by park visitors and degradations of habitat. This actino will implement Federal protection provided by the Act for sentry milk-vetch. Critical habitat is not being designated."] ] |
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Jain, Shaleen; Topping, David J.; AND Melis, Theodore S.**

- 2014 19.5975 Deciphering Paria and Little Colorado River flood regimes and their significance in multi-objective adaptive management strategies for Colorado River resources in Grand Canyon [ABSTRACT]. *American Geophysical Union, 2014 Fall Meeting, San Francisco, California, 15-19 December*, Abstract H51J-0743. [Includes fish ecology.]
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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- 1902 19.5273 *Contributions to western botany. No. 10.* Robinson, Utah: Mammoth Record Print, 90 pp.; [17], 16 plates. [See *Mirabilis californica* Gray, noted from Peach Springs, Arizona (p. 50); *Astragalus kentrophyta* var. *coloradoensis*, new variety, from Lees Ferry, Arizona (p. 63, Plate 1); *Astragalus kaibensis*, new species, from "House Rock, near Lee's Ferry, northern Arizona" (pp. 64-65, Plate 2).]
- 1923 19.5274 *Revision of North-American species of Astragalus.* Salt Lake City: [no imprint] [Marcus E. Jones], 288, [41] pp., 78 plates. [See *Astragalus episcopus* Watson (pp. 76-77), from "along the Pahria [Paria River] and in House Rock valley north of Lee's Ferry Arizona and southward along the Little [*sic*] Colorado at least 50 miles"; *A. montanus* var. *coloradoensis* (Jones) (p. 80), "at Lee's Ferry"; *A. humistratus* var. *tenerrimus* Jones (p. 82), "In the parks of the Kaibab or Buckskin Mts. Arizona, overlooking the Grand Canon"; *A. sesquiflorus* Wats. (p. 82), "from the Pahria [Paria River] through Kanab and the Virgin bluffs in the Grand Canon region"; *A. humillimus* Gray (pp. 82-83), "Apparently common at the Grand Canon of the Colorado at the end of the railroad" [*i.e.* Grand Canyon Village area]; *A. sabulonum* Gray (pp. 99-100), noted widely, including Lee's Ferry; *A. wardi* Gray (pp. 107-108), noting, "My material from Willow Spring south of Lee's Ferry is probably this species."; *A. lentiginosus* var. *mokiensis* (Gray), "Growing on the plateau south of St. George on both sides of the Colorado river" [*sic*] (p. 126); *A. lentiginosus* var. *yuccanus* [taxon first named from Yucca, Arizona (a lower Colorado River region locality in this bibliography)], with note, "Other material similar but with coriaceous pods from Peach Springs and Lee's Ferry[,] Arizona . . . and intergrading toward the var. *Mokiensis*" (p. 127); *A. sileranus* Jones (pp. 196-197), localities include "the Kaibab on the Colorado, Utah and Arizona"; *A. argophyllus* Nutt. in T. & G. (pp. 206-207), with note of *A. argophyllus* × *purshii* from "Nagle's ranch on the Kaibab Arizona" (p. 207); *A. amphioxys* Gray (pp. 214-215), localities include "down the Colorado through the Grand Canon"; *A. haydenianus* Gray



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

(pp. 244-245), localities include "along the north side of the Grand Canon"; *A. kaibensis* Jones (pp. 250-251, Plate 64, figure 211), localities include "House Rock north of Lee's Ferry, Ariz."]

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- 1929 19.830 Horned toads. *Grand Canyon Nature Notes*, 4(1) (September 30): cover, 1-2.  
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

1-3, 2018, *Little America, Flagstaff, Arizona*, p. 29. [NOTE: Each abstract section in this program erroneously begins with p. 27.]

**Kimball, Thomas L., AND Watkins, Allan G.**

- 1951 19.869 *The Kaibab North cooperative deer-livestock forage relationship study*. Arizona Game and Fish Commission, 77 pp.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 89| |CITED» GCNHA Monograph 8: page 4-18| FQ20:234

**Kimberling, D. N.; Ferreira, A. R.; Shuster, S. M.; AND Keim, P.**

- 1996 19.870 RAPD marker estimation of genetic structure among isolated northern leopard frog populations in the south-western USA. *Molecular Ecology*, 5: 521-529.

**Kime, Kimberley A.; Van Pelt, William E.; AND Belitsky, David W.**

- 1995 19.5545 The Hualapai Mexican vole in northwestern Arizona: 1990-1995 field investigations. *Arizona Game and Fish Department, Nongame and Endangered Wildlife Program, Technical Report 75*, 24 pp. [*Microtus mexicanus hualpaiensis*.]

**Kimmel, James R.**

- 1969 19.871 *Pond succession on the Kaibab Plateau, Arizona*. Master's thesis, Baylor University, Waco, Texas.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 89| |CITED» GCNHA Monograph 8: page 4-18|

**King, Frances B., AND King, James E.**

- 1978 19.872 Plant communities of the Grand Canyon. *In*: Schuberth, Christopher J., *Field geology of the Grand Canyon*. Springfield, Illinois: Illinois State Museum, Guidebooklet 2, Appendix, pp. [23]-[45].  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-18|

**King, James E.**

- 1971 19.873 A river level pollen transect in the Grand Canyon of the Colorado River [ABSTRACT]. *In*: *Arizona Academy of Science–American Association for the Advancement of Science meeting*, Arizona State University, Tempe.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-18|

**King, James E., AND Sigleo, Wayne R.**

- 1973 19.874 Modern pollen analysis in the Grand Canyon [ABSTRACT]. *American Association of Stratigraphic Palynologists, Annual Meeting, Abstracts of Papers*, (4), p. 17.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 89| |CITED» GCNHA Monograph 8: page 4-18|

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 1973 19.4733 Modern pollen in the Grand Canyon, Arizona. *In*: Perkins, Bob F. (ed.), *Geoscience and Man, Volume VII : proceedings of the Fourth Annual Meeting, October 1971*. Baton Rouge: Louisiana State University, Department of Geoscience, pp. 73-81.. [“Two surface pollen transects were collected from the Grand Canyon, Arizona. One transect consisted of 22 samples collected at river level through the inner gorge, a river distance of 362 km; the other went from the South Rim to the North Rim across the canyon and comprised 25 samples.” (from the abstract)]

**King, Robert L.**

- 1924 19.4361 Heteromorphic homologous chromosomes in three species of *Pseudotrimerotropis* (Orthoptera: Acrididae). *Journal of Morphology*, 38(1) (September): 19-63. [Includes Grand Canyon.]

**King, Timothy A.**

- 2003 19.2381 Against all odds; reflections on a “lost” ponderosa pine. *Canyon Views* (Grand Canyon Association), 9(2) (Summer): 4. [Ponderosa pine in Inner Gorge.]
- 2004 19.2452 North Rim shrub contender for world record? *Nature Notes* (Grand Canyon National Park), (Spring): 9. [Little-leaf mountain mahogany, *Cercocarpus intricatus*, Locust Point.]

**Kingsley, Kenneth J.; Stanley, John T.; Carothers, Steven W.; Johnson, R. Roy; Finch, Deborah M.; Patten, Duncan T.; Sands, Anne; Shelby, Bo; AND Swanson, Frederick J.**

- 2018 19.6223 (COMPILERS) Appendix A: Western pioneers of riparian study through the 1980s. *In*: Johnson, R. Roy, Carothers, Steven W., Finch, Deborah M., Kingsley, Kenneth J., and Stanley, John T. (technical eds.), *Riparian research and management: Past, present, future: Volume 1. U.S. Forest Service, Rocky Mountain Research Station, General Technical Report RMRS-GTR-377*, pp. 212-219.

**Kingsley, Margaret Appleton**

- 1911 19.3676 On the anomalous splitting of the rhizome and root of *Delphinium scaposum*. *Torrey Botanical Club, Bulletin*, 38(7) (July): 307-317, Plates 13, 14. [See p. 307.]

**Kirk, Don**

- 1976 19.4528 Eat `em wild. *Down River*, 3(4) (April): 26-28. [Colorado River riparian ecosystem.]

**Kirkpatrick, John R.**

- 1995 19.3298 Southwestern Region: Arizona, New Mexico, West Texas and Oklahoma amendment of National Forest plans in the Southwestern Region to include guidelines for management of habitat for the Mexican spotted owl and northern goshawk. *Federal Register*, 60(93) (May 15): 25884. [Revised notice of intent to prepare Environmental Impact Statement.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Kirkwood, Scott**

- 2010 19.6763 It's only natural; Nature Valley teams up with NPCA to restore three parks. *National Parks*, 84(3) (Summer): 22-23. [Grand Canyon, p. 22. Projects entail removal of invasive plants.] [National Parks Conservation Association.]

**Kitchen, Stanley G., AND McArthur, E. Durant**

- 2007 19.4306 Big and black sagebrush landscapes. *In*: Hood, Sharon M., and Miller, Melanie (eds.), Fire ecology and management of the major ecosystems of southern Utah. *U.S. Forest Service, Rocky Mountain Research Station, General Technical Report RMRS-GTR-202*, pp. 73-95. [Includes Arizona Strip.]

**Kladiwa, Leo**

- 1963 19.4339 Das *Toumeyia*-Problem und die eingezogenen Genera *Navajoa* und *Turbinicarpus*. *Sukkulentenkunde* (Schweizerschen Kakteen-Gesellschaft, Jahrbuch) (Zürich), 7/8 (March): 42-60. [In German.]

**Klauber, Laurence M.**

- 1930 19.875 New and renamed subspecies of *Crotalus confluentus* Say, with remarks on related species. *San Diego Society of Natural History, Transactions*, 6(3) (February 28): 95-144, Plates 9-12. [See Grand Canyon Rattlesnake, *Crotalus confluentus abyssus*, new subspecies (pp. 114-117, Plate 11, figure 1 [legend on p. 142]). Type "Captured alive on the Tanner Trail 300 ft. below the south rim of the Grand Canyon, Coconino County, Arizona; altitude approximately 7000 ft. Collected Sept. 15, 1929, by E. D. McKee." Subspecies also studied on two other living specimens, from Roaring Springs power house and Grandview Trail, and ten other specimens from the South Rim and the inner canyon.] [See also Cochran (1961, [ITEM NO. 19.6149](#)), who provides data for paratypes in U.S. National Museum, from "Grand Canyon" and Shinumo Creek.]  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 8: page 4-18](#)
- 1935 19.876 A new subspecies of *Crotalus confluentus*, the prairie rattlesnake. *San Diego Society of Natural History, Transactions*, 8(13): 75-90, Plate 8. [Type from Canyon Diablo (extralimital to this bibliography). Grand Canyon region localities mentioned for other species.]
- 1936 19.877 A key to the rattlesnakes with summary of characteristics. *San Diego Society of Natural History, Transactions*, 8(20): 185-276.  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 8: page 4-18](#)
- 1945 19.6111 The geckos of the genus *Coleonyx* with descriptions of new subspecies. *San Diego Society of Natural History, Transactions*, 10(11) (March 9): 133-216. [See *Coleonyx variegatus variegatus* (Baird), p. 138 ff.; with extensive list of locality records (pp. 152-153) that include: "Toroweap Valley (south of Tuweep, Grand Canyon National Monument" and "Bright Angel Canyon, Grand Canyon National Park".]
- 1972 19.3337 *Rattlesnakes : their habits, life histories, and influence on mankind. Volume I.* Berkeley and Los Angeles: University of California Press, for Zoological Society of San Diego, 2nd ed., 740 pp. [Grand Canyon Rattlesnake, see pp. 50, 91, 415, 545, 633.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**Klaus, Jay**

- 1994 19.878 Jay Klaus' daily diary—1940; from the files. *In*: Carr, John N. (collector), *It was a rough road! . . . and other Arizona Game and Fish stories*. Phoenix: Heart Track Publications, pp. 13-21. [Arizona Game and Fish Department anecdotes; ellipsis is part of title. See p. 16; beaver.]

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**Klaver, Robert W.; Backlund, Douglas; Bartelt, Paul E.; Erickson, Michael G.; Knowles, Craig J.; Knowles, Pamela R.; AND Wimberly, Michael C.**

- 2012 19.4185 Spatial analysis of northern goshawk territories in the Black Hills, South Dakota. *The Condor*, 114(3): 532-543. [Compares the Kaibab Plateau population.]

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**Kline, Natasha**

- 1992 19.879 Winter waterfowl surveys on the Colorado River below Glen Canyon Dam. *Colorado Plateau* (Colorado Plateau Research Station, Northern Arizona University), 2(2) (Spring): 1, 5.

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**Kloeppel, Heidi M., AND Stevens, Larry** [Stevens, Lawrence E.]

- 2003 19.2433 Invertebrate pests in the Grand Canyon. *The Wild Thing* (Grand Canyon Wildlands Council Newsletter), (Fall): 12.
- 2004 19.2477 Seven Es guide development of Grand Canyon Wildlands network. *The Wild Thing* (Grand Canyon Wildlands Council Newsletter), (Summer): 10-11.

**Kloeppel, Heidi M.; Shannon, Joseph P.; AND Benenati, E.**

- 2003 19.2421 Distribution and trophic interaction of the invasive New Zealand Mudsail in the Colorado River through Grand Canyon [ABSTRACT]. *North American Benthological Society, Annual Meeting, Athens, Georgia, 2003*.

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**Klopatek, Carole Coe; Friese, Carl; Allen, Michael F.; DeBano, Leonard F.; AND Klopatek, Jeffrey M.**

- 1990 19.5959 The effect of a high intensity fire on the patch dynamics of VA mycorrhizae in pinyon-juniper woodlands. *In*: Fire and the Environment: Ecological and Cultural Perspectives : proceedings of an international symposium : Knoxville, Tennessee, March 20-24, 1990. U.S. Forest Service, Southeastern Forest Experiment Station, General Technical Report SE-69, pp. 123-128. [Coconino Plateau, Kaibab National Forest.] [VA: vesicular-arbuscular.]

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**Klötzli, F.**

- 1968 19.6938 Wald und Umwelt; die Rolle des Waldes für die Landschaftsökologie. *Schwizerische Zeitschrift für Forstwesen* (Journal Forestier Suisse) (Zürich), 119(4/5) (April/May): 264-334. [See p. 294, brief note of the Kaibab Plateau deer irruption.] [In German.]
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Klug, Foster**

- 2001 19.2023 Wild condor lays an egg. *The Waiting List* (Grand Canyon Private Boaters Association), 5(1) (Spring): 5. [Associated Press item, also previously distributed via *gcbpa Newswire*, March 30, 2001.]
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**Klymus, Katy E., AND Gerhardt, H. Carl**

- 2012 19.3765 AFLP markers resolve intra-specific relationships and infer genetic structure among lineages of the canyon treefrog, *Hyla arenicolor*. *Molecular Phylogenetics and Evolution*, 65(2) (November): 654-667. [Amplified fragment length polymorphism.]

**Klymus, Katy E.; Humfeld, S. C.; Marshall, V. T.; Cannatella, D.; AND Gerhardt, H. C.**

- 2010 19.3350 Molecular patterns of differentiation in canyon treefrogs (*Hyla arenicolor*): Evidence for introgressive hybridization with the Arizona treefrog (*H. wrightorum*) and correlations with advertisement call differences. *Journal of Evolutionary Biology*, 23(7) (July): 1425-1435.

**Klymus, Katy E.; Richter, Catherine A.; Thompson, Nathan L.; AND Hinck, Jo Ellen**

- 2017 19.5946 Metabarcoding with environmental DNA to identify wildlife species potentially attracted to uranium mine containment ponds as a water source in the arid southwest US [ABSTRACT]. *In*: Scientific abstracts from the 7th International Barcode of Life Conference, Nombolo Mdhuli Conference Centre, Skukuza Rest Camp, Kruger National Park, South Africa / Résumés scientifiques du 7e Conférence internationale "Barcode of Life", Nombolo Mdhuli Conference Centre, Skukuza Rest Camp, Kruger National Park, South Africa. *Genome*, 60(11): 955. [Uranium mining in Grand Canyon region.] [7th International Barcode of Life Conference, November 20-24, 2017.]
- 2017 19.6296 Metabarcoding of environmental DNA samples to explore the use of uranium mine containment ponds as a water source for wildlife. *Diversity* (MDPI: Multidisciplinary Digital Publishing Institute, Basel, Switzerland), 9(54): doi:10.3390/d9040054, 18 pp. + Supplemental Materials online (Tables S1-S3 and three Excel files) at [www.mdpi.com/1424-2818/9/4/54/s1](http://www.mdpi.com/1424-2818/9/4/54/s1). [Study sites include one active mine containment pond (Canyon Mine) and "man-made cattle tanks or natural pools of water within eight kilometers of active or inactive uranium mines".]
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**Kment, Petr; Carapezza, Attilio; AND Jindra, Zdeněk**

- 2020 19.6488 Taxonomic catalogue of the family Ochteridae with description of *Ochterus papaceki* sp. nov. from Socotra Island and Tanzania (Hemiptera: Heteroptera). *Acta Entomologica* (Musei Nationalis Pragae), 60(1): 23-64. [See *Ochterus barberi* Schell (p. 35), with rectification of holotype as lectotype; the species was erected in Schell's (1943, ITEM NO. 19.6155) January installment, with types (from Grand Canyon) designated in the April installment, for which Schell's holotype from Grand Canyon is redesignated a lectotype. See also *O. rotudus* J. T. Polhemus & M. S. Polhemus (p. 46), which reidentifies Schell's (1943) *O. viridifrons* (specimens from Grand Canyon).] [The newly described species of Kment *et al.*'s paper is not pertinent to this bibliography.]
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Knapp, Sandra; Sagona, Eva; Carbonell, Anna K. Z.; AND Chiarini, Franco**

- 2017 19.6166 A revision of the *Solanum eleagnifolium* clade (Eleagnifolium clade; subgenus *Leptostemonum*, Solanaceae). *PhytoKeys*, 84: 1-104. [Includes data from collection made in Havasu Canyon (listed p. 41: "Coconino County, Grand Canyon National Park, Havasu Canyon, 27 May 1950, Howell 26563 (CAS)" [ENTIRE NOTE]).]

**Knickerbocker, Margie, AND Knickerbocker, Hal**

- 1988 19.880 A Grand Canyon mini-adventure. *Arizona Highways*, 64(9) (September): 12-15. [Fight between rock squirrel and bull snake.]  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 8: page 4-18](#)

**Knight, Harry H.**

- 1921 19.4091 Monograph of the North American species of *Deraeocoris* (Heteroptera, Miridae). *Minnesota State Entomologist, 18th Report to the Governor*, pp. 77-210, Plate 8. [Published June 18, 1921.] [Grand Canyon specimens cited; see: *Deraeocoris* (*Camptobrochis*) *brevis* (Uhler), pp. 103-105; *D. fulvus*, new species (including paratypes from Grand Canyon), pp. 144-145; *D. bullatus*, new species (including holotype, allotype, and paratypes from Grand Canyon), pp. 147-148; *D. navajo*, new species (holotype from Grand Canyon), pp. 155-156); *D. fulvescens* (Reuter), pp. 167-169.]
- 1921 19.4092 Monograph of the North American species of *Deraeocoris*—Heteroptera Miridae. *University of Minnesota, Agricultural Experiment Station, Technical Bulletin 1*, pp. 77-210, Plate 8. [Published June 19, 1921. "This article appeared originally in the Eighteenth Report of the Minnesota State Entomologist, published June 18, 1921. In order to avoid confusion in citation, the original pagination is retained in this bulletin."]
- 1925 19.5495 Descriptions of thirty new species and two new genera of North American Miridae (Hemiptera). *Brooklyn Entomological Society, Bulletin*, 20(1) (February): 33-58. [See *Ceratocapsus clavicornis*, new species (pp. 47-48); holotype and allotype, "August 3, 1917, Grand View [Grandview], Grand Canyon, Arizona (H. H. Knight); author's collection"; also 30 paratypes "taken with the types on *Cowania mexicana*"; and a paratype from Williams, Arizona. Also see *Phytocoris mellarius*, new species (pp. 56-57); holotype and allotype, "August 3, 1917, Grand View [Grandview], Grand Canyon, Arizona (H. H. Knight); author's collection"; also nine paratypes "taken with the types. This species was probably collected on some conifer although I do not find the remarks in my notes."]
- 1926 19.6124 Descriptions of seven new species of *Pilophorus* (Hemiptera, Miridae). *Brooklyn Entomological Society, Bulletin*, 21(1/2) (February/April): 18-26. [See *Pilophorus strobicola*, new species (p. 19); localities of non-type study specimens include "Grand Canyon, Arizona". See also *P. fuscipennis*, new species (pp. 23-24); paratype material includes "♂ ♀, Aug. 3, 1917, Grand View [Grandview], Grand Canyon, Arizona (H. H. Knight)".]
- 1928 19.6120 New species of *Phytocoris* from North America (Hemiptera, Miridae). *Brooklyn Entomological Society, Bulletin*, 23(1) (February): 28-46. [See *Phytocoris hesperius*, new species; paratype specimens include "2♂ 1♀ Aug. 2, 1917, at top of Bright Angel trail, Grand Canyon (H. H. Knight)".]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 1929 19.6068 Descriptions of five new species of *Plagiognathus* from North America (Hemip.: Miridae). *Entomological News* (Academy of Natural Sciences of Philadelphia, Entomological Section), 40 (March): 69-74. [See p. 73, *Plagiognathus tenellus*, new species; holotype, allotype, and 12 paratypes from "top of Bright Angel trail, Grand Canyon, Arizona (H. H. Knight); author's collection."]
- 1934 19.6123 *Phytocoris* Fallen—twelve new species from the western United States (Hemiptera, Miridae). *Brooklyn Entomological Society, Bulletin*, 29(1) (February): 1-16. [See *Phytocoris varius*, new species (pp. 9-11); "Holotype: ♂ September 6, 1931, Grand Canyon (H. H. Knight); author's collection. Allotype: ♀, taken with the type. Paratypes: ♂, 3 ♀, taken with the types by beating on large cedar trees (*Juniperus* sp.) which were found growing behind the cabin camp located at the entrance gate of the Grand Canyon National Park." Also paratypes from Durango, Colorado and Chiricahua Mountains, Arizona.]
- 1968 19.5134 Taxonomic review: Miridae of the Nevada Test Site and the western United States. *Brigham Young University, Science Bulletin* (Biological Series), 9(3), 282 pp. [See: *Lepidopsallus ovatus* Knight, 1926 (p. 51), with the cursory note, "This species was described from Tucson, Arizona, and I have other specimens from Grand View [Grandview], Grand Canyon, and Williams." *Deraeocoris bullatus* Knight, 1921 (p.82), with the cursory note, "The species *bullatus* was described from specimens taken on cliff rose, *Cowania mexicana*, at Grand View, Grand Canyon, Arizona, in 1917." *Largidea rubida* (Uhler, 1904) (p. 84), with the cursory note, "I have collected it on pines, *Pinus*, in Colorado and at Grand View, Grand Canyon, Arizona." *Parthenicus cowaniae*, new species (pp. 148-149, Figure 211 (p. 147); types from Grand View [Grandview], Grand Canyon, and Hermit Rim Road, Grand Canyon. *Pilophorus exiguus* Poppius, 1914 (p. 168), with the cursory note, "Described from Bright Angel Trail, Grand Canyon, Arizona" (see Poppius, 1914, ITEM NO. 19.5135), with a "[!]ater record" from "Grand Canyon", 1925. *Bolteria juniperi*, new species (pp. 202-203, Figure 253), paratype "near Grand Canyon, Arizona". *Phytocoris flaviatus*, new species (p. 241, Figure 297 (p. 242), holotype "above Bright Angel Trail, Grand Canyon, Arizona".]

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**Knowlton, George F.**

- 1946 19.6119 Chermidae notes. *Brooklyn Entomological Society, Bulletin*, 41(2) (April): 61. [Includes *Chermes cooleyi* Gillette on Douglas fir, *Pineus coloradensis* (Gillette) on western yellow pine, and *Pineus similis* (Gillette) on *Pinus flexilis*; all noted from "Kaibab Forest, Arizona", which based on other localities listed in this brief item, in Utah to the north, pertains to Kaibab Plateau.]
- 1954 19.6114 Aphid records from United States and Canada. *Brooklyn Entomological Society, Bulletin*, 49(2) (April): 47-48. [See p. 48, "*Aphis armoraceae* Cowen. Alate on *Sphaeralcea*, Marble Canyon, Arizona, June 16, 1949."]
- 1958 19.6122 Tingidae are biters. *Brooklyn Entomological Society, Bulletin*, 53(3) (June): 73. [Regarding "irritating bites" when "*Corythucha morrilli* Osb. & D. tingid bugs were swept from rabbit brush, *Chrysothamnus nauseosus*". Localities noted include several in southern Utah and at Fredonia, Arizona.]
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Knox, Shawn C.; Chambers, Carol; AND Germaine, Stephen S.**

- 2001 19.2274 Habitat associations of the sagebrush lizard (*Sceloporus graciosus*): potential responses of an ectotherm to ponderosa pine forest restoration treatments. *In*: Vance, Regina K., Edminster, Carleton B., Covington, W. Wallace, and Blake, Julie A. (compilers), Ponderosa pine ecosystems restoration and conservation: steps toward stewardship; conference proceedings; Flagstaff, AZ, April 25-27, 2000. *U.S. Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-22*, pp. 95-98. [Study site in Grand Canyon-Parashant National Monument.]

**Knull, Josef N.**

- 1947 19.5222 New Buprestidae with notes (Coleoptera). *Ohio Journal of Science*, 47(4) (July): 174-176. [See p. 176, *Buprestia prospera* Csy., regarded as a "valid species", which notes, "Specimens are at hand from Arizona: Williams and south rim of Grand Canyon . . ." (ENTIRE NOTE)]
- 1957 19.4418 Three new species of *Aphricus* with a note on *Ctenicera* (Coleoptera: Elateridae). *Ohio Journal of Science*, 57(4) (July): 200-202. [See *Aphricus knowltoni*, new species, pp. 200-201; includes type material from Cameron, Arizona.]

**Ko, Katherine, AND Pilkington, Lonnie**

- 2018 19.5964 Citizen science along the river—dragonfly mercury project. *Boatman's Quarterly Review*, 31(3) (Fall): 8-10.

**Kobor, Jeremiah S., AND Springer, Abraham E.**

- 2003 19.2482 Predicting riparian vegetation response to groundwater withdrawals: An interdisciplinary modeling approach to a regional spring system, Grand Canyon, AZ [ABSTRACT]. *Geological Society of America, Abstracts with Programs*, 35(6): 374.

**Kobor, Jeremiah S.; Springer, Abraham E.; Scott, M. L.; AND Shafroth, P.**

- 2004 19.4555 Hydrologic and ecologic responses to diminished spring discharge; surface-water/groundwater and vegetation modeling, Grand Canyon, Arizona [ABSTRACT]. *Eos* (American Geophysical Union, Transactions), 85(47, Fall Meeting Supplement), Abstract H33D-0497.

**Koch, Frank H.; Yemshanov, Denys; Haack, Robert A.; AND Magarey, Roger D.**

- 2014 19.4523 Using a network model to assess risk of forest pest spread via recreational travel. *PLoS One*, 9(7) (July): e102105, doi:10.1371/journal.pone.0102105, 10 pp. + Supporting Information (Appendices S1-S5) accessible with paper at [www.plosone.org](http://www.plosone.org). [Includes out-of-state origin risk for Arizona.]

**Koch, Glenn**

- 2004 19.3931 Right place, right time. *Deer Times* (Arizona Deer Association), (Summer): 20-21. [Arizona Strip mule deer hunting.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**Koenig, Hans F.**

- 2004 19.3836 The Utah mountain kingsnake (*Lamnpropeltis pyromelana infralabialis*) in Arizona (Tanner, 1953). *Sonoran Herpetologist* (Tucson Herpetological Society), 17(3): 29-30. [Includes note of a specimen purportedly photographed at Jacob Lake, Arizona.]

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**Koenig, Karen**

- 2011 19.4952 Modeling long-term changes to stand structure and fuels within different burn severities [ABSTRACT]. *In: Rethinking Protected Areas in a Changing World : The George Wright Society Conference on Parks, Protected Areas and Cultural Sites, March 14-18, 2011, New Orleans, Louisiana : abstracts.* [No place]: George Wright Society, p. 17. [Grand Canyon National Park.]

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**Kolb, Melita M.**

- 1966 19.6785 *The mechanism and frequency of sickling of red blood cells in deer.* Master's thesis, University of Arizona, 23 pp. [Blood from 209 mule deer and 55 white-tailed deer; collections include "133 specimens from the Kaibab Plateau in northern Arizona".]

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**Koller, Rebecca C.; Omana Smith, Emily; Schelly, Robert; AND Healy, Brian**

- 2017 19.5850 Humpback chub translocations and nonnative fish control: Grand Canyon success stories [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], pp. 89-90.

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**Kondolf, G. Mathias**

- 2000 19.2915 Assessing salmonid spawning gravel quality. *American Fisheries Society, Transactions*, 129: 262-281.

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**Kondolf, G. Mathias; Cook, Stuart S.; Maddux, Henry R.; AND Persons, William R.**

- 1989 19.881 Spawning gravels of rainbow trout in Glen and Grand canyons, Arizona. *Arizona-Nevada Academy of Science, Journal*, 23: 19-28.

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**Kondratyuk, S., AND Poelts, J.**

- 1997 19.4377 Two new Asian *Xanthoria* species (*Teloschistaceae*, lichenized Ascomycotina). *Lichenologist*, 29(2): 172-190. [See *Xanthoria alfredi*, new species (pp. 178-180), based on specimens from Russia and China. A footnote (p. 180) is added: "After the submission of this paper one collection of *Xanthoria alfredi* was kindly provided by U. Søchting from the U.S.A.: Arizona, Kaibab National Forest, alt. c. 2000 m, on bark of *Populus*, 28 viii 1994, U. Søchting 7013 (hb. U. Søchting)." (ENTIRE NOTE) The voucher specimen is in the herbarium of U. Søchting.]
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Konstant, William R., AND Mittermeier, Russell A.**

- 1997 19.882 United States of America. *In*: Mittermeier, Russell A., and Mittermeier, Cristina Goettsch, *Megadiversity : Earth's biologically wealthiest nations* (Patricio Robles Gil, coordinator). México: CEMEX, S.A., 1st English ed., pp. 386-405. [See pp. 396, 397.] [Dust jacket lists authors as Russell A. Mittermeier, Patricio R. Gil, and Cristina G. Mittermeier.]

**Kooser, Ara; Kimble, Jascon C.; Young, Jesse M.; Beucher, Debbie C.; Valdez, Ernest W.; Porras Alfara, Andrea; AND Northup, Diana E.**

- 2015 19.4729 External microbiota of western United States bats: Does it matter where you are from? *bioRxiv* (The Preprint Server for Biology), (March 31), <https://doi.org/10.1101/017319> + Data Supplement online (Excel file). [Includes Grand Canyon-Parashant National Monument.] [*bioRxiv* = "bio archive" (bio archive)]

**Korman, Josh, AND Campana, Steven E.**

- 2005 19.2562 Effects of 2003-04 fluctuating flows from Glen Canyon Dam on the early life history stages of rainbow trout in the Colorado River. Part 2: Effects of young-of-year habitat us, growth, and survival [ABSTRACT]. *In*: *Colorado River Ecosystem Science Symposium 2005. Abstracts. October 25-27, 2005, Fiesta Inn Resort, 2100 South Priest Drive, Tempe, AZ.* [Flagstaff, Arizona]: [U.S. Geological Survey, Grand Canyon Monitoring and Research Center], p. 38. [For Part 1 see Korman *et al.*, [ITEM NO. 19.2563](#).]
- 2009 19.3148 Effects of hydropeaking on nearshore habitat use and growth of age-0 rainbow trout in a large regulated river. *American Fisheries Society, Transactions*, 138(1): 76-87.

**Korman, Josh, AND Melis, Theodore S.**

- 2011 19.3367 The effects of Glen Canyon Dam operations on early life stages of rainbow trout in the Colorado River. *U.S. Geological Survey, Fact Sheet 2011-3002*, 4 pp.

**Korman, Josh, AND Yard, Michael D.**

- 2015 19.4863 Causes and patterns in boom and bust cycles of the rainbow trout population in the Glen Canyon Dam tailwater as determined by an intensive mark-recapture study [ABSTRACT]. *In*: *13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 53.

**Korman, Josh; Kaplinski, Matt; AND Buszowski, Joseph**

- 2006 19.3146 *Effects of air and mainstem water temperatures, hydraulic isolation and fluctuating flows from Glen Canyon Dam on water temperatures in shoreline environments of the Colorado River in Grand Canyon : final report.* [No imprint], for [U.S. Geological Survey], Grand Canyon Monitoring and Research Center, Flagstaff, Arizona, 52 pp. (Cooperative Agreement No. 04WRAG00006, Modification 1.)

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Korman, Josh; Kaplinski, Matt A.; Hazel, Joseph E., Jr.; AND Melis, Theodore S.**

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- 2005 19.3149 *Effects of the experimental fluctuating flows from Glen Canyon Dam in 2003 and 2004 on the early life history stages of rainbow trout in the Colorado River. Final report. Report for U.S. Geological Survey, Grand Canyon Monitoring and Research Center, Flagstaff, Arizona, 171 pp. ("For Cooperative Agreement No: 04WRAG0006, Modification No. 002".)*

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- 2010 19.3306 Effects of high-flow experiments from Glen Canyon Dam on abundance, growth, and survival rates of early life stages of rainbow trout in the Lees Ferry reach of the Colorado River. *U.S. Geological Survey, Open-File Report 2010-1034*, 31 pp.

**Korman, Josh; Martell, J. D.; Waltes, Carl J.; Makinster, Andrew S.; Coggins, Lewis G.; Yard, Michael D.; AND Persons, William R.**

- 2012 19.3739 Estimating recruitment dynamics and movement of rainbow trout (*Oncorhynchus mykiss*) in the Colorado River in Grand Canyon using an integrated assessment model. *Canadian Journal of Fisheries and Aquatic Sciences*, 69: 1827-1849.

**Korman, Josh; Wiele, S. M.; AND Torizzo, M.**

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**Korman, Josh; Yard, Michael D.; Yackulic, Charles B.; AND Tierney, Keith**

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**Korman, Josh; Yard, Mike [Yard, Michael D.]; AND Speas, Dave [Speas, David W.]**

- 2006 19.3559 *An evaluation of the utility of snorkel surveys for estimating population size and tracking trends in relative abundance of rainbow trout in the Lee's Ferry reach of the Colorado River. [No imprint], for Arizona Game and Fish Department, Phoenix, 43 pp.*

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**Korman, Josh; Yard, Michael; Yackulic, Charles; Dzul, Maria; Wright, Scott; Dodrill, Michael; AND Kennedy, Theodore**

- 2018 19.6065 In growth we trust: Effects of abiotic and biotic factors on somatic growth rates of non-native fish and their impacts on native populations [ABSTRACT]. *In: ISEC 2018 Conference Book : ISEC International Statistical Ecology Conference : University of St Andrews, 2<sup>nd</sup>-6<sup>th</sup> July 2018.* [St Andrews, Scotland]: University of St Andrews, Centre for Research into Ecological and Environmental Modelling, p. 182. [Colorado River, Glen Canyon Dam to Little Colorado River confluence.]

**Koronkiewicz, Thomas J.; McLeod, Mary Anne; Brown, Bryan T.; AND Carothers, Steven W.**

- 2004 19.3953 *Southwestern willow flycatcher surveys, demography, and ecology along the lower Colorado River and tributaries, 2003.* Flagstaff, Arizona: SWCA Environmental Consultants, for U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, Boulder City, Nevada, SEPARATELY PAGINATED SECTIONS, 125+ pp. [176 pp. total]. [For errata, see report for 2004 (M. A. McLeod et al. (2005, ITEM NO. 11.4336).)]
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**Korsós, Zoltán, AND Zachar, Zita**

- 2019 19.6455 Kaktuszok és csörgőkígyók; Arizona földjén. *Állatvilág* (Fővárosi Állat és Növénykert, with Magyar Természettudományi Múzeum, Solymár, Hungary), 6(4) (July/August): 4-7. [Cacti. Includes Grand Canyon.] [In Hungarian.]

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**Kral, Thomas W.**

- 1996 19.4422 Getting the facts straight: Thomas Kral speaks out. *News of the Lepidopterists' Society*, 38(2) (April): 41-44. [Includes the text of the author's pre-sentencing statement with regard to federal charges levied for specimen "poaching" on federal lands, which includes passing notice of Grand Canyon National Park.]

**Kramer, James P.**

- 1979 19.6062 Taxonomic study of the planthopper genus *Myndus* in the Americas (Homoptera: Fulgoroidea: Cixiidae). *American Entomological Society, Transactions*, 105 (September): 301-389. [See *Myndus yuccandus* Ball (p. 328, Figures 54-56 [p. 327, legend (p. 326) indicates illustrations from paratype]), type material examined from "Grand Canyon, Arizona." Kramer notes: "Holotype male, Grand Canyon, Arizona, 4



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

August 1930, E.D. Ball. The information published with the original description is slightly different from that on the labels of the holotype; this is probably due to a lapsus by Ball. The previously published locality was given as 'Grand Canyon Bridge' and the date of collection '30 August 1930'. One paratype male with same data. Both are in the collection of the USNM." (no further specifics) Refers to Ball (1933, [ITEM NO. 19.6063](#)).] [*NOTE*: "Grand Canyon Bridge" is certainly Navajo Bridge, and it is feasible that this is the correct locality and date. Not resolved here.]

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**Kraus, Paul**

- 1933 19.884 An outrage. *Grand Canyon Nature Notes*, 8(8) (November): 209-210. [Three chipmunks invade a pygmy nuthatch nest on the North Rim.]  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 2: page 90](#) | [CITED» GCNHA Monograph 8: page 4-18](#)]
- 1933 19.5065 [Mountain sheep ram living on canyon rim near Havasupai Point.] *In*: Miscellany. *Grand Canyon Nature Notes*, 8(8) (November):.  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 2: page 93](#) | [CITED» GCNHA Monograph 8: page 4-25](#)]

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**Krause, Crystal M.**

- 2012 19.4466 Spatial patterns of endemic plant species of the Colorado Plateau. *Calochortiana* (Utah Native Plant Society), (1) (December): 63-76.

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**Kravitz, Irving**

- 1934 19.5078 [Yellow-headed blackbird and Brewer's blackbirds at Grand Canyon Airport.] *In*: Field Observations [SECTION]. *Grand Canyon Nature Notes*, 9(2) (May):. [Airfield at Red Butte.]  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 2: page 91](#) | [CITED» GCNHA Monograph 8: page 4-21](#)]

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**Kreidel, George A.**

- 1922 19.6003 *Notes of a Catholic biologist*. St. Louis (Missouri) and London: B. Herder Book Co., 276 pp. [See pp. 108-109, note of wind dispersal of seeds; includes observation at Grand Canyon, *in passing*.]

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**Kremer, Stefan**

- 2008 19.4590 Grand Canyon: Zwei Kondorküken lernen fliegen. *Southwest Chronicle* (USA Reporter, Magazin über den Südwesten der USA, Stolberg, Germany), (December): 5. [*In German*.]
- 2009 19.4591 Arizona: National Natural Landmark für das Kaibab squirrel. *Southwest Chronicle* (USA Reporter, Magazin über den Südwesten der USA, Stolberg, Germany), (January): 3. [*In German*.]
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Kroeber, A. L. [Kroeber, Alfred Louis]**

- 1939 19.885 Cultural and natural areas of native North America. *University of California, Publications in American Archaeology and Ethnology, Volume 38.*  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-18|
- 1963 19.886 *Cultural and natural areas of native North America.* Berkeley, California: University of California Press, 240 pp.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-18|
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**Kruidenier, Francis J., AND Mehra, Krishna N.**

- 1958 19.5223 *Wellcomia perognathi* n. sp. (Nematoda: Oxyuridae) from pocket mice, *perognathus intermedius* (Merriam, 1889) of the Grand Canyon, Arizona. *Illinois State Academy of Science, Transactions*, 51(3/4) (July 10): 20-25. [Type locality not indicated further than "Grand Canyon National Park".]
- 1959 19.4327 *Aspiculuris ackerti*, n. sp. (Nematoda: Oxyuridae) from the wood rats of Arizona. *Helminthological Society, Proceedings*, 26(2) (July): 147-150. [New species of nematode removed from neotimid rats examined during 1954 expedition to Grand Canyon. Refers to the collections of Kruidenier and Peebles (1958), but does not list the publication in the references (identified here as [ITEM NO. 19.4328](#)).]

**Kruidenier, Francis J., AND Peebles, C. R.**

- 1957 19.4501 Nematodes in Grand Canyon rodents: *Syphacia*, *Gongylonema* and *Rictularis* [ABSTRACT]. *In*: Program and Abstracts of the Thirty-second Annual Meeting of the American Society of Parasitologists, Philadelphia, Pennsylvania, October 30, 31, November 1, 2, 1957. *Journal of Parasitology*, 43(5, Section 2 (Supplement)) (October): 29.
- 1958 19.4328 *Gongylonema* of rodents: *G. neoplasticum* (redefinition); *G. dipodomysis* n. sp.; and *G. peromyski* n. sp. *American Microscopical Society, Transactions*, 77(3) (July): 307-315. [See *Gongylonema peromysci*, new species, pp. 310-312, Plate 2, figures 1-6 (p. 313); holotypes [*sic*] from "Grand Canyon National Park, Coconimo [*sic*] County, Arizona", removed from "cricetic mice taken on the north and south rims of the Grand Canyon" (p. 314).] [See also additional study by Kruidenier and Mehra (1959, [ITEM NO. 19.4327](#)).]
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**Krumbo, Kim, AND Davis, Katie**

- 2016 19.5311 Landscape conservation history. *In*: Stevens, Lawrence E. (ed.), *The natural and human history of the proposed Greater Grand Canyon Heritage National Monument*. Flagstaff, Arizona: Museum of Northern Arizona, Springs Stewardship Institute, pp. 71-75. [Cover title for volume: *An ecological and cultural assessment of the proposed Greater Grand Canyon Heritage National Monument*.]
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**Kubly, Dennis M.**

- 1992 19.887 Trout. *In*: *Long-Term Monitoring Workshop for the Grand Canyon, October 5-6, Irvine, California*. [National Research Council, Water Science and Technology Board], 4 pp. [separately paginated].

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**Kubly, Dennis M.; deVos, James C.; AND Maddux, Henry**

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 ≡ CROSS-LISTINGS [CITED» GCNHA Monograph 8: page 4-18]

**Kubly, Dennis M.; Sorensen, Jeff A.; AND Henderson, Norman R.**

- 1998 19.2045 *Contingency plan for relocating Niobrara ambersnails from -9 Mile Spring, Glen Canyon, in the event of an emergency, high discharge flood from Glen Canyon Dam : an evaluation of potential scenarios and options prepared for the interagency Kanab Ambersnail Working Group.* [No imprint], 7 pp.
- 2001 19.5982 Contingency plan for relocating Niobrara ambersnails from -9 Mile Spring, Glen Canyon, in the event of an emergency, high discharge flood from Glen Canyon Dam : an evaluation of potential scenarios and options prepared for the interagency Kanab Ambersnail Working Group. *In*: Sorensen, Jeff A., and Nelson, Clay B., *Final progress report for 2000: Status of translocated Kanab ambersnail populations in Grand Canyon, Arizona : status of the Phoenix Zoo ambersnail refugium : status of the Niobrara ambersnail population at Minus 9 Mile Spring, Glen Canyon, Arizona.* Phoenix: Arizona Game and Fish Department, Nongame and Endangered Wildlife Program. [Reprinting of Kubly *et al.* (1998, ITEM NO. 19.2045).]

**Kucera, James R.; Durden, Lance A.; AND Kim, Ke Chung**

- 2007 19.2861 New records of sucking lice (Phthiraptera: Anoplura) from the western United States. *Journal of Vector Ecology*, 32(2) (December): 366-370. [Includes records from Kaibab Plateau and other locales on the Arizona Strip.]

**Küchler, A. W., AND McCormick, Jack**

- 1971 19.889 (COMPILERS) *Vegetation maps of North America* (International Bibliography of Vegetation Maps [A. W. Küchler, ed.], Volume 1). Naarden: Anton W. Van Bikhoven, 453 pp.

**Kuhnt, P., AND Reineck, G.**

- 1908 19.6189 Aus den Sitzungen. I. *Deutsche Entomologische Zeitschrift*, 1908(2) (March 1): 282-293. [See p. 28: "Horn zeigt eine *Amblychila*-Larve (wahrscheinlich *A. Schwarzii*: Peach Spring, Arizona: Ch. Fuchs) von 28 mm Länge, die sich von den G. Hornschen Angaben (Tr. Am. Ent. Soc. 1876) vor allem durch das Vorhandensein von jederseits 2 Augen unterscheidet." It is not clear to which paper by George H. Horn in the 1876 *Transactions of the American Entomological Society* is referred; Peach Spring (Peach Springs) is not noted in any of them. However, "The Sexual Characters of North American Cicindelidæ with Notes on Some Groups of *Cicindela*" (pp. 232-240, Plate I) includes *Amblychila* Say (pp. 233-234). Plate I in this volume is not called out in any paper therein; it does, however, include "Fig. 18.—Hind trochanter and last ventral ♂ and ♀ of *Amblychila*." Thus it is to this paper that Kuhnt and Reineck seem to have referred, although the absence of specific information as noted by them is a matter not resolved here. The specific epithet, *schwarzi*, pertains to *A. schwarzi* Walther

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

Hermann Horn, 1903. The genus is correctly *Amblycheila* Say, 1830; *Amblychila* is an unjustified emendation by Agassiz, 1846.] [In German.]

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**Kuijt, Job**

2003 19.6916 Monograph of *Phoradendron* (Viscaceae). *Systematic Botany Monographs*, (66), 643 pp. [See within the representative specimens for *Phoradendron juniperinum* (pp. 533-535); systematic description, pp. 249-251; distribution map, fig. 57 (p. 129).]

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**Kumar, Manish; Kumar, Praveen; Kaur, Amardeep; Kaur, Sandeep; AND Kaur, Satwinderjeet**

2023 19.7004 Bioactive phytochemicals from *Ephedra*: An updated review. *Thai Journal of Pharmaceutical Sciences*, 47(4): e7 (11 pp.) (<https://digital.car.chula.ac.th/tjps/vol47/iss4/7>). [See p. 1, note in passing of the therapeutic use of *Ephedra* by the Havasupai and Hualapai, among others.]

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**Kunzmann, Michael R.; Bennett, Peter S.; AND Ball, George L.**

1990 19.4105 The use of ecological modeling in geographic information systems: The prediction of LD<sub>50</sub> species mortality from fire intensity. *In: Proceedings : Resource Technology 90 : Second International Symposium on Advanced Technology in Natural Resources Management, Georgetown University, Washington, D.C., November 12-15*. American Society for Photogrammetry and Remote Sensing, pp. 118-127. [Includes Grand Canyon.]

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**Kula, Naci**

2000 19.6345 Kur'an işiginda insan-çevre ilişkisinin ruh sagligi açlısından önemi. [The importance of human-environment relationship in terms of mental health in the light of the Qur'an.] *Uludağ Üniversitesi İlâhiyat Fakültesi*, 9(9): 361-376. [See p. 369, reference to and brief discussion of environmental balance of Kaibab deer (referred to, in translation here, as "a gazelle species called Kaibab in Arizona").] [In Turkish.]

2011 19.6346 The principles of relationship between human and the environment in the Qur'an. *Hitit Üniversitesi İlâhiyat Fakültesi Dergisi*, 2011(2), 10(20): 117-137. [See pp. 128-129, reference to and brief discussion of environmental balance of "the family of antelope, called 'Kaibab', living in Arizona" (i.e., Kaibab deer).] [In English, with abstract and title also in Turkish; "Kur'an'da İnsan ve Çevre İlişkisinin Prensipleri".]

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**Kurth, James W.**

2018 19.5879 Endangered and Threatened wildlife and plants; removing textual descriptions of critical habitat boundaries for mammals, birds, amphibians, fishes, clams, snails, arachnids, crustaceans, and insects. *Federal Register*, 83(82) (April 27): 18698-18726. [U.S. Fish and Wildlife Service. Final rule; technical amendment.]

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**Kutter, Joe**

2002 19.2329 Rendezvous with intrepid lizard. *Boatman's Quarterly Review*, 15(3) (Fall): 31.

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**Kyle, R. Logan**

- 2008 19.3016 New trees branch out along Del Valle. *Observation Post* (U.S. Marine Corps Air Ground Combat Center, Twentynine Palms, California), 51(9) (February 27): A6. [Tamarisk eradication; also noted is tamarisk in "Grand Canyon in Nevada" *[sic]*.]
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**Kylie, H. R.; Hieronymus, G. H.; AND Hall, A. G.**

- 1937 19.2899 *CCC forestry*. Washington, D.C.: U.S. Government Printing Office, 335 pp. [See pp. 212, 214, 281.] [Civilian Conservation Corps.]
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**La Sorte, Frank A.**

- 2004 19.3048 *Habitat association of sympatric red-tailed hawks and northern goshawks on the Kaibab Plateau, Arizona*. Master's thesis, University of Arizona, 62 pp.

**La Sorte, Frank A.; Mannan, R. William; Reynolds, Richard T.; AND Grubb, Teryl G.**

- 2004 19.2483 Habitat associations of sympatric red-tailed hawks and northern goshawks on the Kaibab Plateau. *Journal of Wildlife Management*, 68(2): 307-317.
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**LaBerge, Wallace E.**

- 1967 19.6173 A revision of the bees of the genus *Andrena* of the western hemisphere. Part I. *Callandrena*. (Hymenoptera: Andrenidae). *University of Nebraska State Museum, Bulletin*, 7 (October): 1-318. [See: *Andrena (Callandrena) helianthi* Robertson, 1891 (pp. 94-101), locality records (within the boundaries of this bibliography) include only "Fredonia", in Arizona (p. 100, no further details); *A. (C.) pecosana* Cockerell, 1913 (pp. 112-117), locality records include "UTAH: Kaibab Forest" (p. 116, no further details; the distribution map [p. 116] plots a dot perhaps at the area of Kanab, Utah, thus perhaps a misregistration for the Kaibab Plateau), *A. (C.) utahensis*, new species (pp. 258-260, Figures 292-296 [p. 314]), paratypes include 5 females and 1 male from "Grand Canyon", collected by G. E. Bohart, June 5, 1940.]
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**Lachowicz, Joanna Izabela; Szczepski, Kacper; Scano, Alessandra; Casu, Cinzia; Fais, Sara; Orrù, Geramano; Pisano, Barbara; Piras, Monica; AND Jaremko, Mariusz**

- 2020 19.6779 The best peptidomimetic strategies to undercover antibacterial peptides. *International Journal of Molecular Sciences*, 21 (7349) (doi:10.3390/ijms21197349), 45 pp. [Includes note of "antibacterial Lys49 PLA2 toxin (CoaTx-II isolated from *Crotalus oreganus abyssus* snake venom)." (p. 11, with reference to Almeida *et al.*, 2018, [ITEM NO. 19.6339](#)).]
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Lack, David**

- 1954 19.890 *The natural regulation of animal numbers.* Oxford: Clarendon Press, 343 pp. [See pp. 121, 170-171.] [Kaibab deer.]
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**Laferrière, Joseph E.**

- 1992 19.891 Berberidaceae; barberry family. *In*: Vascular Plants of Arizona Editorial Committee, A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 26(1): 2-4.  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 8: page 4-39](#)
- 1994 19.892 Juglandaceae; walnut family. [*In*: A new flora for Arizona in preparation.] *Arizona-Nevada Academy of Science, Journal*, 27(2): 219.
- 1994 19.893 Platanaceae; sycamore or plane tree family. [*In*: A new flora for Arizona in preparation.] *Arizona-Nevada Academy of Science, Journal*, 27(2): 238.
- 1994 19.894 Santalaceae; sandalwood family. [*In*: A new flora for Arizona in preparation.] *Arizona-Nevada Academy of Science, Journal*, 27(2): 240.
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**Lair, Bridget; Brooks, Matt; AND Deuser, Curt**

- 2005 19.2597 Evaluating postfire seeding treatments to suppress cheatgrass (*Bromus tectorum*) in ponderosal [*sic*] pine forests on the Shivwits Plateau [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. 57. [Ponderosa pine.]
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**Lamb, Samuel H.**

- 1975 19.895 *Woody plants of the Southwest.* Santa Fe, New Mexico: Sunstone Press, 177 pp.  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 8: page 4-18](#)
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**Lamb, Susan**

- 2013 19.3946 Grand Canyon life zones; from the arctic to the desert in one vertical mile. *Canyon Views* (Grand Canyon Association), 20(2) (Spring): 8-9. ("Excerpt from Susan Lamb's *Grand Canyon Wildlife: From Rim to River*, a new book from Grand Canyon Association, coming this fall".)
- 2013 19.4893 *Grand Canyon wildlife : rim to river.* Grand Canyon, Arizona: Grand Canyon Association, 64 pp.
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**Lamb, Trip; Jones, Thomas R.; AND Wettstein, Peter J.**

- 1997 19.5955 Evolutionary genetics and phylogeography of tassel-eared squirrels (*Sciurus aberti*). *Journal of Mammalogy*, 78(1) (February): 117-133. [Includes *S. a. kaibabensis*.]
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Lambert, Carrie M. E.; Reynolds, Richard T.; AND Savidge, Julie A.**

- 2010 19.4245 Identifying individual northern goshawks (*Accipiter gentilis*) using patterns on molted feathers [ABSTRACT]. *In: Raptors in a Changing World : Raptor Research Foundation, 2010 Annual Meeting, Program and Abstracts, Fort Collins, Colorado, September 22-26, 2010*, p. 87. [Kaibab Plateau.]

**Lambert, Jeffrey S.; Reynolds, Richard T.; AND Binkley, Daniel**

- 2010 19.4246 The 2006 Kaibab Plateau Warm fire: Effects of fire severity on the northern goshawk (*Accipiter gentilis*) [ABSTRACT]. *In: Raptors in a Changing World : Raptor Research Foundation, 2010 Annual Meeting, Program and Abstracts, Fort Collins, Colorado, September 22-26, 2010*, p. 87.

**Lamme, Sara, AND Carlsson, Julia**

- 2017 19.6348 19 oktober: Grand Canyon National Park, Arizona. *In: Life Taiga-projektets USA-resa, 18-29 oktober 2017 : reseberättelse*. [No place]: [Sverige] Länsstyrelserna, pp. 3-4. [Regarding work on controlled fires during a Life Taiga nature conservation project trip to the U.S.] [In Swedish.]

**Landers, Rich**

- 2007 19.3749 Far West. *In: 150 Best Summer Fishing Spots* [FEATURE]. *Field and Stream*, 112(2) (June): 56-57. [See "Arizona. 2. Colorado River at Lees Ferry" (p. 56).]

**Landolt, Elias**

- 1992 19.896 Lemnaceae; duckweed family. *In: Vascular Plants of Arizona* Editorial Committee, A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 26(1): 10-14.  
 ≡ CROSS-LISTINGS [CITED» GCNHA Monograph 8: page 4-39]

**Landrum, Leslie R.**

- 1994 19.897 Fagaceae; oak family. [*In: A new flora for Arizona in preparation.*] *Arizona-Nevada Academy of Science, Journal*, 27(2): 203-214.  
 1995 19.898 Aceraceae; maple family. [*In: A new flora for Arizona in preparation.*] *Arizona-Nevada Academy of Science, Journal*, 29(1): 2-5.

**Lang, Jade, AND Traynor, Elizabeth**

- 2017 19.5315 The wild Grand Canyon. *National Park Journal* (Grand Canyon Edition) (National Park Trips Media, Boulder, Colorado), 2017: 20-21. [Animals.]  
 2018 19.5684 The wild Grand Canyon. *National Park Journal* (Grand Canyon Edition) (National Park Trips Media, Boulder, Colorado), 2018: 18. [Animals.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**Langstaff, Larry G., AND Wides, Bernard**

- 1988 19.899 Lizard density studies along the Colorado River in the Grand Canyon National Park. *In: Colorado River Investigations VI : July/August, 1987* (supervised by Stanley S. Beus, Steven W. Carothers, and Frank B. Lojko). Flagstaff, Arizona: Northern Arizona University, for U.S. National Park Service, Grand Canyon National Park, pp. 60-72.
- 1988 19.900 Distribution of beaver along the Colorado River in Grand Canyon National Park: Possible results from the high water flows of 1983. *In: Colorado River Investigations VI : July/August, 1987* (supervised by Stanley S. Beus, Steven W. Carothers, and Frank B. Lojko). Flagstaff, Arizona: Northern Arizona University, for U.S. National Park Service, Grand Canyon National Park, pp. 73-76.
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**Lankton, Julia S., AND Hinck, Jo Ellen**

- 2017 19.5851 The use of pathology to assess tissue injury in wildlife associated with mining activity [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. 91-92. ["[S]urvey of wild mammals at breccia pipe uranium mines in the Grand Canyon watershed."]
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**Lanner, Ronald M.**

- 1974 19.2982 Natural hybridization between *Pinus edulis* and *Pinus monophylla* in the American Southwest. *Silvae Genetica*, 23(4): 108-116.

**Lanner, Ronald M., AND Phillips, Arthur M., III**

- 1992 19.2110 Natural hybridization and introgression of pinyon pines in northwestern Arizona. *International Journal of Plant Sciences*, 153(2) (June): 250-257.
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**Laroux, Chuck**

- 2016 19.4972 [Color photograph of the collared lizard, *Crotophytus collaris*.] *The Ol' Pioneer* (Grand Canyon Historical Society), 27(2) (Spring): 12.
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**Larsen, Eric**

- 2004 19.4490 Conservation Notes [COLUMN]. *Forward Casts* (Desert Fly Casters, Phoenix), (December): 4. [See "Grand Canyon/Colorado River", regarding the Lees Ferry fishery.]
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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- 2017 19.6374 *Relation between riparian vegetation and sandbar dynamics in the Colorado River*. Master of Science Thesis Report, Delft University of Technology, 73 pp. [Study sites between Lees Ferry and 119 Mile Creek.] [Master's thesis. Preface (p. 3) indicates "research is done in cooperation with Deltares [Delft, Netherlands], and USGS Grand Canyon Monitoring and Research Center"; page includes the logos of Deltares, U.S. Geological Survey, and Technische Universiteit Delft.]

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**Lord, Thom**

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- 2007 19.6304 Elves Chasm, one of the many hanging gardens within the Grand Canyon. *In*: Raese, Jon W. (ed.) Facing tomorrow's challenges—U.S. Geological Survey science in the decade 2007-2017. *U.S. Geological Survey, Circular 1309*, p. 8. [Photo.]

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- 2017 19.5854 Lung bioassay of ground dwelling mammals from the Grand Canyon uranium breccia pipe region using scanning electron microscopy [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. 95.

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- 2006 19.6408 Areas where habitat characteristics could be evaluated to identify potential black-footed ferret reintroduction sites and develop conservation partnerships. *In*: Roelie, James E., Miller, Brian J., Godbey, Jerry L., and Biggins, Dean E. (eds.), Recovery of the black-footed ferret: Progress and continuing challenges : proceedings of the symposium on the Status of the Black-footed Ferret and its Habitat, Fort Collins, Colorado, January 28-29, 2004. *U.S. Geological Survey, Scientific Investigations Report 2005-5293*, pp. 69-88. [Existing reintroduction sites include Aubrey Valley, Arizona.]

**Luce, Robert J., AND Keinath, Doug**

- 2007 19.3067 *Spotted bat (Euderma maculatum): A technical conservation assessment; prepared for the USDA Forest Service, Rocky Mountain Region, Species Conservation Project.* [No imprint], 51 pp. [Includes notes on Grand Canyon and Kaibab Plateau occurrences.]

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**Lupher, M. L., AND Clarkson, R. W.**

- 1994 19.3165 Temperature tolerance of humpback chub (*Gila cypha*) and Colorado squawfish (*Ptychocheilus lucius*) [ABSTRACT]. *Desert Fishes Council, Proceedings*, 25: 38.

**Lupoli, C. A.; Sabo, J. L.; Kennedy, T. A.; Muehlbauer, J. D.; AND Yackulic, C. B.**

- 2017 19.5855 Hydropower and the aquatic-terrestrial dynamic along the Colorado River [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. 95.

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- 2015 19.4865 Data driving decisions about fire management [ABSTRACT]. *In*: *13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 56. [Grand Canyon National Park.]

**Lüthy, Johnas M.**

- 1999 19.4934 Einige neue Kakteenamen. *Kakteen und andere Sukkulente* (Deutsche Kakteen-Gesellschaft; Gesellschaft Österreichischer Kakteenfreunde; Schweizerische Kakteen-

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Gesellschaft), 50(11): 277-280. [See p. 278, *Pediocactus peeblesianus* (Croizat) L. D. Benson subsp. *fickeiseniae* (Backeberg ex Hochstätter) Lüthy.] [In German.] [NOTE: The basionym *Navajoa peeblesiana* Croizat var. *fickeisenii* Backeberg ex Hochstätter, and other names earlier than Lüthy's, are not valid names by the Code of Botanical Nomenclature. The type locality, unspecific, is on the north side of Grand Canyon.]

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- 2013 19.5943 Phylogeographic diversification of antelope squirrels (*Ammospermophilus* across North American deserts. *Linnean Society, Biological Journal*, 109: 949-967.

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- 2009 19.6258 *Kingdoms and domains : an illustrated guide to the phyla of life on earth*. Amsterdam and London: Academic Press, 4th ed., lxxii, 659 pp. [Under Superkingdom Prokarya, Kingdom Protocista, Subkingdom (Division) Amirochondria, Pr-13 Hemimastigota, see p. 164, illustration and note, *in passing*, of "*Spironema terricola* . . . found as yet only in soil from the Grand Canyon, USA." This refers to the species named by Foissner and Foissner (1993, [ITEM NO. 19.5211](#)).]

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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- 2003 19.2860 Bark beetle attacks on ponderosa pine following fire in northern Arizona. *Environmental Entomology*, 32(3): 510-522. [Study sites include Bridger Knoll Study Area on the Kaibab National Forest, North Kaibab Ranger District.]

**McIntire, Angie**

- 2005 19.4705 Arizona. *Western Bat Working Group Newsletter*, 1(1) (December): 10-11. [See p. 11, "Hualapai Reservation Bat House Project"; brief note pertaining to renovation of historic Valentine school house.]
- 2006 19.4706 Arizona. *Western Bat Working Group Newsletter*, 2(1) (April): 9-11. [See p. 10, "Hualapai Indian Boarding School"; brief note and photos pertaining to renovation of historic Valentine school house.]
- 2006 19.4707 Arizona. *Western Bat Working Group Newsletter*, 2(2) (November): 12-13. [See p. 13, "Bat Habitat Mitigation—Bat House Project"; brief note and photo pertaining to renovation of historic Valentine school house.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**McIntyre, Eathan**

- 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.]

**McIvor, Carole C., AND Thieme, Michele L.**

- 1999 19.1018 Flannelmouth suckers: Movement in the Glen Canyon reach and spawning in the Paria River. *In*: Webb, Robert H., Schmidt, John C., Marzolf, G. Richard, and Valdez, Richard A. (eds.), *The controlled flood in Grand Canyon*. Washington, D.C.: American Geophysical Union, pp. 289-295. (*American Geophysical Union, Geophysical Monograph 110.*)

**McKee, Barbara H.** *see also* Hastings, Barbara

- 1931 19.1019 A lively little beggar. *Grand Canyon Nature Notes*, 5(6) (April): 56-57. [Titmouse.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 90| |CITED» GCNHA Monograph 8: page 4-20|
- 1931 19.5396 [Mule deer eats from string of dried red peppers.] *In*: Miscellany [SECTION]. *Grand Canyon Nature Notes*, 6(2) (December): 22.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 87| |CITED» GCNHA Monograph 8: page 4-13|
- 1932 19.1020 The yucca—sword-like yet friendly. *Grand Canyon Nature Notes*, 6(3) (January): cover, 23-25.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: pages 90, 105| |CITED» GCNHA Monograph 8: page 4-20|
- 1932 19.1021 Scorpion vs. tarantula. *Grand Canyon Nature Notes*, 7(1): 8-9.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 90| |CITED» GCNHA Monograph 8: page 4-20|
- 1933 19.1022 Over abundant chipmunks. *Grand Canyon Nature Notes*, 8(4) (July): 169-171.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 90| |CITED» GCNHA Monograph 8: page 4-20|
- 1934 19.1023 Bucks grow bold. *Grand Canyon Nature Notes*, 8(11) (February): 244-245. [Mule deer.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 90| |CITED» GCNHA Monograph 8: page 4-20|
- 1934 19.1024 Raven vs. squirrel. *Grand Canyon Nature Notes*, 8(11) (February): 247.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 90| |CITED» GCNHA Monograph 8: page 4-20|

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 1934 19.1025 [Female Abert squirrel rebuilds nest.] *In*: Some Wild Life Observations [SECTION]. *Grand Canyon Nature Notes*, 9(4) (July): 304.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 90| |CITED» GCNHA Monograph 8: page 4-20|
- 1934 19.1026 Some habits of two ravens. *Grand Canyon Nature Notes*, 9(7) (October): 331-333. ["Darby" and "Joan".]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 90| |CITED» GCNHA Monograph 8: page 4-20|
- 1994 19.1027 The yucca: swordlike yet friendly. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 63-64. [Reprinted from *Grand Canyon Nature Notes*, January, 1932.]
- 1994 19.1028 Scorpion vs. tarantula. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 83-84. [Reprinted from *Grand Canyon Nature Notes*, April, 1932.]
- 1994 19.1029 Bucks grow bold. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 130-131. [Reprinted from *Grand Canyon Nature Notes*, February, 1934.]

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**McKee, Edwin D.**

- 1927 19.1030 Trailside nests. *Grand Canyon Nature Notes*, 2(1) (June 30): 3-4. [Bird nests.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 90| |CITED» GCNHA Monograph 8: page 4-20|
- 1927 19.1031 The Papilio tribe of butterflies. *Grand Canyon Nature Notes*, 2(2) (July 30): cover, 1-2.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 90| |CITED» GCNHA Monograph 8: page 4-20|
- 1927 19.1032 Birds of the Havasupai Canyon. *Grand Canyon Nature Notes*, 2(3) (August 31): 2.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 90| |CITED» GCNHA Monograph 8: page 4-20|
- 1928 19.1033 Bird life on the Tonto Platform. *Grand Canyon Nature Notes*, 3(1) (June 30): 2-3.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 90| |CITED» GCNHA Monograph 8: page 4-20|
- 1928 19.1034 The Polyphemus moth. *Grand Canyon Nature Notes*, 3(2) (July 31): cover, 4-5.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 90| |CITED» GCNHA Monograph 8: page 4-20|
- 1928 19.1035 New bird records for park. *Grand Canyon Nature Notes*, 3(3) (August 31): 2.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 90| |CITED» GCNHA Monograph 8: page 4-20|
- 1928 19.1036 The blue-bellied lizard. *Grand Canyon Nature Notes*, 3(3) (August 31): 3-4.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 90| |CITED» GCNHA Monograph 8: page 4-20|

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 1929 19.1037 Odds and ends. *Grand Canyon Nature Notes*, 3(9) (May 31): 6. [Flammulated screech owl, eastern kingbird, spotted skunks, tent caterpillars, water ouzel nests.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 90| |CITED» GCNHA Monograph 8: page 4-20|
- 1929 19.1038 Heralds of summer. *Grand Canyon Nature Notes*, 3(10) (June 30): 6-7. [Birds, flowers, butterflies, insects.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 90| |CITED» GCNHA Monograph 8: page 4-20|
- 1929 19.1039 The horned owl. *Grand Canyon Nature Notes*, 3(11) (July 31): 4.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 90| |CITED» GCNHA Monograph 8: page 4-20|
- 1929 19.1040 The next generation. *Grand Canyon Nature Notes*, 3(12) (August 31): 6. [The “wild lizard herd” maintained at Yavapai Observation Station, and egg-laying.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 90| |CITED» GCNHA Monograph 8: page 4-20|
- 1929 19.1041 Hither and yon. *Grand Canyon Nature Notes*, 4(2) (October 31): 13-14. [Includes brief notes of American bald eagle in Hance Canyon, tarantulas on South Rim, and horned toad cannibalism.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: pages 67 [error], 90| |CITED» GCNHA Monograph 8: page 4-20|
- 1929 19.1042 Feathered friends. *Grand Canyon Nature Notes*, 4(3) (November 30): cover, 15-16.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 90| |CITED» GCNHA Monograph 8: page 4-20|
- 1929 19.1043 Grand Canyon lichens. *Grand Canyon Nature Notes*, 4(4) (December 31): 27-29.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 90| |CITED» GCNHA Monograph 8: page 4-20|
- 1929 19.1044 *Preliminary check list of mammals : Grand Canyon.* U.S. National Park Service, Grand Canyon National Park, 13 pp.
- 1930 19.1045 *Preliminary check list of amphibians and reptiles : Grand Canyon.* U.S. National Park Service, Grand Canyon National Park, 4, 3 pp.
- 1930 19.1046 *Preliminary check list of birds : Grand Canyon.* U.S. National Park Service, Grand Canyon National Park, 15 pp.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 90| |CITED» GCNHA Monograph 8: page 4-20|
- 1930 19.1047 Briefs. *Grand Canyon Nature Notes*, 4(6) (April 30): 37. [Includes brief notes of birds, butterflies, and fishing in Bright Angel Creek.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: pages 67 [error], 91| |CITED» GCNHA Monograph 8: page 4-20|
- 1930 19.1048 The Grand Canyon rattlesnake. *Grand Canyon Nature Notes*, 4(6) (April 30): 40. [Author credited in Table of Contents only as “Park Naturalist”. Remarks that this is the first animal to bear a “Grand Canyon” common name.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-20|



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 1930 19.1049 The canyon towhee. *Grand Canyon Nature Notes*, 4(11) (September 30): 80. [New record for Grand Canyon; seen on South Rim.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-20|
- 1930 19.1050 Geological and wildlife observations between Bass Canyon and Hermit Canyon. *Grand Canyon Nature Notes*, 5(1) (November 30): contents page, 3-10.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: pages 67, 91| |CITED» GCNHA Monograph 8: pages 3-62, 4-20|
- 1930 19.1051 Small but mighty. *Grand Canyon Nature Notes*, 5(2) (December 31): contents page, 12. [Juncos, sparrows, jays, nuthatches.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-20|
- 1931 19.1052 Pocket mice! *Grand Canyon Nature Notes*, 5(6) (April): 57-58.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-20|
- 1931 19.1107 [Patch-nose snake.] *In*: Notelets [SECTION]. *Grand Canyon Nature Notes*, 5(6) (April): 61. [Second record for Grand Canyon, near Panorama Point, [South] Kaibab Trail.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|
- 1931 19.5385 [American coot.] *In*: Notelets [SECTION]. *Grand Canyon Nature Notes*, 5(6) (April): 61. [“Mud hen” found dead at Grand Canyon village; second canyon record after one at Desert View Point.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|
- 1931 19.5386 [Plumbeous vireo.] *In*: Notelets [SECTION]. *Grand Canyon Nature Notes*, 5(6) (April): 61. [First seen April 21 around Grand Canyon village.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|
- 1931 19.1108 [Aiken screech owl.] *In*: Field Observations [SECTION]. *Grand Canyon Nature Notes*, 5(7) (May): 69. [Specimen taken near Grand Canyon village; first record from Grand Canyon National Park.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|
- 1931 19.5387 [Chuckwallas.] *In*: Field Observations [SECTION]. *Grand Canyon Nature Notes*, 5(7) (May): 70. [Especially numerous this year in inner canyon.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|
- 1931 19.5388 [White-throated swifts.] *In*: Field Observations [SECTION]. *Grand Canyon Nature Notes*, 5(7) (May): 70. [Possible nests in crevices in the Coconino Sandstone along Bright Angel Trail.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 1931 19.5397 Some interesting bird records for May. *In*: Field Observations [SECTION]. *Grand Canyon Nature Notes*, 5(8) (June): 83. [See also Errata, 6(3) (January 1932): 28.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 92| |CITED» GCNHA Monograph 8: page 4-24|
- 1931 19.1053 Giant moths. *Grand Canyon Nature Notes*, 5(9) (July): 93-94. [See also errata, 6(1) (November): 14.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-20|
- 1931 19.1054 Grand Canyon—a barrier to reptiles? *Grand Canyon Nature Notes*, 5(10) (August): 107-109.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-20|
- 1931 19.1055 A quarrel among bird families. *Grand Canyon Nature Notes*, 5(11) (September): 117.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-20|
- 1931 19.1056 Additional notes on the Tanner Trail trip. *Grand Canyon Nature Notes*, 5(12) (October): 121-122. [Natural history observations.] [See also Vernon Bailey, p. 119 in this issue (ITEM NO. 19.201).] [See also follow-up identification in 6(1) (November): 15 (Anonymous, 1931, ITEM NO. 19.62).]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: pages 67, 91| |CITED» GCNHA Monograph 8: page 4-20|
- 1931 19.1057 [Great Thumb.] *In*: Miscellany [SECTION]. *Grand Canyon Nature Notes*, 6(1) (November): 13. [Junipers of Great Thumb Point. Also note of numerous juniper berries in coyote droppings here.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-20|
- 1931 19.5397 [Ashy ruby-crowned kinglets “extremely numerous” along Bright Angel Creek.] *In*: Miscellany [SECTION]. *Grand Canyon Nature Notes*, 6(2) (December): 22.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 87| |CITED» GCNHA Monograph 8: page 4-13|
- 1932 19.1059 [First record of Arizona spotted owl, *Strixoccidentalis lucida* Nelson, at Grand Canyon; found dead at Indian Garden.] *In*: Special Notes [SECTION]. *Grand Canyon Nature Notes*, 6(3) (January): 28.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 92| |CITED» GCNHA Monograph 8: pages 4-20, 4-23|
- 1932 19.1061 [Bird observations.] *In*: Field Observations [SECTION]. *Grand Canyon Nature Notes*, 6(4): 34. [Western evening grosbeaks on Bright Angel Trail. Solitary robin in late January in Grand Canyon village.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-20|
- 1932 19.5399 [Early bird arrivals on South Rim.] *In*: Field Observations [SECTION]. *Grand Canyon Nature Notes*, 6(5) (March): 47.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-20|

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 1932 19.5398 [Western belted kingfishers numerous along Bright Angel Creek all winter.] *In*: Field Observations [SECTION]. *Grand Canyon Nature Notes*, 6(5) (March): 47.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-20|
- 1932 19.1063 Some notes on bird feeding and photography. *Grand Canyon Nature Notes*, 7(1): 3-5.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|
- 1932 19.1064 Bird migration dates. *Grand Canyon Nature Notes*, 7(3): 28.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|
- 1932 19.1109 Field observations. *Grand Canyon Nature Notes*, 7(5) (August): 54. [Pygmy nuthatch nest by Hopi House, Audubon's hermit thrush heard on Yaki Point road.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|
- 1932 19.1065 A bitter struggle. *Grand Canyon Nature Notes*, 7(7) (October): 73-75. [Pallid brown bats.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|
- 1932 19.5057 Field observations. *Grand Canyon Nature Notes*, 7(7) (October):. [Gopher snake near Indian Garden. Tarantulas on South Rim.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 90| |CITED» GCNHA Monograph 8: page 4-20|
- 1932 19.1066 Recent bird notes. *Grand Canyon Nature Notes*, 7(9) (December): 91-92.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|
- 1932 19.1067 Scorpion vs. centipede. *In*: Biological Briefs [SECTION]. *Grand Canyon Nature Notes*, 7(9) (December): 94.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|
- 1932 19.1068 A little-known mammal. *In*: Biological Briefs [SECTION]. *Grand Canyon Nature Notes*, 7(9) (December): 95. [Grey shrew.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|
- 1932 19.1069 Snake stories. *In*: Biological Briefs [SECTION]. *Grand Canyon Nature Notes*, 7(9) (December): 96.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|
- 1933 19.1070 The hermit of Horn Creek. *Grand Canyon Nature Notes*, 7(11) (February): 116-118. [Mexican spotted owl.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 1933 19.1071 Bird banding in northern Arizona, Part II; Grand Canyon station. *Grand Canyon Nature Notes*, 7(12) (March): 121-123. [For Part I, Flagstaff station, see 7(11) (Lyndon L. Hargrave, 1933, ITEM NO. 19.5060).]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|
- 1933 19.5061 [Mountain weasel.] *In*: Miscellany [SECTION]. *Grand Canyon Nature Notes*, 7(12) (March):. [Seldom found on South Rim, a dead specimen found "in the barn of the Fred Harvey Company, January 30, 1933."]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|
- 1933 19.1110 [Fish.] *In*: Miscellany [SECTION]. *Grand Canyon Nature Notes*, 7(12): 127.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|
- 1933 19.1073 Junco visits both rims. *Grand Canyon Nature Notes*, 8(3) (June): 157.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|
- 1933 19.1074 Fawn observations. *Grand Canyon Nature Notes*, 8(5) (August): 181.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|
- 1933 19.1075 Miscellany. *Grand Canyon Nature Notes*, 8(7): 205. [Hawks, pigeons, woodpeckers.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|
- 1933 19.1076 Are there any bears here? *Grand Canyon Nature Notes*, 8(8) (November): 214-215.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|
- 1934 19.1078 Pinyon nuts as bird feed. *Grand Canyon Nature Notes*, 9(2) (May): 272-273.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|
- 1934 19.1111 [Western chipping sparrow, South Rim.] *In*: Field Observations [SECTION]. *Grand Canyon Nature Notes*, 9(2) (May): 280.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|
- 1934 19.5076 [Western goshawk seen carrying off chicken from Berry Ranch.] *In*: Field Observations [SECTION]. *Grand Canyon Nature Notes*, 9(2) (May):.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|
- 1934 19.5077 [Early record of white-throated swift, Grandview Point.] *In*: Field Observations [SECTION]. *Grand Canyon Nature Notes*, 9(2) (May):.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 1934 19.66 [First records of Great Basin rattlesnake, *Crotalus c. lutosus*, near Grand Canyon; from Toroweap Valley and Mount Trumbull.] *In*: Miscellaney [sic] [SECTION]. *Grand Canyon Nature Notes*, 9(3) (June):  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 86| |CITED» GCNHA Monograph 8: page 4-9|
- 1934 19.5079 [Western belted kingfisher seen at tank near Pasture Wash Ranger Station.] *In*: Miscellaney [sic] [SECTION]. *Grand Canyon Nature Notes*, 9(3) (June):  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 86| |CITED» GCNHA Monograph 8: page 4-9|
- 1934 19.1079 Status of the desert bighorn in Grand Canyon National Park. *Grand Canyon Nature Notes*, 9(4) (July): cover, 294-300. [Includes table, "Summary of Desert Bighorn Observations, Grand Canyon Nat'l Park, 1928-1934"; listing locality, individuals, date, and observer.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|
- 1934 19.1080 Botanical note. *Grand Canyon Nature Notes*, 9(5) (August): 315. [Root system of prickly pear cactus from Coconino Wash.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|
- 1934 19.1081 Flora of Grand Canyon National Monument. *Grand Canyon Nature Notes*, 9(7 [sic, 6]) (September): cover, 316-321. ("Material obtained on a reconnaissance trip for the purpose of making general observations, studies and collections of the biological and geological features of the region made during the period of April 8 to 14, 1934.")  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|
- 1934 19.1082 New mammal record for Grand Canyon. *Grand Canyon Nature Notes*, 9(9): 360.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|
- 1935 19.1083 Grand Canyon: eine Schranke des Lebens. (Emma Richter, ed., translator.) *Natur und Volk*, 65(1): 23-26. [In German.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-40|
- 1936 19.1084 Bird observations in Grand Canyon National Park from October 1, 1934, to October 1, 1935. *In*: Contributions to Grand Canyon ornithology. *Grand Canyon Natural History Association, Bulletin 4*, pp. 9-17.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21| FQ12:204 [volume] FQ20:165 [volume]
- 1938 19.1085 Grand Canyon and birds. *Western Tanager* (Los Angeles Audubon Society), 1(5): 17-20.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|
- 1939 19.1086 Four species new to Grand Canyon National Park. *The Condor*, 41: 156-157. [New bird records from South Rim and Inner Canyon.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 1941 19.1087 Distribution of the tassel-eared squirrels. *Plateau*, 14: 12-20.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|
- 1942 19.1088 Northern Arizona snakes. *Arizona Wildlife and Sportsman*, 4(7) (June 29).  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-21|
- 1942 19.1089 Results from a bird banding station at Grand Canyon. *Plateau*, 15: 10-13.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|
- 1948 19.1090 Environment controls life. *In*: Peattie, R. (ed.), *The inverted mountains : canyons of the West*. New York: Vanguard Press, Inc., pp. 323-376.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 91| |CITED» GCNHA Monograph 8: page 4-21|
- 1976 19.1091 Discovery of the Grand Canyon Rattlesnake. *In*: People on the River [FEATURE]. *Journal of Arizona History*, 17(1) (Spring): 47-49.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: pages 1-33, 4-21|
- 1978 19.1092 Natural history of the trailside. *In*: Babbitt, Bruce (compiler), *Grand Canyon: An anthology*. Flagstaff, Arizona: Northland Press, pp. 167-173. [From McKee (1948, ITEM NO. 19.1090).]  
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**Merrill, Art**

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

"Humpback Chub (*Gila cypha*)—Endangered", pp. 33-34, and "Kanab Ambersnail (*Oxyloma haydeni kanabensis*)—Endangered", p. 49.]

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**Metcalf, Anya N., AND Kennedy, Theodore A.**

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**Mietz, Stephanie Wyse**

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**Mikesic, David G., AND Chambers, Carol**

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**Mikesic, David G., AND Roth, Daniela**

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**Millanes, Ana M.; Diederich, Paul; Westberg, Martin; AND Wedi, Mats**

- 2016 19.5567 Three new species in the *Biatoropis usnearum* complex. *Herzogia* (Bryologisch-lichenologische Arbeitsgemeinschaft für Mitteleuropa), 29(2): 337-354. [See *Biatoropis minuta*, new species (pp. 345-347), type from Spain; non-type specimens examined include "Grand Canyon National Park, North Rim, 6 km from State Highway 67 on the road to Cape Royal, 36°15'N, 112°01'W, 3.VIII.1991, M. Boykin 2410 (ASU)" (p. 347).] [Lichen-inhabiting fungi.]

**Millar, Heather**

- 2004 19.2469 When aliens attack. How do you stop a troublesome species from taking root in remote corners of the Grand Canyon? One plant at a time. *Sierra*, 89(4) (July/August): cover, 3, 30-39, 63. [Tamarisk.] [Cover tease: "A Grand Canyon; Whitewater and Weed-Whacking".]

**Miller, Alden H.**

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**Miller, Arthur P., Jr., AND Miller, Marjorie L.**

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

Newberry, March, 1848 [*sic*], altitude 4,000 feet.”; the date should be March 1858, during the Ives expedition.]

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

subsp. *clutei* (A. Nels. Munz., stat. nov. [status novum, new status]), pp. 46-47, type from Navajo Mountain, other material examined includes "1 mile north of Point Royal, Kaibab Forest, Grand Canyon Natl. Park, *Munz 17030* (POM); north rim of Grand Canyon, *Eastwood & Howell 6991* (CAS,POM)."

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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- 2024 19.6983 *Bir günbatımının ayrıntıları : toplu hikâyer 1. The complete short stories of Vladimir Nabokov*. (Seniha Akar, Fatih Özgüven, Pınar Kür, and Dürrin Tunç, translators.) İstanbul: İletişim Yayınları, 351 pp. [Cited here only for the cover art: "Kelebek: Tiger Swallow Tail. Fotoğraf: Nabokov Stanford Üniversitesi'nden öğrencisi Dorothy Leuthold ile Grand Canyon'da, Haziran 1941" [Butterfly: Tiger Swallow Tail. Photo: Nabokov with Stanford University student Dorothy Leuthold in the Grand Canyon, June 1941" (after whom Nabokov named *Neonympha dorothea*).] [NOTE: None of the variously titled collections of Nabokov's stories that have been seen use either of these illustrations.] [In Turkish, with bilingual volume title.]



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**Nelson, G. H., AND Westcott, R. L.**

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**Nelson, Kathy**

- 2011 19.6481 *National Rabies Management Program : summary report 2011*. Concord, New Hampshire: U.S. Department of Agriculture, Animal and Plant Health Inspection Service, National Rabies Management Program, 11 pp. [See p. 5: Rabies cases in Coconino County, Arizona, included "2 gray foxes from a ranch within Grand Canyon National Park . . . were confirmed with a rabies variant associated with big brown bats". (Phantom Ranch.)]

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**Nemecek, Sasha**

- 1997 19.4388 Frankly, my dear, I don't want a dam; how dams affect biodiversity. *Scientific American*, (August): 20-21. [Includes mention of controlled flood in Grand Canyon from Glen Canyon Dam.]

**Nemeth, Lynne**

- 2012 19.5610 *Grand experiments: A review of five endangered species reintroductions in the US*. Master's thesis, Prescott College, 280 pp. [See "Chapter Five: A Prehistoric Relict; California Condor (*Gymnogyps californianus*)", pp. 111-124.]

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- 2009 19.4919 Taxonomic overview of *Eurybia* Sect. *Herrickia* (Asteraceae: Astereae). *Botanical Research Institute of Texas, Journal*, 3(1): 161-167.
- 2014 19.4325 Taxonomy of *Erythranthe* sect. *Erythranthe* (Phrymaceae). *Phytoneuron*, 31: 1-41. [Grand Canyon, pp. 19, 20, 39.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**Newman, Ethel L.**

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**Newton, Alice C.**

- 2011 19.4958 Trespass ungulates and other managed grazing issues in Colorado River parks [ABSTRACT]. *In*: *Rethinking Protected Areas in a Changing World : The George Wright Society Conference on Parks, Protected Areas and Cultural Sites, March 14-18, 2011, New Orleans, Louisiana : abstracts*. [No place]: George Wright Society, p. 120. [Includes Grand Canyon National Park and Grand Canyon-Parashant National Monument.]

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- 2015 19.5615 *Multiscale remote sensing analysis to monitor riparian and upland semiarid vegetation*. Doctoral dissertation, University of Arizona, 296 pp. [Includes an approach to map Colorado River riparian vegetation in the Grand Canyon area.]

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- 2019 19.6165 Mapping vegetation types in semi-arid riparian regions using random forest and object-based image approach: A case study of the Colorado River ecosystem, Grand Canyon, Arizona. *Ecological Informatics*, 50 (March): 43-50.

**Nibbelink, N. P.; Ben-David, M.; AND Blundell, G. M.**

- 2003 19.2420 Relative importance of intrinsic vs. extrinsic factors for river otter dispersal: assessment with a spatially-explicit individual-based model [ABSTRACT]. *North American Benthological Society, Annual Meeting, Athens, Georgia, 2003*.

**Nichol, A. A. [Nichol, Andrew A.]**

- 1936 19.2058 Large game mammals. *In*: Arizona and its heritage. *University of Arizona, Bulletin*, 7(3), *General Bulletin 3*, pp. 60-70.
- 1936 19.2059 Large predator animals. *In*: Arizona and its heritage. *University of Arizona, Bulletin*, 7(3), *General Bulletin 3*, pp. 70-74.
- 1937 19.1246 The natural vegetation of Arizona. *University of Arizona, Agricultural Experiment Station, Technical Bulletin 68*, pp. 181-222.  
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- 1938 19.3830 Experimental feeding of deer. *University of Arizona, College of Agriculture, Agricultural Experiment Station, Technical Bulletin 75*, 39 pp. [Includes Kaibab Plateau.]
- 1943 19.5673 The natural vegetation of Arizona. *University of Arizona, Agricultural Experiment Station, Technical Bulletin 68 (Reprint)*, pp. 181-222.

**Nicholopoulos, Joy E.**

- 2014 19.4573 Emergency exemption; issuance of emergency permit to capture a suspected gray wolf in the area of the North Rim of the Grand Canyon, Arizona. *Federal Register*, 79(215) (November 6): 65983-65984.

**Nichols, George E.**

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**Nigro, Giulio**

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**Nijhuis, Michelle**

1999 19.1248 Not such a cold fish. *High Country News*, (March 1): 4. [Humpback chub and warmer waters from Glen Canyon Dam.]

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**Niles, Wesley Everett**

1968 19.4330 *Taxonomic investigations in the genera Perityle and Laphamia (Family Compositae)*. Doctoral dissertation, University of Arizona, 168 pp. [See *Laphamia congesta* M. E. Jones, pp. 127-131, including distribution notes for Grand Canyon area.]

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1982 19.6355 The limits to growth. Comentario bibliográfico. *Revista Brasileira de Geografia* (Fundação Instituto Brasileiro de Geografia e Estatística, Rio de Janeiro), 44(2) (April/June): 369-383. [English portion of item title accompanied by footnote, "Resumo de informe, sob o título acima, preparado para o Clube de Roma e submetido à discussão desse Clube em 1971, em Montebello, Canadá, depois publicado sob forma de livro em muitos idiomas (no Brasil, pela Editora Perspectiva)."] [See pp.



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

380-383, "Anexo: *Síntese a partir, principalmente, do comentário de Bertran Murray Jr. . . . a propósito do informe The Limits to Growth do Clube de Roma. O comentário foi publicado no New York Times Magazine, dezembro de 1972, com o título de Continuos [sic] Growth or no Growth. What the ecologists can teach the economists.*" Reference is to Murray (1972, [ITEM NO. 19.6245](#)). See in this *Anexo*, p. 381, remarks on Kaibab deer.] **[In Portuguese.]** **[NOTE:** The original report, *The limits to growth : the Club of Rome's project on the predicament of mankind*, by Donella H. Meadows, Dennis L. Meadows, Jørgan Randers, and William W. Behrens, III (numerous printings, e.g., New American Library, New York, 1972, A Potomac Associates Book), is focused on human population growth and its projected demands on resources and effects; it does not itself include any note of the often-cited example of the Kaibab deer population explosion as the result of predator reduction.]

**Nitzschke, Stefan, AND Bechara, Carmen**

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**"Noah" [Johnston, Tracy]**

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**Noble, Bill; Fletcher, Noel; Green, Heather; Keckler; Chirre; AND Thompson, Cary**

NO DATE      19.6397      *Wildlife specialist report and biological evaluation : Four-Forest Restoration Initiative Coconino and Kaibab NF Environmental Impact Statement.* [No place]: [U.S. Forest Service], 624 pp. [Variant 1. For variant 2 see Fletcher *et al.* (no date, [ITEM NO. 19.6398](#)).]

**Nordberg, A. M.**

1952      19.6940      Die Bisons grasen wieder; Rückgang und Rettung des amerikanischen Urrindes. *Prisma* (Illustrierte Monatsschrift für Natur, Forschung und Technik) (Basel, Switzerland), 7(1) (May): 1-4. [See photo (p. 2), "Im Kaibab-Nationalpark im Staate Arizona (USA.) weiden stattliche Bisonherden auf den weiten Savannenflächen" *[sic]*, which depicts bison in House Rock Valley. No separate text mention.] **[In German.]**

**Nordhaugen, Siobhan E.; Erlandsen, Evelyn; Beier, Paul; Eilerts, Bruce D.; Schweinsburg, Ray; Brennan, Terry; Cordery, Ted; Dodd, Norris; Maiefski, Melissa; Przybyl, Janice; Thomas, Steve; Vacariu, Kim; AND Wells, Stuart (Arizona Wildlife Linkages Workgroup)**

2006      19.4179      *Arizona's wildlife linkages assessment.* [No place]: Arizona Wildlife Linkages Workgroup, 208 pp.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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- 2017 19.6350 21 oktober: Grand Canyon National Park, Arizona. *In: Life Taiga-projektets USA-resa, 18-29 oktober 2017 : reseberättelse.* [No place]: [Sverige] Länsstyrelserna, pp. 8-10. [Regarding work on controlled fires during a Life Taiga nature conservation project trip to the U.S.] [In Swedish.]
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**North American Bird Conservation Initiative, U.S. Committee**

- 2011 19.4672 *The state of the birds 2011 : report on public lands and waters, United States of America.* Washington, D.C.: U.S. Department of the Interior, 48 pp. [including wraps]. [See p. 37: "Conservation in Action. Restoring Endangered Condors and Murrelets."]
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**Noss, Reed F.; Franklin, Jerry F.; Baker, William L.; Schoennagel, Tania; AND Moyle, Peter B.**

- 2006 19.4486 Managing fire-prone forests in the western United States. *Frontiers in Ecology and the Environment*, 4(9): 481-487. [Includes Grand Canyon North Rim.]
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**Nowak, Erika**

- 1993 19.1250 Amphibian decline on the Colorado Plateau; CPSU seeks baseline data. *Colorado Plateau* (Colorado Plateau Research Station, Northern Arizona University), 3(3) (Summer): 1, 8.
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**Nutcakes, Nick** [pseudonym]

- 2013 19.4480 [Abert and Kaibab squirrels.] *Nuthatch News* (Dixon Park District, Dixon, Illinois), (November): 7.
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**Nuyttens, Kaleigh; Springer, Abe E.; AND Stevens, Lawrence E.**

- 2022 19.6741 Springs of Grand Canyon's South Rim: Ecological inventories, assessments, and updated hydrologic trends [ABSTRACT]. *Geological Society of America, Abstracts with Programs*, 54(2): abstract 4-8, <https://doi.org/10.1130/abs/2022CD-374179>.
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**Nyeggen, Hans; Skage, Jan-Ole; AND Østgård, Åge**

- 2008 19.6356 Juletrekvalitetar i eit utval av fjelltre frå Nord-Amerika og Aust-Asia. *Forskning fra Skog og Landskap* (Norsk Institutt for Skog og Landskap, Ås, Norway), 3/08, 20 pp. [Includes trees from Kaibab National Forest, but without indication of ranger district. Refer also to Skage *et al.* (2012, ITEM NO. 19.6357), which notes trees from "De Motte, Kaibab".] [In Norwegian.]
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION



**Oakey, David D.; Douglas, Michael E.; AND Douglas, Marlis R.**

- 2004 19.6703 Small fish in a large landscape: Diversification of *Rhinichthys osculus* (Cyprinidae) in western North America. *Copeia*, 2004(2): 207-221.

**Oberholser, Harry C.**

- 1899 19.3267 The flammulated screech owls *Megascops flammeolus* (Kaup) and *Megascops flammeolus idahoensis* Merriam. *Ornis* (Comité Ornithologique International, Bulletin) (Paris), 10: 23-38. [See pp. 29, 31, 34, notices of *M. flammeolus* from "Mouth of Little Colorado River (Grand Cañon of Colorado)" [*sic*, p. 31].]
- 1911 19.5651 A revision of the forms of the hairy woodpecker (*Dryobates villosus* [Linnaeus]). *U.S. National Museum, Proceedings*, 40(1840): 595-621. [Square brackets are part of title.] [See *Dryobates villosus leucothorectis*, new subspecies (pp. 608-609); type from Burley, New Mexico; non-type material examined include specimens from "Trumbull Spring, Trumbull Mountain" (Mount Trumbull), and "Supai Village, Cataract Creek" (Havasut Canyon).]
- 1919 19.3632 The geographic races of *Hedymeles melanocephalus* Swainson. *The Auk*, 36(3) (July): 408-416. [See p. 414, note of Grand Canyon gathering of *H. m. papago*, new subspecies, May 14, 1884, without further geographical precision.]
- 1937 19.1251 Descriptions of three new screech owls from the United States. *Washington Academy of Sciences, Journal* (Washington, D.C.), 27(8) (August 15): 354-357. [See *Otus asio mychophilus*, new subspecies (Grand Canyon Screech Owl), pp. 356-357; type (holotype), adult female, from Grand Canyon Village (Russell K. Grater, original no. 23; U.S. Biological Survey collection 340593).]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 92| |CITED» GCNHA Monograph 8: page 4-23|

**Oberlin, Gaye E.; Shannon, Joseph P.; AND Blinn, Dean W.**

- 1999 19.1252 Watershed influence on the macroinvertebrate fauna of ten major tributaries of the Colorado River through Grand Canyon, Arizona. *Southwestern Naturalist*, 44(1) (March): 17-30. [Paria River, Vasey's Paradise, Nankoweap Creek, Little Colorado River, Bright Angel Creek, Tapeats Creek, Kanab Creek, Havasut Creek, Spring Canyon, and Diamond Creek.]

**O'Brien, John; Potochnik, Andre; Kaplinski, Matt; AND Hamilton, Lynn**

- 2004 19.2472 Warmer water? *Boatman's Quarterly Review*, 17(2) (Summer): 32-33. [Letter from Grand Canyon River Guides to U.S. Bureau of Reclamation.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**O’Brien, Mary**

- 2007 19.2655 An abundances of riches. *Colorado Plateau Advocate*, (Winter): 22-23. [Species diversity in western ecosystems.]
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**Ochsner, D.**

- 1972 19.1253 Seventy-second Christmas bird count, Grand Canyon. *American Birds*, 26: 480.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 92| |CITED» GCNHA Monograph 8: page 4-23|
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**O’Connor, Brendan, AND La Forest, Brandon Thomas**

- 2011 19.4905 *Trimorphodon lambda* (Sonoran Lyresnake). *Herpetological Review*, 42(4): 574-575. [Photographic vouchers documented from: “Echo Cliffs, on Hwy. 89 ca. 2 km E of the junction of Hwys. 89 and 89A”, “Jackass Canyon”; “from near the confluence of the Paria and Colorado Rivers.” These are the first vouchers from Marble Canyon and vicinity, which extend the known range of the species.]
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**O’Connor, Jack**

- 1936 19.4702 The Kaibab revisited. *Sports Afield*, (January):. [Mule deer hunting.]
- 1936 19.2060 Hunting and fishing. *In*: Arizona and its heritage. *University of Arizona, Bulletin*, 7(3), *General Bulletin 3*, pp. 231-239.
- 1938 19.6544 Grand Canyon bucks. *Outdoor Life*, (September): 34-35, 83. [Mule deer hunting on the Kaibab Plateau.]
- 1939 19.3708 Saving the vanishing mountain sheep. *Popular Science Monthly*, 135(4) (October): 136-139, 224. [See p. 224: “There are, [Andrew A.] Nichol is convinced, no more than 700 bighorns in Arizona, exclusive of the Boulder Dam recreational area and the Grand Canyon National Park, where there may be 700 more. Twenty years ago they probably totaled 4,000.”]
- 2012 19.4704 The Kaibab revisited. In this story, originally published in the January 1936 issue of *Sports Afield*, Jack O’Connor heads to Arizona’s famed Kaibab Plateau to find out if it lives up to its reputation as a mule-deer mecca. *Sports Afield*, 235(3) (May/June): 90-97. [Reprint of O’Connor (1936, [ITEM NO. 19.4702](#)).]
- 2012 19.4703 Дежавю—Плато Кайбаб. В этом рассказе, опубликованном впервые в январском номере журнала *Sports Afield* за 1936 г., Джек О’Коннор направляется на знаменитые Плато Кайбаб в Аризоне, чтобы выяснить, оправдывает ли оно ещё свою репутацию земли обетованной для охотников на чернохвостых оленей [Dezhavyu—Plato Kaybab. V etom rasskaze, opublikovannom v pervyye v yanvarskom nomere zhurnala *Sports Afield* za 1936 g., Dzhhek O’Konnor napravlyayetsya na znamenitoye Plato Kaybab v Arizone, chtoby vyyasnit’, opravdyvayet li ono yeshcho svoyo reputatsiyu zemli obetovannoy dlya okhotnikov na chernokhvostykh oleney]. [Déjà vu—Kaibab Plateau. In this story, published for the first time in the January issue of *Sports Afield* magazine in 1936, Jack O’Connor heads to the famous Kaibab Plateau in Arizona to find out whether he still justifies his reputation for the land

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

promised for the hunters on the black-tailed deer.] *SportsAfield.ru*, 2012(3): 76-81.  
[Translation of O'Connor (1936, ITEM NO. 19.4702). [In Russian.]

**O'Donnell, Frances C.; Flatley, William T.; Springer, Abraham E.; AND Fulé, Peter Z.**

- 2015 19.4870 Linking forest landscape management and climate change to the conversation [sic] of riparian habitat in the Grand Canyon: Part II. Hydrologic modeling [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 65. [For Part I see Flatley et al. (2015, ITEM NO. 19.4853).] [Linking forest landscape management and climate change to the conservation of riparian habitat in the Grand Canyon.]
- 2017 19.5900 Linking forest landscape management and climate change to the conservation of riparian habitat in the Grand Canyon. *In: Ralston, Barbara E., and Sarr, Daniel A. (eds.), Case studies of riparian and watershed restoration in the southwestern United States—principles, challenges, and successes. U.S. Geological Survey, Open-File Report 2017-1091*, pp. 84-88.

**O'Farrell, Michael J.**

- 1995 19.2839 *Distribution of the House Rock Valley chisel-toothed kangaroo rat* (*Dipodomys microps leucotis Goldman*). [No place]: O'Farrell Biological Consulting, for U.S. Bureau of Land Management, Vermilion Resource Area, and Arizona Game and Fish Department, 22 pp.
- 2015 19.4800 The night shift; your call may be recorded. *Colorado Plateau Advocate*, (Fall/Winter): 30-31. [Recording echolocation calls of bats on the Paria Plateau in Vermilion Cliffs National Monument.]

**O'Gara, Bart W.**

- 1978 19.6419 *Antilocapra americana*. *Mammalian Species*, (90), 7 pp.

**Ogburn, Stephanie Paige**

- 2006 19.2642 Bred for success; the nonprofit Peregrine Fund has mastered the captive breeding of birds of prey. But has its single-minded focus blinded it to the importance of habitat? *High Country News*, 12-13, 19-. [Includes mention of California condors.]

**Ogilvie, Alan G.**

- 1913 19.1254 Impressions of the vegetation in the United States of America. *In: The American Transcontinental Excursion of 1912. Geographical Journal*, 42(4) (October): 344-357, 359-360, map.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**O'Hara, James E.**

- 2023 19.6978 In the footsteps of C. H. Merriam and C. H. T. Townsend on the San Francisco Peaks of Arizona, USA. *The Tachnid Times* (Canadian National Collection of Insects, Agriculture and Agri-Food Canada, Ottawa, Ontario), (36) (February): cover, inside cover, 4-17. [Includes brief notices of trip to Grand Canyon.]

**Ohmart, Robert D.**

- 1982 19.1255 *Past and present biotic communities of the lower Colorado River mainstem and selected tributaries. Volume II. Lees Ferry to Lake Mead.* Boulder City, Nevada: U.S. Bureau of Reclamation, 75 pp. + maps. (In fulfillment of Bureau of Reclamation contract no. 7-07-30-V0009, Modification No. 2, 1979.)  
 ≡ [CROSS-LISTINGS](#) | [CITED»](#) [GCNHA Monograph 8: page 4-23](#) | [FQ17:325](#)
- 1982 19.1712 *Past and present biotic communities of the lower Colorado River mainstem and selected tributaries. Volume III. The Little Colorado River, Paria River, Kanab Creek, Virgin River.* Boulder City, Nevada: U.S. Bureau of Reclamation, 244 pp. (In fulfillment of Bureau of Reclamation contract no. 7-07-30-V0009, Modification No. 2, 1979.)

**O'Kane, Steve L., Jr.**

- 2007 19.2857 *Physaria scrotiformis* (Brassicaceae), a new high-elevation species from southwestern Colorado and new combinations in *Physaria*. *Novon*, 17: 376-382.

**Oláh-Hemmings, Viktória; Jaeger, Jef R.; Sredl, Michael J.; Schlaepfer, Martin A.; Jennings, Randy D.; Drost, Charles A.; Bradford, David F.; AND Riddle, Brett R.**

- 2010 19.3295 Phylogeography of declining relict and lowland leopard frogs in the desert Southwest of North America. *Journal of Zoology*, 280(4): 343-354.

**Olberding, Susan Deaver**

- 1998 19.1256 Prospecting for turpentine in northern Arizona. *The Ol' Pioneer* (Grand Canyon Pioneers Society), 9(3) (September/December): 12-13. [Fort Valley Forest Experiment Station.]
- 2018 19.6109 *Stewards of the forest and range : a history of the U.S. Forest Service in Arizona.* Flagstaff, Arizona: Fort Valley Publishing, 158 pp.

**Olberding, Susan Deaver; Mitchell, John E.; AND Moore, Margaret M.**

- 2005 19.2869 "Doing the best we could with what we had": USFS range research in the Southwest. *Rangelands*, 27(3) (June): 29-36. [U.S. Forest Service.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Olden, Julian D.; Kennard, Mark J.; Leprieur, Fabien; Tedesco, Pablo A.; Winemiller, Kirk O.; AND García Berthou, Emili**

2010 19.4900 Conservation biogeography of freshwater fishes: recent progress and future challenges. *Diversity and Distributions*, 16: 496-513. [Colorado River below Glen Canyon Dam, see p. 503.]

**Olden, Julian D.; Konrad, Christopher P.; Melis, Theodore S.; Kennard, Mark J.; Freeman, Mary C.; Mims, Meryl C.; Bray, Erin N.; Gido, Keith B.; Hemphill, Nina P.; Lytle, David A.; McMullen, Laura E.; Pyron, Mark; Robinson, Christopher T.; Schmidt, John C.; AND Williams, John G.**

2014 19.5605 Are large-scale flow experiments informing the science and management of freshwater ecosystems? *Frontiers in Ecology and the Environment*, 12(3): 176-185.

**Olden, Julian D.; Poff, N. LeRoy; AND Bestgen, Kevin R.**

2006 19.3273 Life-history strategies predict fish invasions and extirpations in the Colorado River basin. *Ecological Monographs*, 76(1): 25-40 + Appendices A1-A4 available from Ecological Archives online (<http://esapubs.org/archive//mono/M076/002/appendix-A.htm> through .../appendix-D.htm, 1, 6, 1, 3 pp.).

**Oldřich, Fencel**

2014 19.4629 Az amerikai délnyugat nemzeti parkjai. *Debreceni Pozsgástár* (Receptaculum Succulentarum Debrecemiense, Hungaria) (Magyar Kaktusz és Pozsgás Társaság Közhasznú Egyesület), 17(4) (December): cover, 3, 4-19. [Fourth and last installment of a series. This installment includes Grand Canyon and House Rock Valley.] [Hungarian Cacti and Succulents Society, Debrecen, Hungary.] [In Hungarian.]

**Olin, George**

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 ≡ CROSS-LISTINGS FQ8:295 FQ9:423 FQ11:307

**Oliver, George V.**

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**Oliver, George V., AND Bosworth, William R., III**

1999 19.3733 Rare, imperiled, and recently extinct or extirpated mollusks of Utah: A literature review. *Utah Division of Wildlife Resources, Publication 99-29*, 231 [232] pp. (For Utah Reclamation Mitigation and Conservation Commission, and U.S. Department of the Interior, Cooperative Agreement No. 7FC-UT-00270. With title head: "State of Utah, Department of Natural Resources, Division of Wildlife Resources, Utah Natural Heritage Program".) [Includes species with references to nearby Arizona localities; see: *Pupoides hordaceus* (Gabb, 1866) ribbed dagger, pp. 149-151; *Vertigo gouldii*

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

(A. Binney), 1843 variable vertigo, pp. 161-164; and particularly, *Oxyloma kanabense* Pilsbry, 1948, Kanab ambersnail, pp. 199-202 (*Oxyloma haydeni kanabensis*.)

**Olmon, Kirstin Elena**

- 2013 19.5300 *Vascular plant flora of the Upper Basin and Coconino Rim, Kaibab National Forest, Tusayan Ranger District, Coconino County, Arizona*. Master's thesis, Northern Arizona University, 217 pp.
- 2014 19.5463 McDougall Herbarium (MNA) Museum of Northern Arizona, Flagstaff. *The Plant Press* (Arizona Native Plant Society), 37(1) (Summer): 17.

**Olsen, T. G.; Sharp, M. M.; Dancis, D.; Benson, A.; AND Perry, L.**

- 1982 19.1258 Terrestrial vertebrate use of woody riparian vegetation in Colorado Rim [sic, River] habitats. *In: Colorado River Investigations I : July/August 1982*. Flagstaff, Arizona: Northern Arizona University, and Museum of Northern Arizona, pp. 80-84.

**Olson, Chad; Osborne, Sophie; AND Leslie, Elaine F.**

- 2004 19.2524 Foraging patterns of reintroduced California condors in the Grand Canyon ecoregion [ABSTRACT]. *In: Delach, Aimee (compiler), Program and agenda for Defenders of Wildlife's Carnivores 2004, Expanding Partnerships in Carnivore Conservation, November 14-17, 2004, Santa Fe, New Mexico*. [No place]: Defenders of Wildlife, p. 154.

**Oltrogge, Maureen**

- 2007 19.2674 Quagga muscles [sic] and Grand Canyon. *Canyon Views* (Grand Canyon Association), 13(2) (Summer): 1-2. [Quagga mussels.]

**Olyphant, Donald G., AND Olyphant, Geraldine L.**

- 2024 19.6888 [Condors.] *In: Letters [SECTION]*. *Arizona Highways*, 100(6) (June): 4. [Recollection of having seen condors feeding young below one of the West Rim Drive overlooks.]

**Omana, Emily; Healy, Brian; AND Mathis, Allyson**

- 2012 19.3579 Restoring humpback chub in Grand Canyon National Park. *Grand Canyon River Runner*, (13) (Winter): 8-10.

**Omana Smith, Emily**

- 2011 19.3373 Invasive mud snails in Havasu Creek. *Boatman's Quarterly Review*, 24(2) (Summer): 6-7. [New Zealand mud snails.]



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Omana Smith, Emily; Healy, Brian; AND Mathis, Allyson**

- 2012 19.3649 2012 humpback chub translocation update. *Boatman's Quarterly Review*, 25(2) (Summer): 26-27. [Photos by Amy Martin.]

**Omana Smith, Emily; Healy, Brian; Nelson, Clay; Albrecht, Brandon; Kegerries, Ron; Brandenburg, Howard; Barkstedt, Judith; McKinstry, Mark; AND Stolberg, Jim**

- 2014 19.4524 Grand Canyon boaters now float over newly discovered endangered razorback suckers spawning in the river. *Boatman's Quarterly Review*, 27(3) (Fall): 6-8.

**Omana Smith, Emily; Mathis, Allyson; AND Healy, Brian**

- 2011 19.3415 More flying fish: Humpback chub translocations to Havasu and Shinumo Creeks. *Boatman's Quarterly Review*, 24(3) (Fall): 16-18.

**O'Meara, Scott; Larsen, Deena; AND Owens, Chetta**

- 2009 19.5703 Methods to control saltcedar and Russian olive. *In*: Shafroth, Patrick B., Brown, Curtis A., and Merritt, David M. (eds.), Saltcedar and Russian Olive Control Demonstration Act science assessment. *U.S. Geological Survey, Scientific Investigations Report 2009-5247*, pp. 65-102.

**Ontl, Todd, AND Salywon, Andrew**

- 2008 19.3839 Endemic plants of Arizona: A working list. *The Plant Press* (Arizona Native Plant Society), 32(2) (November): 10-11. [Overview.]

**Opperman, Tonja**

- 1998 19.1259 The Lightbulb Fire—a new idea. *Nature Notes* (Grand Canyon National Park), 14(1) (Summer): 1-3.

**Orcutt, C. R. [Orcutt, Charles Russell]**

- 1891 19.1260 Contributions to West American Mollusca.—I. *West American Scientist*, 7: 222-225. [Extracts from Stearns (1890, ITEM NO. 19.1541).]

**Ornduff, Robert, AND Denton, Melinda**

- 1998 19.1261 Oxalidaceae; oxalis family. *In*: A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 30(2): 115-119.

**Ortlieb, Claus Peter**

- 1987 19.5023 Simulation dynamischer Vorgänge zur "System Dynamics"—Methode und ihren Problemen. *Hamburger Beiträge zur Angewandten Mathematik* (Reihe C, Mathematische Modelle und Simulation 1), (March), 39 pp. [See "Das Kaibab-Plateau-Modell. Problemstellung." (pp. 4-5).] [Kaibab Plateau.] [In German.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**Osborn, Alan J.**

- 1993 19.3561 Snowblind in the desert Southwest: Moisture islands, ungulate ecology, and alternative prehistoric overwintering strategies. *Journal of Anthropological Research*, 49(2) (Summer): 135-164. [Notes on "prehistory" pertain to archaeological interpretations.]

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**Osborn, Sophie A. H.**

- 2002 19.2845 California condors: At home in Arizona. *Wild Earth*, 12(1): 60-64.
- 2007 19.2653 Goodbye to 119. *Nature Notes* (Grand Canyon National Park), 22(1) (Spring): 1-2. [California condor no. 119.]
- 2007 19.2658 *Condors in canyon country : the return of the California condor to the Grand Canyon region*. Grand Canyon: Grand Canyon Association, 150 pp.  
 ≡ REVIEWS AND NOTICES Anonymous, 2007, ITEM NO. 30.499; Clark, 2009, ITEM NO. 30.599; KellerLynn, 2009, ITEM NO. 30.1255; *Northern Arizona's Mountain Living Magazine*, Staff, 2010, ITEM NO. 30.627
- 2007 19.2686 Wildlife and water in the wild. *Sojourns* (Peaks, Plateaus and Canyons Association), 2(2) (Summer/Fall): 14-21.

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**Osgood, Wilfred H.**

- 1932 19.2409 American deer. *In*: Gray, Prentiss N. (ed.), *Records of North American big game : published under the auspices of the National Collection of Heads and Horns*, New York Zoological Society : a book of the Boone and Crockett Club. New York: Derrydale Press, pp. 17-35. [See pp. 18[?], 31.]

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**Osife, Maiya Laree**

- 2013 19.6536 Pakoon Springs: The rehabilitation continues. *Southern Paiute-Parashant Bulletin* (U.S. Bureau of Land Management and U.S. National Park Service, Grand Canyon-Parashant National Monument), 1 (July): 6-7. [NOTE: As noticed on p. 1, Osife is the author of the entirety of this inaugural issue.]
- 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.]

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**Osterhoudt, Robin, AND Bunch, Aaron**

- 2012 19.4061 From minority to majority: increased abundance of flannelmouth sucker (*Catostomus latipinnis*) in Colorado River, Grand Canyon. *In*: *Wildlife Society, Arizona-New Mexico Chapters Joint Annual Meeting, Fisheries Abstracts*, [unpaginated].

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**Otis, David**

- 2005 19.2565 Evaluation of the statistical properties of Grand Canyon humpback chub population parameter estimates from ASMR and alternative mark-recapture models [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2005. Abstracts. October 25-27, 2005, Fiesta Inn Resort, 2100 South Priest Drive, Tempe, AZ.* [Flagstaff, Arizona]: [U.S. Geological Survey, Grand Canyon Monitoring and Research Center], p. 66. [Age Structured Mark Recapture.]

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**Otis, Edward Osgood, IV [Ostis, Ted]**

- 1994 19.1262 *Distribution, abundance, and composition of fishes in Bright Angel and Kanab Creeks, Grand Canyon National Park, Arizona.* Master's thesis, University of Arizona, 195 pp.

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**O'Toole, Kerry Louise**

- 1998 19.3933 *Science, politics, and wildlife management: The Kaibab deer and Yellowstone elk in comparative perspective.* Master's thesis, University of Wisconsin at Madison, 146 pp.

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**Ottley, Alice M.**

- 1944 19.2117 The American Loti with species consideration of a proposed new section, *Simpeteria*. *Brittonia*, 5(2) (September 8): 81-123. [See: ***Lotus utahensis* Ottley, new species** (pp. 108-109), type from "west of Carmel, Utah"; specimens examined include "MOHAVE: Mocaic Pass, *Edw. Palmer 93* (NY in 1877. This is not conspecific with *Palmer 94*, US 23791, which is Rydberg's type of *Lotus longibracteatus*). COCONINO: s. of Jacob's Lake, Kaibab Forest, *Ferguson & Ottley 5568* (Wel); 34 mi. n. of Canyon Lodge [*i.e.*, Grand Canyon Lodge], yellow pine and fir association, 8950 ft. alt., *Ferguson & Ottley 5578* (Wel) ; rocky hillside, yellow pine association, north rim of Grand Canyon, *Ferguson & Ottley 5571* (Wel, a possible contamination with *L. Wrightii*). YUMA: (?) Buckskin Mountains, 9000 ft. alt., *M. E. Jones 6052g*, Sept. 17, 1894 (US, Cla with no number)." (Ottley adds the following footnote regarding the "Yuma County" record: "I have been unable to determine from a perusal of Jones' account of his collection of 1894 given in the *Contributions to Western Botany*, No. 7, 1895, whether or not the Buckskin Mountains where he collected on Sept. 15, 17, 18, 20, and 21 are in Yuma County, Arizona. The only mountains of that name that we find on the maps are in that county, but they are considerably farther south than any of the other localities for *L. utahensis*. We doubt if the Yuma County mountains are the ones to which Jones refers, especially since he was collecting near Carmel, Utah, on Sept. 13 and on Sept. 16 and 23 at or near Springdale, Utah." [Accordingly, this record, particularly given its 9000-ft altitude, must refer to the Kaibab Plateau.]) See also ***Lotus wrightii* (Gray) Greene** (pp. 113-115), which includes the following material examined: "COCONINO . . . Colorado Plateau, Grand Canyon, *L. Ward*, June 9, 1901 (US); in open forest of *Pinus ponderosa*, *Artemisia tridentata*, and *Bouteloua gracilis*, 9 mi. s. of Grand Canyon, *H. M. Hall*, Sept. 27, 1920 (Berk); 5 mi. e. of El Tovar Hotel, Grand Canyon, 7200 ft. alt., *Ferguson & Ottley 4997* (Wel); 1 mi. w. of Grand View Point, 7400 ft. alt., *Ferguson & Ottley 4998* (Wel); rim of Grand Canyon, *A. Hitchcock*, July 1, 1915 (US); Grand Canyon, *V. Rattan*, July, 1912 (Cla, Wel); in pine forest, *ibid.*, 7000 ft. alt., *E. C. Jaeger*, Aug., 1923 (Cla); Kaibab Forest, *E. C. Jaeger* (Cla 160123); roadside bank, north rim, Grand Canyon, 8400 ft. alt., *Ferguson*

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

& *Ottley 5570*, prostrate to erect (Wel); Kaibab National Forest, Grand Canyon, 2100-2500 m. alt., *Eggleston 10219* (US); common, pine forest, vicinity of Jacob's Lake, 7509 ft. alt., *Maguire & Maguire 12262* (Ut); yellow pine association, Jacob's Lake, 7500 ft. alt., *Cottam 2637* (By); 3 mi. n. of Jacob's Lake, 8100 ft. alt., *Ferguson & Ottley 5581*, not quite typical, may have a trace of *L. utahensis* (Wel). MOHAVE: dry hills, oak association, Mt. Dellenbaugh [Shivwits Plateau], 7000 ft. alt., *Cottam 4155* (By); dry hills, oak association, w. of Mt. Dellenbaugh, 5800 ft. alt., *Cottam 4169* (By)". See also *L. rigidus* × *wrightii* (pp. 115-116) with the following specimens examined: "MOHAVE: 6 mi. n. of Wolf Hole, 4900 ft. alt., *S. B. Benson 51* (Berk); Peach Springs, *M. E. Jones*, May 26, 1884 (Cla 28289); *M. E. Jones*, [see Ottley footnote] May 26, 1884 (Cla 28292, 28283); Truxton Canyon, *Peebles & Kearney 11298* (US); Hackberry, *M. E. Jones*, May 26, 1884 (Ja). (The footnote just mentioned reads: "It would appear probable from the date that the specimens were collected either in the vicinity of Peach Springs or of Hackberry.") See also *L. utahensis* × *wrightii* (p. 116) with the following specimens examined: "COCONINO: eight mi. n.w. of Jacob's Lake, Kaibab Forest, *F. W. Peirson 7366* (Cla); under yellow pines, 8 mi. n.w. of Jacob's Lake, 7825 ft. alt., *Ferguson & Ottley 5582* (Wel); Jacob's Lake, 8200 ft. alt., *Ferguson & Ottley 5580* (Wel); Kaibab Forest, e. of Jacob's Lake, 7800 ft. alt., *Ferguson & Ottley 5566* (Wel); Kaibab Forest, *E. C. Jaeger*, July 7, 1927 (Cla 159618); Grand Canyon, *M. V. Walcott* in 1935 (US)." See also *Lotus mearnsii Britton ex Greene* (p. 120) with specimens examined including "COCONINO: Grand Canyon, Toumey, July 10, 1892 (Tu)."]

**Otts, Stephanie Showalter; Janasie, Catherine; AND Cotter, Paula**

2016 19.5182 Working together to combat invasive species threats: Strategies for facilitating cooperation between the National Park Service and states. *Natural Resources Journal*, 56 (Winter): 117-143. [Includes Grand Canyon National Park.]

**Overskaug, Kristian; Sørensen, Ole Jakob; AND Bjelkåsen, Toralf**

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-23|

**Patton, David R.; Wadleigh, Richard L.; AND Hudak, Howard G.**

- 1985 19.1289 The effects of timber harvesting on the Kaibab squirrel. *Journal of Wildlife Management*, 49 (January): 14-19.

**Patton, James L.; Huckaby, David G.; AND Álvarez Castañeda, Sergio Ticul**

- 2007 19.4161 *The evolutionary history and a systematic revision of woodrats of the Neotoma lepida group*. Berkeley, Los Angeles, and London: University of California Press, 411, [40] pp. (University of California Publications in Zoology, Volume 135.)

**Paukert, Craig P.**

- 2003 19.5033 Researchers study few remaining native fish in Grand Canyon. *NMT Network News* (Northwest Marine Technology, Inc., Shaw Island, Washington), (Winter 2003/Spring 2004): [2]-[3].
- 2004 19.2508 Comparison of electrofishing and trammel netting variability for sampling native fishes. *Journal of Fish Biology*, 65(6): 1643-1652.
- 2010 19.4546 (PROJECT SUPERVISOR) Evaluation of humpback chub translations in Grand Canyon tributaries. *In*: *Missouri Cooperative Fish and Wildlife Research Unit Report, January 2008-November 2010*. Columbia, Missouri: University of Missouri, Missouri Cooperative Fish and Wildlife Research Unit, p. 26.
- 2012 19.6133 (PROJECT SUPERVISOR) Evaluation of humpback chub translations in Grand Canyon tributaries. *In*: *Missouri Cooperative Fish and Wildlife Research Unit Report, November 2010-July 2012*. Columbia, Missouri: University of Missouri, Missouri Cooperative Fish and Wildlife Research Unit, p. 36.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 2012 19.6134 (PROJECT SUPERVISOR) Food web dynamics in Bright Angel Creek, Grand Canyon: Implications for native fish conservation. *In: Missouri Cooperative Fish and Wildlife Research Unit Report, November 2010-July 2012.* Columbia, Missouri: University of Missouri, Missouri Cooperative Fish and Wildlife Research Unit, p. 37.

**Paukert, Craig P., AND Petersen, James H.**

- 2007 19.2841 Comparative growth and consumption potential of rainbow trout and humpback chub in the Colorado River, Grand Canyon, Arizona, under different temperature scenarios. *Southwestern Naturalist*, 52(2): 234-242.

**Paukert, Craig P., AND Rogers, R. S.**

- 2004 19.2502 Factors affecting condition of flannelmouth suckers in the Colorado River, Grand Canyon, Arizona. *North American Journal of Fisheries Management*, 24(2): 648-653.

**Paukert, Craig P.; Coggins, Lewis G., Jr.; AND Flaccus, Christopher E.**

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**Paxton, Eben Hays**

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**Paxton, Eben H.; Theimer, Tad C.; AND Sogge, Mark K.**

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**Payne, Kevin; White, Jeremy; AND Ward, R. V.**

- 2010 19.3915 *Potential impacts of uranium mining on the wildlife resource of Grand Canyon National Park.* [No place]: U.S. National Park Service, Natural Resource Program Center, Natural Sounds Program, [62] pp.

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- 2000 19.5736 Fire in western shrubland, woodland, and grassland ecosystems. *In: Brown, James K., and Smith, Jane Kapler (eds.), Wildland fire in ecosystems. U.S. Forest Service, Rocky Mountain Research Station, General Technical Report RMRS-GRT-42-Volume 2,* pp. 121-159.

**Payson, Edwin Blake**

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

specimens examined include: "Moran Point, Grand Canyon, June 9, 1901 , *Ward* (U. S. Nat. Herb.); Grand Canyon, May 24, 1903, *Grant 938* (Rky. Mt. Herb.); Grand Canyon, June 29, 1913, *Hitchcock 24* (U. S. Nat. Herb.); rim of Grand Canyon, July 1, 1915, *Hitchcock* (U. S. Nat. Herb.); Grand Canyon, June, 1915, *Macbride & Payson 952* (Rky. Mt. Herb. )". See also ***L. arizonica* Wats.** (pp. 207-208), specimens examined include: Mokiak Pass, 1877, *Palmer 43* (Mo. Bot. Gard. Herb.); . . . Hackberry, May 26, 1884, *Jones 4371* (U. S. Nat. Herb.). See also ***L. arizonica* Wats. var. nudicalis Payson var. nov.** (p. 208, fig. 25); specimen examined: "Buckskin Mountains, June 19, 1890, *Jones* (U. S. Nat. Herb. TYPE)."]

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**Pearson, Byron E.**

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**Pearson, G. A.**

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**Pearson, G. A., AND Marsh, R. E.**

1935 19.1292 Timber growing and logging practice in the Southwest and in the Black Hills region. *U.S. Department of Agriculture, Technical Bulletin 480*, 80 pp.

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**Pearson, T. Gilbert**

1925 19.4951 Conservative conservation; President [of] Audubon Association delivers forceful address before twentieth annual gathering of association in New York. *Game and Fish Conservationist* (Virginia Department of Game and Inland Fisheries), 4(4) (January/February [*also as* February 1]): 88-89. [See p. 88, remarks on the speaker's investigation of the Kaibab Plateau deer herd.]



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**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.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-41|
- 1980 19.1295 Climatic change and the evolution of cave invertebrates in the Grand Canyon, Arizona. *NSS Bulletin* (National Speleological Society), 42(3): cover, contents page, 53-60.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-41|

**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. [PARA-1001 cave, Parashant National Monument (*i.e.*, Grand Canyon-Parashant National Monument).]

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**Pedicino, Lisa C.; Leavitt, Steven W.; Betancourt, Julio L.; AND Van de Water, Peter K.**

- 2002 19.2277 Historical variations in  $\delta^{13}\text{C}_{\text{leaf}}$  of herbarium specimens in the southwestern U.S. *Western North American Naturalist*, 62(3): 348-359. [Fig. 2 (p. 350), "Map of Arizona and New Mexico showing collection sites for herbarium specimens by species", displays numerous items from the entire Grand Canyon region. No separate text identifies localities.]

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**Peet, Robert K.**

- 1988 19.1296 Forests of the Rocky Mountains. *In*: Barbour, Michael G., and Billings, William Dwight (eds.), *North American terrestrial vegetation*. Cambridge, England: Cambridge University Press, pp. 63-101.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-41|

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**Pelletier, John Jay**

- 2024 19.6817 [Letter.] *Arizona Highways*, 100(1) (January): 4. [Regarding an encounter with a ringtail at the bottom of Hermit Trail, which confiscated a "ramen noodle soup packet (beef flavored)" from a briefly unattended backpack. (The letter was written in response to an item about ringtails in the November 2023 issue.)]

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**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

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

cricket from Grand Canyon-Parashant National Monument. Also note grayed-out full-page background image of cricket, without legend, p. 2.]

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**Pellmyr, Olle; Balcázar Lara, Manuel; Althoff, David M.; Segraves, Kari A.; AND Leebens-Mack, James**

- 2005 19.3963 Phylogeny and life history evolution of *Prodoxus* yucca moths (Lepidoptera: Prodoxidae). *Systematic Entomology*, doi:10.1111/j.1365-3113.2005.00301.x, 20 pp. [Includes *Prodoxus gypsicolor* Pellmyr, new species, pp. 5-8, Fig. 1R (type from California), with note (p. 7), "Specimens reared by OP from *A[gave]. utahensis* at Tuweep, Grand Canyon National Park . . . may belong to this species." (no further remarks) Article includes other regional occurrences of other species.]

**Pellmyr, Olle; Segraves, Kari A.; Althoff, David M.; Balcázar Lara, Manuel; AND Leebens-Mack, James**

- 2007 19.5616 The phylogeny of yuccas. *Molecular Phylogenetics and Evolution*, 43: 493-501. [Samples used in analysis include *Yucca angustissima* Engelm. ex Trel. and *Y. baccata* Torr. from Peach Springs, Arizona.]

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**Pelz, Jen**

- 2024 19.6872 The missing waterfall. *Colorado Plateau Advocate*, (Spring/Summer): 26-29. [Drought conditions affect springs and spring communities in Grand Canyon.]

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**Pender, Tim**

- 1993 19.3892 Unit 10 antelope status. *Pronghorn* (Arizona Antelope Foundation), 1(3) (Summer): 1, 4.

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**Pengelly, W. Leslie**

- 1976 19.3874 Probable causes of the recent decline of mule deer in the western U.S.—A summary. *In*: workman, Gar W., and Low, Jessob B. (eds.), *Mule Deer Decline in the West : a Symposium : April 1976, Utah State University, College of Natural Resources, Utah Agricultural Experiment Station, Logan, Utah*, pp. 129-133. [Includes Kaibab Plateau.]

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**Pennell, Francis W.**

- 1940 19.1297 New species of Scrophulariaceae from Arizona. *Notulae Naturae* (Academy of Natural Sciences of Philadelphia), (43) (May 15), 10 pp. [See pp. 9-10, *Cordylanthus tenuifolis*, new species; "Type. Grand Canyon, Coconino County, Arizona, collected in flower August 24, 1919, by W. W. Eggleston, no. 15677a; in Herb. Academy of Natural Sciences of Philadelphia."]

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**Pepper, Choral**

- 1967 19.4391 A little bit of fact about a little bit of horse. *Desert Magazine*, 30(5) (May): 10-11. [Regarding "miniature horses" said to be from Grand Canyon. Notes the earlier article in *Desert Magazine* by Laura Adams Armer, 23(8) (August 1960): 12-13; see [ITEM NO.](#)

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

19.4390).] [See also letters from Myrtle Rees, (6) (June): 43 (ITEM NO. 19.4392); Roy L. Modgling, (9) (September): 43 (ITEM NO. 19.4393); and Dorothy Clayton, (12) (December): 43, (ITEM NO. 19.4394).] [See also L. A. Armer (1960, ITEM NO. 19.4390.)]

**The Peregrine Fund**

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|---------|---------|---|
| NO DATE | 19.2026 | <i>Expanding shadows of the California condor.</i> Boise, Idaho: Peregrine Fund, 4 pp. [Late 1999?]   |
| 1995    | 19.1298 | <i>Draft Environmental Assessment: Release of California condors at the Vermilion Cliffs (Coconino County, Arizona).</i> Peregrine Fund, for U.S. Fish and Wildlife Service, 74 pp.   |
| 1996    | 19.2818 | <i>Final Environmental Assessment : experimental release of California condors at the Vermilion Cliffs (Coconino County, Arizona).</i> The Peregrine Fund, for U.S. Fish and Wildlife Service, 78 pp.   |
| 1996    | 19.1299 | Arizona condor release program. <i>Peregrine Fund, Newsletter 27</i> (Fall/Winter, Special California Condor Edition), p. 5.  |
| 1996    | 19.1300 | Special thanks. <i>Peregrine Fund, Newsletter 27</i> (Fall/Winter, Special California Condor Edition), p. 6.  |
| 1998    | 19.2027 | <i>The Peregrine Fund : World Center for Birds of Prey. 1998 annual report.</i> Boise, Idaho, Peregrine Fund, 28 pp.  |
| 2023    | 19.6796 | Highly pathogenic avian influenza confirmed as cause of three California condor mortalities in Arizona; additional birds deceased, others under care and quarantine with signs of illness. <i>Boatman's Quarterly Review</i> , 36(2) (Summer): 6-7. ("Reprinted with Permission by The Peregrine Fund. This article was originally published on April 7, 2023 at <a href="http://www.peregrinefund.org/news-release">www.peregrinefund.org/news-release</a> .") |

**Perrault, G. G.**

- |      |         |  |
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| 1982 | 19.6897 | Etudes sur la tribu des Bembidiini s. str. (Coleoptera, Carabidae). II. Révision du sous-genre <i>Cyclolopha</i> (Casey). <i>Entomologica Basiliensia</i> , 7: 89-126. [See <i>Bembidion sphaeroderum</i> Bates (pp. 100-102), wherein <i>B. (C.) occultum</i> Casey 1918 is synonymized with <i>B. sphaeroderum</i> Bates 1882; Casey's type material from Grand Canyon examined.] [In French.] |
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**Persio, Andrew F.**

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|---------|---------|--|
| NO DATE | 19.1301 | December 1992 mammal survey along the Colorado River through Grand Canyon, Arizona, December, 1992. <i>In: Technical reports for Glen Canyon Environmental Studies long-term monitoring program : with accompanying essay</i> (conducted by Prescott College students, December 4-30, 1992, supervised by Christa Sadler, Andre Potochnik, Julie Munsell). Prescott, Arizona: Prescott College, pp. 29-33. [1993.] |
|---------|---------|--|

**Persons, Trevor B., AND Nowak, Erika M.**

- |      |         |  |
|------|---------|--|
| 2006 | 19.5201 | Inventory of amphibians and reptiles in southern Colorado Plateau national parks. <i>U.S. Geological Survey, Open-File Report 2006-1132</i> , 186 pp. [Cover title. Title- |
|------|---------|--|

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

page: Inventory of amphibians and reptiles in southern Colorado national parks.]  
 [See "Appendix H. Park Accounts: Grand Canyon National Park", pp. 87-92.]

**Persons, William R. [Persons, Bill]**

- 2002 19.5535 *Final report : Lees Ferry creel data compilation project.* Phoenix: Arizona Game and Fish Department, for U.S. Geological Survey, Grand Canyon Monitoring and Research Center, Flagstaff, Arizona, SEPARATELY PAGINATED SECTIONS [90 pp. total]. (Cooperative Agreement 1425-98-PC-40-22690 Modification 008.)
- 2005 19.2566 Modeling abundance and growth of Lees Ferry trout using a spreadsheet stock assessment model [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2005. Abstracts. October 25-27, 2005, Fiesta Inn Resort, 2100 South Priest Drive, Tempe, AZ.* [Flagstaff, Arizona]: [U.S. Geological Survey, Grand Canyon Monitoring and Research Center], p. 84.
- 2007 19.6098 Preserving humpback chub from extinction. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 43(6) (November/December): 8.

**Persons, William R., AND VanHaverbeke, David R.**

- 2013 19.4370 Colorado River fish monitoring in Grand Canyon, Arizona: 2002-2011 humpback chub, *Gila cypha*, aggregations [ABSTRACT]. *In: 46th Joint Annual Meeting, Arizona/New Mexico Chapters of the Wildlife Society and Arizona/New Mexico Chapter of the American Fisheries Society*, p. 38.

**Persons, William R.; McCormack, Kevin; AND McCall, Terry**

- 1985 19.2809 *Fishery investigation of the Colorado River from Glen Canyon Dam to the confluence of the Paria River : assessment of the impact of fluctuating flows on the Lee's Ferry fishery : final report.* Phoenix: Arizona Game and Fish Department, 93 pp. (Federal aid in sport fish restoration, Dingell Johnson project F-14-R-14.)

**Persons, William R.; Van Haverbeke, David R.; AND Dodrill, Michael J.**

- 2017 19.5325 Colorado River fish monitoring in Grand Canyon, Arizona: 2002-14 humpback chub aggregations. *U.S. Geological Survey, Open-File Report 2016-1177*, 43 pp.

**Persons, William R.; Ward, David L.; AND Avery, Luke A.**

- 2013 19.3768 Standardized methods for Grand Canyon fisheries research 2012. *U.S. Geological Survey, Techniques and Methods, Book 2, Collection of Environmental Data, Section A, Biological Science, Chapter 12*, 19 pp. (U.S. Geological Survey, Techniques and Methods, 2-A12.)
- 2015 19.4676 Standardized methods for Grand Canyon fisheries research 2015. *U.S. Geological Survey, Techniques and Methods, Book 2, Collection of Environmental Data, Section A, Biological Science, Chapter 12*, 19 pp. ("Revised: January 2015 (ver. 1.1)"). (U.S. Geological Survey, Techniques and Methods, 2-A12.)

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Péterfi, Orsolya; Boda, Francisc; Szabó, Zoltán; Ferencz, Elek; AND Bába, László**

- 2019 19.6342 Hypotensive snake venom components—a mini-review. *Molecules* (MDPI: Multidisciplinary Digital Publishing Institute, Basel, Switzerland), 24(2778), doi:10.3390/molecules24152778, 16 pp. [Data include *Crotalus oreganus abyssus*, Grand Canyon rattlesnake.]

**Peters, James A.**

- 1952 19.4342 Catalogue of type specimens in the herpetological collections of the University of Michigan Museum of Zoology. *University of Michigan, Museum of Zoology, Occasional Papers*, (539), 55 pp. [In catalogue see p. 51, holotype of *Sonora semiannulata gloydi* Stickel, from Bright Angel Trail.]

**Petersen, James H., AND Paukert, Craig P.**

- 2005 19.2623 Development of a bioenergetics model for humpback chub and evaluation of water temperature changes in the Grand Canyon, Colorado River. *American Fisheries Society, Transactions*, 134(4) (July): 960-974.

**Petersen, Jan**

- 1995 19.6351 En botanisk rejseskildring fra det vestlige USA, 1. del. *Kaktus* (Nordisk Kakktus Selskab) (Denmark), 30(2) (April): 27-32. [See "Nordilge Arizona (AZ) med Grand Canyon" (pp. 31-32).] [Subsequent parts in series are not pertinent to this bibliography.] [In Danish.]

**Peterson, D.; Pellegrini, A. R.; McLeod, M. A.; AND Theimer, Tad C.**

- 2015 19.5113 Distance to standing water is negatively correlated with invertebrate biomass, nesting feeding rate, and productivity in southwestern willow flycatchers (*Empidonax traillii extimus*). *In*: Huenneke, Laura F., Riper, Charles van, III, and Hays-Gilpin, Kelley A. (eds.), *The Colorado Plateau VI : science and management at the landscape scale*. Tucson: University of Arizona Press. (11th Biennial Conference of Research on the Colorado Plateau.)

**Peterson, Kathy**

- 1982 19.1302 Interactions of harvester ants (*Pogonomymex*) and river recreationists. *In*: *Colorado River Investigations I : July/August 1982*. Flagstaff, Arizona: Northern Arizona University, and Museum of Northern Arizona, pp. 99-105.

**Peterson, Michael E.**

- 2004 19.5329 Reptiles. *From*: Chapter 18, Biotoxins. *In*: Plumlee, Konnie, *Clinical veterinary toxicology*. St. Louis, Missouri: Mosby, pp. 104-111. [*Crotalus viridis abyssus*, Grand Canyon rattlesnake, listed in Table 18-4, "Rattlesnake Species with Neurotoxic Venom" (p. 108).]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Peterson, Rob**

- 2016 19.5830 Cat' Canyon and Lees Ferry. *Target Talk* (Long Beach Casting Club, Long Beach, California), (October): 4-5. [Column written prior to a rafting trip in Cataract Canyon, but mostly contains notes relating to fishing at Lees Ferry.]
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**Petrie, Jim, AND Porter, Chris**

- NO DATE 19.3923 *A teacher's guide to Force of Nature, the David Suzuki movie : population, consumption and sustainable development.* [No place]: National Film Board of Canada, 36 pp. [See "Activity 2: The Lesson of the Kaibab Deer", pp. 8-9.]
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**Pettengill, Olin Sewall, Jr.**

- 1981 19.1303 *A guide to bird finding west of the Mississippi.* (Illustrations by George Miksch Sutton.) New York: Oxford University Press, 2nd ed., 783 pp. [See pp. 18-21.] [2011.]
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**Petterson, Jim R.**

- 1995 19.1304 Before it's too late; beggar sheep prevention through aversive conditioning. *Nature Notes* (Grand Canyon National Park), 11(1): 4.
- 1995 19.1305 Endangered species issues along the Colorado River. *Boatman's Quarterly Review*, 8(2): 25.

**Petterson, Jim R., AND Sogge, Mark K.**

- 1996 19.4209 *Distribution and breeding productivity of the southwestern willow flycatcher along the Colorado River in the Grand Canyon—1996.* [No place]: U.S. National Park Service, Grand Canyon National Park, and U.S. National Biological Service, Colorado Plateau Research Station/Northern Arizona University, 30 pp.
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**Pfeiffer, Bryan**

- 2007 19.2942 Size *doesn't* matter. *VES News* (Vermont Entomological Society Newsletter), (55) (Spring): 3. [Entomological notes from Grand Canyon hike; *Brephidium exile*, Western Pygmy-Blue butterfly, and caddisfly larvae.]
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**Pfeiler, E.; Reed, L. K.; AND Markow, T. A.**

- 2005 19.2937 Inhibition of alcohol dehydrogenase after 2-propanol exposure in different geographic races of *Drosophila mojavensis*: lack of evidence for selection at the Adh-2 locus. *Journal of Experimental Zoology, B, Molecular and Developmental Evolution*, 304(2): 159-168.
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Pfennig, David W.; Loeb, Michael L. G.; AND Collins, James P.**

- 1991 19.2291 Pathogens as a factor limiting the spread of cannibalism in tiger salamanders. *Oecologia*, 88(2): 161-166. [Study areas are Kaibab Plateau and Mogollon Rim, Arizona.]

**Philip, Cornelius B.**

- 1936 19.6116 Notes on certain males of North American horseflies (Tabanidae). *Brooklyn Entomological Society, Bulletin*, 31(5) (December): 189-197. [See p. 191: "*T. dorsifer* Wlk. [*Tabanus dorsifer* Walker, 1860] Allotype ♂ [. . .] Grand Canyon, Ariz., Phantom Ranch, about 2500'; July 26, 1934; F. E. Lutz." **NOTE** (from p. 189): "A number of apparently undescribed, or inadequately characterized males, have accumulated over a period of years and it appears opportune to make their descriptions available at this time. In order that initial descriptions of the opposite sex subsequent to the original specific establishment may be associated with a definite specimen, carefully preserved, for later reference and correction if need be, Mutkowsky's original conception when he proposed the term 'allotype,' is adhered to rather than the subsequent interpretation reflected in Banks and Caudell's 'Rules of Nomenclature' of an allotype as a 'paratype of the opposite sex.'"]

**Philip, Kenelm W.**

- 1996 19.4424 [Comment on "The Butterfly Wars" by Ted Williams in *Audubon* magazine.] *News of the Lepidopterists' Society*, 38(2) (April): 54. [Williams (1996), see **ITEM NO.** 19.4423.] [Includes brief note on Kaibab swallowtail and Grand Canyon.]

**Phillips, Allan R.**

- 1940 19.1306 Edgar Alexander Mearns (1856-1916), pioneer northern Arizona naturalist. *Plateau*, 13(1): 1-5.  
 ≡ **CROSS-LISTINGS** | **CITED»** GCNHA Monograph 8: page 4-41|
- 1943 19.5585 Critical notes on two southwestern sparrows. *The Auk*, 60 (April): 242-248. [Subspecies of Botteri's sparrow, *Aimophila botterii*, and song sparrow, *Melospiza melodia*. See canyon song sparrow, *Melospiza melodia fallax* (Baird), pp. 246-247, which includes note that in addition to the type Phillips has seen "but one specimen that I judge to be *fallax*; this is a juvenile male (Biological Survey coll.) from Supai [= Cataract] Canyon, Grand Canyon National Park, Arizona, June 21, 1929" (square brackets are part of quotation).] [Havasu Creek.]

**Phillips, Allan R.; Marshall, Joe; AND Monson, Gale**

- 1964 19.1307 *The birds of Arizona*. Tucson: University of Tucson Press, 212+ pp.  
 ≡ **CROSS-LISTINGS** | **CITED»** GCNHA Monograph 8: page 4-24|

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Phillips, Arthur M., III**

- 1975 19.1308 Flora of the Rampart Cave area, lower Grand Canyon, Arizona. *Arizona Academy of Science, Journal*, 10: 148-159.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 92| |CITED» GCNHA Monograph 2: page 72| |CITED» GCNHA Monograph 8: page 4-24|
- 1977 19.1309 A botanist's view. *Plateau*, 49(4): 10-17.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 92| |CITED» GCNHA Monograph 8: page 4-24|
- 1992 19.1310 A new subspecies of *Rosa stellata* (Rosaceae) from northwestern Arizona. *Madroño*, 39(1): 31-35. [*Rosa stellata* subsp. *abyssa*. Twin Point, Shivwits Plateau.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-41|

**Phillips, Arthur M., III, AND Jackson, Loretta**

- 1997 19.1311 Effects of Colorado River test flow experiment on Hualapai traditional ethnobotanical resources. *Glen Canyon Dam beach/habitat-building flow : abstracts and executive summaries, April 1997* [symposium convened by the Grand Canyon Monitoring and Research Center, Department of the Interior, Flagstaff, Arizona, April 8-10, 1997, Flagstaff]. [No imprint, convenor from separate proceedings volume], pp. 96-104.

**Phillips, Arthur M., III, AND Richardson, John**

- 1979 19.1312 *Grand Canyon wildflowers*. Grand Canyon Natural History Association, 145 pp. (Color photos by John Richardson.)  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 92| |CITED» GCNHA Monograph 8: page 4-24| **FORD 187** FQ17:335 FQ19:464A FQ21:184A FQ24/2:617A FQ27:99 FQ28:115  
 ≡ REVIEWS AND NOTICES Moore, 1980, ITEM NO. 30.198; Niles, 1980, ITEM NO. 30.209
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Poglayen-Neuwall, Ivo, AND Toweill, Dale E.**

1988 19.4903 *Bassariscus astutus*. *Mammalian Species*, (327), 8 pp. [Ringtail.]

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**Pogue, Michael G.**

2004 19.4311 A new species of *Schinia* Hübner from riparian habitats in the Grand Canyon (Lepidoptera: Noctuidae: Heliiothinae). *Zootaxa*, (788): 1-4. [*Schinia immaculata*; holotype from Colorado River Mile 23.0 Left.]

**Pogue, Michael G., AND Harp, Charles E.**

2004 19.4665 A review of the *Schinia tertia* (Grote) species complex (Lepidoptera: Noctuidae: Heliiothinae). *Zootaxa*, (473): 1-32. [*Schinia tertia* (Grote), pp. 3-11, Grand Canyon material noted, p. 5; *S. alba* Smith, revised status, pp. 11-15, Grand Canyon material noted, p. 12. See also distribution maps for these species, pp. 30, 31. Illustrated material does not include Grand Canyon specimens.]

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**Polatschek, Adolf**

2012 19.6328 Revision der Gattung *Erysimum* (Cruciferae), Teil 3: Amerika und Grönland. *Naturhistorischen Museums in Wien, Annalen* (Serie B, Botanik und Zoologie), 113 (April): 139-212. [See *Erysimum repandum* L. (pp. 151-153), material examined includes "North End of Wolf-hole Valley" and "Cedar Ridge" (Arizona Strip); *E. bakeri* Rydb. (p. 166), material examined includes "Off State Hwy. 67,20, [sic] 1 mi. S Jacob Lake"; and *E. desertorum* (Woot. & Standl.) Rossbach (pp. 182-183), material examined includes "Arizona, between Williams and Grand Canyon"; *E. radicum* Rydb. (pp. 187-188), material examined includes "Grand Canyon de Colorado, Bright Angel Trail" [sic, citing label in "G" = Conservatoire et Jardin botaniques de la Ville de Genève].] [In German.]

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**Polhemus, John T., AND Polhemus, Martin S.**

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 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-24|

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**Pollard, Charles Louis**

1894 19.3788 The genus *Cassia* in North America. *Torrey Botanical Club, Bulletin*, 21(5) (May 25): 208-222. [See *Cassia crotalarioides* Kunth., pp. 211-212; notes specimen from Grand Canyon in the herbarium at Kew Gardens, England, gathered by Moseley, 1884.]

1894 19.3789 The genus *Cassia* in North America. *Columbia College, Herbarium, Contributions*, 3(55), paginated 208-222 [repeating the pagination of the item in the *Bulletin of the Torrey Botanical Club* (Pollard, 1894, ITEM NO. 19.3788)]. [See *Cassia crotalarioides* Kunth., pp. 211-212; notes specimen from Grand Canyon in the herbarium at Kew Gardens, England, gathered by [Henry] Moseley, 1884.]

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Pollock, Ed**

- 2005 19.2538 A Grand Canyon turkey, mountain lion and giraffe. *Boatman's Quarterly Review*, 18(3) (Fall): 22-23. [Sightings (and photographs) of turkey near Morning Star Mine, mountain lion tracks at Whitmore camp, and a bear below Whitmore.]
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**Pollock, Michael M., AND Suckling, Kieran**

- 1995 19.1346 *An ecologically integrated approach to management of dwarf mistletoe (Arceuthobium) in southwestern forests.* Tucson: Southwest Center for Biological Diversity, 16 pp.
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**Pomeroy, Kimberly E.; Shannon, Joseph P.; AND Blinn, Dean W.**

- 2000 19.2280 Leaf breakdown in a regulated desert river: Colorado River, Arizona, U.S.A. *Hydrobiologia*, 434 (September): 193-199.
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**Pook, Catharine Emma**

- 2001 19.5928 *Evolutionary biology of the Western Rattlesnake, (Serpentes: Viperidae: Crotalus viridis): Phylogeny, morphology, and venom evolution.* Doctoral dissertation, University of Wales, 272 pp. [Includes *Crotalus viridis abyssus*.]

**Pook, Catharine E.; Wüster, Wolfgang; AND Thorpe, Roger S.**

- 2000 19.2416 Historical biogeography of the Western Rattlesnake (Serpentes: Viperidae: *Crotalus viridis*), inferred from mitochondrial DNA sequence information. *Molecular Phylogenetics and Evolution*, 15(2) (May): 269-282.
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**Pope, Theresa L.; Block, William M.; AND Beier, Paul**

- 2009 19.3044 Prescribed fire effects on wintering, bark-foraging birds in northern Arizona. *Journal of Wildlife Management*, 73(5): 695-700.
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**Poppius, B. [Poppius, Bertil Robert]**

- 1914 19.5135 Übersicht der *Pilophorus* Arten nebst beschreibung verwandter Gattungen (Hem. Het.). *Société Entomologique de Belgique, Annales*, 58: 237-254. [Includes: *Pilophorus americanus*, new species (p. 243), types from "Williams, Ar.!" and "Br't Angel, Ar!"; *Pilophorus exiguus*, new species (pp. 246-247), types from "Br't Angel, Ar!" The localities thus cited are Williams, Arizona, and Bright Angel (Grand Canyon), Arizona. Of parenthetical note are several more species recorded in this paper from Williams and Flagstaff, Arizona.] [In German.]
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**Porter, J. Mark**

- 1998 19.6781 *Aliciella*, a recircumscribed genus of Polemoniaceae. *Aliso* (Rancho Santa Ana Botanic Garden, Claremont, California), 17(1): 23-46. [See *Aliciella leptomeria* (A. Gray) J. M. Porter, new combination (pp. 38-40), representative specimens include "Arizona.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

Coconino Co.: US Hwy 89, 9.5 mi S Navajo Bridge, 18 May 1979, *Lehto & Lehto L23706* (NY)"; and see *A. triodon* (A. Eastwood) A. Brand (pp. 42-43), representative specimens include "Arizona. Coconino Co.: Buckskin Mtns., ca 18 mi S of US89, along W side of the Cockscomb, T41N, R3E, S21, 18 May 1973, *Atwood 4931*".]

**Porter, Marianne E.**

2002 19.2374 *Riparian vegetation responses to contrasting managed flows of the Colorado River in Grand Canyon, Arizona*. Master's thesis, Northern Arizona University, 33 pp.

**Porter, Marianne E., AND Kearsley, Michael J. C.**

2001 19.4292 The response of salt cedar, *Tamarix chinensis*, to experimental flows in the Grand Canyon. *Hydrology and Water Resources in Arizona and the Southwest*, 31: 45-50.

2001 19.2061 Growth of exotic and native plants in near-shore habitats during the 2000 Low Steady Summer Flows [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2001 : Little America Hotel, Flagstaff, Arizona, April 26 and 27, 2001 : organized by the Grand Canyon Monitoring and Research Center, U.S. Geological Survey. Program and abstracts*. [Flagstaff, Arizona: Grand Canyon Monitoring and Research Center], p. 27. (Glen Canyon Dam Adaptive Management Program.)

2001 19.5229 The response of tamarisk to experimental flows in Grand Canyon [ABSTRACT]. *In: Forty fifth Annual Meeting, April 14, 2001, University of Nevada, Las Vegas, Las Vegas, Nevada. Arizona-Nevada Academy of Science, Proceedings*, 36: 39.

**Portz, Donald, AND Tyus, Harold**

2004 19.2501 Fish humps in two Colorado River fishes: a morphological response to cyprinid predation? *Environmental Biology of Fishes*, 71(3): 233-245. [*Gila cypha* and *Xyrauchen texanus*.]

**Pospeschil, Jodi**

2017 19.5546 Academic excellence; collaboration with faculty enhances student experiences at Western. *Western Magazine* (Western Illinois University Alumni, Macomb, Illinois), 69(3) (Summer):4-6. [See photo by Kenneth Ingham, p. 7, "Sampling of Actinobacteria from a wing of a pallid bat (*Antrozous pallidus*) from the Grand Canyon Parashant National Monument in New Mexico [*sic*]." No text mention; photo apparently for illustrative purposes relating to the portion of the text focusing on the research of Paris Hamm, '15 (pp. 4-5).] [Grand Canyon-Parashant National Monument, Arizona.]

**Potochnik, Andre R., AND Kaplinski, Matt**

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**Pototski, Aleksander**

- 2019 19.6454 Metsikus Läänes 1. *Eesti Loodus* (Populaarteaduslik ajakiri) (Eesti NSV Teaduste Akadeemia, Tartu, Estonia), 70(10) (October): 48-53 (also concurrently paginated for volume, 768-773). [General article about natural history observations in the "Wild West". Part 1 includes Grand Canyon.] [In Estonian.]
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**Potter, Randall M.**

- 1980 19.2829 *The development of ponderosa pine cone processing ability in young tassel-eared squirrels* (*Sciurus aberti*). Doctoral dissertation, Miami University (Department of Psychology), 77 pp.
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**Potter, Van Renssalaer**

- 1988 19.6974 *Global bioethics : building on the Leopold legacy*. East Lansing, Michigan: Michigan State University Press. [Includes remarks on Aldo Leopold and the Kaibab deer irruption. Based on Vogt (1948, ITEM NO. 19.6964).]
- 2006 19.6975 *The Leopold legacy*. *Revista Selecciones de Bioética* (Pontificia Universidad Javeriana, Instituto de Bioética-Cenalbe, Bogotá, D.C., Colombia), (10) (August): 17-26. [From Van Renssalaer, ITEM NO. 19.6974.] [See pp. 24-25, brief remarks on Aldo Leopold and the Kaibab deer irruption.] [In English, with abstract also in Spanish.]
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**Powell, A. Michael**

- 1973 19.6389 Taxonomy of *Perityle* Section *Laphamia* (Compositae-Helenieae-Peritylinae). *Sida, Contributions to Botany* (Botanical Research Institute of Texas), 5(2) (May): 61-128. [See *Perityle congesta* (M. E. Jones) Shinners (pp. 100-102). Representative specimens include numerous specimens gathered in and near Grand Canyon.]
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**Powell, Kendall**

- 2002 19.2339 Open the floodgates! A second attempt to restore the altered environment of the Grand Canyon, by letting the Colorado River run free. *Nature* (London), 420(6914) (28 November): 356-358.
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**Powell, Miles A.**

- 2015 19.6976 "Pestered with inhabitants": Aldo Leopold, William Vogt, and more trouble with wilderness. *Pacific Historical Review*, 84(2) (May): 195-226. [See pp. 207-208, 224, regarding the Kaibab deer irruption and Aldo Leopold; and (based on Vogt, 1948, ITEM NO. 19.6964), pp. 211, 217, 219.]
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**Prakash, Satya**

- 1974 19.4300 Gene differences between the sex ratio and standard gene arrangements of the X chromosome and linkage disequilibrium between loci in the standard gene arrangement of the X chromosome in *Drosophila pseudoobscura*. *Genetics*, 77

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(August): 795-804. [Materials sample sites include "Grand Canyon (Arizona)" (no further precision).]

**Pratt, Harry Davis**

- 1945 19.2158 Taxonomic studies of Nearctic Cryptini (Ichneumonidae, Hymenoptera). *American Midland Naturalist*, 34(3) (November): 549-661. [See *Cryptus asymmetricus*, new species (pp. 587-589); paratypes examined include "Grand Canyon" (without further data). See also *Cryptus dirus* Cresson (pp. 603-605); distribution notes include "Grand Canyon" (without further data).]

**Pregler, Charles Edward**

- 1974 19.4693 *Kaibab mule deer productivity estimates based on ovarian examination*. Master's thesis, University of Arizona, 44 pp.

**Prendergast, Neil Douglas**

- 2005 19.2913 *Life in the land: The story of the Kaibab deer*. Master's thesis, Miami University, Oxford, Ohio, 89 pp.
- 2008 19.2753 Tracking the Kaibab deer into western history. *Western Historical Quarterly*, 39(4) (Winter): 413-438.

**Preston, Matthew A., AND Harcourt, Alexander H.**

- 2009 19.6205 Conservation implications of the prevalence and representation of locally extinct mammals in the folklore of Native Americans. *Conservation and Society*, 7(1): 59-69. [Data include wolf at Grand Canyon National Park; local Native American tribes here listed are Havasupai, Hopi, Hualapai, Navajo, Southern Paiute, and Zuni (see pp. 61, 67).]

**Price, Peter W.; Stevens, Lawrence E.; Blinn, Dean W.; AND Nelson, Clay B.**

- 1997 19.5504 *Endangered Kanab ambersnail use of native and non-native host plants in Grand Canyon, Arizona : September 1997 annual technical and administrative report : NAU Project No. BIO 351Z*. Flagstaff, Arizona: Northern Arizona University, Department of Biological Sciences, for Northern Arizona University, Sponsored Project Coordinator, [unpaginated].

**Protiva, Frank R., AND Valdez, Richard**

- 1994 19.1347 Regulated river influences on the thermal boundary at tributary confluences: *Gila cypha* reproduction in the Little Colorado River [ABSTRACT]. *North American Benthological Society, Bulletin*, 11(1): 178.

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**Protiva, Frank R.; Ralston, Barbara E.; Stone, Dennis M.; Kohl, Keith A.; Yard, Michael D.; AND Haden, G. Allen**

- 2010 19.3232 Effects of Glen Canyon Dam discharges on water velocity and temperatures at the confluence of the Colorado and Little Colorado rivers and implications for habitat for young-of-year humpback chub (*Gila cypha*). *U.S. Geological Survey, Open-File report 2010-1137*, 24 pp.
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**Pucherelli, Michael J.**

- 1986 19.4458 *Evaluation of riparian vegetative trends in the Grand Canyon using multitemporal remote sensing techniques : terrestrial biology of the Glen Canyon Environmental Studies*. Denver: U.S. Bureau of Reclamation, 10+ pp. [76 pp. total]. (PB88-183470.)
- 1986 19.1348 Evaluation of riparian vegetative trends in the Grand Canyon using multitemporal remote sensing techniques. *In: American Society for Photogrammetry and Remote Sensing and American Congress on Surveying and Mapping, Fall Convention, Anchorage, AK, Sept. 28-Oct. 3, 1986 : technical papers*. Falls Church, Virginia: American Society for Photogrammetry and Remote Sensing, pp. 172-181.  
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- 1988 19.5509 Evaluation of riparian vegetation trends in the Grand Canyon using multitemporal remote sensing techniques. *In: U.S. Bureau of Reclamation, Glen Canyon Environmental Studies, Glen Canyon Environmental Studies : executive summaries of technical reports : November 1988*. [No place]: Glen Canyon Environmental Studies, pp. 217-228.
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**Puente, Raul, AND Daniel, Thomas F.**

- 2001 19.2028 Garryaceae silk tassel family. *In: A new flora for Arizona in preparation. Arizona-Nevada Academy of Science, Journal*, 33(1): 31-34.
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**Puente, Raul, AND Faden, Robert B.**

- 2001 19.2029 Commelinaceae spiderwort family. *In: A new flora for Arizona in preparation. Arizona-Nevada Academy of Science, Journal*, 33(1): 19-26.
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**Pujade Villar, Juli, AND Paretas Martínez, Jordi**

- 2012 19.4329 A new species of woody tuberous oak galls from Mexico (Hymenoptera: Cynipidae) and notes with related species. Una nueva especie de agalla leñosa tuberosa en encinos de México (Hymenoptera: Cynipidae) y anotaciones sobre las especies relacionadas. *Dugesiana* (Universidad de Guadalajara, Centro de Estudios de Zoología, Sección de Entomología), 19(2) (December 21): 79-85. [See *Andricus wheeleri* (Beutenmüller, 1907), pp. 82-84; lectotype designated by Pujade-Villar and Paretas-Martínez, American Museum of Natural History collections with label "Caconino [sic] Forest, Grand Canyon, Ariz., May 1905, N.W. Wheeler coll."; paralectotypes from Coconino Forest. For Beutenmüller publication, see ITEM NO. 19.4065.] [In English, with bilingual title and abstract.]
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**Pyle, Robert Michael**

- 1999 19.4094 *Chasing monarchs : migrating with the butterflies of passage.* Boston and New York: Houghton Mifflin Co., 307 pp. [See in Chapter 11, "Apache Gold", which includes Lees Ferry-Marble Canyon area; and pp. 228-235, Cibola National Wildlife Refuge.]

**Pyne, Stephen J.**

- 1996 19.4114 Nouvelle Southwest. *In:* Covington, Wallace, and Wagner, Pamela K. (technical coordinators), Conference on Adaptive Ecosystem Restoration and Management: Restoration of Cordilleran Conifer Landscapes of North America, June 6-8, 1996, Flagstaff, Arizona. U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-GTR-278, pp. 9-16. [NOTE: Cover title gives conference dates as June 6-8, 1995.] [Adapted from *World Fire* (Pyne, 1995, ITEM NO. 2.5253).]
- 1997 19.1349 *America's fires : management on wildlands and forests.* Durham, North Carolina: Forest History Society, 54 pp.
- 1998 19.1350 Pyre on the mountain. *In:* Rothman, Hal K. (ed.), *Reopening the American West.* Tucson: University of Arizona Press, pp. 38-52.  
≡ CROSS-LISTINGS FQ19:516 [volume]
- 2007 19.5052 Megaburning: The meaning of megafires and the means of the management. *In:* *Actas de la IV Conferencia Internacional sobre Incendios Forestales, Sevilla (España), 13-18 de mayo de 2007 : abstracts of the 4th International Wildland Fire Conference, Sevilla, Spain, 13-18 May 2007*, 7 pp. (Wildfire 2007.) [Includes Kaibab Plateau.]
- 2016 19.5109 *The Southwest : a fire survey.* Tucson: University of Arizona Press. (To the Last Smoke, Volume 4.) (Project MUSE, <https://muse.jhu.edu>, July 25, 2016.) [See "The Kaibab: Friendly Fire", pp. 42-64.]

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**Quartaroli, Richard D.**

- 2005 19.2517 (RESEARCHER) Ocotillo; *Fouquieria splendens*—Ocotillo or Candlewood Family. *Boatman's Quarterly Review*, 18(2) (Summer): 16-17. [Research project of Kristin Huisinga, Lori Makarick, and Kate Watters (see Huisinga *et al.*, 2006, ITEM NO. 19.2619).]
- 2009 19.2999 Grand Canyon's other Rose and first botanist. *Canyon Views* (Grand Canyon Association), 15(3) (Fall): 4-5. [Rose E. Collom, botanist.]
- 2009 19.3034 (RESEARCHER) Ocotillo. *Grand Canyon River Runner*, (9) (Fall): 6-7. [Reprinted from Quartaroli (2005, ITEM NO. 19.2517).]



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- 2018 19.5936 The Grand Canyon Rose: Grand Canyon National Park's first botanist, Rose Collom. *In*: Quartaroli, Richard D. (compiler, ed.), *Celebrating 100 years of the National Park Service, November 2016 : a gathering of Grand Canyon historians : ideas, arguments, and first-person accounts*. Grand Canyon, Arizona: Grand Canyon Association, pp. 50-56.
- 2019 19.6086 [Photo of Quartaroli taking notes with five bighorn sheep nearby.] *Boatman's Quarterly Review*, 32(1) (Spring): 48. [Legend: "September 1996, GCES campsite study for Lisa Kearsley, 6-month post flood trip, I think 2nd Chance camp below Havasu. The herd wouldn't go through until I finally got out of the way."]

**Quesado, Leticia Barbosa**

- 2009 19.6352 *Interações ecológicas nos livros didáticos do ensino médio*. Post-graduate program thesis, Universidade do Estado do Rio de Janeiro, 100 pp. [Kaibab deer herd, see pp. 44-45, 76. High-school text referenced for Kaibab notices cited (p. 32) as "Amabis, J. M. & Martho, G. R. *Biologia*. São Paulo: Moderna, 2005".] [In Portuguese.]

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- 2012 19.3637 *Birds of northwestern Arizona : including Grand Canyon National Park*. Aptos, California: Marketscope Books, 6 pp.

**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.]

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**Rabaute, Philippe, AND Coulot, Pierre**

- 2016 19.6870 Voyages naturalistes dans l'ouest des États-Unis, 2010-2014. *Evaxiana* (Revue électronique annuelle de la Société botanique du Centre-Ouest [France]), 2 : 79-106. [See "Las Vegas-Bryce Canyon-Page (Utah, mars 2010 et juin 2011)" and "Page-Las Vegas par le Grand Canyon (Arizona, juin 2011)".] [In French.]

**Rabe, Michael J.; Siders, Melissa S.; Miller, C. Richard; AND Snow, Tim K.**

- 1998 19.1352 Long foraging distance for a spotted bat (*Euderma maculatum*) in northern Arizona. *Southwestern Naturalist*, 43(2) (June): 266-269.

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**Rachlow, Janet L.; Lee, Raymond M.; AND Riley, Ryan K.**

- 2003 19.2370 Abnormal antlers and pedicles on Rocky Mountain elk in northern Arizona. *Southwestern Naturalist*, 48(1) (March): 147-153. [Hualapai Indian Reservation herd established in 1960s with individuals translocated from Yellowstone National Park.]
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**Raffensperger, Carolyn**

- 2005 19.5034 Some positive Bush moves help wildlife. *In*: Science for Lawyers [SECTION]. *The Environmental Forum* (Environmental Law Institute, Washington, D.C.), (January/February): 14. [Includes Colorado River in Grand Canyon. Regarding the administration of President George W. Bush.]
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**Ragenovich, Iral**

- 1980 19.6683 Southwestern Region (R-3). *In*: Forest insect and disease conditions in the United States, 1978. *U.S. Forest Service, General Technical Report GTR-WO-19*, pp. 20-24. [See p. 20, under "Mountain pine beetle": "The infestation on the Kaibab National Forest, Ariz., declined to a low level. Activity continued on the adjoining Grand Canyon National Park, but losses were minimal. Mountain pine beetle attacked and killed relatively thrifty trees growing on the best sites in Arizona. No suppression or salvage programs were undertaken." (ENTIRE NOTE)]
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**Ralls, Katherine; Ballou, Jonathan D.; Rideout, Bruce A.; AND Frankham, Richard**

- 2000 19.2159 Genetic management of chondrydystrophy in California condors. *Animal Conservation*, 3: 145-153.
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**Ralston, Barbara E.**

- 2001 19.2062 Native fish, science and management in the Colorado River ecosystem: Where are we? [ABSTRACT]. *In*: *Colorado River Ecosystem Science Symposium 2001 : Little America Hotel, Flagstaff, Arizona, April 26 and 27, 2001 : organized by the Grand Canyon Monitoring and Research Center, U.S. Geological Survey. Program and abstracts.* [Flagstaff, Arizona: Grand Canyon Monitoring and Research Center], p. 31. (Glen Canyon Dam Adaptive Management Program.)
- 2005 19.2544 (WITH TEXT BOX BY Charles Drost) Riparian vegetation and associated wildlife. *In*: Gloss, Steven P., Lovich, Jeffrey E., and Melis, Theodore S. (eds.), *The state of the Colorado River ecosystem in Grand Canyon; a report of the Grand Canyon Monitoring and Research Center, 1991-2004. U.S. Geological Survey, Circular 1282*, pp. 103-122.
- 2005 19.2567 Riparian vegetation and associated wildlife (chapter 6). *In*: *Colorado River Ecosystem Science Symposium 2005. Abstracts. October 25-27, 2005, Fiesta Inn Resort, 2100 South Priest Drive, Tempe, AZ.* [Flagstaff, Arizona]: [U.S. Geological Survey, Grand Canyon Monitoring and Research Center], p. 23. [Chapter 6 refers to ITEM NO. 19.2544.]

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- 2008 19.2780 Short and long-term vegetation response to a 60-hour, high-discharge release (41,000 cubic feet/second) from Glen Canyon Dam [ABSTRACT]. *In: Colorado River Basin Science and Resource Management Symposium 2008. Coming together: Coordination of science and restoration activities for the Colorado River ecosystem : abstracts : November 18-20, 2008, Doubletree Resort Hotel, Scottsdale, Arizona.* [No imprint], p. 90.
- 2010 19.3038 Riparian vegetation response to the March 2008 short-duration, high-flow experiment—implications of timing and frequency of flood disturbance on nonnative plant establishment along the Colorado River below Glen Canyon Dam. *U.S. Geological Survey, Open-File Report 2010-1022*, 30 pp.
- 2011 19.3398 Summary report of responses of key resources to the 2000 low steady summer flow experiment, along the Colorado River downstream from Glen Canyon Dam, Arizona. *U.S. Geological Survey, Open-File Report 2011-1220*, 129 pp.

**Ralston, Barbara E., AND Sarr, Daniel A.**

- 2017 19.5895 (EDS.) Case studies of riparian and watershed restoration in the southwestern United States—principles, challenges, and successes. *U.S. Geological Survey, Open-File Report 2017-1091*, 116 pp.
- 2017 19.5896 Introduction. *In: Ralston, Barbara E., and Sarr, Daniel A. (eds.), Case studies of riparian and watershed restoration in the southwestern United States—principles, challenges, and successes. U.S. Geological Survey, Open-File Report 2017-1091*, pp. 1-4.

**Ralston, Barbara E., AND Wegner, David L.**

- 1996 19.1353 Effects of habitat/building flows on backwater habitat along the Colorado River, below Glen Canyon Dam [ABSTRACT]. *Eos (American Geophysical Union, Transactions)*, 77(46, Supplement): F272.

**Ralston, Barbara E.; Davis, P. A.; Rundall, J. M.; Weber, R. M.; AND Davis, L.**

- 2005 19.2569 A GIS vegetation database for the Colorado River ecosystem [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2005. Abstracts. October 25-27, 2005, Fiesta Inn Resort, 2100 South Priest Drive, Tempe, AZ.* [Flagstaff, Arizona]: [U.S. Geological Survey, Grand Canyon Monitoring and Research Center], p. 85. [Geographic Information System.]

**Ralston, Barbara E.; Davis, Philip A.; Weber, Robert M.; AND Rundall, Jill M.**

- 2008 19.2737 A vegetation database for the Colorado River ecosystem from Glen Canyon Dam to the western boundary of Grand Canyon National Park, Arizona. *U.S. Geological Survey, Open-File Report 2008-1216*, 37 pp.

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**Ralston, Barbara E.; Laretta, Matthew V.; AND Kennedy, Theodore A.**

- 2007 19.3017 Comparisons of water quality and biological variables from Colorado River shoreline habitats in Grand Canyon, Arizona, under steady and fluctuating discharges from Glen Canyon Dam. *U.S. Geological Survey, Open-File Report 2007-1195*, 29 pp.

**Ralston, Barbara E.; Starfield, Anthony M.; Black, Ronald S.; AND Van Lonkhuizen, Robert A.**

- 2014 19.4397 State-and-transition prototype model of riparian vegetation downstream of Glen Canyon Dam, Arizona. *U.S. Geological Survey, Open-File Report 2014-1095*, 26 pp. + Excel files accessible online, <http://pubs.usgs.gov/of/2014/1095/>. [Excel files are data spreadsheets for "Reattachment bar model of May 1, 2014" and "Separation Bar Model May 1, 2014".] [Glen Canyon Dam to Lake Mead.]

**Ramirez, Amber M.**

- 2016 19.5284 John H. Weber's life and philanthropy. *The Sonoran Quarterly* (Desert Botanical Garden, Phoenix), 70(4) (December): 11. [Memorial. Includes note of Weber's role in acquiring herbarium specimens from "Grand Canyon National Parks' first paid botanist, his friend Rose Collum".]
- 2018 19.6037 The Ahearn Desert Conservation Laboratory; Susan and Bill Ahearn fulfill a garden dream. *The Sonoran Quarterly* (Desert Botanical Garden, Phoenix), 72(3/4) (September): 17-19. [See p. 18: "Wendy Hodgson, curator of the herbarium and senior research botanist, shares that Susan and Bill have been joining her on Grand Canyon Association Field Institute research trips since 1997. On that first trip, they conducted a botanical survey from Boucher Creek to Hermit Creek. They continue those trips with Wendy to this day, with a trip scheduled this fall to Clear Creek to conduct an agave survey." (ENTIRE NOTE)]

**Ramsey, Angela**

- 2012 19.4164 Recent report sheds light on cougar survival in NNSS region. *One Voice* (Nevada National Security Site, Las Vegas), 1(2) (November): 9. [Includes notices of cougars at Grand Canyon.]

**Ramsey, Hope**

- 2014 19.5714 Double luck. (As told by Robert Ramsey.) *Muley Crazy* (Kanab, Utah), (November): 21-23. [Mule deer hunting on Arizona Strip.]

**Ramsey, Robert**

- 2015 19.5717 "Goofy". *Muley Crazy* (Kanab, Utah), (June): 49. [Mule deer hunting on Arizona Strip.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Rand, Patricia June**

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- 1980 19.5275 *CAO : une aide graphique à la modélisation de systèmes dynamiques*. Doctoral dissertation, Université Claude Bernard (Lyon, France), 140 pp. [Includes Kaibab Plateau model (pp. 35, 88-89).] [Computer Assisted Ordering; commande assistée par ordinateur.] [In French.]

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- 1932 19.6128 [Summary.] *In*: *Final Examination of Daniel Irvin Rasmussen for the Degree of Doctor of Philosophy, Thursday, May 26, 1932, 10 A.M., Room 108, Administration Building*. University of Illinois, Graduate School, 4 pp.
- 1941 19.1357 Biotic communities of the Kaibab Plateau, Arizona. *Ecological Monographs*, 11: 229-275.  
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- 1971 19.1358 *The Kaibab squirrel in the Kaibab National Forest*. Albuquerque: U.S. Forest Service, Southwest Region.  
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- 1997 19.2977 [Letter inquiring, "Why did Margaret Wertheim cite the mule deer in the Grand Canyon as an example of an introduced species that causes damage to a habitat?"] *From*: Eating Machines. *In*: Peer Review [LETTERS SECTION]. *The Sciences* (New York

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

Academy of Sciences), 37(1) (January/February): 48. [Refers to: Wertheim, Margaret, "Unnatural Appetites: Training Bacteria to Snack on Plastic Waste", *The Sciences*, 36(3) (May/June), where the author mentioned, ". . . and introduced species—from mule deer in the Grand Canyon to cane toads in northern Australia . . ." Reply by Margaret Wetherim pertains only to other, unrelated letters. "Editor's Note: Citing mule deer in the Grand Canyon as an example of habitat damage was not fault of the author's. It was instead the result of an editing error."]

**Rasmussen, D. I.; Brown, David E.; AND Jones, D.**

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**Ratcliff, Thomas D.**

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**Ratcliff, Thomas D.; Patton, David R.; AND Ffolliot, Peter F.**

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**Rath, Gerhard vom**

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**Rathbun, Richard**

1917 19.3706 *Report on the progress and condition of the United States National Museum for the year ending June 30, 1916*. Washington, D.C.: U.S. Government Printing Office. [See "List of Accessions to the Collections During the Fiscal Year 1915-1916" (section); specifically, p. 170: "Pilsbry, Dr. H. A., Academy of Natural Sciences, Philadelphia, Pa.: 8 mollusks, paratypes of *Oreohelix yavapai* var. *angelica*, collected in the Grand

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

Canyon, near base of Crossbed sandstone [Coconino Sandstone], Bright Angel Trail (59178)." (ENTIRE ITEM)] [Henry A. Pilsbry.]

**Raven, Peter H.**

- 1962 19.1948 The systematics of *Oenothera* subgenus *Chylismia*. *University of California, Publications in Botany*, 34(1): 1-122. [See pp. 80-83, 87-90, 110-111, 113-115.] [Includes *Oenothera confertiflora*, new species, from base of Vulcan's Throne, Toroweap Valley (pp. 80-83); *O. specuicola*, new species, from South Kaibab Trail (pp. 87-90).]

**Ray, Harold Edwin**

- 1971 19.4357 *A biosystematic study of Artemisia carruthii*. Doctoral dissertation, University of Oklahoma, 51 pp. [Populations examined include gatherings from East Rim Drive, Grand Canyon; "Hull Tanks, Kaibab National Forest"; "4 miles west of Jacob Lake"; "5 miles east of Jacob Lake".]

**Rea, Amadeo M.**

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- 1980 19.1362 Late Pleistocene and Holocene turkeys in the Southwest. *Natural History Museum of Los Angeles County, Contributions in Science*, (330): 209-224.  
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**Reat, Erin P.; Rhodes, Olin E., Jr.; Heffelfinger, James R.; AND deVos, James C., Jr.**

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**Redburn, Ralph A.**

- 1931 19.5391 [Abert squirrel seen carrying young.] *In: Field Observations [SECTION]. Grand Canyon Nature Notes*, 5(7) (May): 69. [See report in 5(8) (June): 80-81 (ITEM NO. 19.1364).]  
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- 1931 19.1364 A mother squirrel transports its young. *Grand Canyon Nature Notes*, 5(8) (June): 80-81.  
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 92| |CITED» GCNHA Monograph 8: page 4-24|
- 1931 19.1367 Pinyon pine nuts. *Grand Canyon Nature Notes*, 5(12) (October): 125-126.  
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- 1932 19.5058 Field observations. *Grand Canyon Nature Notes*, 7(5) (August): 54. [Mountain lion seen on Cape Royal Road about five miles north of Cape Royal. Also an observation of mother Kaibab squirrel transporting young.]  
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- 1932 19.1371 Mountain lion poses for auto caravan. *Grand Canyon Nature Notes*, 7(8) (November): 85-86. [North Rim.]  
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- 1932 19.1373 A coyote tale. *Grand Canyon Nature Notes*, 7(12): 128-129. [Mearns coyote, North Rim; with special note of "Old Rusty" near Bright Angel Hill, awaiting road-kill meals.]  
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- 1994 19.1375 Pinyon pine nuts. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 68. [Reprinted from *Grand Canyon Nature Notes*, October, 1931.]
- 1994 19.1376 . . . The American pronghorn. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, p.



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

139. [Reprinted from *Grand Canyon Nature Notes*, November, 1931. Ellipsis is part of title.]

- 1994 19.1377 A coyote tale. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 140. [Reprinted from *Grand Canyon Nature Notes*, March, 1933.]

**Redfern, Curtis**

- 1925 19.6681 The other fellow's garden. *The Dahlia Society of California, Bulletin* (San Francisco), (26) (August): 7. [Regarding visits to gardens during a business trip to the eastern U.S. "A day at the Grand Canyon on my return trip was filled with interest. There are many things about rock arrangement to be learned in this great rock garden of the Master Gardener, and my camera brought home pictures of several groupings for study and possible use in my miniature landscape garden: A gnarled cedar grimly determined to grow in the crevice of a perpendicular cliff of stone; another desert effect—Cacti and Yucca in a natural terrace of rocks." (ENTIRE NOTE)]

**Redford, Kent H.; Campbell, Karl; Dayer, Ashley; Dickman, Chris; Epanchin-Niell, Rebecca; Grosholz, Ted; Hallac, Dave; Richardson, Leslie; AND Schwartz, Mark**

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- 2003 19.2401 Courtship and copulation in the Grand Canyon rattlesnake, *Crotalus viridis abyssus*. *Herpetological Review*, 34(2): 111-112.

**Reed, Robert N., AND Douglas, Michael E.**

- 2002 19.2225 Ecology of the Grand Canyon rattlesnake (*Crotalus viridis abyssus*) in the Little Colorado River canyon, Arizona. *Southwestern Naturalist*, 47(1) (March): 30-39.

**Reed, S.; Belnap, J.; Sherry, R.; Ostojo, S.; AND Shafroth, P.**

- 2017 19.5858 Riparian soil fertility, stability, and salinity: How beetle-induced saltcedar defoliation and mortality are setting the stage for the riparian community that comes next [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. 134.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Reed, Sarah E.**

- 2007 19.3126 *Natural and human disturbance factors influencing carnivore distributions and implications for conservation.* Doctoral dissertation, University of California at Berkeley, 226 pp. [See Chapter 4 (pp. 128-165), "Spatial patterns of carnivore species co-occurrence in Grand Canyon National Park".]
- 2011 19.4917 Non-invasive methods to assess co-occurrence of mammalian carnivores. *Southwestern Naturalist*, 56(2) (June): 231-240. [Study sites on north and south rims of Grand Canyon during 2003-2005.]

**Reed, Sarah E., AND Leslie, Elaine F.**

- 2004 19.2531 The relative importance of habitat variables and species co-occurrence for predicting mesocarnivore species presence [ABSTRACT]. *In*: Delach, Aimee (compiler), *Program and agenda for Defenders of Wildlife's Carnivores 2004, Expanding Partnerships in Carnivore Conservation, November 14-17, 2004, Santa Fe, New Mexico.* [No place]: Defenders of Wildlife, p. 28.
- 2005 19.4783 Patterns of carnivore co-occurrence on the North Rim, Grand Canyon National Park. *In*: Riper, Charles van, III, and Mattson, David J. (eds.), *Colorado Plateau II : biophysical, socioeconomic, and cultural research.* Tucson: University of Arizona Press. (7th Biennial Conference of Research on the Colorado Plateau, 2003, Northern Arizona University.)
- 2015 19.4784 Patterns of carnivore co-occurrence on the North Rim, 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. 100-101.

**Reeder, John R.**

- 1991 19.1379 A new species of *Panicum* (Gramineae) from Arizona. *Phytologia*, 71(4) (October): 300-303. [*Panicum mohavense*, new species; holotype and isotypes from "Main Street Valley, ca. 1.5 km S of the jct. of the Colorado City road with the Main Street Valley road."]  
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- 1994 19.1380 *Stipa tenuissima* (Gramineae) in Arizona—a comedy of errors. *Madroño*, 41(4): 328-329. [Havasu Canyon.]

**Rees, Myrtle**

- 1967 19.4392 Wee folk for wee horses. *In*: Letters From Our Readers [SECTION]. *Desert Magazine*, 30(6) (June): 43. [In response to Choral Pepper's article on the so-called "miniature horses" said to be from Grand Canyon, in the May issue (Pepper, 1967, ITEM NO. 19.4391).]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Reeve, Wayne L.**

- 1952 19.6253 Taxonomy and distribution of the horned lizard genus *Phrynosoma*. *University of Kansas, Science Bulletin*, 34(2)(14) (February 15): 817-960.
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**Reeves, Edith**

- 2004 19.6096 [Photo of California condor on rock.] *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 40(5) (September/October): 1. [Legend: "On an April hike near the Spencer Trail, Edith Reeves and her family were lucky to have this close-up experience in observing a California condor."]
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**Reeves, Kelly**

- 2010 19.5690 *Species fact sheet : Cactaceae (cactus family) : Brady's pincushion cactus : Pediocactus bradyi : rare plant*. [No place]: southwestlearning.org [Learning Center of the American Southwest], 1 p. ("10.15.2010".) [Includes U.S. National Park Service logo.]
- 2010 19.5691 *Species fact sheet : Fabaceae (legume family) : sentry milkvetch : Astragalus cremnophylax var. cremnophylax : rare plant*. [No place]: southwestlearning.org [Learning Center of the American Southwest], [2] pp. ("10.15.2010".) [Includes U.S. National Park Service logo.]
- 2010 19.5692 *Species fact sheet : Cyperaceae (sedge family) : Navajo sedge : Carex specuicola : rare plant*. [No place]: southwestlearning.org [Learning Center of the American Southwest], [2] pp. ("10.15.2010".) [Includes U.S. National Park Service logo.]
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**Reeves, Timothy**

- 1976 19.6435 Range extensions for lower vascular plants in Arizona. *Madroño*, 23(8) (October): 454-455. [Includes *Cheilanthes villosa* Davenp. ex Maxon, from Mooney Falls, Havasu Canyon, the northernmost recorded station for this species in North America; *Selaginella watsonii* Underw., first state records from localities at Robbers Roost, Kanabonits Canyon, Kanabownits Valley, Kaibab Basin, Grand Canyon National Monument, and head of Hack Canyon.]
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**Reger, S.; Tinning, K.; AND Piest, L.**

- 1989 19.1381 *Colorado River Lee's Ferry fish management report, 1985-1988*. Phoenix: Arizona Game and Fish Department.
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**Regina, Tom**

- 2006 19.4023 Fish beneath 1000-foot sandstone cliffs. *First Coast Fly Fisher* (Jacksonville, Florida), (January): 3. [Lees Ferry.]
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Rehder, Alfred**

- 1917 19.3583 The genus *Fraxinus* in New Mexico and Arizona. *American Academy of Arts and Sciences, Proceedings*, 53(2) (October): 199-212. [See *Fraxinus cuspidata* var. *macropetala*, new variety (pp. 201-202), referred material includes specimens from several Grand Canyon localities ("Grand Canyon", Red Canyon Trail, Bright Angel Trail, Hermit Trail, Grand View Trail; *F. lowellii* Sargent, new species (p. 211, written by C. S. Sargent), type from Oak Creek Canyon, other referred specimens include "Mohave Co.: Peach Spring, 1884, J. G. Lemmon (No. 3242)" [perhaps actually in May 1885 when Lemmon was at Peach Springs]; *F. anomala* Torrey (pp. 211-212).]
- 1920 19.6218 New species, varieties and combinations from the herbarium and the collections of the Arnold Arboretum. *Arnold Arboretum, Journal*, 1(3) (January): 191-210. [See *Fendlera rupicola* A. Gray, new combination (p. 204), referred material includes "Grand Canyon, 1894, C. S. Sargent, July 19, 1914, A. Rehder (Nos. 102, 111), June 16, 1916, Alice Eastwood (No. 5717)", and note, ". . . my No. 102 from the Grand Canyon show[s] a slight covering of minute branched hairs on the under side of the leaves, as does also one branch of Miss Eastwood's No. 5300"; *F. wrightii* Heller (pp. 204-205), referred material includes "Grand Canyon, May 24, 1903, G. B. Grant (No. 5737)"]

**Rehfeldt, Gerald E.**

- 1990 19.1382 Genetic differentiation among populations of *Pinus ponderosa* from the upper Colorado River basin. *Botanical Gazette*, 151(1) (March): 125-137.  
     = CROSS-LISTINGS [CITED» GCNHA Monograph 8: page 4-24]
- 1993 19.1383 Genetic variation in the Ponderosae of the Southwest. *American Journal of Botany*, 80(3): 330-343.

**Rehn, James A. G. [Rehn, James Abram Garfield]**

- 1907 19.16811 Notes on Orthoptera from southern Arizona, with descriptions of new species. *Academy of Natural Sciences of Philadelphia, Proceedings*, 59(1) (January/March): 24-81. [See *Trimerotropis vinculata* Scudder (p. 45), which includes the note, "Several specimens of this common and widely distributed species from Grand Canyon of the Colorado (Skinner, July 11) are also in hand." (ENTIRE NOTE)]
- 1919 19.3325 Descriptions of new and critical notes upon previously known forms of North American Oedipodinae (Orthoptera; Acrididae); first paper. *American Entomological Society, Transactions*, 45: 229-255, Plates 26-28. [See *Mestobregma terricolor*, new species, pp. 242-247; female specimen from Grand Canyon noted, pp. 245 note 18, 246.]
- 1921 19.3633 Descriptions of new and critical notes upon previously known forms of North American Oedipodinae (Orthoptera; Acrididae); second paper. *American Entomological Society, Transactions*, 47(3): 171-197, plates. [See *Circotettix coconino*, new species, pp. 187-191, Plate 12, figures 19-21. Referred specimens include two from "Bright Angel, Grand Canyon of the Colorado".]
- 1954 19.1384 Of grasshoppers and their kin; the long, long trail of the specialist on a Spring survey. *Frontiers* (Academy of Natural Sciences of Philadelphia), 19(1) (October): 7-9.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Rehn, James A. G., AND Grant, Harold J., Jr.**

- 1958 19.5288 A revision of the genus *Morsea* (Orthoptera; Acridoidea; Eumastacidae). *American Entomological Society, Transactions*, 84(3/4) (September/December): 217-259. [See *Morsea californica piute*, new subspecies; includes typical (but non-type) material from northwestern Arizona, and notes on atypical material from Fredonia, Arizona (pp. 239-250); *Morsea californica kaibabensis*, new subspecies, type from "Northwest escarpment slope of Kaibab Plateau" (pp. 250-254); *Morsea californica dumicola* Rehn and Hebard, with remarks on Grand Canyon specimens (pp. 254-259).]

**Rehn, James A. G., AND Hebard, Morgan**

- 1908 19.1385 An orthopterological reconnoissance of the southwestern United States. Part I: Arizona. *Academy of Natural Sciences of Philadelphia, Proceedings*, 60: 365-402. [See locality descriptions, pp. 367-368. See: ***Litanutria skinneri* Rehn** (p. 370), "A male specimen from the Grand Canyon, altitude 7,000 feet, September 11, 1907." ***Paropomala perpallida* new species** (pp. 373-375, figures 5, 6); "Type: ♂; near Bright Angel Trail, elevation 3,750 feet, Grand Canyon of the Colorado, Coconino County, Arizona. September 12, 1907. Collected by M. Hebard." ***Syrbula modesta Bruner*** (pp. 375-376); "This rather diminutive species was taken at elevations ranging from 4,900 to 5,800 feet in the Grand Canyon, three males and two females being included in the series." ***Amphitornus nanus, new species*** (pp. 376-378, figure 7); "Type: ♂; Grand Canyon of the Colorado, Coconino County, Arizona, altitude 7,000 feet, in conifer forest. September 11, 1907. Collected by Morgan Hebard." ***Dissosteira carolina (Linnæus)***; "Three males and two females of this widely distributed species were taken at Williams, September 13, while a single female was taken September 11 at Bright Angel, Grand Canyon, elevation of 6,850 feet." ***Trimerotropis modesta Bruner*** (p. 390); "A female of this form taken on the rim of the Grand Canyon, near Bright Angel, September 11, and a male taken at Williams, September 13, are in the collection. The specific validity of this form appears to be rather questionable, as its relationship to *T. citrina* is so close that it may be nothing more than a race of that species." ***Trimerotropis inconspicua Bruner*** (p. 390); "Three males of this species taken at Bright Angel, Grand Canyon, 6,880 feet to 7,000 feet, are before us. Two were taken July 29 to August 2, 1906, by Calvert, and one on September 11, 1907, by Hebard." ***Trimerotropis vinculata Scudder*** (pp. 390-391); "This wide ranging species is represented by eighty-three specimens taken as follows: . . . Bright Angel Trail, Grand Canyon, elevation 3,000-7,000 feet, July 29-August 2 (Calvert), September 11 and 12 (Hebard), 3 ♂, 9 ♀." ***Trimerotropis cyaneipennis Bruner*** (p. 391); "A series of sixteen males and seven females of this species was taken at elevations ranging from 3,800 to 7,000 feet on and in the vicinity of the Bright Angel Trail, Grand Canyon, September 11 and 12. [. . .] It was not plentiful along the canyon edge, but lower on the Bright Angel Trail it was found almost everywhere, most plentiful, however, about bare places near precipices." ***Circotettix undulatus (Thomas)*** (pp. 391-392); "A series of seven males and nine females taken near the rim of the Grand Canyon at Bright Angel represents this species. Two males and three females were taken July 29 to August 2, 1906, by Calvert, and the remainder September 11, 1907, by Hebard." ***Melanoplus aridus (Scudder)*** (pp. 396-397); "A very interesting series of this species was taken at localities in northern Arizona, a region from which it was previously not reported. [. . .] a series of fourteen males and eleven females from the riin of the Grand Canyon at Bright Angel, September 11, are very decidedly smaller than Scudder's measurements, some specimens being hardly more than half the size given by him. [. . .] at Grand Canyon it was the most abundant species of Orthoptera and was found everywhere in the undergrowth of the heavier pine woods." ***Melanoplus femur-nigrum Scudder*** (p. 397); "This little known species is represented by a series of two males and three

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

females taken September 11 at the rim of the Grand Canyon at Bright Angel.”  
**Melanoplus canonicus Scudder** (pp. 397-398); “A series of two males and seven females. taken September 12 along or near the Bright Angel Trail, Grand Canyon, represent this species. These specimens were taken at altitudes ranging from 4,850 to 6,800 feet, one female alone being from above an elevation of 5,800 feet. [. . .] In size there is considerable variation in the series, all being smaller than Scudder’s original measurements.” (“**Ecanthus niveus (DeGeer)**” (p. 402); “A single male of this species was taken near Bright Angel Trail, Grand Canyon, at an elevation of about 4,900 feet, September 12. (“**Ecanthus nigricornis Walker**” (p. 402); “A single male from the rim of the Grand Canyon at Bright Angel, September 11, is referred tentatively to this species.” [See also Rehn and Hebard (1912, [ITEM NO. 19.1386](#)) for lectotypifications of selected species.]

≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 8: page 4-25](#) |

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|------|---------|--|
| 1909 | 19.6211 | An orthopterological reconnaissance of the southwestern United States. Part III: California and Nevada. <i>Academy of Natural Sciences of Philadelphia, Proceedings</i> , 61(3) (October/December): 409-483. [See p. 409, <i>Trimerotropis inconspicua</i> Bruner, noting previous record at “Bright Angel, Grand Canyon”.]  |
| 1912 | 19.1386 | Fixation of single type (lectotypic) specimens of species of American Orthoptera. Section one. <i>Academy of Natural Sciences of Philadelphia, Proceedings</i> , 64: 60-128. [See: With reference to Scudder (1897, <a href="#">ITEM NO. 19.1446</a> ), <i>Melanoplus canonicus</i> (p. 85); with reference to Rehn and Hebard (1908, <a href="#">ITEM NO. 19.1385</a> ), <i>Parapomala perpallida</i> and <i>Amphitornus nanus</i> (p. 105); and with reference to Bruner (1904, <a href="#">ITEM NO. 19.372</a> ), <i>Syrbula modesta</i> (p. 110).] |
| 1914 | 19.6212 | Studies in American Tettigoniidae (Orthoptera) I and II. <i>American Entomological Society, Transactions</i> , 40(4) (December): 271-344, 9 plates. [See <i>Scudderia furcata furcifera</i> Scudder (pp. 304-307, Plate 10, figure 20); specimens examined include (p. 307) one female in the Hebard collection, collected July 11, 1892, “Grand Canyon of the Colorado, Arizona”.]  |

**Reich, Robin M.; Joy, Suzanne M.; AND Reynolds, Richard T.**

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| 2004 | 19.2485 | Predicting the location of northern goshawk nests: modeling the spatial dependency between nest locations and forest structure. <i>Ecological Modelling</i> , 176(1/2): 109-133. |
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**Reichman, O. J., AND Ruffner, George A.**

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| 1977 | 19.1388 | Life in a narrow world: Grand Canyon ecology. <i>Plateau</i> , 49(4): 18-23.<br>≡ <a href="#">CROSS-LISTINGS</a>   <a href="#">CITED» GCNHA Monograph 2: page 92</a>   <a href="#">CITED» GCNHA Monograph 8: page 4-25</a> |
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**Reid, H. L.**

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| 1994 | 19.1387 | Director H. L. Reid’s 1946 report to the Arizona Game Protective Association; from the files. <i>In</i> : Carr, John N. (collector), <i>It was a rough road! . . . and other Arizona Game and Fish stories</i> . Phoenix: Heart Track Publications, pp. 37-45. [Arizona Game and Fish Department anecdotes; ellipsis is part of title. See pp. 40-41, Kaibab deer.] |
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Reiger, George**

- 1989 19.3686 Why save endangered species? *Field and Stream*, 93(8) (January): 15, 17. [See p. 15, feral horses and burros suggested as food sources for reintroduced California condors.]
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**Reimondo, Evan L.**

- 2012 19.3688 *Ecological impacts and management implications of introduced bison in the Grand Canyon region*. Master's thesis, Northern Arizona University, 93 pp.

**Reimondo, Evan L.; Sisk, Thomas D.; AND Theimer, Tad**

- 2015 19.4796 Ecological impacts and management implications of introduced bison in the Grand Canyon region [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*, p. 177. [Abstract in advance of paper in press in Huenneke, Laura F., Riper, Charles van, III, and Hays-Gilpin, Kelley A. (eds.), *Proceedings of the Eleventh Biennial Conference of Research on the Colorado Plateau*.]
- 2015 19.5112 Effects of introduced bison on wetlands of the Kaibab Plateau, Arizona. *In*: Huenneke, Laura F., Riper, Charles van, III, and Hays-Gilpin, Kelley A. (eds.), *The Colorado Plateau VI : science and management at the landscape scale*. Tucson: University of Arizona Press. (11th Biennial Conference of Research on the Colorado Plateau.)
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**Reiner, Matt**

- 2001 19.3775 Matt Reiner: Lees Ferry Anglers employee. *In*: Henry, Alex S., Colorado's sightfishing mecca. *The Western Flyfisher*, (June): 14. [Quotation sidebar.]
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**Reinhard, H. J.**

- 1953 19.5493 New muscoid Diptera from the western United States. *Pan-Pacific Entomologist*, 29(1) (January): 49-59. [See *Fabriciella evanida*, new species; includes male paratype from "S. Grand Canyon, Ariz., August 17, 1949 (P. R. Fitzgerald)".]
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**Reinick, William R.**

- 1902 19.3806 [Feldman Collecting Social, November 20, 1901, Philadelphia.] *In*: Doings of Societies [SECTION]. *Entomological News* (Academy of Natural Sciences of Philadelphia, Entomological Section), 13(1) (January): 24-26. [NOTE: Running head in this issue gives date, "Jan. '92".] [See p. 25: "Mr. [E. A.] Schwarz spoke of the abundance of dragonflies in Arizona around the water which was obtained from artesian wells, and wherever there was a little pool of water it teemed with insect life. He stated that at the top of the Grand Canon the fauna was boreal and ended abruptly at the brink; at the bottom were large forests and a great deal of vegetation existed and the fauna was tropical. The dragonflies seemed to be the only insects flying from the bottom to the top of the canon, which is about forty miles wide and one mile deep." (ENTIRE NOTE, sic)] [NOTE: Collections were made by H. S. Barber on the South Rim by Bright Angel

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

Hotel and at Indian Garden only; for details see Rolla P. Currie (1903, [ITEM NO. 19.3196](#).)]

**Remmert, Hermann**

- 1991 19.6248 Das Mosaik-Zyklus-Konzept und seine Bedeutung für den Naturschutz: Eine Übersicht. *In*: Werner-Reimers-Stiftung (Veranstalter), *Das Mosaik-Zyklus-Konzept der Ökosysteme und seine Bedeutung für den Naturschutz : Symposium, 6.-9. September 1989, Bad Homburg*. [No place]: Bayerische Akademie für Naturschutz und Landschaftspflege, pp. 5-15. (Volume: *Laufener Seminarbeiträge 5/91*.) [See p. 12, brief note of soil acid reactions between tree species on the Kaibab Plateau.] [[In German](#).]

**Reveal, James L.**

- 1968 19.1389 *Eriogonum umbellatum* Torr. var. *cognatum* (Greene) Reveal (Polygonaceae), comb. nov. *Southwestern Naturalist*, 13(3): 357-359. [*Eriogonum umbellatum* var. *subaridum* S. Stokes is discussed, listing reference specimens in collections gathered from (among other places) House Rock Valley; near Big Saddle, Kaibab Plateau; 8 miles N.W. of Jacob Lake; summit of Mt. Emma, Uinkaret Plateau; North of Cane Beds; and Quartermaster Canyon.]  
≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-25|
- 1970 19.3424 A revision of Utah species of *Townsendia* (Compositae). *Great Basin Naturalist*, 30(1): 23-52. [Includes Grand Canyon-Parashant National Monument, Arizona.]
- 1974 19.2118 Two shrubby novelties in *Eriogonum* (Polygonaceae) from the deserts of Utah and Arizona. *Brittonia*, 26 (January/March): 90-94. [Includes *Eriogonum mortonianum* Reveal, new species (pp. 91-92), types from "along Arizona Hwy. 389, 4.5 mi SW of U.S. Hwy. 89A at Fredonia . . . and ca. 9 mi ENE of Pipe Springs".]
- 1974 19.3437 Two new varieties of *Eriogonum* (Polygonaceae) from the Intermountain Region. *Great Basin Naturalist*, 34(3): 245-246. [Includes *Eriogonum thompsonae* S. Wats. var. *atwoodii* Reveal, new variety (pp. 245-246), types from "Along Arizona Highway 389, 4.3 miles west of the junction of U.S. Highway 89A at Fredonia"; and *E. pharnaceoides* Torr. in Sitgr. var. *cervinum* Reveal, new variety (p. 246), non-type specimens in collections gathered at "Trumbull Mountain" (Mount Trumbull).]

**Reynolds, Hudson G.**

- 1966 19.3665 Slash cleanup in a ponderosa pine forest affects use by deer and cattle. *U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, Research Note RM-64*, 3 pp. [Big Springs working circle, Kaibab National Forest.]
- 1966 19.3667 Use of openings in spruce-fir forests of Arizona by elk, deer, and cattle. *U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, Research Note RM-66*, 4 pp. [Study areas include Kaibab Plateau.]



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Reynolds, Richard T., AND Joy, Suzanne M.**

- 1998 19.3049 *Distribution, territory occupancy, dispersal, and demography of northern goshawks on the Kaibab Plateau, Arizona. Final report for Arizona Game and Fish Heritage Project No. 194045.* U.S. Forest Service, Rocky Mountain Research Station, 58 [76] pp.
- 2006 19.4191 Demography of northern goshawks in northern Arizona, 1991-1996. *In:* Morrison, Michael L. (ed.), *The northern goshawk: A technical assessment of its status, ecology, and management. Studies in Avian Biology*, (31): 63-74. [Abstract also in Spanish.]

**Reynolds, Richard T.; Graham, Russell T.; Reiser, M. Hildegard; Bassett, Richard L.; Kennedy, Patricia L.; Boyce, Douglas A., Jr.; Goodwin, Greg; Smith, Randall; AND Fisher, E. Leon**

- 1991 19.3672 *Management recommendations for the northern goshawk in the southwestern United States.* U.S. Forest Service, Southwestern Region, 184 pp. [Includes Kaibab Plateau.]
- 1992 19.3730 *Management recommendations for the northern goshawk in the southwestern United States.* U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-217, 90 pp.

**Reynolds, Richard T.; Joy, Suzanne M.; AND Leslie, Douglas G.**

- 1994 19.2298 Nest productivity, fidelity, and spacing of northern goshawks in Arizona. *Studies in Avian Biology*, 16(23 November): 106-113.

**Reynolds, Richard T.; Lambert, Jeffrey S.; Flather, Curtis H.; White, Gary C.; Bird, Benjamin J.; Baggett, L. Scott; Lambert, Carrie; AND Volo, Shelley Bayard de**

- 2017 19.5951 Long-term demography of the northern goshawk in a variable environment. *Wildlife Monographs*, (197), 40 pp. [Study area on Kaibab Plateau, 1991-2010.] [With abstracts also in Spanish and French.]
- 2017 19.6995 Northern goshawks: A 20 year study of ecology and habitat on the Kaibab Plateau. *Science You Can Use (in 5 minutes)* (U.S. Forest Service, Rocky Mountain Research Center), (July), 2 pp. [Not signed, but is a synopsis of the report by Reynolds *et al.* (2017, ITEM NO. 19.5951).]

**Reynolds, Richard T.; Lambert, Jeffrey S.; Kay, Shannon L.; Sanderlin, Jamie S.; AND Bird, Benjamin J.**

- 2019 19.6198 Factors affecting lifetime reproduction, long-term territory-specific reproduction, and estimation of habitat quality in northern goshawks. *PLoS One*, 14(5): e0215841 + Supporting Information online, <https://doi.org/10.1371/journal.pone.0215841>, 50 pp. + data available from U.S. Forest Service Research Data Archive, <https://doi.org/10.2737/RDS-2019-0014> ("Individual and environmental factors affecting lifetime reproduction and long-term (summed across sequential breeders) territory-specific reproduction by northern goshawks (*Accipiter gentilis*) in northern Arizona, USA"). [Study area comprises the entire Kaibab Plateau above 2182 m above sea level.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Reynolds, Richard T.; Lambert, Carrie M. E.; Lambert, Jeffrey S.; Coffey, Alison B.; Seyfried, John C.; Wiens, John D.; AND Salafsky, Susan R.**

- 2010 19.4247 The complex relationship between northern goshawks (*Accipiter gentilis*) and their habitats on the Kaibab Plateau, Arizona [ABSTRACT]. *In: Raptors in a Changing World : Raptor Research Foundation, 2010 Annual Meeting, Program and Abstracts, Fort Collins, Colorado, September 22-26, 2010*, p. 91.

**Reynolds, Richard T.; Sánchez Meador, Andrew J.; Youtz, James A.; Nicolet, Tessa; Matonis, Megan S.; Jackson, Patrick L.; DeLorenzo, Donald G.; AND Graves, Andrew D.**

- 2013 19.4493 Restoring composition and structure in southwestern frequent-fire forests: A science-based framework for improving ecosystem resiliency. *U.S. Forest Service, Rocky Mountain Research Station, General Technical Report RMRS-GTR-310*, 76 pp.

**Reynolds, Richard T.; White, Gary C.; Joy, Suzanne M.; AND Mannan, R. William**

- 2004 19.2486 Effects of radiotransmitters on northern goshawks: Do tailmounts lower survival of breeding males? *Journal of Wildlife Management*, 68(1): 25-32.

**Rhodes, Jay** [Rhodes, John J., III]; **Melis, Ted** [Melis, Theodore S.]; **Hawes, Taylor; Gillion, Kara; Culp, Peter; AND Swett, John**

- 2010 19.6570 Balancing the Colorado River's Ecosystem and Water Delivery System [PANEL]. (Jay Rhodes, moderator.) *In: Colorado River Symposium : The Colorado River: Building a Sustainable Future*. Sacramento, California: Water Education Foundation, pp. 108-119. [Panelists are listed in the order in which they first speak; their remarks interject thereafter.] [Volume information: Sue McClurg, ed.; transcript by Gateway Secretarial Services. Cover title: *September 16-18, 2009 : Colorado River Project : symposium proceedings : a project of the Water Education Foundation*. Spine title: *Colorado River Project Symposium : 2009*.]

**Rhodes, Olin E., Jr.; Reat, Erin P.; Heffelfinger, James R.; AND deVos, James C., Jr.**

- 2000 19.3516 Analysis of reintroduced pronghorn populations in Arizona using mitochondrial DNA markers. *In: Cancino, Jorge (ed.), Proceedings of the Nineteenth Biennial Pronghorn Antelope Workshop, 2001 [sic]*. Hosted by: *Centro de Investigaciones Biológicas del Noroeste, S. C., La Paz, Baja California Sur, México*. March 14-17, 2000, pp. 45-54. [Cover title. Title-page gives dates of workshop as March 13-17, 2000.]

**Rhodes, Olin E., Jr.; Williams, Rod N.; Heffelfinger, James R.; Page, Laura K.; Reat, Erin P.; AND deVos, James C., Jr.**

- 1999 19.5256 Genetic variation in pronghorn from Arizona. *In: Ockenfels, Richard A. (ed.), Proceedings of the 18th Biennial Pronghorn Antelope Workshop*, pp. 53-63. [Study areas include both sides of Grand Canyon, excluding the Hualapai Indian Reservation.]

**Rhodes, S. L., AND Ayers, T. J.**

- 2010 19.4927 Two new taxa of *Scutellaria* Section *Resinosa* (Lamiaceae) from northern Arizona. *Botanical Research Institute of Texas, Journal*, 4(1): 19-26. [Includes *S. potosina* var. *kaibabensis* S. Rhodes & T. Ayers, new variety, from "East rim of the Kaibab Plateau,

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

North Canyon Trail #4, 36°25'04"N 112°04'17"W (NAD 27), 2133 m (7000 ft), 9 Jul 1998, *Suzanne Rhodes 9811 with Tina Ayes* (holotype ASC; isotypes: ARIZ, ASU)." and "Paratype: U.S.A. Arizona. Coconino Co.: Kaibab Plateau, East Rim View Point along Trail #7 ca. 2¼ mi down from trailhead, in North Canyon; 36°25'18"N, 112°04'22"W, 2133 m (7000 ft); 1 Jul 1993, *W. Hodgson 7334* (DES, ASU)."]

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**Ribaut, Jean-Pierre**

1968 19.6939 Conservation de la nature et recherche scientifique. *Société Vaudoise des Sciences Naturelles, Mémoires*, 14(6)(90): 233-258. [See p. 249, remark concerning the eradication of predators on the Kaibab Plateau and the deer irruption.] [In French.]

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**Ribbens, Richard W., AND Wilson, Robert F.**

1973 19.6447 *Application of a river network model to water quality investigations for the Colorado River*. Denver: U.S. Bureau of Reclamation, Engineering and Research Center, SEPARATELY PAGINATED SECTIONS [250 pp. total]. [Water flow and salinity studies.]

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**Ribble, D. W.**

1974 19.5282 A revision of the bees of the genus *Andrena* of the western hemisphere; subgenus *Scaphandrena*. *American Entomological Society, Transactions*, 100(2) (June): 101-189. [See pp. 160-161, *Andrena (Scaphandrena) kaibabensis*, new species; holotype female and three female paratypes (at UCD) "collected on the North Rim of Grand Canyon National Park, June 21, 1949, by W. H. Lang. One female paratype (AMNH) was collected 20 miles south of Jacob Lake, Arizona, June 19, 1958, by W. J. and J. W. Gertsch."]

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**Ricci, Jean-Claude**

1995 19.4027 Les principes de la cynégétique en forêt. *Forêt Méditerranéenne* (Association Forêt Méditerranéenne, Aix-en-Provence, France), 16(3) (July): 211-226. [See p. 212, note on Kaibab deer herd.] [In French; with abstracts also in English and Spanish.]

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**Rice, Gillian**

2010 19.4962 Grand Canyon's green heart. *The Cactus Wren-dition* (Maricopa Audubon Society, Phoenix), 51(3) (Fall): 11-12. [Artwork exhibit at Grand Canyon, "Grand Canyon's Green Heart: The Unsung Legacy of Plants".]

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**Rice, James**

2013 19.4404 Controlled flooding in the Grand Canyon; drifting between instrumental and ecological rationality in water management. *Organization and Environment*, 26(4) (December): 412-430.

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Rice, Will**

- 2020 19.6748 Wrestling with the paradox: Social science in the national parks. *Ranger* (Association of National Park Rangers, Journal), 36(2) (Spring): 8-9. [Regarding visitor experiences and education pertaining to the restoration of environmental conditions. Item is illustrated with a photo, "The balance between visitor enjoyment and preservation remains complex, as shown in this trampled area in Grand Canyon National Park, Arizona." View is apparently at Cedar Ridge, South Kaibab Trail.]

**Rich, Steven H.**

- 2006 19.4950 Bless the beasts and the children. Is "nothing" sacred? *Range Magazine*, (Spring): 40-43. [See pp. 40-41, remarks on bison in Grand Canyon National Park.]
- 2007 19.2983 Playing with fire; with no scientific feedback process Forest Service firebugs in Grand Canyon country are stuck on stupid. *Range Magazine*, (Winter): 46-49.
- 2008 19.5720 Don't point the finger, point the way; opportunity for Grand Canyon Trust. *Range Magazine*, (Winter): 48-51.

**Richards, Merton T., AND Wood, D. Brent**

- 1985 19.5939 The economic value of sportfishing at Lees Ferry, Arizona. *In*: Johnson, R. Roy, Ziebell, C. D., Paton, D. R., Ffolliott, P. F. and Hamre, R. H. (eds.), Riparian ecosystems and their management; reconciling conflicting uses; Proceedings of the First North American Riparian Conference, April 16-18, 1985, Tucson, Arizona. *U.S. Forest Service, General Technical Report 120*, pp. 219-222.

**Richardson, C. H., Jr.**

- 1912 19.3568 The distribution of *Hyla arenicolor* Cope, with notes on its habits and variation. *American Naturalist*, 46 (October): 605-611. [Canyon tree frog. Grand Canyon, pp. 607-608.]

**Richardson, Frank**

- 1938 19.1390 Red crossbills feeding on juniper galls. *In*: From Field and Study [SECTION]. *The Condor*, 40(6) (November/December): 257. [Grand Canyon Village.]  
 ≡ [CROSS-LISTINGS](#) [\[CITED» GCNHA Monograph 8: page 4-42\]](#)

**Richardson, Leonard**

- 1984 19.1391 Oreohelicidae: Catalog of species. *Tryonia* (Academy of Natural Sciences of Philadelphia, Department of Malacology, Miscellaneous Publications), (10), 30 pp.

**Richardson, Toney**

- 1947 19.4133 Trees that died of fear! *Desert Magazine*, 10(5) (March): 19-21. ["Here is an unsolved mystery of the Navajo country—a 1000-acre forest of juniper that suddenly

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

withered and lost its foliage. But the Indians have an explanation which satisfies them—the trees died of fear.” Kaibito Plateau near the Colorado River upstream from Lees Ferry. Also a similar area nearby containing “dwarf trees”. Causes of death are undetermined.] [See also in June issue, (8): 35-36, letters from Lee Thomas and Selma Braem (ITEM NOS. 19.4134, 19.4135).]

**Richmond, Al**

2015 19.4829 Visit with Emma Williams, GCHS scholarship winner, at the University of Arizona Tree Ring Lab. *The Bulletin* (Grand Canyon Historical Society), 19(3) (May/June): 2. [Informational notice only, with two photos including, “Emma and Rich with a Grand Canyon Ponderosa core that shows the cause of the demise . . . bark beetles.” (ellipsis is part of legend)]

**Richter, C. A.; Hinck, J. E.; Thompson, N.; AND Klymus, K. E.**

2017 19.5859 Environmental DNA methods for inference of species presence and abundance [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. 139. [Grand Canyon watershed.]

**Richter, Ivana, AND Richter, Oswald**

1997 19.6190 Besøg på plantebiotoper i Sydvest-USA. III.—Nord-Arizona. *Kaktus og andre Sukkulenter* (Nordisk Kaktus Selskab), 32(1) (January): 8-10. [Cacti field trip. Includes Grand Canyon (south and north rims), Kaibab Plateau, and Fredonia.] [In Danish.]

**Ricketson, Jon**

2001 19.2030 Sparganiaceae bur-reed family. *In: A new flora for Arizona in preparation. Arizona-Nevada Academy of Science, Journal*, 33(1): 65-68.

2001 19.2031 Typhaceae cattail family. *In: A new flora for Arizona in preparation. Arizona-Nevada Academy of Science, Journal*, 33(1): 69-72.

**Riddering, Erin**

2005 19.3895 House Rock Ranch antelope transplant . . . Arizona gets pronghorn from Utah. *Pronghorn* (Arizona Antelope Foundation), 11(1) (Winter): 15. [Ellipsis is part of title.]

**Riddle, Brett R., AND Honeycutt, Rodney L.**

1990 19.2119 Historical biogeography in North American arid regions: An approach using mitochondrial-DNA phylogeny in grasshopper mice (genus *Onychomys*). *Evolution*, 44(1) (February): 1-15.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Rideout, B. A.; Salis, I.; Papendick, R.; Pessier, A.; Puschner, B.; Finkelstein, M. E.; Smith, D. R.; Johnson, M.; Mace, M.; Stroud, R.; Brandt, J.; Burnett, J.; Parish, C.; Petterson, J.; Witte, C.; Stringfield, C.; Orr, K.; Zuba, J.; Wallace, M.; Grantham, J.**

2012 19.3644 Patterns of mortality in free-ranging California condors (*Gymnogyps californianus*). *Journal of Wildlife Diseases*, 48(1): 95-112.

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**Ridgway, Robert**

1891 19.3807 The hummingbirds. *Annual report of the Board of Regents of the Smithsonian Institution, showing the operations, expenditures, and condition of the institution for the year ending June 30, 1890. Report of the U.S. National Museum*. Washington, D.C.: U.S. Government Printing Office, pp. 253-383. [See "Broad-tailed Humming Bird. *Selasphorus platycercus* (Swains.)", pp. 350-354, including p. 354, "They were found also at the Grand Cañon of the Colorado, September 12 to 15." (ENTIRE NOTE, citing *North American Fauna*, no. 3 [*i.e.*, Merriam (1890, ITEM NO. 19.1146)])]

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**Riesenberg, Mindy**

2020 19.6439 Humans and elk; learning to live with each other. *Canyon Views* (Grand Canyon Conservancy), 27(1) (Spring/Summer): 14-15.

2020 19.6515 Bringing monarch butterflies back from the brink. *Canyon Views* (Grand Canyon Conservancy), 27(2) (Fall/Winter): 18-21.

2020 19.6517 Buffalo or "beefalo?" Surprising bison genetic results. *Canyon Views* (Grand Canyon Conservancy), 27(2) (Fall/Winter): 28-29.

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**Riffey, Meribeth**

1989 19.1392 Natural history. *In*: Belknap, Buzz, and Evans, Loie Belknap, *Grand Canyon river guide*. Evergreen, Colorado: Westwater Books, pp. 76-89.  
 ≡ CROSS-LISTINGS [CITED» GCNHA Monograph 8: page 4-25]

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**Rigby, Elizabeth**

1956 19.4235 The elusive hop hornbeam. *Desert Magazine*, 19(5) (May): 22-23. [Knowlton's hop-hornbeam.]

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**Rigge, Matthew; Homer, Collin; Cleaves, Lauren; Meyer, Debra K.; Bunde, Brett; Shi, Hua; Xian, George; Schell; Spencer; AND Bobo, Matthew**

2020 19.6485 Quantifying western U.S. rangelands as fractional components with multi-resolution remote sensing and in situ data. *Remote Sensing* (MDPI: Multidisciplinary Digital Publishing Institute, Basel, Switzerland), 12(412), doi:10.3390/rs12030412, 26 pp. + Supplementary Materials online, <http://www.mdpi.com/2072-4292/12/3/412/s1>, 2 pp.

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Rink, Glenn R.**

- 2000 19.1970 Pediocactus in peril. *Boatman's Quarterly Review*, 13(2) (Spring): 42.
- 2010 19.3123 Bison on the Kaibab. *Canyon Views* (Grand Canyon Association), 16(1) (Spring): 7-8.
- 2020 19.6562 History of bison on the Kaibab Plateau. *In*: Quartaroli, Richard D. (compiler, ed.), *Celebrating 100 years of Grand Canyon National Park, February 2019 : a gathering of Grand Canyon historians : ideas, arguments, and first-person accounts*. Grand Canyon, Arizona: Grand Canyon Association [and Grand Canyon Historical Society], pp. 17-20.
- 2021 19.6948 Vascular Plants of Arizona Project: Update on *Penstemons* of Arizona. *Plant Press Arizona* (Arizona Native Plant Society), 44(1) (Spring/Summer): 17-19. [Kaibab Plateau noted pp. 17, 18].]

**Rink, Glenn R., AND Hodgson, Wendy**

- 2009 19.2923 On the hunt for plants with GCFI. *Canyon Views* (Grand Canyon Association), 15(1) (Spring): 8. [Grand Canyon Field Institute.]

**Rink, Glenn R., AND Licher, Max**

- 2013 19.4118 New ideas about rarity of *Carex* species of Arizona. *The Plant Press* (Arizona Native Plant Society), 36(2) (Fall): 16-17, 19. [Includes *Carex curatorum* in Grand Canyon (p. 16) and *C. aquatilis* from Bear Lake, Kaibab Plateau (p. 17).]
- 2015 19.5295 Cyperaceae sedge family. Part 1: Family description, key to the genera, and *Carex* L. *Canotia*, 11: 1-97.

**Rink, Glenn R.; Hodgson, Wendy; AND Phillips, Barbara Goodrich**

- 2020 19.6584 Checklist of the vascular flora of the Kaibab Plateau, Coconino County, Arizona. *Monographs of the Western North American Naturalist*, 12: 1-52.

**Ring, Ray**

- 2006 19.2613 Tiny stream invaders may harm Western trout; researchers tackle a problem likely to be spread by hatcheries and anglers. *High Country News*, 38(2) (February 6): 4. [New Zealand mud snails.]

**Rinne, John M.**

- 1993 19.6669 A wildlife viewpoint. Southwestern riparian-stream areas: Habitats for fishes. *In*: Tellman, Barbara, Cortner, Hanna J., Wallace, Mary G., DeBano, Leonard F., and Hamre, R. H. (Technical Coordinators), *Riparian Management: Common Threads and Shared Interests*, a western regional conference on river management strategies, February 4-6, 1993, Albuquerque, New Mexico. *U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-226*, pp. 46-51.

**Rinne, John M., AND Minckley, W. L.**

- 1970 19.4937 Native Arizona fishes; Part III, "Chubs". *Arizona Wildlife Views*, 17(5): 12-19.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**Riper, Charles van, III**

- 2014 19.5486 Migration in your backyard; the role of habitat patches and plant phenology on bird stop-over habitat within Tucson and other areas of southwestern North America. *The Vermilion Flycatcher* (Tucson Audubon Society), (April/June): 16-17.

**Riper, Charles van, III, AND Sogge, Mark**

- 2004 19.2462 Bald eagle abundance and relationships to prey base and human activity along the Colorado River in Grand Canyon National Park, Arizona. *In*: Riper, Charles van, III, and Cole, Kenneth L. (eds.), *The Colorado Plateau : cultural, biological, and physical research*. Tucson: University of Arizona Press, pp. 163-185. (Sixth Biennial Conference of Research on the Colorado Plateau.)
- 2015 19.4768 Bald eagle abundance and relationships to prey base and human activity along the Colorado River in Grand Canyon National Park, Arizona [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. 71-72.

**Riper, Charles van, III; Crow, Claire; AND Darra, Abigail**

- 2013 19.5449 Avian community responses to fuel reduction treatments in pinyon-juniper woodlands on the Colorado Plateau [ABSTRACT]. *In*: *12th Biennial Conference of Science and Management on the Colorado Plateau, September 16-19, 2013, Northern Arizona University, Flagstaff, Arizona : program and abstracts of presented papers and posters*. [Flagstaff, Arizona: Northern Arizona University], pp. 121-122.

**Riper, Charles van, III; Hatten, James R.; Giermakowski, J. Tom; Mattson, David; Holmes, Jennifer A.; Johnson, Matthew J.; Nowak, Erika M.; Ironside, Kirsten; Peters, Michael; Heinrich, Paul; Cole, Kenneth L.; Truettner, Charles; AND Schwalbe, Cecil R.**

- 2014 19.5695 Projecting climate effects on birds and reptiles of the southwestern United States. *U.S. Geological Survey, Open-File Report 2014-1050*, 100 pp.

**Riper, Charles van, III; Sogge, Mark K.; AND Paxton, Eben H.**

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**Riper, Charles van, III; Sogge, Mark K.; AND Tibbits, Timothy T.**

- 1995 19.5485 Wintering bald eagles along the Colorado River corridor. *In*: LaRoe, Edward T., Farris, Gaye S., Puckett, Catherine E., Doran, Peter D., and Mac, Michael J. (eds.), *Our living resources : a report to the nation on the distribution, abundance, and health of U.S. plants, animals, and ecosystems*. Washington, D.C.: U.S. Department of the Interior, National Biological Service, pp. 328-330. [Principally regarding studies at Nankoweap, Grand Canyon.]



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**Ritchie, Kathy**

2013 19.3735 Fly fisherwoman; Natalie Jensen, Marble Canyon. *Arizona Highways*, 89(1) (January): 10-11.

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**Ritter, Ernest W.**

NO DATE 19.2395 *The canyon of midget horses*. Pasadena, California: Ernest W. Ritter, [7] pp. [including wraps]. [Ca. 1940-1950.] [Supposed "miniature horses" of Havasu Canyon.]

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**Ritter, Trevor**

2012 19.6104 Making a grand difference. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 48(3) (Summer): 16. [Volunteers participating in the restoration of native plant communities at the Grand Canyon Visitor Center, South Rim.]

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**Robb, Bob**

2016 19.5937 DIY on the Kaibab; the quest for oversized muley bucks is never ending. *Successful Hunter* (Prescott, Arizona), 14(5) (September/October): cover, 34-39. [Cover tease reads, "DIY Kaibab Late-Season Success".] [Do-it-yourself (unguided) hunting of mule deer. May refer to undefined district of Kaibab National Forest.]

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**Roberts, Nancy**

1983 19.6972 *Introduction to computer simulation : the system dynamics approach*. Reading, Massachusetts: Addison-Wesley, 562 pp. [See Chapter 18, "Modeling the Ecology of the Kaibab Plateau" (pp. 337-352). Four models.]

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**Roberts, Roland P.; Urbatsch, Lowell E.; AND Anderson, John**

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**Robinson, Anthony T.**

- 1993 19.1393 The feeding behavior and ecology of young-of-the-year native fish in the Little Colorado River of the Grand Canyon [ABSTRACT]. *Desert Fishes Council, Proceedings*, 24: 39. [In English and Spanish.]

**Robinson, Anthony T., AND Childs, Michael R.**

- 2001 19.2248 Juvenile growth of native fishes in the Little Colorado River and in a thermally modified portion of the Colorado River. *North American Journal of Fisheries Management*, 21(4): 809-815.
- 2001 19.5228 Juvenile growth of native fishes in the Little Colorado River and in a thermally modified portion of the Colorado River [ABSTRACT]. *In*: Forty fifth Annual Meeting, April 14, 2001, University of Nevada, Las Vegas, Las Vegas, Nevada. *Arizona-Nevada Academy of Science, Proceedings*, 36: 27-28. [Grand Canyon.]
- 2001 19.2893 Juvenile growth of native fishes in the Little Colorado River: Implications for thermal modification of the Colorado River [ABSTRACT]. *Desert Fishes Council, Proceedings*, 32: 55. [Also in Spanish.]

**Robinson, Anthony T.; Clarkson, Robert W.; AND Forrest, Robert E.**

- 1996 19.1394 *Spatio-temporal distribution, habitat use, and drift of early life stage native fishes in the Little Colorado River, Grand Canyon, Arizona, 1991-1994 : final report.* Phoenix: Arizona Game and Fish Department, for U.S. Bureau of Reclamation, Upper Colorado Region, Glen Canyon Environmental Studies, Flagstaff, Arizona, 69 pp.
- 1998 19.3141 Dispersal of larval fishes in a regulated river tributary. *American Fisheries Society, Transactions*, 127: 722-786.

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- 1995 19.1395 *Limnology and the distributions of native fishes in the Little Colorado River, Grand Canyon, Arizona : final report: October 1995.* U.S. Bureau of Reclamation, Glen Canyon Environmental Studies, Cooperative Agreement 9-FC-40-07940, 31 pp.

**Robinson, Anthony T.; Kubly, Dennis M.; Clarkson, Robert W.; AND Creef, Edward D.**

- 1996 19.1396 Factors limiting the distributions of native fishes in the Little Colorado River, Grand Canyon, Arizona. *Southwestern Naturalist*, 41(4): 378-387.
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**Robinson, Benjamin Lincoln**

- 1899 19.4564 Three new Choripetalae from North America and Mexico. *Botanical Gazette*, 28(2) (August): 134-136. [See *Silene rectiramea*, new species (p. 134); "Collected by

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

Professor D. T. MacDougal about the Grand Cañon of the Colorado in Arizona, altitude 2150<sup>m</sup>, 28 June, 1898, no. 181. Type in herb. Gray.”]

- 1917 19.3248 A monograph of the genus *Brickellia*. *Gray Herbarium of Harvard University, Memoirs*, 1, 151 pp. [Descriptions are in botanical Latin. See ***B. longifolia* Wats.** (p. 32), “ARIZONA: in Grand Cañon, Bishop (hb. Jns.); secundum rivulum Shinamo prope Grand Cañon, Pilsbry (hb. Phil.)” [transl. ‘along the Shinamo River near Grand Canyon, Pilsbry (herbarium Philadelphia)’—this was gathered by Henry Pilsbry along Shinumo Creek, in 1906]; ***B. coulteri* Gray** (pp. 60-61), “ARIZONA: . . . in faucibus giganteis Grand Cañon dictis, Gray (hb. Gray.)” [transl. ‘in the gigantic gorges named Grand Cañon’—this was collected by Asa Gray, thus probably his 1885 visit to Peach Springs Wash and Diamond Creek, and in the Gray herbarium]; ***B. atractyloides* Gray** (p. 101), “ARIZONA: faucibus giganteis ‘Grand Cañon’ anglice dictis, Gray, sine numero (hb. Gray.); ad ostia rivuli anglice Bright Angel nominati, *E. W. Nelson*, n. 124 (hb. U.S.); ad Peach Spring, Jones (hb. Jns.) [transl. ‘the gigantic gorges called in English “Grand Cañon”—this was collected by Asa Gray, without number, thus probably his May 1885 visit to Peach Springs Wash and Diamond Creek, and in the Gray herbarium] and “at the mouth of the stream called in English Bright Angel, collected by E. W. Nelson, no. 124, in the U.S. National Herbarium], and Peach Spring, collected by Marcus E. Jones and in the Jones herbarium.]

**Robinson, Benjamin Lincoln, AND Fernald, M. L.**

- 1894 19.2806 Contributions from the Gray Herbarium of Harvard University, New Series, No. VIII. New plants collected by Messrs. C. V. Hartman and C. E. Lloyd upon an archaeological expedition to northwestern Mexico under the direction of Dr. Carl Lumholtz. *American Academy of Arts and Sciences, Proceedings*, 30: 114-123. [See p. 114: *Crossosoma parviflora*, “Collected in the Grand Cañon of the Colorado, by Dr. Gray, February to May, 1885, but referred to *Glossopetalon Nevadense*, Gray”. (This was gathered by Asa Gray during his May 1885 visit to Peach Springs Wash and Diamond Creek.)]

**Robinson, Benjamin Lincoln, and Greenman, Jesse More**

- 1895 19.6943 Contributions from the Gray Herbarium of Harvard University, New Series, No. IX. *American Journal of Science*, Series 3, 50 [Whole Number, 150(296)] (August): 135-176. [See under “Miscellaneous New Species”, p. 176, *Laphamia toumeyii*, new species, “Collected by Prof. J. W. Toumey, in the Grand Cañon, 12 July, 1892 (No. 645).”

**Robinson, C. T.; Melis, T. S.; Kennedy, T. A.; Korman, J.; AND Ortlepp, J.**

- 2013 19.4550 Adaptive flow management in regulated rivers: Successes and challenges [ABSTRACT]. *American Geophysical Union, 2013 Fall Meeting, San Francisco, California, 9-13 December*, Abstract H23J-01. [Colorado River in Grand Canyon and River Spöl in Switzerland.]

**Robinson, David**

- 2015 19.4872 Restoring and maintaining resiliency within the fire adapted ponderosa pine ecosystem at Grand Canyon National Park [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 72.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Robinson, David; Bunn, Windy; AND Gdula, Eric**

- 2013 19.5441 Burning mixed conifer forests in Grand Canyon National Park: Lessons learned and initial plot results [ABSTRACT]. *In: 12th Biennial Conference of Science and Management on the Colorado Plateau, September 16-19, 2013, Northern Arizona University, Flagstaff, Arizona : program and abstracts of presented papers and posters.* [Flagstaff, Arizona: Northern Arizona University], p. 107.

**Robinson, Donald C. E., AND Geils, Brian W.**

- 2006 19.3054 Modelling dwarf mistletoe at three scales: life history, ballistics and contagion. *Ecological Modelling*, 199: 23-38. ["We illustrate application of the model to a dense-canopy, old growth, western hemlock (*Tsuga heterophylla*) stand at the Wind River Canopy Crane, Washington, USA (WRCC) and to two, open-canopy, regenerating, ponderosa pine stands near the south rim of the Grand Canyon, Arizona, USA (GC)."]

**Robinson, Harold**

- 1967 19.5947 New species of Dolichopodidae from the United States and Mexico (Diptera). *Entomological Society of Washington, Proceedings* (Washington, D.C.), 69(2) (June): 114-127. [Includes *Chrysotimus arizonicus*, new species (p. 125, figure 29 [p. 118]); holotype, allotype, and paratype from "Grand Canyon National Park (north rim)".]

**Robinson, Michael**

- 1994 19.5824 Putting the teeth back in the Southwest: The return of the big mammalian predators. *Wild Forest Review* (Portland, Oregon), 1(9) (September/October): 37-40. [See under "Jaguars" (p. 40), brief remarks on historical records at Grand Canyon.]

**Robinson, R. L.**

- 1924 19.4943 Notes on North American forests. *United Kingdom, Forestry Commission, Journal*, (3) (February): 23-26. [See under "Douglas Fir" the remark (p. 25): "The only place where I encountered the blue Douglas was on the precipitous slopes of the Grand Canyon of the Colorado River in Arizona (6,500 feet elevation)."] (ENTIRE NOTE)]

**Robinson, Thomas W.**

- 1965 19.1397 Introduction, spread, and areal extent of saltcedar (*Tamarix*) in the western states. *U.S. Geological Survey, Professional Paper 491-A*, 12 pp.  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 2: page 92](#) | [CITED» GCNHA Monograph 8: page 4-25](#) | [FQ12:583](#)

**Roccaforte, John P.; Fulé, Peter Z.; AND Covington, W. Wallace**

- 2010 19.4096 Monitoring landscape-scale ponderosa pine restoration treatment implementation and effectiveness. *Restoration Ecology*, 18(6): 820-833. [Study area in the Mount Trumbull-Mount Logan area.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**Rocky Mountain Ark Wildlife Center**

- 2000 19.3898 Splash in the Grand Canyon. *The River Otter Journal* (The River Otter Alliance, Englewood, Colorado), 9(2) (Autumn): 3. [NOTE: "Splash" is a river otter "in training" for a possible reintroduction of river otters to the Colorado River in Grand Canyon.]

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**Rodríguez Robles, Javier A.; Good, David A.; AND Wake, David B.**

- 2003 19.2933 Brief history of herpetology in the Museum of Vertebrate Zoology, University of California, Berkeley, with a list of type specimens of Recent amphibians and reptiles. *University of California Publications in Zoology, Volume 131*, 119 pp. [See p. 61, *Sonora semiannulata gloydi* Stickel, from Bright Angel Trail.]

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**Roeder, Wilfried "Fred"**

- 2016 19.5931 Some part of myself. *The American Surveyor*, 13(6) (July): 16-20. [Autobiographical sketch; includes notes and photo of forestry work on Kaibab Plateau.]

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**Rogers, Julia Ellen**

- 1913 19.3278 *The shell book : a popular guide to a knowledge of the families of living mollusks, and an aid to the identification of shells native and foreign.* Garden City, New York: Doubleday, Page and Co., 485 pp. [See p. 268, "*E. Coloradoensis*, Strns. [*Epiphragmophora coloradoensis* Stearns], is low-spined, fragile and pale, with a narrow red band. The mouth is large. It was found at a high elevation near the Grand Cañon of the Colorado. Diameter,  $\frac{3}{4}$  inch." (ENTIRE NOTE)]

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**Rogers, Mark**

- 2008 19.4277 Mark Rogers, Ph.D.[.] (2007). *In*: Colorado River fisheries: Summer field experiences of FAS graduate students. *WaterWorks* (University of Florida, Institute of Food and Agricultural Sciences, Department of Fisheries and Aquatic Sciences), (January): 2.

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**Rogers, Roland Scott** [Rogers, R. Scott; Rogers, Roland S.]

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- 2005 19.2570 Electrofishing in the Grand Canyon, 2000-2005, status and trends [ABSTRACT]. *In*: *Colorado River Ecosystem Science Symposium 2005. Abstracts. October 25-27, 2005, Fiesta Inn Resort, 2100 South Priest Drive, Tempe, AZ.* [Flagstaff, Arizona]: [U.S. Geological Survey, Grand Canyon Monitoring and Research Center], p. 69.

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- 2008 19.2770 Changes in the Grand Canyon flannelmouth sucker population during a period of reduced salmonid densities and warmer water temperatures [ABSTRACT]. *In: Colorado River Basin Science and Resource Management Symposium 2008. Coming together: Coordination of science and restoration activities for the Colorado River ecosystem : abstracts : November 18-20, 2008, Doubletree Resort Hotel, Scottsdale, Arizona.* [No imprint], p. 45.

**Rogers, R. Scott, AND Hamill, John F.**

- 2015 19.48733 Management of a tailwater trout fishery downstream of Glen Canyon Dam [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts,* p. 73.

**Rogers, R. Scott, AND Makinster, Andy**

- 2008 19.2985 Grand Canyon salmonid monitoring; a case study in sampling design [ABSTRACT]. *American Fisheries Society, Western Division, 2008 Abstracts, Portland, OR, May 5-9, 2008,* p. 491.

**Rogers, R. Scott; Hurteau, Sarah R.; Makinster, Andrew S.; AND Persons, William R.**

- 2008 19.2766 Preliminary results of rainbow trout movement during the 2008 high flow experiment [ABSTRACT]. *In: Colorado River Basin Science and Resource Management Symposium 2008. Coming together: Coordination of science and restoration activities for the Colorado River ecosystem : abstracts : November 18-20, 2008, Doubletree Resort Hotel, Scottsdale, Arizona.* [No imprint], pp. 42-43.

**Rogers, R. Scott; McKinney, Ted; AND Ayers, Andrew D.**

- 1997 19.1398 Experimental flooding and rainbow trout in the tailwater of a regulated river. *American Fisheries Society, 127th Annual Meeting, "Fisheries at Interfaces: Habitats, Disciplines, Cultures", 24-28 August 1997, Monterey, California, Abstracts: L-Z,* pp. 54-55.

**Rogers, Roland S.; Persons, William R.; AND McKinney, Ted**

- 2003 19.3150 *Effects of a 31,000-cfs spike flow and low steady flow on benthic biomass and drift composition in the Lees Ferry tailwater.* Flagstaff: Arizona Game and Fish Department, Cooperative Agreement 1425-98-FC-40-22690 (mod3).

**Rogers, Roland S.; Persons, William R.; AND Speas, David W.**

- 2001 19.2063 Effect of the 31,000-cfs spike flows and low steady flows on drift and benthic mass and composition in the Lees Ferry reach, Colorado River [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2001 : Little America Hotel, Flagstaff, Arizona, April 26 and 27, 2001 : organized by the Grand Canyon Monitoring and Research Center, U.S. Geological Survey. Program and abstracts.* [Flagstaff, Arizona: Grand Canyon Monitoring and Research Center], p. 33. (Glen Canyon Dam Adaptive Management Program.)

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Rogers, Ron J.; Albrecht, Brandon; Handtke, Justin; Chavez, Martinique; O'Connor, Josh; Platania, Steven P.; Pedersen, Kerri; McKinstry, Mark; Stolberg, James; AND Omana Smith, Emily**

- 2023 19.6998 *Razorback sucker Xyrauchen texanus research and monitoring in the Colorado River inflow area of Lake Mead and the lower Grand Canyon, Arizona and Nevada : 2023 fianl annual report.* Salt Lake City, Utah: U.S. Bureau of Reclamation, Upper Colorado Region, SEPARATELY PAGINATED SECTIONS [191 pp. total].

**Rogers, Ronald; Albrecht, Brandon; Kegerries, Ronald; Mohn, Harrison; McKinstry, Mark; Healy, Brian; AND Schelly, Robert**

- 2018 19.6027 Native fish dominance in the Grand Canyon, Arizona [ABSTRACT]. *In: Desert Fishes Council : Consejo de los Peces del Desierto : 50th Annual Meeting : long program : 14-18 November 2018, Furnace Creek, Death Valley National Park, California, USA*, pp. [21]-[22].

**Rogowski, David L.**

- 2014 19.4586 Little fish, big river—dam operations and fish life history [ABSTRACT]. *Desert Fishes Council, 46th Annual Meeting, November 19-23, San Jose del Cabo, Baja California Sur, Mexico.* [Rainbow trout in Colorado River below Glen Canyon Dam.]
- 2017 19.5740 Humpback chub—range expansion in the lower Grand Canyon or better sampling? [ABSTRACT]. *In: 50th Joint Annual Meeting, Arizona/New Mexico Chapter of the American Fisheries Society and Arizona and New Mexico Chapters of the Wildlife Society, February 9-11, 2017, Farmington, New Mexico : Celebrating 50 Years of Fish and Wildlife Management in Arizona and New Mexico.* [No imprint], [unpaginated].

**Rogowski, David L., AND Boyer, Jan K.**

- 2018 19.5746 Nonnative fish in the Colorado River, Grand Canyon [ABSTRACT]. *From: Fisheries Abstracts Oral Presentation [SECTION]. In: 51st Joint Annual Meeting, Arizona and New Mexico Chapters of The Wildlife Society and Arizona/New Mexico Chapter of The American Fisheries Society, February 1-3, 2018, Little America, Flagstaff, Arizona*, pp. 35-36. [NOTE: Each abstract section in this program erroneously begins with p. 27.]
- 2018 19.6025 Hope in a highly regulated river: Native fish recovery in the Colorado River [ABSTRACT]. *In: Desert Fishes Council : Consejo de los Peces del Desierto : 50th Annual Meeting : long program : 14-18 November 2018, Furnace Creek, Death Valley National Park, California, USA*, pp. [16]-[17]. [Grand Canyon.]

**Rogowski, David L.; Mohn, Harrison E.; AND Boyer, Jan K.**

- 2017 19.5860 Humpback chub range expansion in the western Grand Canyon [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. 141.

**Rogowski, David L.; Osterhoudt, Robin J.; Mohn, Harrison E.; AND Boyer, Jan K.**

- 2018 19.5998 Humpback chub (*Gila cypha*) range expansion in the western Grand Canyon. *Western North American Naturalist*, 78(1): 13-38.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Rogowski, David L.; Wolters, Pilar N.; AND Winters, Lisa K.**

- 2015 19.5366 *Colorado River fish monitoring in Grand Canyon, Arizona—2014 annual report.* [No place]: Arizona Game and Fish Department, for Grand Canyon Monitoring and Research Center, Flagstaff, Arizona, 38 pp. (Cooperative Agreement G13AAC0086.)

**Rogowski, David L.; Winters, Lisa K.; Wolters, Pilar N.; AND Manuell, Kristy M.**

- 2015 19.4831 *Status of the Lees Ferry rainbow trout fishery : 2014 annual report.* Flagstaff, Arizona: Arizona Game and Fish Department, Research Branch, Colorado River Research Office, for Grand Canyon Monitoring and Research Center, Flagstaff, Arizona), 41 pp. (Cooperative Agreement G10AC00147.)

**Rogstad, Alix; Crimmins, Michael; AND Garfin, Gregg**

- 2012 19.4443 Climate change and wildfire impacts in Southwest forests and woodlands. *University of Arizona, College of Agriculture and Life Sciences, Cooperative Extension, AZ1425*, revised, 4 pp. ("Originally published: 2006".)

**Rohokale, Prashant, AND Batwal, Saurabh**

- 2018 19.6044 Ex. situ conservation of cacti and succulents of Arts, Science and Commerce College, Rahuri, Botanic Garden, Rahuri Tehsil District—Ahmednaga (M.S.). *Indian Journal of Applied Research (Ahmedabad)*, 8(8) (August): 1-6. [See p. 4, listing of *Pediocactus bradyi*, Marble Canyon; noted as Endangered.]

**Rollins, Reed C.**

- 1953 19.2214 A new *Sisymbrium* from Arizona. *Leaflets of Western Botany*, 7(1): 15-16. [*Sisymbrium kearneyi*, new species. "Type in the Gray Herbarium, collected along trail into S. B. Canyon, Grand Canyon National Monument, Arizona, May 8, 1952, *Elizabeth McClintock 481a*. Another collection (in flower) from the same locality but found growing under shelter of overhanging cliffs is *Elizabeth McClintock 52-481* (OH). Duplicates in Herb. Calif. Acad. Sci."]
- 1982 19.3971 Species of *Draba*, *Lesquerella* and *Sibara* (Cruciferae). *Gray Herbarium of Harvard University, Contributions*, (211) (January 15): 107-113. [See *Lesquerella kaibabensis* Rollins, new species, pp. 110-111; holotype from "limestone-clay knoll, 18.6 miles south of Jacob Lake on road to the north entrance of Grand Canyon National Park" [Arizona Rt. 67].]

**Rome, Lori**

- 2009 19.2922 Celebrating life. *Canyon Views* (Grand Canyon Association), 15(1) (Spring): 4. [Celebrate Wildlife Day.]

**Rome, Lori; Quinn, Michael; AND York, Eric C.**

- 2008 19.6365 Science and education working together to promote lion awareness at Grand Canyon [ABSTRACT]. *In*: Toweill, Dale, Nadeau, Steve, and Smith, David (eds.), *Cougars: Past*,



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

*Present and Future Challenges : 9th Mountain Lion Workshop : proceedings : hosted by Idaho Department of Fish and Game, Sun Valley, Idaho, May 5-8, 2008*, p. 191.

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**Romme, William H.; Allen, Craig D.; Bailey, John D.; Baker, William L.; Bestelmeyer, Brandon T.; Brown, Peter M.; Eisenhart, Karen S.; Floyd, M. Lisa; Huffman, David W.; Jacobs, Brian F.; Miller, Richard F.; Muldavin, Esteban H.; Swetnam, Thomas W.; Tausch, Robin J.; AND Weisberg, Peter J.**

2009 19.4484 Historical and modern disturbance regimes, stand structures, and landscape dynamics in piñon-juniper vegetation of the western United States. *Rangeland Ecology and Management*, 62(3) (May): 203-222.

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**Roosevelt, Theodore, AND Heller, Edmund**

1914 19.3173 *Life-histories of African game animals. Volume I.* New York: Charles Scribner's Sons, 420 pp. [Grand Canyon skunks, pp. 140-141.]

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**Rose, H. B.**

1925 19.5810 Those Kaibab deer. *Western Sportologue*, (February 10): 22.

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**Rose, J. N.**

1890 19.5220 Preliminary notes on *Perityle*. *Botanical Gazette*, 15(5) (May): 112-119, Plate 13. [*P. emoryi* Torr. noted (p. 117), "Arizona, Grand Cañon (Gray)" (ENTIRE NOTE); *i.e.*, likely Peach Springs-Diamond Creek area.]

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**Rosen, P. C.**

2004 19.2968 Charles Herbert Lowe Jr. 1920-2002. *Copeia*, 2004(4): 961-972. [See Fig. 2, "CHL with *Crotalus abyssus* in Grand Canyon, 1951.", p. 962; no other notice of Grand Canyon. *Crotalus viridis abyssus*, Grand Canyon rattlesnake.]

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**Rosenberg, Cathy**

2015 19.6193 Back from the brink: The future of the California condor. *Vermilion Flycatcher* (Tucson Audubon Society), 60(4) (October/December): 20-21.

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**Rosenberg, Gary H., AND Benesh, Chris D.**

1995 19.1399 Arizona. *Field Notes* (National Audubon Society), 49(5) (Winter): 958-960.

1996 19.1400 Arizona. *Field Notes* (National Audubon Society), 50(1) (Spring): 89-92.

1998 19.1401 Arizona region. *Field Notes* (National Audubon Society), 52(3): 365-368.

1999 19.1402 Arizona region. *North American Birds*, 53(2) (December 1998-February 1999): 190-192.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Rosenberg, Gary H., AND Jones, Roy M.**

2002 19.2252 Arizona. *North American Birds*, 56(1) (August/November): 83-86.

**Rosenberg, Gary H.; Rademaker, Kurt; AND Vander Pluym, David**

2017 19.6863 Arizona Bird Committee report, 2010-2014 records. *Western Birds*, 48(2): 74-112. [See p. 97, "Common Redpoll *Acanthis flammea*", first Arizona record photographed in House Rock Valley, 16 February-3 March 2012, photo by Shaun Putz on p. 93 (top); and record of one photographed (not illustrated) at a feeder at Grand Canyon Village, 18-24 February 2012. See also pp. 98-99, "Tennessee Warbler *Oreothlypis perigrina*", including record of sighting "near Mt. Logan in the Arizona Strip", 13 September 2014.]

**Rosenberg, K. V.; Hubbard, J. P.; AND Rosenberg, G. H.**

1981 19.1403 The autumn migration, August 1-November 30, 1980: Southwest region. *American Birds*, 35: 211-214.

≡ CROSS-LISTINGS [CITED» GCNHA Monograph 8: page 4-42]

1981 19.1404 The winter season, December 1, 1980-February 28, 1981: Southwest region. *American Birds*, 35: 323-326.

≡ CROSS-LISTINGS [CITED» GCNHA Monograph 8: page 4-42]

1981 19.1405 The nesting season, June 1-July 31, 1981: Southwest region. *American Birds*, 35: 966-969.

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**Rosenthal, Mark**

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- 2001 19.6015 *Riparian area management : a guide to managing, restoring, and conserving springs in the western United States.* [No place]: U.S. Bureau of Land Management, 70 pp. (Technical Reference 1737-17.)

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**St. John, Harold**

- 1941 19.2160 Revision of the genus *Swertia* (Gentianaceae) of the Americas and the reduction of *Frasera*. *American Midland Naturalist*, 26(1) (July): 1-29. [See *Swertia utahensis* (M. E. Jones) comb. nov. (pp. 12-13, square brackets are part of the quotation): "None of the large eastern American herbaria consulted contained the type material: M. E. Jones, June 19, 1890, on the Buckskin Mountains (Kaiba Plateau), on the southern edge of Utah. Dr. P. A. Munz has kindly loaned three pertinent sheets from the Jones herbarium at Pomona College. They are all of this species, *F. utahensis* Jones, are collected on June 18, 1890. Two are from Jacob's Pools, Ariz., and one from House Rock, Ariz., this latter being marked 'Type material.' It will be seen that this wording is for a different state as well as locality and day. However, it is on the Kaiba [or Kaibab] Plateau, and the Arizona-Utah state boundary crosses in this vicinity. These Jones collections are not numbered, and there seems to be a confusion between the written and the published data. This is not the first time that such confusion has been found in Jones' collections. Hence, it is reasonable to accept the sheet so marked as the type, as it conforms well to the diagnostic characters given in the original description. The type locality would then be: Arizona, House Rock, June 18, 1890, Marcus E. Jones (Herb. Pomona). There is an isotype in the herbarium of the University of California, at Berkeley."]

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**Samuels-Crow, Kimberly; Ogle, Kiona; AND Palmquist, Emily**

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**Sample, Martha; Thode, Andrea E.; Peterson, Courtney; Gallagher, Michael R.; Flatley, William; Friggens, Megan; Evans, Alexander; Loehman, Rachel; Hedwall, Shaula; Brandt, Leslie; Janowiak, Maria; AND Swanston, Christopher**

- 2022 19.6787 Adaptation strategies and approaches for managing fire in a changing climate. *Climate* (MDPI: Multidisciplinary Digital Publishing Institute, Basel, Switzerland), 10(58), 33 pp. (<https://doi.org/10.3390/cli10040058>) + Supplementary Materials online (Figs. S1, S2; <https://www.mdpi.com/article/10.3390/cli10040058/s1>).

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**Sánchez Meador, A. J.; Wasserman, T. Z.; Stoddard, M. T.; AND Roccaforte, J. P.**

- 2015 19.4874 Fine-scale forest patterns and landscape ecology of Powell Plateau, Grand Canyon National Park [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts, p. 75.*

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**Sankey, Joel B., AND Ralston, Barbara E.**

- 2013 19.5442 Colorado River, vegetation, and climate: Five decades of spatio-temporal dynamics in the Grand Canyon following river regulation [ABSTRACT]. *In: 12th Biennial Conference of Science and Management on the Colorado Plateau, September 16-19, 2013, Northern Arizona University, Flagstaff, Arizona : program and abstracts of presented papers and posters*. [Flagstaff, Arizona: Northern Arizona University], p. 110.

**Sankey, Joel B.; Durning, Laura E.; Yackulic, Charles B.; Grams, Paul E.; Butterfield, Bradley J.; AND Sankey, Temuulen Ts.**

- 2022 19.6840 Ecohydrologic and geomorphic effects on riparian plant species occurrence and encroachment: remote sensing of 360 km of the Colorado River in Grand Canyon [ABSTRACT]. *In: 16th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 12-15, 2022, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, p. 165.

**Sankey, Joel B.; Kasprak, Alan; AND Caster, Joshua J.**

- 2017 19.5861 Riparian vegetation management for sand and cultural resource conservation in the Grand Canyon [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. 146.

**Sankey, Joel B.; Ralston, Barbara E.; Grams, Paul E.; Schmidt, John C.; AND Cagney, Laura E.**

- 2015 19.4743 Riparian vegetation, Colorado River, and climate: Five decades of spatiotemporal dynamics in the Grand Canyon with river regulation. *Journal of Geophysical Research: Biogeosciences*, 120: 1532-1547.
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**Sankey, Temuulen Ts. [Sankey, Temuulen Tsagaan]**

- 2017 19.5862 Remote sensing of tamarisk biomass, insect herbivory, and defoliation: Lidar and multispectral image fusion in the Grand Canyon, AZ [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], pp. 146-147.

**Sankey, Temuulen Ts.; Sankey, Joel B.; Horne, Rene; AND Bedford, Ashton**

- 2016 19.5148 Remote sensing of tamarisk biomass, insect herbivory, and defoliation: Novel methods in the Grand Canyon region, Arizona. *Photogrammetric Engineering and Remote Sensing*, 82(8) (August): 645-652.

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- 1996 19.1425 Potential adaptability and constraints of response to changing climates for *Encelia farinosa* var. *phenicodonta* from southern Baja California, Mexico. *Madroño*, 43(4): 465-478. [Range also along lower Colorado River and western Grand Canyon Colorado River corridor.]

**Santucci, Vincent L.**

- 2005 19.2630 Historical perspectives on biodiversity and geodiversity. *The George Wright Forum*, 22(3): 29-34. [See p. 32, brief remarks on the Abert and Kaibab squirrels in the context of mountain building and orogeny.]

**Sargent, Charles Sprague**

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 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-25|
- 1894 19.3758 *Forest flora of Japan : notes on the forest flora of Japan*. Boston and New York: Houghton, Mifflin and Co. (The Riverside Press, Cambridge), 93 pp. [See p. 66, note of species of hop-hornbeam known only from the Grand Canyon (*i.e.*, *Ostrya knowltonii*).]
- 1896 19.3401 *The silva of North America : a description of the trees which grow naturally in North America exclusive of Mexico. Illustrated with figures and analyses drawn from nature by Charles Edward Faxon. Volume IX. Cupuliferae-Salicaceae*. Boston and New York: Houghton, Mifflin and Co. (The Riverside Press, Cambridge), 190 pp. [See *Ostrya knowltonii* [sic], pp. 37-38, Plate 446. *Ostrya knowltonii* Cov.]  
 ≡ REVIEWS AND NOTICES Buschenau, 1896, ITEM NO. 30.728
- 1896 19.3402 *The silva of North America : a description of the trees which grow naturally in North America exclusive of Mexico. Illustrated with figures and analyses drawn from nature by Charles Edward Faxon. Volume X. Liliaceae-Coniferae*. Boston and New York: Houghton, Mifflin and Co. (The Riverside Press, Cambridge), 152 pp. [See *Juniperus utahensis*, pp. 81-82, Plate 518; and *J. virginiana*, p. 93 and following, specifically p. 94, note 6.]
- 1917 19.3584 *Fraxinus Lowellii* Sargent, n. sp. *In*: Rehder, Alfred, The genus *Fraxinus* in New Mexico and Arizona. *American Academy of Arts and Sciences, Proceedings*, 53(2) (October): 211. [New species; type from Oak Creek Canyon, other referred specimens include "Mohave Co.: Peach Spring, 1884, J. G. Lemmon (No. 3242)".]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 1919 19.2120 Notes on North American trees. IV. *Botanical Gazette*, 67(3): 208-242. [See *Juniperus utahensis* var. *megalocarpa*, new variety (p. 208), referred material includes "rim of the Grand Canyon, C. S. Sargent, September 9, 1904"; *Populus arizonica*, new name for *P. mexicana* Sargent (non Wesmael) (pp. 210-211), referred material includes "Hermit Creek, Grand Canyon of the Colorado, Alice Eastwood, April 10, 1917 (no. 6002); *Populus fremontii* var. *toumeyii*, new variety (p. 214), referred material includes "Hermit Creek, Grand Canyon of the Colorado, Coconino County, Alice Eastwood, April 10, 1917 (no. 6002)"; *Celtis douglasii* Planchon (pp. 218-219), referred material includes "the southern slope of the Grand Canyon, Arizona (A. Rehder, July 19, 1914, no. 103".]
- 1922 19.3403 *Manual of the trees of North America (exclusive of Mexico)*. (Illustrations by Charles Edward Faxon and Mary W. Gill.) Boston and New York: Houghton, Mifflin and Co. (The Riverside Press, Cambridge), 2nd ed., 910 pp. [See *Ostrya knowltonii* Cov., pp. 204-205; *Celtis douglasii* Plan., pp. 321-322; *Rhamnus purshiana* DC., pp. 725-726; *Sambucus coerulea* var. *arizonica* Sarg., p. 885.]

**Satchell, Michael**

- 1991 19.3540 Can we save the burros? *Parade* [syndicated], (April 27): 4-5.

**Satterwhite, Robert**

- 1934 19.1427 A beaver home in Bright Angel Creek. *Grand Canyon Nature Notes*, 9(3) (June): cover, 283-285.  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 2: page 93](#) | [CITED» GCNHA Monograph 8: page 4-25](#)

**Sauer, Jonathan D.**

- 1988 19.1428 *Plant migration : the dynamics of geographic patterning in seed plan species*. Berkeley, California: University of California Press, 282 pp.

**Saunders, Charles Francis**

- 1911 19.4535 The small California garden; with all their wonderful climatic advantages California gardens do not "just grow"—the experiences of an easterner who went West. *House and Garden*, 19(2) (February): 79-81, 120-122. [See p. 80: "These low walls made many nooks and corners which serve to domicile special plants that have for us some personal association. In one, for instance, grows a clump of a native peustemon [penstemon], raised from seed gathered at the Grand Cañon . . . ." (ENTIRE NOTE)]
- 1915 19.3358 A garden of associations. *American Botanist*, 21(1) (February): 12-14. [See pp. 13-14, note of a southern California garden with a shrub of Mexican cliff rose, "cherished as an individual because raised from seed gathered on the rim of the Grand Canyon in Arizona, and so linked with the memory of a certain noteworthy outing . . . ." (ENTIRE NOTE)]
- 1921 19.6595 Native shrubs. *In*: Pasadena Garden Club [SECTION]. *Garden Club of America, Bulletin*, New Series, 1921(2) (November): 74-75. [Regarding *Cowania mexicana*, the Navajo cliff-rose, see note, p. 75, "The only specimens that I have seen in cultivation



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

were raised from roots brought by friends from the Grand Canyon, Arizona, where the shrub is a familiar sight." (ENTIRE NOTE)]

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**Saxena, Rekha**

- 2005 19.6990 *Differences in soil, physical, chemical and mineralogical properties between inhabited and uninhabited Arctomecon californica habitats.* Master's thesis, University of Nevada at Las Vegas, 65 pp. [Study area is in the Tule Springs area (extralimital to this bibliography) but includes discussion of regional occurrences of this species of poppy in the Lake Mead and western Grand Canyon areas.]
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**Scarbrough, Aubrey G.; Stevens, Lawrence E.; AND Nelson, C. Riley**

- 2012 19.3767 The *albibarbis*-complex of *Efferia* Coquillett, 1910 from the Grand Canyon region, southwestern U.S.A., with three new species and new distribution records (Diptera: Asilidae). *Pan-Pacific Entomologist*, 88(1) (January): 58-86. [Of the three new species, only one, *Efferia tapeats* (pp. 75-78), is based on type material from within the area embraced by this bibliography; the holotype was taken at Clear Creek, Grand Canyon. Other material for this species and others in this paper are recorded from the region covered by this bibliography.]
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**Scheel, David, AND Ross, Dina**

- 1986 19.3311 How not to save a species. *New Scientist*, 112 (October 16) (1530): cover, 1, 39-42. [Grand Canyon noted as a possible reintroduction site for the California condor, p. 42.]
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**Schell, Dorothydean Viets**

- 1943 19.6155 The Ochteridae (Hemiptera) of the western hemisphere. *Kansas Entomological Society, Journal*, 16(1) (January): 29-36, (2) (April): 37-47. [See *Ochterus viridifrons* (Champion, 1901) (pp. 27-38 [note straddling of two dates, January and April]), notes briefly (p. 38), "One female specimen from the United States National Museum, bearing a Grand Canyon, Arizona label, appears to be *viridifrons*, but an examination of the male genitalia would be necessary for accurate determination." See also *Ochterus barberi*, new species (pp. 41-42), holotype male in U.S. National Museum, from "Colorado Canyon, Arizona", two paratypes in American Museum of Natural History, "collected at Grand Canyon, Arizona" (allotype and 61 additional paratypes from Arizona localities extralimital to the region covered by this bibliography). No further collecting data published.] [See also Kment *et al.* (2020, ITEM NO. 19.6488) regarding the type of *O. barberi* and Schell's identification of *O. viridifrons*.]
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Schellbach, Louis, III**

- 1933 19.1429 [Brewer's sparrow.] *In*: Miscellany. *Grand Canyon Nature Notes*, 8(8) (November): 215. ["The first Brewer's Sparrow, *Spizella b. breweri*, to be recorded from the South Rim of Grand Canyon was a female found dead in front of the general store on September 23. We now have migration records of this species from both rims and the bottom of Grand Canyon." (ENTIRE ITEM)]  
 ≡ CROSS-LISTINGS [CITED» GCNHA Monograph 2: page 93] [CITED» GCNHA Monograph 8: page 4-25]
- 1933 19.5068 [Tarantulas.] *In*: Miscellany. *Grand Canyon Nature Notes*, 8(8) (November):.  
 ≡ CROSS-LISTINGS [CITED» GCNHA Monograph 2: page 93] [CITED» GCNHA Monograph 8: page 4-25]
- 1933 19.5069 [Kildeer.] *In*: Miscellany. *Grand Canyon Nature Notes*, 8(8) (November):.  
 ≡ CROSS-LISTINGS [CITED» GCNHA Monograph 2: page 93] [CITED» GCNHA Monograph 8: page 4-25]
- 1933 19.5070 [Arizona gray fox near Yavapai Observation Station.] *In*: Miscellany. *Grand Canyon Nature Notes*, 8(8) (November):.  
 ≡ CROSS-LISTINGS [CITED» GCNHA Monograph 2: page 93] [CITED» GCNHA Monograph 8: page 4-25]

**Schelly, Robert; Healy, Brian; Nelson, Clay; Vaage, Benjamin; Ward, David; Albrecht, Brandon; Kegerries, Ron; Mohn, Harrison; AND Boyer, Jan K.**

- 2018 19.5747 Brown trout telemetry at Lees Ferry and Grand Canyon, Arizona [ABSTRACT]. *From*: Fisheries Abstracts Oral Presentation [SECTION]. *In*: *51st Joint Annual Meeting, Arizona and New Mexico Chapters of The Wildlife Society and Arizona/New Mexico Chapter of The American Fisheries Society, February 1-3, 2018, Little America, Flagstaff, Arizona*, pp. 36-37. [NOTE: Each abstract section in this program erroneously begins with p. 27.]

**Schelly, Robert; Omana Smith, Emily; Koller, Rebecca; AND Healy, Brian**

- 2017 19.5873 *Bright Angel Creek comprehensive brown trout control project : October 18, 2016-February 7, 2017 : season report*. Grand Canyon, Arizona: U.S. National Park Service, Grand Canyon National Park, for U.S. Bureau of Reclamation, Upper Colorado Region, 11 pp. (Interagency Agreement No. 09-AA-40-2890. NPS Research Permit No. GRCA-2010-SCI-0009.)
- 2021 19.6605 Might endangered Colorado pikeminnow be reintroduced to Grand Canyon? *Boatman's Quarterly Review*, 34(2) (Summer): 10-11.

**Schenck, C. A.**

- NO DATE 19.3320 "Lectures on Forest Policy"; Second Part: Forestry conditions in the United States. [No imprint], [unpaginated]. [Ca. 1905?] [See "Forestry Conditions in Arizona"; includes Grand Canyon Forest Reserve.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Schenk, Edward R.; Healy, Brian D.; Smith, Emily O.** [Omana Smith, Emily]; **Tobin, Benjamin W.; AND Tanski, Natalie**

- 2017 19.5863 Impacts of a recent wildfire and major flash flood on endangered humpback chub habitat, Shinumo Creek, Grand Canyon [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. 147.

**Schenk, Edward R.; Healy, Brian D.; Smith, Emily O.** [Omana Smith, Emily]; **Tobin, Benjamin W.; Valle, Cynthia M.; AND MacKinnon, Peter D.**

- 2015 19.4810 Impacts of a recent wildfire and major flash flood on endangered humpback chub habitat—Shinumo Creek, Grand Canyon [ABSTRACT]. *Geological Society of America, Abstracts with Programs*, 47(7): 836.

**Schenk, John J.**

- 2013 19.4316 Evolution of limited seed dispersal ability on gypsum islands. *American Journal of Botany*, 100(9) (September): 1811-1822. [Includes Grand Canyon.]

**Schenk, John J., AND Hufford, Larry**

- 2010 19.3962 Taxonomic novelties from western North America in *Mentzelia* section *Bartonia* (Loasaceae). *Madroño*, 57(4): 246-260. [Includes *Mentzelia longiloba* J. Darl. var. *yavapaiensis* J. J. Schenk & L. Hufford, new variety, pp. 258-259; localities include near Peach Springs, Arizona, and Tuweep.]

**Schenk, John J.; Hodgson, Wendy; AND Hufford, Larry**

- 2010 19.3276 A new species of *Mentzelia* section *Bartonia* (Loasaceae) from the Grand Canyon, Arizona. *Brittonia*, 62(1): 1-6. [*Mentzelia hualapaiensis* J. J. Schenk, W. C. Hodgson & L. Hufford, new species; type from "Grand Canyon National Park, along the Colorado River near the Mile 158 camp site on river right".]
- 2013 19.4314 *Mentzelia canyonensis* (Loasaceae), a new species endemic to the Grand Canyon, Arizona, U.S.A. *Brittonia*, 65(4) (December): 408-416. [Type from "Grand Canyon National Park, Manzanita Canyon, within ¼ mile of Bright Angel Creek and North Kaibab Trail".]

**Scher, Z.**

- 1977 19.1430 Prisoner in peril. *Empire Magazine (Denver Post)*, 28 (February 20): 12-17. [Kaibab squirrel.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-25|

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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- 2019 19.6340 Allopatric divergence and secondary contact with gene flow: a recurring theme in rattlesnake speciation. *Linnean Society, Biological Journal*, 128: 149-169 + Supporting Information online. [Data include *Crotalus oreganus abyssus*, Grand Canyon rattlesnake.]

**Schimper, A. F. W.**

- 1898 19.3283 *Pflanzen-geographie auf physiologischer Grundlage*. Jena: Gustav Fischer, 876 [877] pp., plates, maps. [See text associated with: Fig. 95, p. 195, "Grand Cañon des Colorado. Arizona. Steiniges Flussbett. Im Hintergrund die dem Klima entsprechende Wüste."; Fig. 374, facing p. 671, "Aus der Felsenwüste im nordwestlichen Arizona. Grosser Canon des Coloradoflusses. Pinus monophylla." See also "Druckfehler-Verzeichniss", errata, p. [877].] [\[In German.\]](#)

**Schmalz, K. L.**

- 1972 19.6339 Naturschutztätigkeit im Kanton Bern—1971. *Naturforschenden Gesellschaft in Bern, Mitteilungen*, 29: 65-90. [See pp. 88-89, remarks on Kaibab deer.] [\[In German.\]](#)

**Schmid, John M.**

- 2007 19.5911 Appendix B—John M. Schmid's recollections of forest insect research at the RM Station, 1963 to 1992. *In*: Furniss, Malcolm M., A history of forest entomology in the Intermountain and Rocky Mountain areas, 1901 to 1982. *U.S. Forest Service, Rocky Mountain Research Station, General Technical Report RMRS-GTR-195*, pp. 26-30. [Includes Kaibab Plateau.]

**Schmid, J. M., AND Bennett, D. D.**

- 1988 19.1431 The North Kaibab pandora moth outbreak, 1978-1984. *U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-153*, 18 pp.

**Schmid, J. M.; Bennett, D. D.; AND Andrews, M.**

- 1983 19.1432 Distribution of pandora moth egg masses and first stage larvae. *U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, Research Note RM-432*, 4 pp.

**Schmid, J. M.; Bennett, D. D.; Young, R. W.; Mata, S. A.; Andrews, M.; AND Mitchell, J. C.**

- 1982 19.1433 Sampling larval populations of the pandora moth, *Coloradia pandora*, *Pinus ponderosa* infestation on the Kaibab Plateau near Jacob Lake, Arizona. *U.S. Forest Service, Rocky Mountain Forest Experiment Station, Research Note RM-421*, 5 pp.

**Schmid, J. M.; Farrar, P. A.; AND Mitchell, J. C.**

- 1982 19.1434 Distribution of pandora moth egg masses and pupae near Jacob Lake, Arizona. *Environmental Entomology*, 11(3) (June): 701-704.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Schmid, J. M.; Farrar, P. A.; AND Ragenovich, I.**

- 1981 19.2288 Length of western tent caterpillar egg masses and diameter of their associated stems. *Great Basin Naturalist*, 41(4): 465-466.

**Schmid, J. M.; Mata, S. A.; AND Mitchell, J. C.**

- 1986 19.2303 Number and condition of seeds in ponderosa pine cones in central Arizona. *Great Basin Naturalist*, 46(3): 449-451. [Includes South Rim.]

**Schmid, J. M.; Mitchell, J. C.; Carlin, K. D.; AND Wagner, M. R.**

- 1984 19.2287 Insect damage, cone dimensions, and seed production in crown levels of ponderosa pine. *Great Basin Naturalist*, 44(4): 575-578.

**Schmid, J. M.; Mitchell, J. C.; AND Mata, S. A.**

- 1986 19.2302 Ponderosa pine conelet and cone mortality in central Arizona. *Great Basin Naturalist*, 46(3): 445-448. [Includes South Rim of Grand Canyon.]

**Schmid, J. M.; Thomas, L.; AND Rogers, T. J.**

- 1981 19.3447 Prescribed burning to increase mortality of pandora moth pupae. *U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, Research Note RM-405*, 3 pp.

**Schmidt, Jeremy**

- 1993 19.1435 *Grand Canyon National Park : a natural history guide*. Boston and New York: Houghton Mifflin Co., 246 pp.  
 ≡ CROSS-LISTINGS FQ10:299 FQ11:356 FQ15:446 FQ19:533 FQ24/2:764  
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**Schmidt, John**

- 2003 19.5582 Twenty five years of forest insect research and related events. The Founders' Award Address / La Presentación del premio Fundador. *In*: Steed, Brytten (compiler), *Proceedings of the 1st Joint Meeting of the 12th National Symposium on Forest Parasites and the 54th Western Forest Insect work Conference (WFIWC) / Memorias de la Primera Reunión Conjunta XII Simposio Nacional de Parasitología Forestal y 54<sup>ava</sup> Conferencia de Entomología Forestal de Oeste : Guadalajara, Mexico, November 3-6, 2003 : Enhancing our Partnerships : Fomentando Nuestra Colaboración*. [No place]: Western Forest Insect Work Conference; and México, Secretaría Medio Ambiente y Recursos Naturales, Comisión Nacional Forestal, pp. 4-8. [See p. 6, remarks on work on the Kaibab Plateau in 1982 and 1983.]

**Schmidt, John C.** *see also* **Smallmouth Bass Management Review Committee**

**Schmidt, John C.**

- 2017 19.5899 Channel form and riparian vegetation: Relevant temporal and spatial scales. *In*: Ralston, Barbara E., and Sarr, Daniel A. (eds.), *Case studies of riparian and watershed*

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

restoration in the southwestern United States—principles, challenges, and successes. *U.S. Geological Survey, Open-File Report 2017-1091*, pp. 55-58.

**Schmidt, John C.; Webb, Robert H.; Valdez, Richard A.; Marzolf, G. Richard; AND Stevens, Lawrence E.**

1998 19.5949 Science and values in river restoration in the Grand Canyon; there is no restoration or rehabilitation strategy that will improve the status of every riverine resource. *BioScience*, 48(9) (September): 735-747.

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**Schmidt, Karl P., AND Davis, D. Dwight**

1941 19.6854 *Field book of snakes of the United States and Canada*. New York: G. P. Putnam's Sons, 365 pp. [See p. 310, brief note: "Grand Canyon Rattlesnake.—*Crotalus viridis abyssus* Klauber. A large form, in which the adults are bright reddish, with blotches of body almost absent; young similar to *v. viridis*." (ENTIRE NOTE) See also on distribution map for subspecies of the Prairie rattlesnake (*Crotalus viridis*), p. 309.]

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**Schmidt, Laurie J.**

2010 19.3790 Chewed out. An invasive plant called tamarisk has been killing off cottonwoods and destroying river habitat for decades. Now park rangers are hoping a beetle can turn the tide. *National Parks*, 84(1) (Winter): 20-21.

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**Schmidt, Ted**

2015 19.6627 [Update on Lees Ferry.] *The Angling Report* (Oxpecker Enterprises, Inc., Washington, D.C.), 28(8) (August): 8.

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**Schmutz, Ervin M.**

1978 19.1436 *Classified bibliography on native plants of Arizona*. Tucson: University of Arizona Press, 160 pp.  
 ≡ [CROSS-LISTINGS](#) [\[CITED» GCNHA Monograph 8: page 4-25\]](#)

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**Schmutz, Ervin M.; Michaels, Charles C.; AND Judd, B. Ira**

1976 19.4651 Boysag Point: a relict area on the North Rim of Grand Canyon in Arizona. *Journal of Range Management*, 20(6) (November): 363-369. [70-acre relatively ungrazed pinyon-juniper-sagebrush area adjacent to grazed Mainland area.]

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**Schoerner, Thomas W.**

1989 19.2121 Food webs from the small to the large: The Robert H. MacArthur Award Lecture. *Ecology*, 70(6) (December): 1559-1589.

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**Scholl, Eric A.; Hanus, Kyle R.; Gardner, Tyler W.; AND Kennedy, Theodore A.**

2024 19.6856 Multiple stressors mediate the effects of warming on leaf decomposition in a large regulated river. *Ecosphere*, 2024(15):e4804, 16 pp. + data at USGS ScienceBase

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

catalog <https://orcid.org/0000-0003-3028-9979>). Study area in the Glen Canyon reach of the Colorado River below Glen Canyon Dam.]

**Schorger, A. W.**

- 1966 19.1437 *The wild turkey : its history and domestication*. Norman, Oklahoma: University of Oklahoma Press, 625 pp.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-42|

**Schroeder, Susan E.**

- 2013 19.3944 The wonders of wildlife. *Canyon Views* (Grand Canyon Association), 20(2) (Spring): 2. (From the Executive Director [COLUMN].)
- 2015 19.4643 The wonders of wildlife. *Canyon Views* (Grand Canyon Association), 22(1) (Spring): 2. (From the Executive Director [COLUMN].)
- 2018 19.5805 The most amazing classroom. *Canyon Views* (Grand Canyon Association), 25(1) (Spring): 2. (From the Executive Director [COLUMN].) [Remarks on wildlife management.]

**Schrötter, C.**

- 1924 19.4726 Chronik der ersten bis dritten internationalen pflanzengeographischen Exkursion (I.P.E.). *Geobotanischen Institutes Rübel in Zürich, Veröffentlichungen*, 1: 7-27. [See in "Die zweite I. P. E.", brief note of field trip itinerary including lower Colorado River region and Grand Canyon (p. 15).] [In German.]

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

105, legend on p. 264, "tenellus (paratype male: Arizona: Coconino Co.: Grand Canyon").]

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- 1926 19.1439 A few pets. *Grand Canyon Nature Notes*, 1(5) (August 16): 7. [Hal, a Gila monster; Rattles, a side-winder rattlesnake; Oswald, a baby porcupine; and "a lizard and a few horned toads"; all kept in the Park Information Office.]  
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- 1927 19.1441 New antelope in the Grand Canyon. *Arizona Wild Life* (Phoenix), 1(3) (March): 7-9. [Experimental (re)introduction in 1924 of pronghorn in the Hermit Camp area.]  
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- 1927 19.1442 An experimental repair job. *Grand Canyon Nature Notes*, 1(10) (February 8): cover, 1-4. [Pronghorn antelope reintroduction to Grand Canyon National Park.] [Hand-drawn cover art of "Nellie", a pronghorn fawn, signed "ES".]  
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 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-25|
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- 1994 19.1444 Kaibab deer . . . on South Rim. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 127-128. [Reprinted from *Grand Canyon Nature Notes*, September, 1926; ellipsis is part of title.]
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<sup>80</sup> Many early issues of *Grand Canyon Nature Notes* include hand-drawn cover art signed "ES", which appeared until the death of Ranger-Naturalist Glen Sturdevant, it is very likely that the artist was Eileen Fourcade (Mrs. Glen) Sturdevant, who had signed an early work "EFS", but inasmuch as the initials can also be confused with contemporary Ranger-Naturalist E. T. Scoyen, specific credits are omitted in this bibliography for now. (*E.E.S.*, March 2017.)

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

138. [Reprinted from *Grand Canyon Nature Notes*, February, 1928; reintroduction of pronghorn antelope.]

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- 1897 19.1446 Revision of the orthopteran group Melanopli (Acridiidae), with special reference to North American forms. *U.S. National Museum, Proceedings*, 20: 1-421, plates 1-26. [See *Melanoplus canonicus*, new species, pp. 300-301, plate 20, figure 1 (known only from Grand Canyon); *Poecilotettix sanguineus*, new species, pp. 387-389, plate 26, figure 2 (including Grand Canyon but Grand Canyon specimen not figured).] [See also Rehn and Hebard (1912, [ITEM NO. 19.1386](#)) for lectotypifications of selected species.]
- 1899 19.2803 The orthopteran genus *Schistocerca*. *American Academy of Arts and Sciences, Proceedings*, 34(17) (March): 441-476. [See p. 466: *Schistocerca albolineata*; "Specimens at hand come from . . . and Grand Cañon, Ariz., July 5 (Bruner)."]

**Seals, John M., AND Gorman, Owen T.**

- 1994 19.1447 Habitat use by speckled dace (*Rhinichthys osculus*), bluehead sucker (*Catostomus discobolus*), and flannelmouth sucker (*Catostomus latipinnis*) in the Little Colorado River, Arizona near Grand Canyon [ABSTRACT]. *Desert Fishes Council, Program with Abstracts, 26th Annual Symposium, 17-20 November, 1994, Death Valley National Park*, p. 20.
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- 1930 19.1448 A new bird record. *Grand Canyon Nature Notes*, 4(11) (September 30): 80. [*Pica pica hudsonica*, black-billed magpies, seen at Bright Angel Point, North Rim and near ranger station; new record for Grand Canyon.]  
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- 1930 19.1449 Deer antlers. *Grand Canyon Nature Notes*, 4(12) (October 31): contents page, 81.  
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- 1931 19.1450 Beetles. *Grand Canyon Nature Notes*, 5(3) (January): 25-26. [Includes "list of beetles collected July 15, 1930, of a few hours' journey down the Kaibab Trail from the North Rim to Roaring Springs".]  
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- 1931 19.1451 Some interesting bird records. *Grand Canyon Nature Notes*, 5(4) (February): 37-38. [Bird records from Clifton Greenhalgh, a high school student at Kanab, Utah. Includes a list of birds seen at Kanab that are "as yet unrecorded" at Grand Canyon.] [See also Errata, 6(3) (January 1932): 28, which notes that the birds listed "should not be considered unrecorded" from the Grand Canyon region and southward.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-25|
- 1931 19.1452 Some beetles of Grand Canyon. *Grand Canyon Nature Notes*, 5(6) (April): cover, 54-55.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-25|
- 1931 19.1453 An interesting bug. *Grand Canyon Nature Notes*, 5(7) (May): 64-65. [Cicadas at Grand Canyon village.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-25|
- 1931 19.5389 [Beetles.] *In*: Field Observations [SECTION]. *Grand Canyon Nature Notes*, 5(7) (May): 69. [Wood-boring beetle, *Dendroctonus valens*, emerging from logs in Yavapai Observation Station.]  
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- 1931 19.5394 [*Eremocoris obscurus*.] *In*: Field Observations [SECTION]. *Grand Canyon Nature Notes*, 5(7) (May): 70. [Insect.]  
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- 1931 19.1454 [Lantern-fly.] *Grand Canyon Nature Notes*, 5(8) (June): 77.  
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- 1931 19.1456 Dragon-flies at Grand Canyon. *Grand Canyon Nature Notes*, 6(2) (December): 16-18.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-25|
- 1931 19.5396 [Abert squirrels at canyon rim.] *In*: Miscellany [SECTION]. *Grand Canyon Nature Notes*, 6(2) (December): 22.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 87| |CITED» GCNHA Monograph 8: page 4-13|
- 1932 19.1457 The herbarium of Grand Canyon National Park. *Grand Canyon Nature Notes*, 6(4) (February): 31-33.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-25|
- 1932 19.1458 Vandals of the sand. *Grand Canyon Nature Notes*, 6(5) (March): cover, 41-42. [Ant lions and tiger beetles.]  
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- 1932 19.1459 Weeds. *Grand Canyon Nature Notes*, 7(4) (July): 41-42.  
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- 1932 19.1460 An insect observation. *Grand Canyon Nature Notes*, 7(5) (August): 51-52. [Cicadas.]  
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- 1932 19.1461 Insect notes. *Grand Canyon Nature Notes*, 7(6) (September): 57.  
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- 1994 19.1462 Irregularities in climatic-belts. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 53. [Reprinted from *Grand Canyon Nature Notes*, September, 1929.]
- 1994 19.1463 Weeds. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 59-60. [Reprinted from *Grand Canyon Nature Notes*, July, 1932.]
- 1994 19.1464 Some beetles of Grand Canyon. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 78. [Reprinted from *Grand Canyon Nature Notes*, April, 1931.]
- 1994 19.1465 An interesting bug. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 79. [Reprinted from *Grand Canyon Nature Notes*, May, 1931; cicada.]
- 1994 19.1466 Dragonflies at Grand Canyon. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 80-81. [Reprinted from *Grand Canyon Nature Notes*, December, 1931.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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- 1994 19.1468 Deer antlers. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 131-132. [Reprinted from *Grand Canyon Nature Notes*, October, 1930.]

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- 2014 19.4459 High diet overlap between native small-bodied fishes and nonnative fathead minnow in the Colorado River, Grand Canyon, Arizona. *American Fisheries Society, Transactions*, 143(4): 1072-1083 + supplemental data online (Tables S.1-S.3), doi:10.1080/00028487.2014.901250.

**Segee, Brian**

- 2002 19.2259 New hope for old growth. Grand Canyon Game Preserve: a designated wildlife haven. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 38(3) (May/June): 7.

**Segraves, Kari A., AND Pellmyr, Olle**

- 2001 19.4914 Phylogeography of the yucca moth *Tegeticula maculata*: the role of historical biogeography in reconciling high genetic structure with limited speciation. *Molecular Ecology*, 10: 1247-1253.

**Seifert, Torsten**

- 1994 19.6059 Kakteen im Grand Canyon. *Kakteen und andere Sukkulente* (Deutsche Kakteen-Gesellschaft; Gesellschaft Österreichischer Kakteenfreunde; Schweizerische Kakteen-Gesellschaft), 45(11) (November): 238-240. [Cacti.] [In German.]

**Sekine, Yasumitu [関根 靖光]**

- 1996 19.5277 生命と環境 1 : アルド・レオポルドの場合 [Seimei to kankyō 1: Arudo reoporudo no baai] [Life and environment I: Aldo Leopold's land ethic]. 東京家政大学研究紀要 [Tōkyōkaseidaigaku kenkyū kiyō] [Tokyo Kasei University, Bulletin], 36(1): 25-37. [Includes notes of Kaibab Plateau, pp. 25, 29.] [In Japanese.]

**Selig, Marcus**

- 2011 19.3539 Four Forest Restoration Initiative; too big to fail or too big to succeed? *Colorado Plateau Advocate*, (Winter/Spring 2011/2012): 6-7.

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**Selleck, S. Shane**

- 2012 19.3738 The USGS Sonoran Desert Research Center. *In*: Muller, Seth (ed.), *Science Research 2012 : special supplement brought to you by Arizona Daily Sun*. [Flagstaff, Arizona]: Arizona Daily Sun, p. 24. [Includes focuses on tamarisk and northern tamarisk beetle across the Colorado Plateau.]

**Sesnie, Steven E.; Dickson, Brett G.; Rundall, Jill M.; AND Sisk, Thomas D.**

- 2009 19.4253 *Preliminary stratification and characterization of the mixed conifer forest type on the Kaibab National Forest, North Kaibab Ranger District : final report*. Flagstaff, Arizona: Northern Arizona University, School of Earth Sciences and Environmental Sustainability, Applied Ecology Laboratory, for U.S. Forest Service, Kaibab National Forest, 21 pp.
- 2011 19.4616 Assessment of mixed conifer forest conditions, North Kaibab Ranger District, Arizona, USA. *In*: Riper, Charles van, III, Villarreal, Miguel L., Riper, Carena J. van, and Johnson, Matthew J. (eds.), *The Colorado Plateau V : research, environmental planning, and management for collaborative conservation*. Tucson: University of Arizona Press, pp. 23-44.
- 2015 19.4791 Assessment of mixed conifer forest conditions, North Kaibab Ranger District, Arizona, USA [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. 163-164.

**Seton, Ernest Thompson**

- 1929 19.1469 *Lives of game animals : an account of those land animals in America, north of the Mexican border, which are considered "game," either because they have held the attention of sportsmen, or received the protection of law. Volume I—Part I. Cats, wolves, and foxes*. Garden City, New York: Doubleday, Doran and Co., Inc., 337 pp. [See p. 91, cougar.]
- 1929 19.1470 *Lives of game animals : an account of those land animals in America, north of the Mexican border, which are considered "game," either because they have held the attention of sportsmen, or received the protection of law. Volume III—Part I. Hoofed animals*. Garden City, New York: Doubleday, Doran and Co., Inc., 412 pp. [See pp. 336-337, mule-deer.]
- 1929 19.1471 *Lives of game animals : an account of those land animals in America, north of the Mexican border, which are considered "game," either because they have held the attention of sportsmen, or received the protection of law. Volume IV—Part I. Rodents, etc*. Garden City, New York: Doubleday, Doran and Co., Inc., 440 pp. [See p. 69, tassel-eared squirrel.]

**Sevigny, Melissa L.**

- 2023 19.6793 Tenacious specimens. A survey of the Grand Canyon's plants by the first non-Native women to run the river—and survive. *High Country News*, 55(5) (May): 34-41.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

[Excerpt from Sevigny’s forthcoming book, *Brave the Wild River: The Untold Story of Two Women Who Mapped the Botany of the Grand Canyon.*]

- 2023 19.6798 *Brave the wild river : the untold story of two women who mapped the botany of the Grand Canyon.* New York: W. W. Norton and Co., 290 pp. [About Elzada Clover and Lois Jotter on a Nevills Expedition trip on the Colorado River through Grand Canyon.]  
 ≡ REVIEWS AND NOTICES Lawton, 2023, ITEM NO. 30.1633; Lindley, 2023, ITEM NO. 30.1651; White, 2023, ITEM NO. 30.1669 *NEW YORK TIMES*: Blum, 2023, ITEM NO. 3.1999

[**BIBLIOGRAPHICAL NOTE:** In 2023, Amazon.com promoted a title, *Summary of Brave the Wild River*, which was only a contrived “summary and analysis” of the book, perhaps produced with the use of Artificial Intelligence software. Two items were seen in November 2023; one by “Ben Isaac”, with a cover photo of two young women sitting on a wall alongside an undefined riparian stream (certainly neither the Colorado River nor the Grand Canyon), the other, with no cover illustration, by “John L. Lemon”. The first title advertises in broken English, “This is not a book by Melissa L. Sevignys nor is it affiliated with them. It is an independent publication that summarizes Sevigny’s book in details.” The second title, in similarly broken English, advertises, “This is an independent publication by John L. Lemon that summarizes Melissa L. Sevigny’s book in details[.]” The contents of the outline is never to supplant the original book but rather to help readers figure out a smart read. This outline has been approximately created nailing down the fundamental central issues and realities, and summoned to assist developing comprehension you might intepret the book.” A Kindle electronic tablet version attributes the author as “LIFE Summary” and adds to the unillustrated title image, “(A guide to Melissa L. Sevigny book)”; it also noted (citing a different “author”): “Disclaimer!! This is not a book by Melissa L. Sevigny, nor is it affiliated with them. It is an independent publication by Nora Alonzo that summarizes Melissa L. Sevign’s book in detail. It is a summary. The contents of the outline are never to replace the original book but rather to help readers figure out a smart read. This outline has been approximately created nailing down the fundamental central issues, and realities, and summing up subtleties to assist in developing comprehension you might interpret the book.” Such productions are not cited in this bibliography, but this note is added here as a matter of contemporary bibliography focusing on one conventionally published title. Note the various attributed authors and similar (though not perfectly identical) disclaimers. This bibliographical note also serves as a cautionary example of what probably are artificially produced texts that may be of interest to human who will research the evolution of AI, a technology that demonstrably can do terrible disservice to works that are more rigorous, human-guided surveys (not to overlook the intents and intellectual rights of the original authors!).]

- 2024 19.6951 Weeding the Grand Canyon; the search for an invasive plant, ghosts of the past and belonging on a journey downriver. *National Parks*, 98(3) (Summer): cover, 1, 42-50.

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**Artemisia filifolia Torrey** (pp. 102-106), "Mohave Co.: Grand Canyon-Parashant National Monument, Black Canyon, *Atwood 27891* (UTC)."]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**Southwest Condor Working Group (Smith, Brenda; Graham, Stephanie; Parish, Chris; Hauck, Tim; Zufelt, Allen; Day, Keith; Holm, Greg; Terwilliger, Miranda; Bromley, Cassity; Spence, John; Kline, Natasha; Young, Jeff; Church, Lisa; Bulletts, Danny, Jr.; Smith, Chad; AND Allard, Ruth)**

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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- 2018 19.6262 *Natural Resource Condition Assessment : Greater Grand Canyon Landscape Assessment*. Fort Collins, Colorado: U.S. National Park Service, Natural Resource Stewardship and Science, 421 pp. (Natural Resource Report NPS/GRCA/NRR-2018/1645.)

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- 1908 19.4652 Notes on the breeding habits of *Phrynosoma cornutum* and other Texas lizards. *Biological Society of Washington, Proceedings* (Washington, D.C.), 21: 165-170. [See p. 166, quotation of correspondence from A. G. Ruthven, which states: "Mr. Adams, of the University of Chicago, has forwarded to me your letter of April 20 in regard to the horned toad. This specimen is in our Museum here. It is a large example of *P. hernandesi* and was taken in the Grand Canon of Colorado [*sic*], near Bright Angel Trail, on July 10, 1904. It was sent here [University of Michigan] alive and on July 29, gave birth to 13 young." (ENTIRE NOTE)] [*P. cornutum*, the Texas lizard, also known as a horned toad among other names.]

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- 2012 19.3570 Target birds: The truly imperiled. Part 1: California condor. *Sketches* (San Diego Audubon Society), 63(6) (February): 3-4, 6.

**Strecker, Angela L., AND Olden, Julian D.**

- 2010 19.3719 Prioritizing present and future conservation efforts for native fishes in the lower Colorado River basin [ABSTRACT]. *Desert Fishes Council, 42nd Annual Meeting, 17-21 November 2010, Moab, Utah*, p. 8.
- 2014 19.6930 Fish species introductions provide novel insights into the patterns and drivers of phylogenetic structure in freshwaters. *Royal Society, Proceedings* (B, Biological Sciences), 281(1778) (January 22): 20133003, 9 pp. + Supplementary Data online. [Lower Colorado River Basin at large; includes Grand Canyon, Virgin River, and Lower Colorado River.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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- 2011 19.4151 Defining conservation priorities for freshwater fishes according to taxonomic, functional, and phylogenetic diversity. *Ecological Applications*, 21(8) (December): 3002-3013 + *Ecological Archives* A021-135-A1 through -A8 (Appendices A-H), -S1 (Supplement) ([www.esapubs.org/archive](http://www.esapubs.org/archive)). [Data from a lower Colorado River basin database for records from 1840-2009.]
- 2011 19.6704 Defining conservation priorities for freshwater fishes according to taxonomic, functional, and phylogenetic diversity. *Ecological Applications*, 21(8) (December): 3002-3013 + *Ecological Archives* A021-135-A1 through -A8 (Appendices A-H), -S1 (Supplement) ([www.esapubs.org/archive](http://www.esapubs.org/archive)). [Data from a lower Colorado River basin database for records during 1840-2009.]

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- 1918 19.3662 A petrified bird's nest. *The Oölogist*, 35(9) (September 1): v [following p. 130 at end of issue]. ["A petrified bird's nest with four eggs, all now solid rock, was found imbedded in a rock formation, in a cliff of the Grand Canyon. The bird was probably about the size of a robin.—The Classmate." (ENTIRE ITEM) Item probably submitted by Strong from *The Classmate*. Surely a travertine-enrobed artifact, probably from Havasu Canyon?] [*The Oologist*.] [For an illustration of the nest see Anonymous (1917, ITEM NO. 19.3668) and Anonymous (1921, ITEM NO. 19.4567 ).]

**Stroud-Settles, Janice**

- 2015 19.4646 Birding with a purpose. *Canyon Views* (Grand Canyon Association), 22(1) (Spring): 12-13.
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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- 2013 19.4214 *Surveying for southwestern willow flycatchers in Grand Canyon National Park, 2010-2012 : final project report.* U.S. National Park Service, Grand Canyon National Park, 60 pp.
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- 2007 19.2720 *Habitat structure and microclimate affect nest predation of the Southwestern willow flycatcher* (*Empidonax traillii extimus*). Master's thesis, Northern Arizona University, 64 pp.
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- 2017 19.5598 *Aquatic macroinvertebrate and physical habitat monitoring for Hermit, Garden, and Bright Angel Creeks in Grand Canyon National Park : 2015 summary report.* Fort Collins, Colorado: U.S. National Park Service, Natural Resource Program Center, 20, 22 pp. (U.S. National Park Service, Southern Colorado Plateau Network, Natural Resource Data Series, 2017/1110.)



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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- 2011 19.5599 *Aquatic macroinvertebrate and physical habitat monitoring for Hermit Creek in Grand Canyon National Park : 2009 summary report.* Fort Collins, Colorado: U.S. National Park Service, Natural Resource Program Center, 16 pp. (*U.S. National Park Service, Southern Colorado Plateau Network, Natural Resource Data Series, 2011/287.*)
- 2011 19.5600 *Aquatic macroinvertebrate and physical habitat monitoring for Hermit Creek, Garden Creek, and Bright Angel Creek in Grand Canyon National Park : 2010 summary report, revised March 2012.* Fort Collins, Colorado: U.S. National Park Service, Natural Resource Program Center, 35 pp. (*U.S. National Park Service, Southern Colorado Plateau Network, Natural Resource Data Series, 2012/265.*)
- 2012 19.5601 *Aquatic macroinvertebrate and physical habitat monitoring for Hermit Creek, Garden Creek, and Bright Angel Creek in Grand Canyon National Park : 2011 summary report.* Fort Collins, Colorado: U.S. National Park Service, Natural Resource Program Center, 35 pp. (*U.S. National Park Service, Southern Colorado Plateau Network, Natural Resource Data Series, 2012/418.*)
- 2014 19.5602 *Aquatic macroinvertebrate and physical habitat monitoring for Hermit Creek, Garden Creek, and Bright Angel Creek in Grand Canyon National Park : 2013 summary report.* Fort Collins, Colorado: U.S. National Park Service, Natural Resource Program Center, 41 pp. (*U.S. National Park Service, Southern Colorado Plateau Network, Natural Resource Data Series, 2014/737.*)

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- 1926 19.1592 Kaibab squirrel (*Sciurus kaibabensis*). Abert squirrel (*Sciurus aberti*). *Grand Canyon Nature Notes*, 1(1) (March 6): cover, 1-2.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-26|
- 1926 19.1593 Utah juniper (*Juniperus utahensis*). *Grand Canyon Nature Notes*, 1(1) (March 6): cover, 3.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-26|
- 1926 19.1594 Western yellow pine (*Pinus ponderosa*). *Grand Canyon Nature Notes*, 1(2) (April 7): 2-4.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-26|
- 1926 19.1595 Water ouzel (*Cinclus mexicanis* [*sic*]). *Grand Canyon Nature Notes*, 1(2) (April 7): cover, 4-6. [*Cinclus mexicanus*, the water ouzel or American dipper.] [Hand-drawn cover art signed "EFS" (*i.e.*, Mrs. Sturdevant, Eileen F. Sturdevant).]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|

<sup>81</sup> Numerous items in early issues of *Grand Canyon Nature Notes* have been attributed without author (cited as "Anonymous" by convention in this bibliography). However, beginning with Vol. 1, no. 12 (May 31, 1927), the masthead on p. 1 lists G. E. Sturdevant as a by-line (not editor) for entire issues; thus citations herein have been emended where necessary. Issue by-lines ceased with Sturdevant's death; the final issue with it was Vol. 3, no. 7 (January 15, 1929).

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 1926 19.1596 Pinon pine (*Pinus edulis*). *Grand Canyon Nature Notes*, 1(3) (May 13): 1-3.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|
- 1926 19.1597 Long-crested jay (*Cyanocitta stelleri diademata*). *Grand Canyon Nature Notes*, 1(3) (May 13): cover, 4-5.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|
- 1926 19.1598 Dragon fly. *Grand Canyon Nature Notes*, 1(4): 3.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|
- 1926 19.1599 "Mescal" (*Agave utahensis*). *Grand Canyon Nature Notes*, 1(4) (June 26): cover, [3]-"2" [*i.e.* 3-4].  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 119| |CITED» GCNHA Monograph 8: page 4-27|
- 1926 19.1600 Daily battles. *Grand Canyon Nature Notes*, 1(4): 6. [Doodle bug.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|
- 1926 19.1601 American beaver (*Castor canadensis mexicanus*). *Grand Canyon Nature Notes*, 1(5) (August 16): cover, 1-4.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|
- 1926 19.1602 Courtin' time. *Grand Canyon Nature Notes*, 1(5) (August 16): 5-6. [Deer.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|
- 1926 19.1603 Cliff rose (*Cowania Stansburiana*). *Grand Canyon Nature Notes*, 1(6) (September 22): cover, 1-2.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|
- 1926 19.1604 The common skunk (*Mephitis mephitis*). *Grand Canyon Nature Notes*, 1(7) (November 11): cover, 1-4.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|
- 1926 19.1605 The turkey buzzard (*Cathartes aura*). *Grand Canyon Nature Notes*, 1(8) (December 16): cover, 1-2.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|
- 1926 19.1606 Cats claw (*Acacia greggii*). *Grand Canyon Nature Notes*, 1(8) (December 16): 2-3.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 1926 19.1607 Bear? *Grand Canyon Nature Notes*, 1(8) (December 16): 4-5. [Three putative reports of bear in Grand Canyon: on upper Bright Angel Trail (mountain sheep tracks), near Monument Creek (feral burro tracks), and "near the edge of Grand Canyon village" (dog tracks).]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|
- 1927 19.1608 Conservation. *Grand Canyon Nature Notes*, 1(9) (January 10): 5.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|
- 1927 19.1609 A winter resident. *Grand Canyon Nature Notes*, 1(11) (March 1) [April 16]: cover, 1. [Western robins.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|
- 1927 19.1610 Wild goose. *Grand Canyon Nature Notes*, 1(11) (March 1) [April 16]: 2. [Canadian goose seen along Bright Angel Creek by M. R. Tillotson.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|
- 1927 19.16 Flora of the Tonto Platform. *Grand Canyon Nature Notes*, 1(12) (May 31): cover, 1.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 86| |CITED» GCNHA Monograph 8: page 4-9|
- 1927 19.17 Antelope happenings. *Grand Canyon Nature Notes*, 1(12) (May 31): 2-3.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 86| |CITED» GCNHA Monograph 8: page 4-9|
- 1927 19.18 Mountain sheep visits studio. *Grand Canyon Nature Notes*, 1(12) (May 31): 3-4. [Kolb Studio.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 118| |CITED» GCNHA Monograph 8: page 12-8|
- 1927 19.19 Arizona red-bud. *Grand Canyon Nature Notes*, 1(12) (May 31): 4.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 86| |CITED» GCNHA Monograph 8: page 4-9|
- 1927 19.20 Fox holds up party. *Grand Canyon Nature Notes*, 2(1) (June 30): 2. [South Kaibab Trail, during a visit by John C. Merriam.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 86| |CITED» GCNHA Monograph 8: page 4-9|
- 1927 19.1611 Cats and polecats. *Grand Canyon Nature Notes*, 2(3) (August 31): 1-2. [Dario Travanini troubles with animals beneath his home: domestic cats and skunks.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|
- 1927 19.1612 Canyon rim roses. *Grand Canyon Nature Notes*, 2(3) (August 31): cover, 3.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|
- 1927 19.1613 "Pal". *Grand Canyon Nature Notes*, 2(3) (August 31): 4. [Ranger A. L. Brown at Bright Angel Ranger Station, North Rim, adopted deer fawn. "Pal" originally named

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- “Pot” after “the famous lion dog of ‘Uncle’ Jim Owens” and is popular with tourists.]  
 [See also Anonymous (1927, [ITEM NO. 19.24](#)).]  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 2: page 93](#) | [CITED» GCNHA Monograph 8: page 4-27](#)]
- 1927 19.5372 Pinon nuts. *Grand Canyon Nature Notes*, 2(4) (September 30): 3.
- 1927 19.1615 Mother grouse poses for movie camera. *Grand Canyon Nature Notes*, 2(4) (September 30): 3-4.  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 2: page 93](#) | [CITED» GCNHA Monograph 8: page 4-27](#)]
- 1927 19.21 Tame deer herd started in Grand Canyon. *Grand Canyon Nature Notes*, 2(5) (October 31): 1-2.  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 2: page 86](#) | [CITED» GCNHA Monograph 8: page 4-9](#)]
- 1927 19.22 Pet fawns introduced to snow and rain. *Grand Canyon Nature Notes*, 2(5) (October 31): cover, 3-4.  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 2: page 86](#) | [CITED» GCNHA Monograph 8: page 4-9](#)]
- 1927 19.23 A canyon culprit. *Grand Canyon Nature Notes*, 2(5) (October 31): 4. [Packrats. Regarding Herbert Maier (architect of Yavapai Observation Station, not mentioned by name) having had his spectacles nearly stolen by a packarat at the Pipe Creek cabin.]  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 2: page 86](#) | [CITED» GCNHA Monograph 8: page 4-9](#)]
- 1927 19.24 Pal killed by mountain lion. *Grand Canyon Nature Notes*, 2(7) (December 15): 1. [Kaibab deer. Refer to Sturdevant (1928, [ITEM NO. 19.1613](#)).]  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 2: page 86](#) | [CITED» GCNHA Monograph 8: page 4-9](#)]
- 1927 19.25 Canyon walls are a barrier to migration. *Grand Canyon Nature Notes*, 2(7) (December 15): 1-2.  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 2: page 86](#) | [CITED» GCNHA Monograph 8: page 4-9](#)]
- 1927 19.26 Antelope reveals goat traits. *Grand Canyon Nature Notes*, 2(7) (December 15): 2.  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 2: page 86](#) | [CITED» GCNHA Monograph 8: page 4-9](#)]
- 1927 19.27 “Smoky” is an apt pupil. *Grand Canyon Nature Notes*, 2(7) (December 15): 2. [Deer fawn at Grand Canyon village.]  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 2: page 86](#) | [CITED» GCNHA Monograph 8: page 4-9](#)]
- 1927 19.28 Mountain sheep observed on canyon rim. *Grand Canyon Nature Notes*, 2(7) (December 15): 3. [Sighted at Yavapai Observation Station under construction.]  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 2: page 86](#) | [CITED» GCNHA Monograph 8: page 4-9](#)]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 1928 19.30 Nesting and food habits of the Abert squirrel at Grand Canyon. *Grand Canyon Nature Notes*, 2(8) (January 30): cover, 1-3. [Examination of twelve nests, South Rim.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 86| |CITED» GCNHA Monograph 8: page 4-9|
- 1928 19.1616 A near tragedy. *Grand Canyon Nature Notes*, 2(9) (February 28): 7. [Hawk loses rabbit prey.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|
- 1928 19.1617 Springtime at the Grand Canyon. *Grand Canyon Nature Notes*, 2(10) (March 31): 1.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|
- 1928 19.1618 Champion barker? *Grand Canyon Nature Notes*, 2(10) (March 31): 1-2. [Chipmunks.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|
- 1928 19.1620 Mountain sheep leads way up trail. *Grand Canyon Nature Notes*, 2(10) (March 31): 4. [Bright Angel Trail.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|
- 1928 19.1619 Deer leaps 1700 feet to death. *Grand Canyon Nature Notes*, 2(10) (March 31): 4. [Pet fawn at Yavapai Point.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|
- 1928 19.31 Inspecting a possible trout stream of Grand Canyon. *Grand Canyon Nature Notes*, 2(11) (April 30): cover, 1-6 [entire issue]. [Clear Creek. Unsigned, but author is Glen E. Sturdevant, as indicated in a reprint in *Progressive Arizona and the Great Southwest* (Sturdevant, 1928, ITEM NO. 19.1622).] [See also hand-drawn cover illustration, "Deer Horn shed on Tonto Plateau", signed "ES" (noted pp. 1-2).]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 86| |CITED» GCNHA Monograph 8: page 4-9|
- 1928 19.32 Red-shafted flicker nests on canyon rim. *Grand Canyon Nature Notes*, 2(12) (May 31): cover, 1.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 86| |CITED» GCNHA Monograph 8: page 4-9|
- 1928 19.33 Hermit steer of the canyon. *Grand Canyon Nature Notes*, 2(12) (May 31): 1-2.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 86| |CITED» GCNHA Monograph 8: page 4-9|
- 1928 19.5374 Deer arrive at Bright Angel Point. *Grand Canyon Nature Notes*, 2(12) (May 31): 2.
- 1928 19.34 Sea gull visits the park. *Grand Canyon Nature Notes*, 2(12) (May 31): 2. [South Kaibab Trail, "a short distance above Phantom Ranch".]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 86| |CITED» GCNHA Monograph 8: page 4-9|

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 1928 19.35 Kaibab squirrel plentiful. *Grand Canyon Nature Notes*, 2(12) (May 31): 3.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 86| |CITED» GCNHA Monograph 8: page 4-9|
- 1928 19.36 Results of a large crop of pinon nuts. *Grand Canyon Nature Notes*, 2(12) (May 31): 3.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 86| |CITED» GCNHA Monograph 8: page 4-9|
- 1928 19.5375 Lading of the Colorado River. *Grand Canyon Nature Notes*, 2(12) (May 31): 4.  
 [Observations of debris and domestic stock seen floating down the Colorado. Note of a "buffalo", which was identified by Havasupai Indians (who had just carried down a galvanized steel cable for the construction of Kaibab Bridge) as a "red and white cow".]
- 1928 19.1622 Inspecting a possible trout stream of Grand Canyon. *Progressive Arizona and the Great Southwest*, 6(6) (June): 21-23. [Clear Creek.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-44|
- 1928 19.37 Antelope for burros. *Grand Canyon Nature Notes*, 3(1) (June 30): 1-2.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 86| |CITED» GCNHA Monograph 8: page 4-9|
- 1928 19.39 Cassin vireo observed. *Grand Canyon Nature Notes*, 3(1) (June 30): 2.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 86| |CITED» GCNHA Monograph 8: page 4-9|
- 1928 19.38 Kaibab fawn captured. *Grand Canyon Nature Notes*, 3(1) (June 30): 2.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 86| |CITED» GCNHA Monograph 8: page 4-9|
- 1928 19.40 Mountain sheep comes up Bright Angel Trail. *Grand Canyon Nature Notes*, 3(1) (June 30): 4.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 86| |CITED» GCNHA Monograph 8: page 4-9|
- 1928 19.47 Champion barker. *Nature Magazine*, 12 (July): 6. [Without by-line, but reprinted from Sturdevant item in *Grand Canyon Nature Notes* (see ITEM NO. 19.1618).]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-9|
- 1928 19.1621 Ironwood (Knowlton's hornbeam). *Grand Canyon Nature Notes*, 3(2) (July 31): 2-3.  
 [*Ostrya knowltonii*.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|
- 1928 19.41 Dusky grouse on South Rim. *Grand Canyon Nature Notes*, 3(2) (July 31): 5.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 86| |CITED» GCNHA Monograph 8: page 4-9|
- 1928 19.42 Stubby. *Grand Canyon Nature Notes*, 3(3) (August 31): cover, 1-2. [Lizard, *Sceloporus magister*, living at U.S. Geological Survey cottage at Grand Canyon village; observed by A. H. Wilson.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 86| |CITED» GCNHA Monograph 8: page 4-9|

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 1929 19.1623 Lessons from the Grand Canyon. *Grand Canyon Nature Notes*, 3(7) (January 15): cover, 2-3. [Life zones.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|
- 1929 19.48 Clear Creek is stocked with trout. *Grand Canyon Nature Notes*, 3(7) (January 15): 3.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 86| |CITED» GCNHA Monograph 8: page 4-9|
- 1929 19.49 In time for refreshments. *Grand Canyon Nature Notes*, 3(7) (January 15): 3-4. [Deer looks in window during a meeting of the ladies' Grand Canyon Study Club.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 86| |CITED» GCNHA Monograph 8: page 4-9|
- 1929 19.1624 Fawns arrive from Kaibab. *Grand Canyon Nature Notes*, 3(8) (February 28): 4-5.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|
- 1929 19.1625 Beaver at Phantom Ranch. *Grand Canyon Nature Notes*, 3(8) (February 28): 5-6.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|
- 1994 19.1626 Canyon rim roses. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 60-61. [Reprinted from *Grand Canyon Nature Notes*, August, 1927.]
- 1994 19.1627 Catsclaw (*Acacia greggii*). *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 67. [Reprinted from *Grand Canyon Nature Notes*, December, 1926.]
- 1994 19.1628 Pinyon pine (*Pinus edulis*). *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 67-68. [Reprinted from *Grand Canyon Nature Notes*, May, 1926.]
- 1994 19.1629 Western yellow pine (*Pinus ponderosa*). *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 71-72. [Reprinted from *Grand Canyon Nature Notes*, April, 1926.]
- 1994 19.1630 Water ouzel. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 96-97. [Reprinted from *Grand Canyon Nature Notes*, April, 1926.]
- 1994 19.1631 Redshafted flicker nests on Canyon rim. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 98. [Reprinted from *Grand Canyon Nature Notes*, May, 1928.]
- 1994 19.1632 The turkey buzzard. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 100-101. [Reprinted from *Grand Canyon Nature Notes*, December, 1926.]
- 1994 19.1633 A winter resident. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 103-104. [Reprinted from *Grand Canyon Nature Notes*, March, 1927; robin.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 1994 19.1634 Champion barker. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 110-111. [Reprinted from *Grand Canyon Nature Notes*, March, 1928; chipmunk.]
- 1994 19.1635 Kaibab squirrel; Abert squirrel. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 114-115. [Reprinted from *Grand Canyon Nature Notes*, March, 1926.]
- 1994 19.1636 The common skunk. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 122-123. [Reprinted from *Grand Canyon Nature Notes*, November, 1926.]

**Sturdevant, Glen E. (Mrs.) [Sturdevant, Eileen Fourcade (later MacNicol)]**

- 1926 19.5674 [Cover art of water ouzel.] *Grand Canyon Nature Notes*, 1(2) (April 7): cover. [Hand-drawn cover art signed "EFS", accompanying the article by Glen E. Sturdevant (ITEM NO. 19.1595).] [NOTE: Many, but not all, subsequent issues of *Grand Canyon Nature Notes* include hand-drawn cover art signed "ES"; and they continue to appear until the death of Glen Sturdevant. It is thus very likely that the artist was Mrs. Sturdevant, but inasmuch as the initials can also be confused with contemporary Ranger-Naturalist E. T. Scoyen, specific credits are omitted in this bibliography for now. —E.E.S., March 2017.]
- 1927 19.1614 Crossbill. *Grand Canyon Nature Notes*, 2(4) (September 30): cover, 1-2. [See also Mrs. Sturdevant (1927, ITEM NO. 19.1637).]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|
- 1927 19.1637 Crossbill winters at Grand Canyon. *Grand Canyon Nature Notes*, 2(7) (December 15): 3. [Follow-up on item by Mrs. Sturdevant (1927, ITEM NO. 19.1614).]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|
- 1928 19.1638 Oswald. *Grand Canyon Nature Notes*, 3(3) (August 31): 4-5. [Field mouse.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|
- 1928 19.1639 Bird baths. *Grand Canyon Nature Notes*, 3(4) (September 30): cover, 4-5. [Basins made from limestone rocks.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|
- 1928 19.1640 Ring-tailed cats. *Grand Canyon Nature Notes*, 3(5) (October 31): cover, 3-4.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|
- 1994 19.1641 Crossbill. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 104-105. [Reprinted from *Grand Canyon Nature Notes*, September, 1927.]
- 1994 19.1642 Ringtailed cats. *In*: Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes*. Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 120-122. [Reprinted from *Grand Canyon Nature Notes*, October, 1928.]



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**Stutz, Howard C., AND Sanderson, Stewart C.**

- 1983 19.4511 Evolutionary studies of *Atriplex*: Chromosome races of *A. confertifolia* (shadscale). *American Journal of Botany*, 70(10) (November/December): 1536-1547. [Within the scope of this bibliography, data include *A. confertifolia* from Gray Mountain, Cameron, 8 miles South of The Gap, and Navajo Bridge.]

**Stutz, Howard C.; Chu, Ge-Lin; AND Sanderson, Stewart C.**

- 1994 19.1643 *Atriplex asterocarpa* (Chenopodiaceae), a new species from southern Utah and northern Arizona. *Madroño*, 41(3): 199-204.

**Sublette, James E.; Stevens, Lawrence E.; AND Shannon, Joseph P.**

- 1998 19.1644 Chironomidae (Diptera) of the Colorado River, Grand Canyon, Arizona, USA, I: Systematics and ecology. *Great Basin Naturalist*, 58(2): 97-146. [For part 2, see Stevens, Sublette, and Shannon (1998, [ITEM NO. 19.1582](#)).]

**Suckling, Kieran**

- 1994 19.5822 Indications of ruin: Can the goshawk and spotted owl save the forests of the Southwest? *Wild Forest Review* (Portland, Oregon), 1(9) (September/October): 22-25. [See "Northern Goshawk—Managing an Ecosystem to Death" (pp. 23-25), which includes the Kaibab Plateau.]
- 1996 19.1645 *Fire and forest ecosystem health in the American Southwest*. Tucson: Southwest Center for Biological Diversity, 10 pp.

**Sudworth, George B.**

- 1897 19.3206 Nomenclature of the arborescent flora of the United States. *U.S. Department of Agriculture, Division of Forestry, Bulletin 14*, 418 pp. [See p. 147, *Ostrya knowltonii*.]
- 1898 19.3207 Check list of the forest trees of the United States, their names and ranges. *U.S. Department of Agriculture, Division of Forestry, Bulletin 17*, 144 pp. [See p. 50, *Ostrya knowltoni* (sic). *Ostrya knowltonii* Cov.]
- 1934 19.5012 Poplars, principal tree willows and walnuts of the Rocky Mountain region. *U.S. Department of Agriculture, Technical Bulletin 420*, 111 pp.

**Sugarman, Barbara**

- 2014 19.4548 Has Pandora's Box been opened? A study on Pandora moths in northern Arizona [ABSTRACT]. *In: Northern Arizona University, 2014 Undergraduate Symposium Abstracts*. Flagstaff, Arizona: Northern Arizona University, p. 187.

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**Suksdorf, Wilhelm**

- 1931 19.6696 Untersuchungen in der Gattung *Amsinckia*. *Werdenda* (Beiträge zur Pflanzenkunde) (Bingen, Washington), 1(5/8) (December 31): 47-113. [See pp. 84-85, *Amsinckia nana*, new species; holotype "Ariz.; Hermit Creek, Grand Canyon of the Colorado River, 10. April 1917, Alice Eastwood, nr. 6016 (C. A.)"; and see p. 108, *A. macrosepala*, new species; isotypes include "Grand Canyon, 1885, Gray (G. H.)". [In German.]
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**Sullivan, Kathy**

- 2007 19.3896 Why non-lead ammunition? *Pronghorn* (Arizona Antelope Foundation), (2nd Quarter): 6-7. [Regarding California condor lead poisoning.]
- 2009 19.2909 Condor update. *Osprey Overlook* (White Mountain Audubon Society, Arizona), (March/April): [2]. [California condors.]

**Sullivan, Kathy; Sieg, Ron; AND Parish, Chris**

- 2005 19.5309 Efforts to reduce California condor lead exposure in Arizona [ABSTRACT]. *In: Abstracts : One hundred and twenty-third Stated Meeting of the American Ornithologists' Union, 23-27 August 2005 at the University of California, Santa Barbara, CA*, abstract s53. [American Ornithologists' Union, 123rd Meeting. Volume notes: "The abstracts in this work are not issued for the permanent scientific record."]
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**Sullivan, Larry**

- 2003 19.4289 Rodent management. *In: Baker, Paul B., and Carlo, Louis (compilers), Agricultural fumigation guide for the Arizona Private Pesticide Applicator Certification : updated December 5, 2003*. Tucson: University of Arizona, Pesticide Information and Training Office, for Arizona Department of Agriculture, p. 10. [Notes briefly: "Although Norway rats [*Rattus norvegicus*] have often been reported in Arizona, they have only been positively identified, to date, on two occasions. A Norway rat was identified taken from Tucson, in 1893 and one taken near the Grand Canyon in 1958." (ENTIRE NOTE)]
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**Sullivan, Marie**

- 1995 19.1646 Southwestern willow flycatcher. *Arizona Riparian Council, Newsletter*, 8(1) (Winter): 7.
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**Sullivan, T. J.; McDonnell, T. C.; McPherson, G. T.; Mackey, S. D.; AND Moore, D.**

- 2011 19.4901 Evaluation of the sensitivity of inventory and monitoring national parks to nutrient enrichment effects from atmospheric nitrogen deposition; Southern Colorado Plateau Network (SCPN). *U.S. National Park Service, Natural Resource Report NPS/NRPC/ARD/NRR-2011/330*, paginated SCPN-1–SCPN-22.
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**Sun, F.-J., AND Downie, S. R.**

- 2004 19.4359 A molecular systematic investigation of *Cymopterus* and its allies (Apiaceae) based on phylogenetic analyses of nuclear (ITS) and plastid (*rps16* intron) DNA sequences. *South African Journal of Botany*, 70(3): 407-416. [Also lists new GenBank accessions, which include *Aletes macdougallii* J.M. Coult. & Rose subsp. *macdougallii*, from "Grand Canyon, Kaibab Trail to Roaring Springs, 23 June 1933, Eastwood & Howell 986 (UC)" (p. 409).]

**Sundell, Eric**

- 1990 19.1647 Notes on Arizona *Asclepias* (Asclepiadaceae) with a new combination. *Phytologia*, 69(4): 265-270.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-44|
- 1994 19.1648 Asclepiadaceae; milkweed family. [In: A new flora for Arizona in preparation.] *Arizona-Nevada Academy of Science, Journal*, 27(2): 169-187.

**Suttkus, Royal D., AND Clemmer, Glenn H.**

- 1977 19.1649 The humpback chub, *Gila cypha*, in the Grand Canyon area of the Colorado River. *Tulane University, Museum of Natural History, Occasional Papers*, (1), 30 pp.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|
- 1978 19.1650 Fishes of the Colorado River in Grand Canyon National Park. In: *Proceedings of the 1st Annual Conference on Scientific Research in the National Parks, Volume 1*, pp. 599-604.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-27|

**Suttkus, Royal D.; Clemmer, Glenn H.; AND Jones, Clyde**

- 1978 19.1651 Mammals of the riparian region of the Colorado River in the Grand Canyon area of Arizona. *Tulane University, Museum of Natural History, Occasional Papers*, (2), 23 pp.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-27| FQ13:433 FQ19:587 FQ21:531 FQ24/2:846

**Suttkus, Royal D.; Clemmer, Glenn H.; Jones, Clyde, AND Shoop, C. Robert**

- 1976 19.1652 *Survey of fishes, mammals, and herpetofauna of the Colorado River in Grand Canyon*. New Orleans, Louisiana: Tulane University, *Colorado River Research Program, Technical Report 5* (Grand Canyon National Park, Colorado River Research Series, Contribution 34), 48 pp. (National Technical Information Service PB 267718/AS.) [Title-page carries title: *Survey of fishes, mammals and herpetofauna of the Colorado River and adjacent riparian areas of the Grand Canyon National Park*.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-27|

**Sutton, Ann, AND Sutton, Myron**

- 1955 19.1653 Arizona's tassel-eared clowns. *Arizona Highways*, 31(6) (June): 38-39. [Squirrels.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 93| |CITED» GCNHA Monograph 8: page 4-27|

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**Svinarenko, Igor [Свинаренко, Игорь]**

- 1999 19.4069 Бабочка и смерть [Babochka i smert'] [Butterfly and death]. *Власть* [Vlast'] [Power] (Moskva), (16)(317) (April 27): [unpaginated]. [See illustrated sidebar, "Энтомология русской литературы; Набоков открыл 20 видов бабочек и дал им названия" [Entomologiya russkoy literatury; Nabokov otkryl 20 vidov babochek i dal im nazvaniya] [Entomology of Russian literature; Nabokov discovered 20 species of butterflies and gave them names], which includes note of a butterfly from Grand Canyon, *Cyllopsis pertepida dorothea* (see Nabokov, 1942, ITEM NO. 19.2212).] [In Russian.]

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**Swain, J. M.**

- 1924 19.6018 The allies of *Ips confusus* Lec. in western America; Family Ipidae, Coleoptera. *Canadian Entomologist*, 56(3) (March): 69-72. [NOTE: Cited here with question. Le Conte (1876, ITEM NO. 19.6017), p. 364, named the new species *Tomicus confusus* based on three specimens from "Southern California and Arizona"; no further information relating to the type localities is known. Swain (pp. 69-70) selected Le Conte's "California" specimen, in the Agassiz Museum, Harvard University, as the type for *Ips confusus* (Le Conte); he selected the "Arizona specimen" as the holotype of *Ips lecontei*, new species. Inasmuch as the genus represents forest beetles, it is not likely that the California specimen came from a locality pertaining to the lower Colorado River region as defined in this bibliography (thus neither Le Conte nor Swain are cited in Part 11, Section 1). However, the genus is widely distributed, including the Grand Canyon region and higher elevations of Arizona, and although it is less likely that Le Conte's specimen is from the immediate Grand Canyon region, both Le Conte's and Swain's papers are cited here conditionally.]

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**Swank, Wendell G.**

- 1997 19.3851 History of the Kaibab deer herd, beginning to 1968. *In*: DeVos, James C., Jr. (ed.), *Proceedings of the 1997 Deer/Elk Workshop, Rio Rico, Arizona*. [Phoenix]: Arizona Game and Fish Department, pp. 14-23.

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**Swarth, Harry S.**

- 1914 19.1654 A distributional list of the birds of Arizona. *Pacific Coast Avifauna* (Cooper Ornithological Club), (10), 133 pp.  
 ≡ CROSS-LISTINGS [CITED» GCNHA Monograph 8: page 4-44] FQ9:585 FQ10:336 FQ11:398 FQ12:450 FQ12B:184 FQ13:435 FQ15:491 FQ18:375 FQ24/2:848
- 1922 19.4066 The Bohemian waxwing: A cosmopolite. *University of California Chronicle*, 24(4) (October): frontispiece, 450-455. [See p. 453, note on observation of a flock of waxwings at El Tovar, Grand Canyon, December 18, 1919.]

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**Swarth, Harry S., AND Swarth, Winifern W.**

- 1920 19.1655 Some winter birds at the Grand Canyon, Arizona. *The Condor*, 22: 79-80.  
 ≡ CROSS-LISTINGS [CITED» GCNHA Monograph 8: page 4-44]
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**SWCA Environmental Consultants**

- 2004 19.3673 *Southwestern willow flycatcher surveys, demography, and ecology along the lower Colorado River and tributaries, 2003.* Flagstaff, Arizona: SWCA Environmental Consultants, for U.S. Bureau of Reclamation, Boulder City, Nevada, 125 pp. + appendices. [See "Grand Canyon, Arizona", pp. 20-24; Separation Canyon to Columbine Falls.]
- 2005 19.3674 *Southwestern willow flycatcher surveys, demography, and ecology along the lower Colorado River and tributaries, 2004.* Flagstaff, Arizona: SWCA Environmental Consultants, for U.S. Bureau of Reclamation, Boulder City, Nevada, 155 pp. + appendices. [See "Grand Canyon, Arizona", pp. 20-25; Separation Canyon to Columbine Falls.]

**SWCA, Inc.**

- 1993 19.1656 *Monitoring and evaluating the impacts of Glen Canyon Dam interim flows on riparian communities in the lower Grand Canyon : final annual report 1992;* submitted to Hualapai Tribe. [Flagstaff, Arizona, and Tucson]: SWCA, Inc., 29 pp. + appendices.

**SWCA, Inc., AND Grand Canyon Wildlands Council**

- 2006 19.2879 *Bright Angel Creek and Roaring Springs Creek predator load survey and nonnative fish removal study.* SWCA, Inc., for U.S. National Park Service, Grand Canyon National Park, 15 pp.

**Swearingen, Jil, AND Saltonstall, Kristin**

- 2010 19.3843 *Phragmites field guide: Distinguishing native and exotic forms of common reed (Phragmites australis) in the United States.* [No place]: Plant Conservation Alliance, Weeds Gone Wild, 34 pp. [Regarding Grand Canyon specifically, see photo, p. 12, "Native *Phragmites* in the Grand Canyon, Arizona."]

**Sweat, Ken G.**

- 1996 19.6089 The California condor: Soaring over Arizona again? *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 32(3) (April): 8.

**Sweat, Ken G.; Gremillion, P. T.; AND Nash, Thomas H., III**

- 2010 19.3346 Mercury concentrations in the lichen *Xanthoparmelia* spp. in the greater Grand Canyon region of Arizona, USA. *In:* Nash, Thomas H., III, Geiser, Linda, McCune, Bruce, Triebel, Dagmar, Tomescu, Alexandru M. F., and Sanders, William B. (eds.), *Biology of lichens—symbiosis, ecology, environmental monitoring, systematics and cyber applications; selected papers related in part to the IAL 6 Symposium, Asilomar, California, 2008. Bibliotheca Lichenologica*, Volume 105, pp. 93-102. [International Association for Lichenology.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Sweat, Ken G.; Iselin, William A.; Bates, Scott T.; AND Nash, Thomas H., III**

- 2004 19.2511 The lichens of Parashant National Monument, Arizona: A preliminary study. *Arizona-Nevada Academy of Science, Journal*, 37(2) (July): 85-90. [Grand Canyon-Parashant National Monument.]

**Sweat, Ken G.; Nash, Thomas H., III; Prapaipong, Panjai; AND Gremillion, Paul**

- 2008 19.4349 Geographic patterns of trace metal deposition using the lichen *Xanthoparmelia* in northern and central Arizona, USA [ABSTRACT]. *In: Abstracts for IAL 6-ABLS Joint Meeting (2008)*. International Association for Lichenology, and American Bryological and Lichenological Society, [unpaginated]. [Notes two study areas, "The northern, rural area consisted of 51 locations within or near Grand Canyon National Park"; the second area in Maricopa County.]

**Swedo, Suzanne**

- 2013 19.4158 Prickly pear cactus. *Grand Canyon River Runner*, (16) (Winter): 6-8.

**Swenson, Keith**

- 2003 19.5792 [Vasey's Paradise.] *From:* Grand Canyon; the plants and animals [SECTION]. *In:* Vail, Tom, *Grand Canyon : a different view*. Green Forest, Arkansas: Master Books, pp. 82-83. [Creationist perspective.]
- 2018 19.5793 [Vasey's Paradise.] *From:* Grand Canyon; the plants and animals [SECTION]. *In:* 湯姆 韦尔 [Vail, Tom], 大峡谷 : 一个非凡的视野 [Dà xiágǔ : yīgè fēifán de shìyě] [*Grand Canyon : an extraordinary vision*]. Green Forest, Arkansas: Master Books, pp. 82-83. [In the translation of Vail's (2003) *Grand Canyon : a different view*.] [Creationist perspective.] [*In Chinese.*]

**Swingle, Walter T.**

- 1904 19.5890 The date palm and its utilization in the southwestern states. *U.S. Department of Agriculture, Bureau of Plant Industry, Bulletin 53*, 155 pp. [Principally lower Colorado River region when discussing this part of the Southwest, but includes occasional references to Grand Canyon and locales in the vicinity of the canyon.]  
 ≡ [REVIEWS AND NOTICES Anonymous, 1904, ITEM NO. 30.1067](#)

**Sylvain, Diane**

- 2011 19.3371 The one-eyed squirrel of Ooh-Aah Point. *High Country News*, (May 30):.

**Sylvester, Alfred W.; Gaud, William S.; AND States, Jack S.**

- 1994 19.1657 Effects of herbivory by Abert squirrels (*Sciurus aberti*) on cone crops of ponderosa pine. *Journal of Mammalogy*, 75(3): 700-703.

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**Szczerkowska-Majchrzak, Eliza, AND Grzybkowska, Maria**

- 2008 19.2889 Piętrzenia rzek i energia wodna; za i przeciw. Impounding rivers, and water power: Pros and cons. *Kosmos: Problemy Nauk Biologicznych* (Polskie Towarzystwo Przyrodników im. Kopernika, Lwów, Poland), 57(3/4) (280/281): 295-303. [Ecology.] [In Polish, with bilingual title and abstract.]
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**Szyposzynski, Halina**

- 2007 19.6099 Humpback chub: A volunteer's postscript. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 43(6) (November/December): 8.
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**T., L. R.**

- 1895 19.6680 Changes in faculty. *The Speculum* (Agricultural College, [East Lansing], Michigan), 14(2)(89) (September 15): 1-2. [Regarding Arthur B. Cordley, who "succeed[s] U. P. Hedrick as assistant in horticulture in the Experiment Station". See p. 2, "While in this work [with the U.S. Department of Agriculture] . . . during the summer of 1892 [he] made an extensive collecting trip through some of the roughest portions of Arizona, including a part of the Grand Canon." (ENTIRE NOTE) Cordley was at Grand Canyon with a naturalists' expedition that stayed with John Hance; refer to the register entry of Toumey and Wooton (1899, ITEM NO. 2.13884), and refer also particularly to entries under C. H. Tyler Townsend.]
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**Talakte, Alice J.**

- 2003 19.2365 My sister, the juniper tree; a comparison of a juniper tree and myself. *Nature Notes* (Grand Canyon National Park), 19(1) (Winter 2002-2003): 4 [two-page fold-out].
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**Tallent-Halsell, Nita G., AND Walker, Lawrence R.**

- 2002 19.2353 Responses of *Salix gooddingii* and *Tamarix ramosissima* to flooding. *Wetlands*, 22(4): 776-785.
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**Tallon, James**

- 1966 19.2650 Fishing Glen Canyon. *Western Gateways*, 6(2): 16-. [Glen Canyon Dam to Lees Ferry.]
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**Tamarisk Coalition**

- NO DATE 19.6010 *Why are my trees brown? Tamarisk and the tamarisk beetle.* Grand Junction, Colorado: Tamarisk Coalition, folded pamphlet.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 2009 19.3943 *Colorado River basin tamarisk and Russian olive assessment.* Grand Junction, Colorado: Tamarisk Coalition, for Central Arizona Water Conservation District, Colorado Water Conservation Board, New Mexico Interstate Stream Commission, Six Agency Committee, Southern Nevada Water Authority, Utah Division of Water Resources, and Wyoming State Engineer's Office, SEPARATELY PAGINATED SECTIONS [329 pp. total]. (Document preparation managed by Gerald Zimmerman and Tom Ryan.)
- 2012 19.3618 *Tamarisk Coalition's tamarisk leaf beetle monitoring program evaluation, 2007-2011.* Grand Junction, Colorado: Tamarisk Coalition, 14, 2, 7 pp.

**Tang, Shunxue, AND Knapp, Steven J.**

- 2003 19.5976 Microsatellites uncover extraordinary diversity in Native American land races and wild populations of cultivated sunflower. *Theoretical and Applied Genetics*, 106(6) (April): 990-1003. [Includes Havasupai cultivar.]

**Tanner, Vasco M.**

- 1939 19.6359 A study of the genus *Scaphiopus*; the spade-foot toads. *Great Basin Naturalist*, 1(1) (July 25): 3-21, 23, 25. [See *Scaphiopus intermontanus* (Cope), Great Basin spacefoot toad (pp. 13-16, Plates 2, 3); material examined includes "Jacobs Lake, Kaibab Forest, July, 1927, V. M. Tanner" (ENTIRE NOTE).]

**Tanner, Wilmer W.**

- 1953 19.5590 A study of taxonomy and phylogeny of *Lampropeltis pyromelana* Cope. *Great Basin Naturalist*, 13(1/2) (September 12): 47-66. [See *Lampropeltis* [sic] *p. infralabialis* [sic], new subspecies (pp. 56-60); paratypes include "Grand Canyon Collection R3, R260-2, R291, R372, and UU 21 all from or near Bright Angel Point, North Rim of Grand Canyon". Taxon spelled correctly in key to subspecies (p. 60) and elsewhere throughout paper: *Lampropeltis infralabialis*.]
- 1957 19.5005 A taxonomic and ecological study of the western skink (*Eumeces skiltonianus*). *Great Basin Naturalist*, 17(3/4) (December 31): 59-94. [Includes *E. s. utahensis* in Kaibab Plateau region.]

**Tanski, Natalie**

- 2017 19.5883 Impacts of a recent wildfire and major flash flood on endangered humpback chub habitat—Shinumo Creek, Grand Canyon [ABSTRACT]. *Annual Symposium : Arizona Hydrological Society : Flagstaff, Arizona, High Country Conference Center, September 6-9, 2017.*

**Tansley, A. G.**

- 1914 19.2125 International Phytogeographical Excursion (I.P.E.) in America, 1913. (concluded). *New Phytologist*, 13(10) (December): 325-333. [Notes, *in passing*, a side trip to Grand Canyon, with no details, pp. 330, 331.]



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Tarnita, Corina E.; Bonachela, Juan A.; Sheffer, Efrat; Guyton, Jennifer A.; Coverdale, Tyler C.; Long, Ryan A.; AND Pringle, Robert M.**

- 2017 19.6513 A theoretical foundation for multi-scale regular vegetation patterns. *Nature* (London), 541 (January 19): 398-401 + Supplementary Information with online version of the paper, 32 pp. [Data in paper include "Arizona", without specific locality. Supplementary Information, p. 16, includes notice of the research by Sparavigna (2016, ITEM NO. 19.6511), which included the identification of ant activity in satellite imagery of Toroweap Valley, Grand Canyon.]

**Tausch, Robin J., AND Hood, Sharon M.**

- 2007 19.4305 Pinyon/juniper woodlands. *In*: Hood, Sharon M., and Miller, Melanie (eds.), Fire ecology and management of the major ecosystems of southern Utah. *U.S. Forest Service, Rocky Mountain Research Station, General Technical Report RMRS-GTR-202*, pp. 57-71. [Includes Arizona Strip.]

**Taylor, Dwight W.**

- 1970 19.1658 West American freshwater Mollusca, 1: Bibliography of Pleistocene and Recent species. *San Diego Society of Natural History, Memoir 4*, 73 pp.  
 ≡ CROSS-LISTINGS [CITED» GCNHA Monograph 8: page 4-44]
- 1975 19.1659 Index and bibliography of late Cenozoic freshwater Mollusca of western North America. Claude W. Hibbard Memorial Volume 1. *University of Michigan, Papers on Paleontology*, (10), 384 pp.  
 ≡ CROSS-LISTINGS [CITED» GCNHA Monograph 8: page 4-44]

**Taylor, Jan**

- 2009 19.2975 Snake charmer. *Grand Canyon River Runner*, (8) (Spring): 10-11. [Rattlesnake at Elves Chasm.]

**Taylor, John R.**

- 2013 19.4100 Bat research and interpretive programming; increasing public interest in Pipe Spring National Monument. *Park Science* (U.S. National Park Service), 30(1) (Summer): 14-19.

**Taylor, N. P.**

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**Teclé, Aregai**

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**Temple, Bill**

- 2000 19.5355 Orchid and sightseeing tour of the West Coast of USA. *The Hardy Orchid Society Newsletter* (Stour Provost, Dorset, United Kingdom), (18) (October): 5-7. [See p. 6, brief remarks of having visited South Rim of Grand Canyon, and on North Rim "we saw *Goodyera oblongifolia* again and Weidemeyer's Admiral butterfly" (ENTIRE NOTE).]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**Tenneson, Karis; Patterson, Matthew S.; Mellin, Thomas; Nigrelli, Mark; Joria, Peter; AND Mitchell, Brent**

- 2018 19.5794 Development of a regional lidar-derived model with Bayesian model averaging for use in ponderosa pine and mixed conifer forests in Arizona and New Mexico, USA. *Remote Sensing*, 10(442), 28 pp. + Supplementary Materials (Table S1, 1 p.) online, doi:10.2290/10030442. [Includes Kaibab Plateau.]

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**Tepedino, Vincent J.; Mull, John; Griswold, Terry L.; AND Bryant, Gerald**

- 2014 19.5802 Reproduction and pollination of the endangered dwarf bear-poppy *Arctomecon humilis* (Papaveraceae) across a quarter century: Unraveling of a pollination web? *Western North American Naturalist*, 74(3): 311-324. [Study sites in extreme southwestern Utah. See p. 315, brief remark on investigations in adjacent regions, including the Arizona Strip; and p. 320, brief remark on the improbability of recolonizing of Utah sites from the Lake Mead region by sister species *A. californica*.]

**Terrazas, Dana**

- 2019 19.6173 Shelly Alam and Wendy Hodgson. Between the Garden's two longest-serving employees, their time here almost equals our 80 years of existence. But their dedication, passion, and love for the Garden certainly continues to grow. *Sonoran Quarterly* (Desert Botanical Garden, Phoenix), 73(1) (January): 5. [Includes note, *in passing*, of Hodgson's work in Grand Canyon. The photo of Hodgson is taken in the canyon.]

**Terrell, Terry T.**

- 1994 19.3290 Availability of a draft recovery plan for the Kanab ambersnail (*Oxyloma Haydeni kanabensis*) for review and comment. *Federal Register*, (September 29):.

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- 2020 19.6518 Grand Canyon bison herd reduction update. *Canyon Views* (Grand Canyon Conservancy), 27(2) (Fall/Winter): 23-27.
- 2023 19.6794 Wildlife projects on the North Rim. *Canyon Views* (Grand Canyon Conservancy), 30(2) (Spring/Summer): 6-9. [Bison, butterflies, and Kaibab squirrel.]
- 2023 19.6795 Fire ecology: Promoting a healthy ecosystem. *Canyon Views* (Grand Canyon Conservancy), 30(2) (Spring/Summer): 10-11.
- 2023 19.6813 Bringing bison into balance with the landscape. *Canyon Views* (Grand Canyon Conservancy), 30(3) (Winter 2023/2024): 4-5.

**Terwilliger, Miranda L. N., AND Holm, Gregory**

- 2021 19.6743 *Bi-annual surveys for southwestern willow flycatcher* (*Empidonax traillii extimus*) *along the Colorado River in Grand Canyon National Park : 2021 annual report*. Grand Canyon, Arizona: U.S. National Park Service, Grand Canyon National Park, Science and Resource Management, 18 pp. ("Report prepared for the Upper Colorado Region, Bureau of Reclamation. Interagency Agreement Number R18PG00066." "NOTE: Sensitive Natural Resource Information Removed from this version.")
- 2022 19.6844 Grand Canyon National Park bison herd reduction [ABSTRACT]. *In: 16th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 12-15, 2022, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, p. 183.

**Terwilliger, Miranda L. N.; Hartway, Cynthia R.; Schoenecker, Kate A.; Holm, Gregory; Zeigenfuss, Linda C.; Swan, Megan; Salganek, D. Skye; Buttke, Danielle; AND Musto, Dana T.**

- 2020 19.6691 *Management of the Kaibab Plateau bison herd in Grand Canyon National Park : 2019-2019 operations report*. Fort Collins, Colorado: U.S. National Park Service, Natural Resource Stewardship and Science, 46 pp. (*U.S. National Park Service, Natural Resource Report NPS/GRCA/NRR—2020/2167.*)

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- 2003 19.2398 The champion cliff rose? *Canyon Views* (Grand Canyon Association Member Newsletter), 9(3) (Fall): 5.

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**Theimer, Tad C.; Drost, Charles A.; O'Donnell, Ryan P.; AND Mock, Karen E.**

- 2011 19.3519 Population status and population genetics of northern leopard frogs in Arizona. *U.S. Geological Survey, Open-File Report 2011-1186*, 36 pp.

**Theimer, Tad C.; Sprague, Scott; Eddy, Ellyce; AND Benford, Russell**

- 2012 19.3638 *Genetic variation of pronghorn across US Route 89 and State Route 64*. Flagstaff, Arizona: Northern Arizona University, for Arizona Department of Transportation, *in*

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cooperation with U.S. Federal Highway Administration, 32 pp. (Report No. FHWA-AZ-12-659.)

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- 2010 19.3118 Olla gardening at Soap Creek. *Boatman's Quarterly Review*, 23(1) (Spring): 8-9.
- 2011 19.3364 Soap Creek olla project update. *Boatman's Quarterly Review*, 24(1) (Spring): 10-11.

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- 1976 19.1665 Vascular flora of the Grand Canyon. *In: Carothers, Steven W., and Aitchison, Stewart W. (eds.), An ecological survey of the riparian zone of the Colorado River between Lees Ferry and the Grand Wash Cliffs, Arizona : final research report.* U.S. National Park Service, *Colorado River Research Program, Technical Report 10*, pp. 41-44.  
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**Theroux, Michael E.; Pinkava, D. J.; AND Keil, D. J.**

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**Therriault, Thomas W.; Weise, Andrea M.; Gillespie, Graham E.; AND Morris, Todd J.**

- 2011 19.4286 Risk assessment for New Zealand mud snail (*Potamopyrgus antipodarum*) in Canada. Évaluation des risques de la nasse de Nouvelle-Zélande (*Potamopyrgus antipodarum*) au Canada. *Canada Department of Fisheries and Oceans, Canadian Science Advisory Secretariat, Research Document 2010/108 (Canada Secrétariat canadien de consultation scientifique, Document de recherche 2010/108)*, vi, 93 pp. [Includes note of "Colorado River, AZ" (p. 14, and see distribution map, p. 44).] [In parallel English and French texts.]

**Thevenin, Art**

- 2018 19.5968 That's not a bighorn . . . and that's not a bobcat . . . *Boatman's Quarterly Review*, 31(3) (Fall): 26-27. [Cinnamon black bear sighting above Badger Rapid, and mountain lion sighting at Vasey's Paradise; both illustrated with photos.] [Ellipses are part of title.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**Thieme, Michele, AND McIvor, Carole C.**

- 1997 19.1669 Response of flannelmouth sucker in the Paria River to an experimental spike flow in the Colorado River below Glen Canyon Dam. *Glen Canyon Dam beach/habitat-building flow : abstracts and executive summaries, April 1997* [symposium convened by the Grand Canyon Monitoring and Research Center, Department of the Interior, Flagstaff, Arizona, April 8-10, 1997, Flagstaff]. [No imprint, convenor from separate proceedings volume], p. 63.
- 1997 19.1670 Response of flannelmouth sucker in the Paria River to an experimental spikeflow in the Colorado River below Glen Canyon Dam. *American Fisheries Society, 127th Annual Meeting, "Fisheries at Interfaces: Habitats, Disciplines, Cultures", 24-28 August 1997, Monterey, California, Abstracts: L-Z*, p. 87.

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- 2001 19.2167 Effects of pool formation and flash flooding on relative abundance of young-of-year flannel mouth suckers in the Paria River, Arizona. *Regulated Rivers: Research and Management*, 17(2): 145-156.

**Thiers, Harry D.**

- 1976 19.5164 Boletes of the southwestern United States. *Mycotaxon*, 3(2) (January/March): 261-273. [Includes: *Boletus barrowsii* Thiers and Smith ex Thiers, new species (pp. 262-264), holotype from Jacob Lake, Arizona; *Suillus kaibabensis* Thiers, new species (pp. 266-268), holotype from Jacob Lake, Arizona; *Suillus occidentalis* Thiers, new species (pp. 268-270), holotype from Point Sublime, North Rim, Grand Canyon National Park.] [Smith = Alexander H. Smith]

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**Thomas, Gail Raabe**

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**Thomas, John**

- 2016 19.6472 Focus: Honoring a shared history. *The Wire* (SWCA Environmental Consultants, Phoenix), 16(2): 2. [On the 35th anniversary of SWCA, Inc., and the 100th anniversary of the National Park Service. Precedes "Running Deep: SWCA's History in Grand Canyon" (timeline, pp. 3-5).]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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- 1998 19.4178 Appendix. *In*: Cordasco, William C. (coordinator), *Biological assessment of the Coconino Plateau*. Flagstaff, Arizona: Babbitt Ranches, pp. 38-54. [Vegetation study.] [Appendix authors listed thus; but verso of document title-page indicates "Vegetation chapter; Kathryn Thomas".]

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- 2006 19.6499 *Vital signs monitoring plan for the Southern Colorado Plateau Network*. Fort Collins, Colorado: U.S. National Park Service, Natural Resource Program Center, 128 pp. (Natural Resource Report NPS/SCPN/NRR-2006/002.) (NPS D-46.)

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**Thomas, Lisa P.; Norris, Jodi; Straka, Kristin; AND Monahan, Bill**

- 2013 19.5447 Landscape analysis of environmental context and vegetation distribution patterns to support long-term monitoring in southern Colorado Plateau national parks: A pinyon-juniper woodland case study [ABSTRACT]. *In*: *12th Biennial Conference of Science and Management on the Colorado Plateau, September 16-19, 2013, Northern Arizona University, Flagstaff, Arizona : program and abstracts of presented papers and posters*. [Flagstaff, Arizona: Northern Arizona University], p. 120. [Includes Grand Canyon National Park.]

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**Thomas, Nelson**

- 1968 19.5365 *Biological studies of selected reaches and tributaries of the Colorado River*. Cincinnati, Ohio: U.S. Federal Water Pollution Control Administration, Technical Advisory and Investigations Branch; *in cooperation with* Colorado River Basin Water Quality Control Project, Denver, 166 pp. [In the "Grand Canyon region" of this bibliography, the report's "Lower Survey" area embraces the Virgin River gorge, and "Pierce Canyon, Utah" (*sic*), which is the 12 miles examined in Grand Canyon where the Colorado River is inundated by Lake Mead.]

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**Thomas, Scott, AND Lindquist, Dave**

- 1986 19.1671 Further investigations on *Pogonomyrmex* ants on Colorado River beaches in Grand Canyon. *In*: House, Dorothy A. (ed.), *Colorado River Investigations IV : July/August, 1985* (supervised by Stanley S. Beus and Steven W. Carothers). Flagstaff, Arizona: Northern Arizona University, for U.S. National Park Service, Grand Canyon National Park, pp. 205-214.
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**Thompson, David, AND Blume, Bill**

- 1992 19.1672 Waterfowl density along the Colorado River corridor in the Grand Canyon. *In: Colorado River Investigations XI : July/August, 1992* (supervised by Stanley S. Beus, James N. David, Frank B. Lojko, and Lawrence E. Stevens). Flagstaff, Arizona: Northern Arizona University, for U.S. National Park Service, Grand Canyon National Park, pp. 119-128.
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**Thompson, Emily; Yard, Michael D.; AND Coggins, Lewis G.**

- 2005 19.2571 Inter- and intra-annual differences in rainbow and brown trout diet near the Little Colorado River, Grand Canyon, AZ [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2005. Abstracts. October 25-27, 2005, Fiesta Inn Resort, 2100 South Priest Drive, Tempe, AZ.* [Flagstaff, Arizona]: [U.S. Geological Survey, Grand Canyon Monitoring and Research Center], p. 43.
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**Thompson, Helen**

- 2007 19.2673 Desert bighorn sheep study in Grand Canyon National Park. *Boatman's Quarterly Review*, 20(3) (Fall): 12.
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**Thompson, John D.; Jodice, Patrick G. R.; Dennerline, Donald E.; AND Childs, Dawn E.**

- 2021 19.6649 (EDS.) Cooperative Fish and Wildlife Research Units program—2020 research abstracts [ABSTRACT]. *U.S. Geological Survey, Circular 1477*, 200 pp. [See "Fish Population Models; Colorado Cooperative Fish and Wildlife Research Unit" (p. 173) (humpback chub in Colorado and Little Colorado Rivers); "Bureau of Reclamation and the National Park Service—efficacy of conservation actions for native fishes in tributaries of the Colorado River, Grand Canyon; Utah Cooperative Fish and Wildlife Research Unit" (pp. 182-183).]
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**Thompson, Luke**

- 2008 19.5253 Arizona Strip—a lasting legacy? *Huntin' Fool* (Cedar City, Utah), (August): 32-34. [Mule deer ecology and hunting.]
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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- 1999 19.5757 Atlas of relations between climatic parameters and distributions of important trees and shrubs in North America—Introduction and conifers. *U.S. Geological Survey, Professional Paper 1650-A*, 269 pp.
- 1999 19.5758 Atlas of relations between climatic parameters and distributions of important trees and shrubs in North America—Hardwoods. *U.S. Geological Survey, Professional Paper 1650-B*, 423 pp.

**Thompson, Robert S.; Anderson, Katherine H.; Bartlein, Patrick J.; AND Smith, Sharon A.**

- 2000 19.5759 Atlas of relations between climatic parameters and distributions of important trees and shrubs in North America—Additional conifers, hardwoods, and monocots. *U.S. Geological Survey, Professional Paper 1650-C*, 386 pp.

**Thompson, Ross M.; Brose, Ulrich; Dunne, Jennifer A.; Hall, Robert O., Jr.; Hladyz, Sally; Kitching, Roger L.; Martinez, Neo D.; Rantala, Heidi; Tomanuk, Tamara N.; Stouffer, Daniel B.; AND Tylianakis, Jason M.**

- 2012 19.5323 Food webs: reconciling the structure and function of biodiversity. *Trends in Ecology and Evolution*, 27(12) (December): 689-697. [See p. 695, "Box 2. A case study—food-web insights from the Colorado River", illustrated with Network3D models generated from data obtained before and after a controlled flood (from Glen Canyon Dam).]

**Thomson, John W.**

- 1991 19.5402 The lichen genus *Staurothele* in North America. *The Bryologist*, 94(4) (Winter): 351-367. [See p. 354, *Staurothele areolata* (Ach.) Lett., including reference specimen from Furnace Flats, Grand Canyon National Park (and distribution map, Figure 17, p. 360); pp. 355-357, *S. drummondii* (Tuck.) Tuck., including reference specimen from "Grand Canyon National Park" (and distribution map, Figure 20, p. 363); and p. 362, *S. monicae* (Zahlbr.) Wetm., including reference specimen from "along US Hwy. 89 [i.e., 89A] S of Fredonia" (and distribution map, Figure 23, p. 366).]

**Thorne, Robert F.**

- 1986 19.2126 A historical sketch of the vegetation of the Mojave and Colorado deserts of the American Southwest. *In*: Topics in North American botany; a symposium commemorating George Engelmann: the Thirty-First Annual Systematics Symposium. *Missouri Botanical Garden, Annals*, 73(3): 642-651.

**Thybony, Scott**

- 1978 19.3260 [Letter.] *From*: Bullets for Burros? *In*: Letters [SECTION]. *Backpacker*, 6(6) (December 1978/January 1979) (30): 9. [In response to the article by Lionel A. Atwill, "Up to Our Ears in Asses", 6(4) (28), *ITEM NO.* 19.2455.]

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**Tibbitts, Timothy J., AND Bibles, Brent D.**

- 1990 19.6414 *Peregrine falcon survey of the Arizona Arizona Strip District (1990) : final report*. [No place]: Arizona Game and Fish Department, for U.S. Bureau of Land Management, and Energy Fuels Nuclear, Inc., 37 pp. (Cooperative Agreement AZ950-CA8-001T3.)

**Tibbitts, Timothy J., AND Ward, Dale K.**

- 1990 19.6415 *Peregrine falcon survey on national forests in Arizona : 1990 final report*. [No place]: Arizona Game and Fish Department, for U.S. Forest Service, 46 pp. (Cooperative Agreement 12-03-89-035P.)

**Tibbitts, Timothy J.; Sogge, Mark K.; AND Sferra, Susan J.**

- 1994 19.1674 A survey protocol for the Southwestern willow flycatcher (*Empidonax traillii extimus*). U.S. National Park Service, Colorado Plateau Research Station at Northern Arizona University, 24 pp.

**Ticer, Cindy L., AND Ockenfels, Richard A.**

- 2000 19.3517 A validation of Arizona's landscape-level pronghorn habitat model. *In*: Cancino, Jorge (ed.), *Proceedings of the Nineteenth Biennial Pronghorn Antelope Workshop, 2001* [sic]. Hosted by: Centro de Investigaciones Biológicas del Noroeste, S. C., La Paz, Baja California Sur, México. March 14-17, 2000, pp. 63-70. [Cover title. Title-page gives dates of workshop as March 13-17, 2000.] [Study area in Cataract Creek vicinity.]

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- 1910 19.1675 Species of *Aquilegia* growing in Utah and in adjacent portions of Colorado, Idaho and Arizona. *American Midland Naturalist*, 1(7) (April): 165-171, Plate 11.  
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**Tidestrom, Ivar, AND Kittell, Teresita**

- 1941 19.1676 *A flora of Arizona and New Mexico*. Washington, D.C.: Catholic University of America Press, 897 pp.  
 ≡ CROSS-LISTINGS FQ13:450

**Tighe, Kelly, AND Cordano, Marty**

- 2003 19.2350 Shy sprites of the ponderosa pine forests. *Arizona Highways*, 79(3) (March): 36-37. [Tassel-eared squirrels.]

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**Tilden, J. W. [Tilden, James Wilson]**

- 1955 19.2216 A revision of *Tharsalea* Scud. (s. str.), with description of a new subspecies (Lepid., Lyc.). *Southern California Academy of Sciences, Bulletin*, 54(Part 2): 67-77. [s. str. = *sensu stricto* (identification in a narrow sense).] [Includes *Tharsalea arota schellbachi*, new subspecies, type locality "North Rim, Grand Canyon National Park" (pp. 72-76, Plate 24, figure 4 [p. 73]); other localities. The indication of the primary types collected on "Bright Angel Trail" pertains to the Old Bright Angel Trail in Bright Angel Canyon; further corroborated by the fact that all secondary types are from North Rim localities and thus the designation of the type locality.]
- 1957 19.2921 Taxonomic history and distribution of *Ochlodes yuma* (Hesperiidae). *Lepidopterists' News*, 11(4/5): 151-152. [Distributional data include: "COCONINO CO.: Indian Gardens, Grand Canyon National Park, 23-24.vii.24 (leg. E. L. BELL) in AMNH (RINDGE) and also 24.vii.34 and 18.vii.38 (both leg. E. L. BELL) in collections of the Naturalists' Workshop at Grand Canyon (SCHELLBACH)".]

**Timberlake, P. H. [Timberlake, Philip H.]**

- 1928 19.5569 Bees of the genus *Perdita* Smith in the American Museum of Natural History (Hymenoptera). *American Museum Novitates*, (321), 13 pp. [See *Perdita wheeleri*, new species; holotype male from "Indian Gardens in the Grand Cañon, Arizona (W. M. Wheeler)" (pp. 5-7).]
- 1956 19.6612 A revisional study of the bees of the genus *Perdita* F. Smith, with special reference to the fauna of the Pacific coast (Hymenoptera, Apoidea); Part II. *University of California, Publications in Entomology*, 11(5): 247-350. [Includes *Perdita opacella*, new species, a single female, holotype, from Marble Canyon, near Lee's Ferry, Arizona (collected by G. D. Butler, June 5, 1953, on *Stanleya*).]
- 1962 19.5570 A revisional study of the bees of the genus *Perdita* F. Smith, with special reference to the fauna of the Pacific coast (Hymenoptera, Apoidea); Part V. *University of California, Publications in Entomology*, 28(1), 123 pp. [including 13 plates]. [See *Perdita wheeleri* Timberlake (p. 32, figures 755, 756 [p. 112], 856 [p. 121]), from Grand Canyon [see Timberlake (1928, ITEM NO. 19.5569)]; *Perdita inornata*, new species (pp. 49-50, figures 787, 788 [p. 115], 872 [p. 122]), paratypes "4 females, 14 males, South Rim of the Grand Canyon, July 26, 1934 (H. E. and M. A. Evans); 1 male, Grand Canyon, July 28, 1949 (W. H. Lange)"; *Perdita dasyliirii* Cockerell (pp. 55-57, figures 793, 794 [p. 116], 875 [p. 122], material examined includes "1 female, Grand Canyon, June 11, 1931 (F. E. Lutz)"; *Perdita polytropica polytropica*, new species and new subspecies (pp. 57-59, figures 795, 796 [p. 116], 876 [p. 122]), type material from California, additional material examined includes "6 males, 52 miles below Lee's Ferry, Colorado River, Grand Canyon, on *Acacia*, June 6, 1953, and 18 females, 2 males, 179.2 miles below Lee's Ferry, on barrel cactus, June 11 (G. D. Butler)".]
- 1968 19.6611 A revisional study of the bees of the genus *Perdita* F. Smith, with special reference to the fauna of the Pacific coast (Hymenoptera, Apoidea); Part VII (including index to Parts I to VII). *University of California, Publications in Entomology*, (49), 196 pp. [See *Perdita opacella* Timberlake (pp. 8-9), which notes, "This has been known from one female from the Grand Canyon, Arizona, but a small series of both sexes has been collected at flowers of *Cleome* southwest of Moab, Utah." (p. 8); *P. depressa*, new species (pp. 48-50, plate figures 1217, 1218 [p. 167], 1312 [p. 175]), paratypes include "1 female, Supai, 3,500 feet, Havasu Canyon, Grand Canyon National Park,

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

Coconino Co., Arizona, Aug. 2, 1934 (F. C. Lutz).” (p. 50); *P. subfasciata* Cockerell (p. 107), new records include “Mohave Co.: many of both sexes, 7 miles west of Peach Springs, on *Gutierrezia lucida*, Sept. 28, 1964 (Timberlake and Papp).”]

**Timbrook, Steven**

- 1985 19.5991 Problems of lectotypification in *Langloisia* (Polemoniaceae). *Taxon*, 34(3) (August): 522-524. [Includes typification of *Navarretia setosissima* Torrey & A. Gray, basionym for *Langloisia setosissima*; includes gatherings from the Ives expedition near “Diamond River” (Diamond Creek), as published in Gray *et al.* (1861, [ITEM NO. 19.687](#)), and from Frémont’s expedition near the Virgin River.]

**Timdal, Einar**

- 2001 19.6617 *Hypocenomyce oligospora* and *H. sierrae*, two new lichen species. *Mycotaxon*, 77 (January/March): 445-453. [See *H. oligospora* (pp. 446-449). Type material is extralimital to this bibliography. Specimens examined include “Grand Canyon Nat. Park, South Rim, on Rowes Well Road near edge of park, alt. 7000 ft, 1966, Wetmore 14992 (MIN)” and “near East Lake on the Kaibab Plateau N of the Grand Canyon, ca. 17 km S of Jacob Lake, 36°34’N, 112°04’W, alt. 2620 m, 1983, Nash 21104 (ASU).”]

**Timmons, Michael; Johnson, Craig; AND Corballis, Colleen**

- 2010 19.5579 (PRINCIPAL INVESTIGATOR, CO-INVESTIGATOR, GRADUATE RESEARCH ASSISTANT) *Pipe Spring National Monument Vegetation Management Plan Phase II*. Logan, Utah: Utah State University, Department of Landscape Architecture and Environmental Planning, SEPARATELY PAGINATED SECTIONS [382 pp. total]. (“Completed in partial fulfillment of Colorado Plateau Cooperative Ecosystem Studies Unit Cooperative Agreement #H1200-004-0002”). [For Phase I see Johnson *et al.* (2009, [ITEM NO. 3875](#)).]

**Tinas, Dilara**

- 2014 19.6347 Çevre etigi bilincinin oluşumunda din ve din eğitimi faktörü. The role of religion and religious education in shaping the consciousness of environmental ethics. *Toplum Bilimleri* [Journal of Social Sciences] (Turkey), 8(16) (July): 267-292. [See p. 286, reference to and brief discussion of environmental balance of Kaibab deer (referred to, in translation here, as “a gazelle species called Kaibab in Arizona”); citing Kula (2000, [ITEM NO. 19.6345](#)).] [In Turkish, with title and abstract also in English.]

**Tinkham, Ernest R.**

- 1944 19.2127 Biological, taxonomic and faunistic studies in the shield-back katydid of the North American deserts. *American Midland Naturalist*, 31(2) (March): 257-328.

**Tirado Barva, Daniela, AND Whipple, Amy**

- 2022 19.6729 Role of environmental variation in sky island pines in response to climate change [ABSTRACT]. *In: The 2022 SACNAS National Diversity in STEM Conference, October 27-29 in San Juan, Puerto Rico : abstract book*, pp. 280-281. [Society for the

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

Advancement of Chicanos/Hispanics and Native Americans in Science. Science, Technology, Engineering, and Mathematics.] [". . . seeds of Southwestern White Pine maternal trees from 60 different sites in New Mexico, Arizona, and the mountains of central Mexico were collected, then planted into two common gardens at the north rim of the Grand Canyon."]

**Tixier, Stan**

- 2012 19.5000 OldSmokeys can help Bill Hurst save Kaibab squirrel. *OldSmokeys Newsletter* (Pacific Northwest Forest Service Association retirees, Portland, Oregon), (Fall): 11. [Friends of the Kaibab Squirrel.]
- 2012 19.4166 Friends of the Kaibab Squirrel. *Old Timers' News* (U.S. Forest Service Old Timers Club, Intermountain Region and Station, Ogden, Utah), 46(3) (October): 15. [Friends of the Kaibab Squirrel, a new, web-based organization "to help assure the perpetuation and long-term survival" of the Kaibab squirrel. A "Kaibab Squirrel" pin is illustrated.]

**Tobin, Benjamin W.; Schenk, Edward R.; Childres, Hampton; Springer, Abraham E.; AND Jones, Cassey**

- 2016 19.5163 Utilizing karst research to inform the NEPA process at Grand Canyon National Park [ABSTRACT]. *Geological Society of America, Abstracts with Programs*, 48(7): Paper 31-12, doi:10.1130/abs/2016AM-280499. [National Environmental Policy Act.] [Regarding geological and environmental studies pertaining to the replacement of the Transcanyon Pipeline that supplies the national park's water from Roaring Springs.]

**Tobin, Mitch**

- 2007 19.2980 Getting the lead out; a proposed ban on lead ammo in California could save condors. *High Country News* (March 5):.

**Todd, William J.; Gehring, Dale G.; AND Haman, Jon F.**

- 1980 19.6717 Landsat wildland mapping accuracy; classification errors were attributable to the landsat system itself, to project mapping objectives, and to analysts' decisions. *Photogrammetric Engineering and Remote Sensing*, 46(4) (April): 509-520. [Study area on the Shivwits Plateau sector of Lake Mead National Recreation Area.]

**Tolisano, Jim**

- 1995 19.3392 Wolves and grass: A watershed perspective on the Mexican Wolf recovery plan. *In*: DeBano, Leonard F., Gottfried, Gerald J., Hambre, Robert H., Edminster, Carleton B., Ffolliott, Peter F., and Ortega-Rubio, Alfredo (technical coordinators), Biodiversity and management of the Madrean Archipelago: The sky islands of southwestern United States and northwestern Mexico, September 19-23, 1994, Tucson, Arizona. *U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-GTR-264*, pp. 558-567. [Historic range extends to South Rim of Grand Canyon.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Tolleson, Doug; Halstead, Lacey; Howery, Larry; Schafer, Dave; Prince, Stephen; AND Banik, Kris**

- 2012 19.4460 The effects of a rotational cattle grazing system on elk diets in Arizona piñon-juniper rangeland. *Rangelands*, 34(1) (February): cover, 19-25.
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**Tomko, Dennis S.**

- 1975 19.1677 The reptiles and amphibians of the Grand Canyon region. *Plateau*, 47: 161-166.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 94| |CITED» GCNHA Monograph 8: page 4-27|
- 1976 19.1678 (COMPILER) *Grand Canyon amphibians and reptiles : field check list*. Grand Canyon Natural History Association, 4 pp.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 94| |CITED» GCNHA Monograph 8: page 4-27|
- 1976 19.1679 *Rana pipiens* (Ranidae) in the Grand Canyon of the Colorado River, Arizona. *Southwestern Naturalist*, 21(1) (March): 131.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-27|
- 1976 19.1680 Dietary characteristics of some Grand Canyon amphibians and reptiles. *In*: Carothers, Steven W., and Aitchison, Stewart W. (eds.), *An ecological survey of the riparian zone of the Colorado River between Lees Ferry and the Grand Wash Cliffs, Arizona : final research report*. U.S. National Park Service, *Colorado River Research Program, Technical Report 10*, pp. 45-54.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-45|
- 1976 19.1681 Demography of three species of Grand Canyon lizards. *In*: Carothers, Steven W., and Aitchison, Stewart W. (eds.), *An ecological survey of the riparian zone of the Colorado River between Lees Ferry and the Grand Wash Cliffs, Arizona : final research report*. U.S. National Park Service, *Colorado River Research Program, Technical Report 10*, pp. 55-60.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-45|
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**Tooker, Jack**

- 1931 19.5103 Lions of the Kaibab Forest. *Outdoor Life*, 68(1) (July): 7-9, 70, (2) (August): 13-15, 72.
- 1933 19.6660 Trout fishing in the Grand Canyon National Park. *Santa Fe Magazine*, 27(6) (May): 25-27. [Recounts the events of a June (1932?) trip by 22 people to Bright Angel Creek, which was stocked with rainbow and Dolly Varden trout. Identifies the members of the two parties, including Congressman Lewis W. Douglas.]
- 2003 19.5019 Canyon of the little horses. *North American BioFortean Review*, 5(2) (11) (July): 45-47. [Reprinted from the *American Weekly Magazine* in the *San Francisco Examiner*, Sunday, February 25, 1940, pp. 8-9.] [Havasupai "pygmy" or "miniature" horses.]
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Torrey, Bradford**

- 1906 19.1682 A bird-gazer at the Grand Cañon. *Atlantic Monthly*, 97(6) (June): 739-747.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 94| |CITED» GCNHA Monograph 8: page 4-27|
- 1913 19.1683 *Field days in California*. Boston: Houghton Mifflin, 234 pp. [See "A Bird-Gazer at the Grand Cañon", pp. 204-231.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 94| |CITED» GCNHA Monograph 8: page 4-27| FQ1:184 FQ12:467  
 ≡ REVIEWS AND NOTICES Anonymous, 1913, ITEM NO. 30.713

**Torre Bueno, J. R. de la [Torre Bueno, José Rollin de la]**

- 1905 19.3598 The genus *Notonecta* in North America north of Mexico. *New York Entomological Society, Journal*, 13(3) (September): 143-167, Plate 7. [See *Notonecta mexicana* Amyot and Serville, pp. 158-159; specifically, p. 159: "In the U. S. National Museum and Heidemann collections the specimens from Colorado Cañon, Hot Springs and Catalina Mts., Arizona, are var. *hades*, and above the average size and with more prominent eyes." (ENTIRE NOTE)]
- 1937 19.6117 Arizona insect localities. *Brooklyn Entomological Society, Bulletin*, 32(5) (December): 187-194. [Regarding unsatisfactory data on collection labels. Includes "Bright Angel Creek" (p. 189), "Kaibab National Forest" (p. 191).]

**Torrey, John**

- 1853 19.1684 Botany. *In*: Sitgreaves, L., Report of an expedition down the Zuni and Colorado Rivers. *U.S. 32nd Congress, 2nd Session, Senate Executive Document 59*, pp. 153-178.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-45|

**Towne, Charles Wayland**

- 1951 19.3679 The tree ring historian; meet Arizona's Dr. Douglass, founder of dendrochronology and apostle of good cheer. *The Rotarian*, 78(5) (May): 19-20.

**Townsend, C. H. Tyler [Townsend, Charles Henry Tyler]**

- 1892 19.3219 [Southwest trip report.] *In*: Notes and News [SECTION]. *Entomological News* (Academy of Natural Sciences of Philadelphia, Entomological Section), 3(9) (November): 234. [Includes Hance Trail, Grand Canyon.]
- 1893 19.3095 A peculiar seed-like case-worm from the Grand Canyon. *American Naturalist*, 27 (February): 166-169. [See also an addendum, 27: 402 (ITEM NO. 19.3094).]
- 1893 19.1686 On a species of *Simulium* from the Grand Canon of the Colorado. *American Entomological Society, Transactions*, 20 (April): 45-48.  
 ≡ CROSS-LISTINGS GOODMAN 1151



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 1893 19.3094 Further note on the tineid case-worm from the Grand Canyon. *American Naturalist*, 27 (April): 402. [Addendum to Townsend (1893, ITEM NO. 19.3095).]
- 1893 19.3344 *Schizura Ipomeæ* Doubl. *In*: Notes and News [SECTION]. *Entomological News* (Academy of Natural Sciences of Philadelphia, Entomological Section), 4(5) (May): 158. [Larva of *Schizura ipomeae* found on round-leaved leguminous tree, *Cercis occidentallis* Torr., on Hance Trail in Grand Canyon.]
- 1893 19.3217 A woolly leaf-gall on oak near Grand Canon. *American Naturalist*, 27 (October) (322): 905.
- 1893 19.3252 On the injurious and other locusts of New Mexico and Arizona. *Insect Life* (U.S. Department of Agriculture, Division of Entomology, Periodical Bulletin), 6(1) (November): 29-32.
- 1893 19.3661 Lycænid larva on *Atriplex*. *American Naturalist*, 27 (December): 1104-1105. [Specimens "from *Atriplex canescens*, 12 miles north of Cedar Ranch, Arizona, on the stage road from Flagstaff to the Grand Cañon."]
- 1893 19.3381 On the horse flies of New Mexico and Arizona. *Kansas Academy of Science, Transactions*, 13: 133-135. [Includes notice of specimens collected on Hance Trail.]
- 1893 19.1687 On a peculiar acalyprate muscid found near Turkey Tanks, Arizona. *Kansas Academy of Science, Transactions*, 13 (October): 135-136.  
 ≡ CROSS-LISTINGS GOODMAN 1149
- 1893 19.1688 Note on a scutellerid on native tobacco in Arizona. *Psyche*, 6 (November): 547-548. [*Corimelaena extensa* on *Nicotiana* at Cedar Ranch, between Flagstaff and the Grand Canyon.]  
 ≡ CROSS-LISTINGS GOODMAN 1154
- 1894 19.1689 Notes on some South-Western Hemiptera. *Canadian Entomologist*, 26(11) (November): 312-316.  
 ≡ CROSS-LISTINGS GOODMAN 1156
- 1895 19.1690 On the Coleoptera of New Mexico and Arizona, including biologic and other notes. *Canadian Entomologist*, 27: 39-51. [Cites numerous taxa from Grand Canyon.]  
 ≡ CROSS-LISTINGS GOODMAN 1158
- 1895 19.3190 On the cabbage-shaped gall of *Cecidomyia salicisbrassicoides*, and its occupants. *Canadian Entomologist*, 27(8) (August): 205-207.
- 1895 19.3201 On the bio-geography of Mexico, Texas, New Mexico, and Arizona, with special reference to the limits of the life areas, and provisional synopsis of the bio-geographic divisions of America. *Texas Academy of Science, Transactions*, 1(4): 71-94. [Includes notes specific to Grand Canyon.]
- 1896 19.1691 Notes on New Mexico and Arizona Hymenoptera. *Canadian Entomologist*, 28(4): 110-112(5) (March): 138-142. [Includes *Gorytes dentatus* Fox, new species (p. 139), and various previously recognized taxa, all from Hance Trail, Grand Canyon.]  
 ≡ CROSS-LISTINGS GOODMAN 1164
- 1915 19.3569 New western and southwestern Muscoidea. *New York Entomological Society, Journal*, 23(4) (December): 216-234. [Item signed "Charles H. T. Townsend".] [See p. 234, *Microsciasma minuta*, new genus and new species, from Hance Trail, 1892.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**Townsend, Charles W.**

- 1925 19.1692 Winter birds seen at the Grand Canyon, Arizona. *The Condor*, 27: 177-178.  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 2: page 94](#) | [CITED» GCNHA Monograph 8: page 4-28](#)
- 1925 19.6643 Thrills of an Eastern ornithologist in the West. *Bird-Lore*, 27(5) (September/October): 310-314. [See p. 311, “. . . I saw groups of [pygmy nuthatches] of 100 or more in the forests on the brim of the Grand Canyon. They were of diminutive size and most attractive, both in voice and action, with sweet and gentle twittering notes, undulatory flight, and most diligent in exploration, especially in the tufts of pine needles in which they almost disappeared.” Also p. 312, “A Rosy Finch—a popular name much to be preferred to *Leucosticte*—was indeed a thrill at the rim of the Grand Canyon, for it had never been recorded for Arizona before, but, in a heavy snowstorm, I saw four Black Rosy Finches feeding unsuspectingly in the snow. Their striking black and gray and rosy plumage and their yellow bills with black tips made them well-marked, attractive, and easily identified birds.” (ENTIRE NOTES)]
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**Tracy, DeeAnn**

- 2000 19.1977 Food and medicine of the ancestors. *Boatman’s Quarterly Review*, 13(2) (Spring): 18. [Mesquite.]
- 2001 19.2034 Brittlebush. *Boatman’s Quarterly Review*, 14(2) (Summer): 10.
- 2001 19.2128 Agave. *Boatman’s Quarterly Review*, 14(4) (Winter 2001-2002): 29.
- 2002 19.2217 Creosote. *Boatman’s Quarterly Review*, 15(1) (Spring): 32.
- 2002 19.2265 Sego lilly—*Calochortus nuttallii*. *Boatman’s Quarterly Review*, 15(2) (Summer): 4.
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**Tracy, S. M. [Tracy, Samuel Mills]**

- 1888 19.3804 Report of an investigation of the grasses of the arid districts of New Mexico, Arizona, Nevada, and Utah. *In*: Report of an investigation of the grasses of the arid districts of Texas, New Mexico, Arizona, Nevada, and Utah, in 1887. *U.S. Department of Agriculture, Botanical Division, Bulletin 6*, pp. 5-29. [Whole number comprises 61 pp., 30 plates.] [See “Peach Springs, Arizona, June 27”, pp. 12-13; Grand Canon, Arizona, June 29” (*i.e.*, Peach Springs and Diamond Creek Canyons), p. 13. This is a species list. See also a descriptive list and plates, “Grasses and Forage Plants Figured in This Bulletin”, p. 51 and following. Tracy also transcribed (p. 13) a list of plants that Asa Gray had written in “a ‘visitors’ register’ at the camp here” (*i.e.*, the Farlee Hotel in Peach Springs Canyon), May 3, 1885 (also cited herein as Gray, 1888, [ITEM NO. 19.4561](#)).]
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**Trammell, Melissa**

- 2000 19.2010 Preliminary results of the LSSF on native fishes in the Grand Canyon. *Boatman’s Quarterly Review*, 13(4) (Winter): 14-15. [Low Steady Summer Flows. Issue distributed late January 2001. See also comment by Barry D. Gold, *BQR* 14(1): 4.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 2008 19.4825 Fish management in national park units along the Colorado River [ABSTRACT]. *In: Colorado River Basin Science and Resource Management Symposium 2008. Coming together: Coordination of science and restoration activities for the Colorado River ecosystem : abstracts : November 18-20, 2008, Doubletree Resort Hotel, Scottsdale, Arizona.* [No imprint], p. 46.
- 2010 19.3243 Fish management in national park units along the Colorado River. *In: Melis, Theodore S., Hamill, John F., Coggins, Lewis G., Jr., Grams, Paul E., Kennedy, Theodore A., Kubly, Dennis M., and Ralston, Barbara E. (eds.), Proceedings of the Colorado River Basin Science and Resource Management Symposium, November 18-20, 2008, Scottsdale, Arizona. Coming together: Coordination of science and restoration activities for the Colorado River ecosystem. U.S. Geological Survey, Scientific Investigations Report 2010-5135, pp. 235-244.*

**Trammell, Melissa, AND Healy, Brian**

- 2017 19.5944 Grand Canyon has robust population of humpback chub. *Swimming Upstream* (U.S. Fish and Wildlife Service, Upper Colorado River Endangered Fish Recovery Program), (Field Report 2017): 4-5.

**Trammell, Melissa; Healy, Brian; Omana Smith, Emily; AND Sponholtz, Pamela**

- 2012 19.4056 Humpback chub translocation to Havasu Creek, Grand Canyon National Park; implementation and monitoring plan. *U.S. National Park Service, Natural Resource Report NPS/GRCA/NRR-2012/586, vi, 26 [28] pp.*

**Trammell, Melissa; Healy, Brian; Omana Smith, Emily; AND Spurgeon, Jon**

- 2011 19.5675 Humpback chub translocations in Grand Canyon National Park [ABSTRACT]. *In: Desert Fishes Council : Consejo de los Peces del Desierto : 43rd Annual Meeting, 08-12 November 2011, Hermosillo, Sonora, México, p. 12.*

**Trammell, Melissa; Valdez, Richard A.; Carothers, Stephen W.; AND Ryel, Ron [Ryel, Ronald J.]**

- 2001 19.2071 Effects of a Low Steady Summer Flow experiment on native fishes in the Colorado River in Grand Canyon, Arizona [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2001 : Little America Hotel, Flagstaff, Arizona, April 26 and 27, 2001 : organized by the Grand Canyon Monitoring and Research Center, U.S. Geological Survey. Program and abstracts.* [Flagstaff, Arizona: Grand Canyon Monitoring and Research Center], p. 42. (Glen Canyon Dam Adaptive Management Program.)
- 2002 19.3153 *Effects of a low steady summer flow experiment on native fishes of the Colorado River in Grand Canyon, Arizona.* SWCA Environmental Consultants, for U.S. Geological Survey, Grand Canyon Monitoring and Research Center, Flagstaff, Arizona.

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**Travis, Steven E., AND Keim, Paul**

- 1995 19.1693 Differentiating individuals and populations of mule deer using DNA. *Journal of Wildlife Management, 59(4): 824-831.* ["We collected tissue samples from harvested mule deer at hunter check stations in Kaibab National Forest adjacent to the North and South rims of the Grand Canyon during 1986."]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Travis, Steven E.; Maschinski, Joyce; AND Keim, Paul**

- 1996 19.1694 An analysis of genetic variation in *Astragalus cremnophylax* var. *cremnophylax*, a critically endangered plant, using AFLP markers. *Molecular Ecology*, 5(6) (December): 735-745. [Applied to three known populations, two on South Rim of Grand Canyon, one on North Rim.]

**Trefethen, James B.**

- 1961 19.6231 *Crusade for wildlife : highlights in conservation progress*. Harrisburg, Pennsylvania: Stackpole Company, and Boone and Crocket Club, 377 pp. [Includes Kaibab deer.]
- 1967 19.1695 The terrible lesson of the Kaibab deer overpopulation. *National Wildlife*, 5(4) (June/July): 4-9.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 94| |CITED» GCNHA Monograph 8: page 4-28|
- 1967 19.6232 *The terrible lesson of the Kaibab*. [Boise, Idaho]: Idaho Fish and Game Department, [6 pp.]. ("Reprinted by the Idaho Fish and Game Department, Courtesy The National Wildlife magazine (June-July issue, 1967)".) [Reprinting, retaining original pagination, of Trefethen (1967, ITEM NO. 19.1695).]
- 1968 19.6233 Kaibab told bitter but needed lesson. *South Carolina Wildlife*, 15(3): 56-64.
- 1985 19.6234 *An American crusade for wildlife*. Alexandria, Virginia: Boone and Crocket Club, 409 pp. [Includes Kaibab deer.]

**Trelease, William**

- 1902 19.3565 The Yuccaeae. *Missouri Botanical Garden, Annual Report, 1902*: 27-133, 99 plates. [See p. 41, note of *H. whipplei* (Torrey) Baker at mouth of Diamond Creek, Grand Canyon; p. 59, *Y. angustissima* Engelm in Grand Canyon region; and see Grand Canyon specimens illustrated, Plates 24 (*Yucca angustissima*), 68 (*Yucca baccata*), 83 (seeds of *Y. angustissima*), 85 (seeds of *Y. baccata*).]
- 1911 19.3205 The smallest of the century plants. *Popular Science Monthly*, 78 (January): 5-15. [See p. 10 and figure 9 (p. 11), century plant "Characteristic of the Grand Cañon" (with no further notice).]
- 1911 19.6168 The desert group Nolineæ. *American Philosophical Society, Proceedings*, 50: 405-442, Plates 1-11. ("Read April 21, 1911.") [Within the area covered by this bibliography, the distribution of this group is shown as in the lowermost Colorado River area, but see *Nolina bigelovii* Watson; specimens examined include in Arizona, "Havasupai Cañon (Kinner, 1900)" (p. 423) (ENTIRE NOTE).]
- 1916 19.3420 *The genus Phoradendron : a monographic revision*. Urbana: University of Illinois, 224 pp., 245 Plates. [See throughout; "Grand Canyon" specifically noted for *P. juniperinum* Engelm, p. 23, Plate 2 [lower photo]; also "Bass Creek (Pilsbry, 1906)" [*i.e.*, Henry Pilsbry, 1906 collection] and "Bonelli's Ferry", pp. 22, 23.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Tremble, Mike**

- 1993 19.6667 The Little Colorado River. *In*: Tellman, Barbara, Cortner, Hanna J., Wallace, Mary G., DeBano, Leonard F., and Hamre, R. H. (Technical Coordinators), Riparian Management: Common Threads and Shared Interests, a western regional conference on river management strategies, February 4-6, 1993, Albuquerque, New Mexico. *U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-226*, pp. 283-289. [Includes confluence with Colorado River.]
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**Triedman, Natalie**

- 2012 19.4162 Environment and ecology of the Colorado River Basin. *In*: *The 2012 Colorado College State of the Rockies Report Card. The Colorado River basin: Agenda for use, restoration, and sustainability for the next generation.* Colorado Springs, Colorado: Colorado College State of the Rockies Project, pp. 88-107.
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**Trimble, M.; Opalak, M.; Perry, L.; AND Iaquinto, P.**

- 1982 19.1696 Small mammal populations in riparian and desert habitats within the Colorado River corridor. *In*: *Colorado River Investigations I : July/August 1982.* Flagstaff, Arizona: Northern Arizona University, and Museum of Northern Arizona, pp. 77-79.
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**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.]  
 ≡ [CROSS-LISTINGS](#) | [CITED» GCNHA Monograph 8: page 4-28](#)
- 2002 19.4323 The role of serendipity in systematics. *American Entomologist*, 48(3) (Fall): 144-148. [Founders Memorial Lecture. See p. 147, remarks and photo pertaining to working at the Grand Canyon and review of the genus *Asidina* (see Triplehorn and Brown, 1971, [ITEM NO.](#) 19.4324).]

**Triplehorn, Charles A., AND Brown, Kirby W.**

- 1971 19.4324 A synopsis of the species of *Asidina* in the United States with description of a new species from Arizona (Coleoptera: Tenebrionidae). *The Coleopterists Bulletin*, 25(3): 73-86. [Includes *Asidina rugicollis*, new species, type material from South Rim of Grand Canyon [specific localities not published]. Also *A. parallela* (LeConte, 1851), specimens noted from Grand Canyon; *A. wickhami* (Horn, 1894), specimens noted from Hualapai Mountains, Peach Springs, and Valentine, Arizona.]
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**Troubridge, J. T., AND Crabo, L. G.**

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

brackets are part of quotation). Near Jacob Lake.] [Principally in English, with an abbreviated section in French.]

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**U.S. Bureau of Reclamation, Glen Canyon Environmental Studies, Kanab Ambersnail Workgroup**

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**U.S. Bureau of Reclamation, Upper Colorado Region; U.S. National Park Service, Grand Canyon National Park; U.S. National Park Service, Glen Canyon National Recreation Area; AND U.S. Geological Survey, Grand Canyon Monitoring and Research Center**

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**U.S. Bureau of Reclamation, Upper Colorado Regional Office**

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- 1966 19.6314 Plant material introduced January 1 to December 31, 1956 (Nos. 230877 to 236142). *U.S. Department of Agriculture, Plant Inventory No. 164* (Washington, D.C.), 245 pp. [See No. 232551, *Berberis haematocarpa* Wooton, barberry, "11 miles east of Jacob Lake, Route 89 [now U.S. Route 89A], Coconino County, Arizona." (p. 76); No. 232568, *Lotus wrightii* (Gray) Greene, trefoil, "Jacobs Lake [Jacob Lake], Route 89 [now U.S. Route 89A], east of Kaibab National Forest, Coconino County, Arizona." (p. 77).]
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- 1968 19.6316 Plant material introduced January 1 to December 31, 1964 (Nos. 294439 to 303627). *U.S. Department of Agriculture, Plant Inventory No. 172* (Washington, D.C.), 369 pp.

<sup>82</sup> The citations for the Department of Agriculture's "Plant Inventory Books" relates to what is now the U.S. National Plant Germplasm System, information about which is a part of the Germplasm Resources Information Network (GRIN). For access to the inventory books go to <https://www.ars.usda.gov/northeast-area/beltsville-md-barc/beltsville-agricultural-research-center/national-germplasm-resources-laboratory/docs/plant-inventory-books/> (last accessed 9 January 2022). Each plant inventory book properly may be credited to different compilers; however, a bibliographical decision is made here to group all of the citations from the inventory books under the governmental source. They are listed in this bibliography under (chronologically ordered), "U.S. Department of Agriculture, Bureau of Plant Industry", "U.S. Department of Agriculture", and "U.S. Bureau of Agriculture, Agricultural Research Service". Although there are some significant hiatuses in the time of publication for inventory lists covering earlier years, the apparent significant hiatuses expressed by the citations here are due to the lack of seeds or plants credited to sources that lie within the geographical bounds of this bibliography. Plant Inventory Books 1-217 (1898-2008) have been examined.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

[See No. 299448, *Delphinium nelsonii* Greene, "7 miles west of Jacob Lake, Ariz." (p. 177); No. 303177, *Amelanchier utahensis* Koehne, serviceberry, "Grand Canyon, Ariz. Elevation 7,100 feet." (p. 322); No. 303179, *Amelanchier* sp., "East of Dead Indian Canyon Road to Grand Canyon, south rim, Ariz." (p. 322); No. 303188, *Aristida* sp., "Along Route 89, 36 miles north of Flagstaff, Ariz." (p. 322); No. 303189, *Aristida* sp., "Highway 89, 90 miles north of Flagstaff, Ariz." (p. 322); No. 303197, *Bouteloua gracilis* (H.B.K.) Lag ex Steud., blue grama, "Along Route 89, 20 miles north of Flagstaff, Ariz." (p. 323); No. 303204, *Bouteloua* sp., "Plateau above Colorado River east of Jacob's Lake, Ariz." [Jacob Lake] (p. 323); No. 303205, *Bouteloua* sp., "Five miles north of Jacob's Lake, Ariz." (p. 323); No. 303206, *Bouteloua* sp., "Seven miles north of Jacob's Lake, Ariz." (p. 323); Nos. 303230-303232, *Chamaebatiaria millefolium* (Torr.) Maxim. (303230, "South rim headquarters, Grand Canyon National Park, Ariz."; 303231, "Rim of Grand Canyon, Ariz."; 303232, "Five miles east of Jacob's Lake, Ariz., near top of plateau"; all noted "in wild") (p. 325); Nos. 303259, 303262, *Cowania mexicana* O. Don (303259, "Duck on Rock viewpoint, Grand Canyon Road, Ariz., facing east bank"; 303262, "three miles east of Jacob's Lake, Ariz.") (p. 326); No. 303364, *Koeleria cristata* (L.) Pers., "Five miles east edge of plateau [sic], Jacob's Lake, Ariz." (p. 332); Nos. 303373, 303374, *Lycium* sp., "Seventy-three miles north of Flagstaff, Ariz., along Route 89" (p. 332); No. 303397, *Oryzopsis* sp., "thirty-six miles north of Flagstaff, Ariz." (presumably on Route 89?) (p. 334); No. 303414, *Penstemon bridgesii* A. Gray, "South rim, Grand Canyon, Ariz." (p. 335); No. 303425, *Penstemon linarioides* A. Gray, "Eight miles northwest of Jacob's Lake, Ariz., along Route 89 [now U.S. Route 89A]" (p. 336); Nos. 303459, 303464, 303465, 303468, 303469, *Penstemon* sp. (303459, "Grand Canyon Road, near Grand View Lookout, Ariz." (p. 338); 303464, "Grand Canyon at south rim headquarters, Ariz." (p. 338); 303465, "Grand Canyon, Ariz. Elevation 7,250 feet." (p. 338); 303468, "Four miles east of Jacob's Lake, along Route 89 [now U.S. route 89A]" (p. 338); 303469, "Seven miles north of Jacob's Lake, Ariz." (p. 339)); No. 303477, *Phaseolus* sp., "Twenty-four miles north of Flagstaff, Ariz." (presumably on Route 89?) (p. 339); No. 303522, *Poa* sp., "Five miles east of Jacob's Lake, Ariz., above Colorado River on edge of plateau [sic]" (p. 342); Nos. 303552, 303554, *Quercus* sp., "Route 89, 73 miles north of Flagstaff, Ariz." (p. 344); No. 303568, *Ribes cereum* Dougl., "Ten miles north of Jacob's Lake, Ariz., Route 89 [now U.S. Route 89A]" (p. 345); No. 303607, *Sporobolus* sp., "Thirty-one miles north of Flagstaff, Ariz., along Route 89" (p. 347); No. 303609, *Stipa* sp., "Twenty-three miles north of Flagstaff, Ariz." (presumably on Route 89?) (p. 347); No. 303619, *Verbena* sp., "Route 89, 23 miles north of Flagstaff, Ariz." (p. 348).]

- 1969      19.6317      Plant material introduced January 1 to December 31, 1966 (Nos. 310336 to 317903). *U.S. Department of Agriculture, Plant Inventory No. 174* (Washington, D.C.), 322 pp. [See Nos. 317674-317679 (pp. 291-292), *Zea mays* L., corn, "Seed collected by Mr. Heddon, Bureau of Indian Affairs, Phoenix, Ariz., from the Havasupai Indians in the Grand Canyon."]
- 1969      19.6318      Plant material introduced January 1 to December 31, 1967 (Nos. 317904-324307). *U.S. Department of Agriculture, Plant Inventory No. 175* (Washington, D.C.), 262 pp. [See Nos. 323668, 323669 (p. 213), *Cercocarpus ledifolius* Nutt. ex Torr. & Gray (323668, "Along U. S. 89, Kiabab [sic] Forest, Arizona" [now U.S. Route 89A, Kaibab National Forest]; 323669, "Eight miles east of Bitter Springs, Arizona, along U. S. 89" [U.S. Route 89, north of Cameron, Arizona]); Nos. 323680-323682 (p. 213), 323684, 323687 (p. 214), *Cowania mexicana* D. Don, cliff rose (323680, "5 miles south of Forest Service building, Fredonia, Ariz., on logging road"; 323681, "Kiabab [sic] Plateau, Ariz., along U. S. 89 [now U.S. Route 89A]"; 323682, "Along logging road 17 miles south of Fredonia, Ariz., on road to Kiabab [sic]"; 323684, "Kiabab [sic] Plateau, Ariz."; 323687, "Grand Canyon National Park, Ariz."); Nos. 323697, 323698 (p. 214),



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

323699 (p. 215), *Fallugia paradoxa* (D. Don) Endl. (323697, "North side Kiabab [*sic*] Plateau, Ariz."; 323698, "Five miles south of The Gap, Ariz." (presumably on U.S. Route 89); 323699, "Seventeen miles south of Fredonia on forestry road to Kiabab Forestry [*sic*], Ariz."); No. 323836, *Penstemon* sp., "South of Fredonia, Ariz., along U. S. 89 [now U.S. Route 89A]" (p. 223); No. 323858, *Philadelphus microphyllus* A. Gray, mock orange, "Bright Angel Trail, Grand Canyon National Park, Arizona. elevation 8,300 feet." (perhaps the Old Bright Angel Trail, North Rim, but more likely an error for North Kaibab Trail?) (p. 224); No. 323875, *Ptelea trifoliata* L., hop-tree, "Along Forestry Road, 20 miles south of Fredonia, Ariz." (p. 225); No. 323885, *Rhus trilobata* Nutt., "Forest road southwest of Big Springs on Kiabab [*sic*] Forest, Ariz." (p. 226); No. 323900, *Sambucus coerulea* Raf., "Roadside between Fredonia, Ariz. and Kiabab [*sic*] Plateau" (p. 227); No. 323928, *Yucca* sp., "Along U. S. 89 Alternate in Vermilion Cliffs, Ariz." (p. 228).]

- 1969 19.6319 Plant material introduced January 1 to December 31, 1978 (Nos. 420807 to 431463). *U.S. Department of Agriculture, Plant Inventory No. 186* (Washington, D.C.), 418 pp. [See No. 421078, *Sporobolus airoides* (Torr.) Torr., alkali sacaton, "Gray Mountain, Coconino County, Arizona" (p. 16).]

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**U.S. Department of Agriculture, Agricultural Research Service**<sup>83</sup>

- 1982 19.6320 *Plant Inventory No. 187 : plant material introduced January 1 to December 31, 1979* (Nos. 431464 to 436990). U.S. Department of Agriculture, Agricultural Research Service, 446 pp. [See Nos. 432511-432514, *Helianthus annuus* L., common sunflower; all cultivated landrace seeds from "Havasupai Indian Res., Supai Village, Grand Canyon, Coconino Co., Arizona" (pp. 89-90).]
- 1983 19.6321 *Plant Inventory No. 188, Part II : plant material introduced July 1 to December 31, 1980* (Nos. 443014 to 452071). U.S. Department of Agriculture, Agricultural Research Service, 608 pp. [See No. 451713, *Helianthus annuus* L., sunflower, cultivated landrace seed, from "Supai, Arizona. Havasupai striped achene type. Received as *H. annuus* var. *macrocarpus*." (p. 566).]
- 1983 19.6322 *Plant Inventory No. 190 : plant material introduced January 1 to December 31, 1982* (Nos. 464864 to 475833). U.S. Department of Agriculture, Agricultural Research Service, 778 pp. [See Nos. 468606, 468609, *Helianthus annuus* L., sunflower (p. 281) (468606, from "Interstate 15, 8km south of St. George, Utah"; 468609, "Hwy 89 [89A], just south of Kanab, Utah"); No. 468704, 468705, *Helianthus deserticola* Heiser (p. 292) (468704, from "Hwy 89, 12km northwest of Page, Arizona"; 468705, from "Hwy 89, 1.6km west and 4km south of Page, Arizona"); No. 468789, *Helianthus*

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<sup>83</sup> The citations for the Department of Agriculture's "Plant Inventory Books" relates to what is now the U.S. National Plant Germplasm System, information about which is a part of the Germplasm Resources Information Network (GRIN). For access to the inventory books go to <https://www.ars.usda.gov/northeast-area/beltsville-md-barc/beltsville-agricultural-research-center/national-germplasm-resources-laboratory/docs/plant-inventory-books/> (last accessed 9 January 2022). Each plant inventory book properly may be credited to different compilers; however, a bibliographical decision is made here to group all of the citations from the inventory books under the governmental source. They are listed in this bibliography under (chronologically ordered), "U.S. Department of Agriculture, Bureau of Plant Industry", "U.S. Department of Agriculture", and "U.S. Bureau of Agriculture, Agricultural Research Service". Although there are some significant hiatuses in the time of publication for inventory lists covering earlier years, the apparent significant hiatuses expressed by the citations here are due to the lack of seeds or plants credited to sources that lie within the geographical bounds of this bibliography. Plant Inventory Books 1-217 (1898-2008) have been examined.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- niveus* subsp. *canescens* (A. Gray) Heiser, from "Hwy 89, 22.4km south of Page, Arizona" (p. 301).]
- 1992 19.6323 *Plant Inventory No. 200, Part III : plant materials introduced September 1 to December 31, 1991 (Nos. 555396-559358)*. U.S. Department of Agriculture, Agricultural Research Service, 620 pp. [See Nos. 558604 (p. 514), 558661 (p. 523), 559192 (p. 584), *Humulus lupulus* L., hops, all from "Big Springs, Kaibab National Forest".
- NO DATE 19.6324 *Plant Inventory No. 209 : plant materials introduced in 2000 (Nos. 612387-615161)*. U.S. Department of Agriculture, Agricultural Research Service, 378 pp. [2001?] [See No. 612454, *Solanum jamesii* Torr., from "Grand Canyon National Park, S Rim. Across road from Buggeln picnic area down wooded slope to 'Buggeln Tank'. Near a spring on a raised berm." (p. 10).]
- 2005 19.4924 *Plant Inventory No. 213 : plant materials introduced in 2004 (Nos. 634361-636444)*. U.S. Department of Agriculture, Agricultural Research Service, 291 pp. [See No. 634363, *Solanum jamesii* Torr., from Highway "64 about 25 miles E of Grand Canyon S Rim visitor center just inside Kaibab National Forest boundary at pulloff where there is a steep roadcut to the NE and creek to the SW called Deer Tank Wash. Just over fence but on road side of creek." (p. 1); No. 634364, *Solanum jamesii* Torr., from "Mohave County. Fredonia area. From 389 to CR 109, 47 miles to CR 5 and 7 miles to near Mt Trumbull, Nixon Springs Ranger Station. At 150 degree heading from Ranger Station buildings, about 500 yards along service road." (p. 1).]
- 2006 19.5888 *Plant Inventory No. 214 : plant materials introduced in 2005 (Nos. 636445-641917)*. U.S. Department of Agriculture, Agricultural Research Service, 727 pp. [See pp. 159-160, "PI 637954. *Fragaria virginiana* Mill.", from "Road 212 at junction with highway 67, Conoino [*sic*] county, Kaibab Plateau."]

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**U.S. Department of Agriculture, Bureau of Plant Industry**<sup>84</sup>

- 1912 19.6311 Seeds and plants imported during the period from July 1 to September 30, 1911: Inventory No. 28; Nos. 31371 to 31398. *U.S. Department of Agriculture, Bureau of Plant Industry, Bulletin 248*, 71 pp. [See No. 31679, *Juniperus utahensis* (Engelm.) Lemmon, juniper, "Received through Mr. George B. Sudworth, dendrologist, Forest Service, U.S. Dept. of Agriculture, August 19, 1911", "From the Grand Canyon of the Colorado River, Ariz., October, 1910" (p. 35).]

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<sup>84</sup> The citations for the Department of Agriculture's "Plant Inventory Books" relates to what is now the U.S. National Plant Germplasm System, information about which is a part of the Germplasm Resources Information Network (GRIN). For access to the inventory books go to <https://www.ars.usda.gov/northeast-area/beltsville-md-barc/beltsville-agricultural-research-center/national-germplasm-resources-laboratory/docs/plant-inventory-books/> (last accessed 9 January 2022). Each plant inventory book properly may be credited to different compilers; however, a bibliographical decision is made here to group all of the citations from the inventory books under the governmental source. They are listed in this bibliography under (chronologically ordered), "U.S. Department of Agriculture, Bureau of Plant Industry", "U.S. Department of Agriculture", and "U.S. Bureau of Agriculture, Agricultural Research Service". Although there are some significant hiatuses in the time of publication for inventory lists covering earlier years, the apparent significant hiatuses expressed by the citations here are due to the lack of seeds or plants credited to sources that lie within the geographical bounds of this bibliography. Plant Inventory Books 1-217 (1898-2008) have been examined.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**U.S. Department of Agriculture, Marketing and Regulatory Programs, Animal and Plant Health Inspection Service**

- 2019 19.6442 *Southwestern Willow Flycatcher Conservation Program : Programmatic Environmental Assessment—September 2019.* [No place]: U.S. Department of Agriculture, Marketing and Regulatory Programs, Animal and Plant Health Inspection Service, 75 pp.
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**U.S. Department of Agriculture, Natural Resources Conservation Service; AND University of Arizona, Water Resources Research Center**

- 2010 19.3778 *Havasu Canyon watershed : Rapid Watershed Assessment Report June, 2010.* [No place]: U.S. Department of Agriculture, Natural Resources Conservation Service; and University of Arizona, Water Resources Research Center, SEPARATELY PAGINATED SECTIONS [67 pp. total]. [Principal Investigators: Dino DeSimone, Keith Larson, Kristine Uhlman, Terry Sprouse, Phil Guertin. Prepared in cooperation with Coconino Natural Resource Conservation District, Arizona Department of Agriculture, Arizona Department of Environmental Quality, Arizona Department of Water Resources, Arizona Game and Fish Department, Arizona State Land Department, U.S. Forest Service, and U.S. Bureau of Land Management.]
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**U.S. Department of Justice, U.S. Attorney, San Jose, California**

- 1995 19.6424 Butterfly smuggling case. Press release from: U.S. Department of Justice, U.S. Attorney, San Jose, California, December 14, 1994. *News of the Lepidopterists' Society*, 1995(1) (March): 22-23. [Regarding the cases against Richard J. Skalski, Mark L. Grinnell, and Thomas W. Kral, for "conspiring to poach federally protected butterflies between 1983 and 1992 on federally protected lands . . . and conspiring to trade and traffick in protected wildlife . . ." Includes Kaibab swallowtail butterflies from Grand Canyon National Park.]
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**U.S. Department of the Interior, Bison Leadership Team and Working Group**

- 2014 19.4949 *DOI bison report : looking forward.* Fort Collins, Colorado: U.S. National Park Service, Natural Resource Stewardship and Science, 73 pp. (U.S. National Park Service, Natural Resource Report NPS/NRSS/BRMD/NRR-2014/821.) [Grand Canyon National Park, pp. 4, 6, 15, 23.]
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**U.S. Department of the Interior, Central Utah Project Completion Act Office**

- 2002 19.6199 *Upper Colorado River Basin Fish and Wildlife Mitigation Program : Fiscal Years 1994-1998.* Provo, Utah: U.S. Department of the Interior, Central Utah Project Completion Act Office, SEPARATELY PAGINATED SECTIONS (37 pp. total). [Includes Lower Colorado River and Grand Canyon projects throughout.]
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**U.S. Environmental Protection Agency**

- 1990 19.4690 *Protecting endangered species : interim measures : Mohave County, Arizona.* Washington, D.C.: U.S. Environmental Protection Agency, [4] pp. (Pesticides and Toxic Substances (H-7506C.) (20T-3057.)) [Includes Siler pincushion cactus, *Pediocactus sileri*, on Arizona Strip north of Mount Trumbull.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 1990 19.4691 *Protecting endangered species : interim measures : Coconino County, Arizona.* Washington, D.C.: U.S. Environmental Protection Agency, [4] pp. (Pesticides and Toxic Substances (H-7506C.) (20T-3014.) [Brady pincushion cactus, *Pediocactus bradyi*; Navajo sedge, *Carex specuicola*; and Siler pincushion cactus, *Pediocactus sileri*.])
- 1997 19.4689 *Protecting endangered species : interim measures : Mohave County, Arizona.* Washington, D.C.: U.S. Environmental Protection Agency, [8] pp. (Pesticides and Toxic Substances (7506C.) (EPA-735-K-97-045.) [Includes Siler pincushion cactus, *Pediocactus sileri*, on Arizona Strip north of Mount Trumbull.]

**U.S. Fish and Wildlife Service**

- NO DATE 19.1714 *Aquatic study of the lower Colorado River.* U.S. Fish and Wildlife Service, for Water and Power Resources Service, contract 9-07-30-X0066, 278 pp.
- NO DATE 19.1715 *Aquatic study : special report on distribution and abundance of fishes of the lower Colorado River.* U.S. Fish and Wildlife Service, 157 pp.
- NO DATE 19.1716 *Rivers at risk : an activity based study guide for the Colorado River basin.* (Editing, photographs, and design, Bob Samples; authors and contributors Janet Ady, Randy Babb, Roxanne Brickell, Carol Bylsma, Cheryl Charles, Sheri Fetherman, Kate Grandison, John Hamill, Angela Kantola, Tom Lines, Alicia Martinez-Duran, Gary Mason, Milton McClaren, Patricia McQuown, Miles Moretti, Barb Poulin, Gabriele D. Reil, Allen Russell, Bob Samples, Dan Shaw, Robyn Skudlareck, Rich Valdez, Connie Young; endangered fish art, Marianne C. Filbert.) [No place]: U.S. Fish and Wildlife Service, 38 pp. [1993?] [Teachers' guide with topical lessons for various groups of K-12 students.]
- NO DATE 19.3355 *Facts about the sentry milk-vetch (Astragalus cremnophylax var. cremnophylax).* [No place]: U.S. Fish and Wildlife Service, 2 pp.
- 1980 19.6060 *Aquatic study : Colorado River from Lee's Ferry to the southern international boundary and selected tributaries, Arizona, California, Nevada : special report on distribution and abundance of fishes of the lower Colorado River : final report.* Phoenix: U.S. Fish and Wildlife Service, for U.S. Bureau of Reclamation, Lower Colorado Region, Boulder City, Nevada, 157 pp. (U.S. Bureau of Reclamation, Water and Power Resources Service, contract no. 9-07-03-X0066.)
- 1998 19.6410 *Black-footed ferret : Mustela nigripes.* [No place]: U.S. Fish and Wildlife Service, 2 pp. [Fact sheet.] [Includes note of Aubrey Valley, Arizona.]

**U.S. Fish and Wildlife Service; Black-footed Ferret Recovery Implementation Team; AND International Union for Conservation of Nature, Species Survival Commission, Conservation Breeding Specialist Group**

- 2004 19.6406 *Black-footed Ferret Population Management Planning Workshop : 10-13 June 2003, Denver, Colorado : final report.* Apple Valley, Minnesota: International Union for Conservation of Nature, Conservation Breeding Specialist Group, 130 pp. [See in "Habitat, Disease and Reintroduction Working Group Report", notes on Aubrey Valley, Arizona (pp. 63, 91).]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**U.S. Fish and Wildlife Service, Arizona Ecological Service Field Office**

- NO DATE 19.3711 *Brady pincushion cactus* (*Pediocactus bradyi*). *5-year review: Summary and evaluation*. Phoenix: U.S. Fish and Wildlife Service, Arizona Ecological Service Field Office, 37 pp.
- 2007 19.6201 *Final Biological Opinion for the proposed adoption of Colorado River Interim Guidelines for Lower Basin shortages and coordinated operations for Lake Powell and Lake Mead*. Phoenix: U.S. Fish and Wildlife Service, [Arizona Ecological Service Field Office], 84 pp.

**U.S. Fish and Wildlife Service, Arizona Ecological Services Office**

- 2004 19.5661 Endangered and Threatened wildlife and plants; proposed designation of Critical Habitat for southwestern willow flycatcher (*Empidonax traillii extimus*). *Federal Register*, 69(196) (October 12): 60706-60786.
- 2005 19.5662 Endangered and Threatened wildlife and plants; Proposed designation of critical habitat for the southwestern willow flycatcher (*Empidonax traillii extimus*). *Federal Register*, 70(201) (October 19): 60886-61009.
- 2006 19.2931 *Sentry milk-vetch* (*Astragalus cremnophylax Barneby var. cremnophylax Barneby*) : *recovery plan*. Phoenix: Arizona Ecological Services Office, U.S. Fish and Wildlife Service, for U.S. Fish and Wildlife Service, Southwest Region (Region 2), Albuquerque, New Mexico, 44 pp.
- 2012 19.5663 Endangered and Threatened wildlife and plants; 12-month finding for the Lemmon fleabane; Endangered status for the acuña cactus and the Fickelsen plains cactus and designation of Critical Habitat. *Federal Register*, 77(192) (October 3): 60510-60579.
- 2013 19.3745 Endangered and Threatened wildlife and plants; designation of Critical Habitat for southwestern willow flycatcher. *Federal Register*, 78(2) (January 3): 344-534.
- 2013 19.4971 Endangered and Threatened wildlife and plants; Endangered Species status for *Echinomastus erectocentrus var. acunensis* (Acuña cactus) and *Pediocactus peeblesianus var. fickeiseniae* (Fickeisen plains cactus) throughout their ranges. *Federal Register*, 78(190) (October 1): 60608-60652.
- 2016 19.5190 Endangered and Threatened wildlife and plants; designation of Critical Habitat for the Acuña cactus and the Fickeisen plains cactus; Final Rule. *Federal Register*, 81(160) (August 18): 55266-55313. [Fickeisen plains cactus, *Pediocactus peeblesianus var. fickeiseniae*, in Coconino and Mohave Counties, Arizona.]
- 2018 19.6298 *Siler pincushion cactus* (*Pediocactus sileri*) : *5-year review: summary and evaluation*. Flagstaff, Arizona: U.S. Fish and Wildlife Service, Arizona Ecological Services Office, [9] pp.

**U.S. Fish and Wildlife Service, Arizona Fish and Wildlife Conservation Office**

- 2015 19.6673 *Arizona Fish and Wildlife Conservation Office : accomplishment report : September 2015*. [No place]: U.S. Fish and Wildlife Service, Arizona Fish and Wildlife

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

Conservation Office. [See "Aquatic Species Conservation and Management" (pp. 2, 3), which includes humpback chub sampling in Colorado River, Grand Canyon]

- 2015 19.4941 *Arizona Fish and Wildlife Conservation Office : accomplishment report : October 2015.* [No place]: U.S. Fish and Wildlife Service, Arizona Fish and Wildlife Conservation Office. [See "Conserving Aquatic Species" (pp. 2-3), including humpback chub survey in Little Colorado River and translocation above Chute Falls; "Managing Aquatic Invasive Species" (p. 4), brief item regarding green sunfish in Glen Canyon upstream from Lees Ferry.]

**U.S. Fish and Wildlife Service, Arizona State Office, Ecological Services**

- 1994 19.5484 *Final Biological Opinion : operation of Glen Canyon Dam as the Modified Low Fluctuating Flow Alternative of the Final Environmental Impact Statement, operation of Glen Canyon Dam.* U.S. Fish and Wildlife Service, Arizona State Office, Ecological Services, 56 pp. (2-21-93-F-167.)

**U.S. Fish and Wildlife Service, Colorado Cooperative Fish and Wildlife Research Unit**

- 2017 19.5415 Fish population models for the Little Colorado River from integrated data sources [ABSTRACT]. *In*: Dennerline, Donald E., and Childs, Dawn E. (eds.), U.S. Geological Survey cooperative fish and wildlife research units program—2016 research abstracts. *U.S. Geological Survey, Circular 1427*, p. 49. [Despite title, abstract reads (in entirety): "Understanding how animal populations are responding to environmental change often requires monitoring at broad spatial scales and in remote locations. The project intends to focus on applying models to endangered native fish in the Grand Canyon reach of the Colorado River, especially humpback chub, but potentially including bluehead suckers and flannelmouth suckers. Insights gained from the modeling can help inform ongoing AM experimentation in Glen and Grand Canyons."]

**U.S. Fish and Wildlife Service, Division of Law Enforcement**

- 1999 19.3185 *U.S. Fish and Wildlife Service, Division of Law Enforcement, Annual Report FY 1999.* U.S. Fish and Wildlife Service, Division of Law Enforcement, 80 pp. [See "Protecting California condors", p. 25.]

**U.S. Fish and Wildlife Service, Mountain-Prairie Region (6)**

- 2002 19.3957 *Humpback chub (Gila cypha) : recovery goals : amendment and supplement to the Humpback chub Recovery Plan.* Denver: U.S. Fish and Wildlife Service, Mountain-Prairie Region, 71, 17 pp.
- 2017 19.5807 *Species status assessment for the humpback chub (Gila cypha).* Denver: U.S. Fish and Wildlife Service, Mountain-Prairie Region, 220 pp.

**U.S. Fish and Wildlife Service, New Mexico Cooperative Fish and Wildlife Research Unit**

- 2017 19.5416 Development and validation of a molecular screening tool to identify the presence of Asian tapeworm in imperiled southwestern native fish populations [ABSTRACT]. *In*: Dennerline, Donald E., and Childs, Dawn E. (eds.), U.S. Geological Survey cooperative

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

fish and wildlife research units program—2016 research abstracts. *U.S. Geological Survey, Circular 1427*, p. 61. [Colorado and Little Colorado Rivers.]

**U.S. Fish and Wildlife Service, Pacific Southwest Region**

2013 19.5608 *California condor (Gymnogyps californianus) : 5-year review: Summary and evaluation*. [No place]: U.S. Fish and Wildlife Service, Pacific Southwest Region, 53 [64] pp.

**U.S. Fish and Wildlife Service, Southwest Region (2)**

2005 19.3626 *Management plan for the big river fishes of the Colorado River basin*. Albuquerque, New Mexico: U.S. Fish and Wildlife Service, Southwest Region (2), 52 pp.

**U.S. Fish and Wildlife Service, Southwest Region, Arizona Ecological Services Field Office**

2013 19.4038 Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Acuña cactus and the Fickeisen plains cactus. *Federal Register*, 78(130) (July 8): 40673-40686. [Fickeisen plains cactus, *Pediocactus peeblesianus* var. *fickeiseniae*, at various locales in Grand Canyon region. Includes maps.]

**U.S. Fish and Wildlife Service, Southwest Region, Ecological Services offices, Staff**

2009 19.6556 Endangered and Threatened wildlife and plants; partial 90-day finding on a petition to list 475 species in the southwestern United States as Threatened or Endangered with Critical Habitat. *Federal Register*, 74(240) (December 16): 66866-66905. [Notice of 90-day petition finding.]

**U.S. Fish and Wildlife Service, Upper Colorado River Office, Endangered Fish Recovery Program**

2020 19.6380 Endangered and Threatened wildlife and plants; reclassification of the humpback chub from Endangered to Threatened with a Section 4(d) rule. *Federal Register*, 85(14) (January 22): 3586-3601. [Proposed rule.] [*Gila cypha*.]

2021 19.6644 Endangered and Threatened wildlife and plants; reclassification of the razorback sucker from Endangered to Threatened with a Section 4(d) rule. *Federal Register*, 86(127) (July 7): 35708-35728. [Proposed rule.] [*Xyrauchen texanus*.]

2021 19.6671 Endangered and Threatened wildlife and plants; reclassification of the humpback chub from Endangered to Threatened with a Section 4(d) rule. *Federal Register*, 86(198) (October 18): 57588-57610. [Final rule.] [*Gila cypha*.]

**U.S. Fish and Wildlife Service, Utah Ecological Services Field Office**

2020 19.6372 Endangered and Threatened wildlife and plants; removing the Kanab ambersnail from the list of Endangered and Threatened wildlife. *Federal Register*, 85(3) (January 6): 487-492. [Proposed rule.] [*Oxyloma haydeni kanabensis*.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 2021 19.6645 Endangered and Threatened wildlife and plants; removing the Kanab ambersnail from the list of Endangered and Threatened wildlife. *Federal Register*, 86(119) (June 24): 33137-33142. [Final rule.] [*Oxyloma haydeni kanabensis*.]

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**U.S. Fish and Wildlife Service, Utah Field Office, Ecological Services**

- 2011 19.5489 *Kanab ambersnail : Oxyloma haydeni kanabensis : 5-year review: summary and evaluation*. West Valley City, Utah: U.S. Fish and Wildlife Service, Utah Field Office, Ecological Services, 26 pp.

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**U.S. Forest Service**

- 1964 19.3449 *Trees of the forest : their beauty and use*. U.S. Forest Service.
- 1967 19.4568 *Trees of the forest : their beauty and use*. U.S. Forest Service, slightly revised, 25 pp. (U.S. Forest Service, Program Aid 613.)
- 1970 19.3450 *Trees of the forest : their beauty and use*. U.S. Forest Service, slightly revised, 25 pp.
- 1973 19.3700 *Forest Service research accomplishments/1973*. U.S. Forest Service. [See p. 15: "230. Silviculture control practices have reduced the level of dwarf mistletoe and protected the ponderosa pine recreation forest on the South Rim of Grand Canyon. Plots studied for 20 years document that periodic sanitation in an effective control for dwarf mistletoe in high-use recreation sites. Sanitation has forestalled mortality and associated vegetative changes along the South Rim, thereby sustaining scenic and esthetic values provided by ponderosa pine." Cross-referenced to Lightle and Hawksworth (1973, ITEM NO. 19.929).]
- 1975 19.4569 *Trees of our national forests : their beauty and their use*. U.S. Forest Service, 25 pp. (U.S. Forest Service, Program Aid 1124. "Supersedes PA 613".)
- 1979 19.1717 *Western spruce budworm management, Kaibab National Forest and Grand Canyon National Park*. Albuquerque, New Mexico: U.S. Forest Service, 182 pp.
- 1980 19.1718 *Western spruce budworm management, Kaibab National Forest and Grand Canyon National Park*. Albuquerque, New Mexico: U.S. Forest Service, 35 pp.
- 1980 19.1719 *Pandora moth management plan, Kaibab National Forest, Arizona*. Albuquerque: U.S. Forest Service, 60 pp.
- 1980 19.4570 *Trees of our national forests*. U.S. Forest Service, 32 pp. (U.S. Forest Service, Program Aid 1124.)

**U.S. Forest Service, AND U.S. National Park Service**

- 1981 19.1720 *Western spruce budworm management, Kaibab National Forest, Grand Canyon National Park, Arizona*. Albuquerque, New Mexico: U.S. Forest Service, 127 pp.
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**U.S. Forest Service, Kaibab National Forest, North Kaibab Ranger District**

- 2020 19.6523 *Burnt Corral Vegetation Management Project : Preliminary Environmental Assessment.* [No place]: U.S. Forest Service, Kaibab National Forest, North Kaibab Ranger District, 106 pp.

**U.S. Forest Service, Kaibab National Forest, Williams and Tusayan Ranger Districts**

- 2015 19.4657 *South Zone grassland restoration project : proposed action.* [Williams, Arizona]: U.S. Forest Service, Kaibab National Forest, Williams and Tusayan Ranger Districts, 19 pp.

**U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station**

- NO DATE 19.1721 *Native fishes of arid lands: a dwindling resource of the desert Southwest.* U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-206, 45 pp.

**U.S. Forest Service, Southwestern Region**

- NO DATE 19.4699 *The Four Forest Restoration Initiative; a collaborative effort to restore forest ecosystems on four national forests.* U.S. Forest Service, Southwestern Region, Management Bulletin MB-R3-04-11, folded pamphlet.
- 1979 19.5729 *Draft : Environmental Statement : western spruce budworm management : Kaibab National Forest, Grand Canyon National Park.* Albuquerque, New Mexico: U.S. Forest Service, Southwestern Region, SEPARATELY PAGINATED SECTIONS [171 pp. total]. (03-07-79-1.)
- 1995 19.3732 *Terrestrial ecosystem survey of the Kaibab National Forest, Coconino County and part of Yavapai County, Arizona : addendum 5/2/95, North Kaibab RD.* U.S. Forest Service, Southwestern Region, 319 pp. [North Kaibab Ranger District.]
- 1995 19.5499 *Final Environmental Impact Statement for amendment of forest plans.* [No place]: U.S. Forest Service, Southwestern Region, 262 pp.
- 1999 19.4635 *Forest insect and disease conditions in the Southwestern Region, 1998.* U.S. Forest Service, Southwestern Region, 20 pp. (R3-99-01.) [Regarding Grand Canyon National Park and Kaibab National Forest, see "Mountain Pine Beetle", pp. 4-5, and "Western Spruce Budworm", pp. 7-8.]
- 2005 19.2525 *Final Environmental Impact Statement for integrated treatment of noxious or invasive weeds : Coconino, Kaibab, and Prescott National Forests within Coconino, Gila, Mojave, and Yavapai Counties, Arizona.* U.S. Forest Service, Southwestern Region, 592 pp.
- 2005 19.6160 *Environmental Assessment for Jacob Ryan vegetation management, Kaibab National Forest; North Kaibab Ranger District, Kaibab National Forest, Coconino County, Arizona.* U.S. Forest Service, Southwestern Region, 107 pp.
- 2006 19.3746 *Draft Environmental Impact Statement for Jacob Ryan vegetation management, North Kaibab Ranger District, Kaibab National Forest, Coconino County, Arizona.* U.S. Forest Service, Southwestern Region, 128 pp.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 2006 19.6161 *Environmental Assessment for the conveyance of National Forest System land to the Grand Canyon Unified School District #4; Tusayan Ranger District, Kaibab National Forest, Coconino County, Arizona.* U.S. Forest Service, Southwestern Region, 50 pp.
- 2006 19.6162 *Jacob Lake Campground reconstruction project—Environmental Assessment document; Kaibab National Forest.* U.S. Forest Service, Southwestern Region, 30 pp.
- 2007 19.6163 *Environmental Assessment for the Lower Dillman Gravel Pit expansion project; Tusayan Ranger District, Kaibab National Forest, Coconino county, Arizona.* U.S. Forest Service, Southwestern Region, 36 pp.
- 2007 19.6035 *Warm Fire assessment : post-fire conditions and management considerations : North Kaibab Ranger District, Kaibab National Forest.* U.S. Forest Service, Southwestern Region, 81 pp.
- 2008 19.2754 *Draft Environmental Impact Statement for the Warm Fire recovery project, Kaibab National Forest, Coconino County, Arizona.* Williams, Arizona: U.S. Forest Service, Southwestern Region, 302 pp.
- 2012 19.3847 *Kaibab National Forest : 2011-2012 accomplishment report : environmental collaboration.* [No place]: U.S. Forest Service, Southwestern Region, 16 pp. [including wraps].
- 2012 19.4261 *Draft Environmental Impact Statement for the Kaibab National Forest Land and Resource Management Plan, Coconino, Yavapai, and Mojave [sic] Counties, Arizona.* U.S. Forest Service, Southwestern Region, *Management Bulletin MB-R3-07-15*, 433 pp.
- 2013 19.4180 *Draft Environmental Impact Statement for the Four-Forest Restoration Initiative : Coconino and Kaibab National Forests, Coconino County, Arizona.* U.S. Forest Service, Southwestern Region, 716 pp. (MB-R3-04-19.) [Project areas include a portion of the Kaibab National Forest, Tusayan Ranger District, adjacent to Grand Canyon National Park.]
- 2013 19.4982 *Environmental Assessment for Tusayan Flood Reduction Project : Tusayan Ranger District, Kaibab National Forest, Coconino County, Arizona.* U.S. Forest Service, Southwestern Region, 73, 13 pp.
- 2014 19.4266 *Final Environmental Impact Statement for the Kaibab National Forest Resource Management Plan, Coconino, Yavapai, and Mojave [sic] Counties, Arizona.* U.S. Forest Service, Southwestern Region, *Management Bulletin MB-R3-07-19*, pp. 1-325. [See also 2015 corrected version.]
- 2014 19.4267 *Appendices for the Final Environmental Impact Statement for the Kaibab National Forest Resource Management Plan, Coconino, Yavapai, and Mojave [sic] Counties, Arizona.* U.S. Forest Service, Southwestern Region, *Management Bulletin MB-R3-07-19a*, pp. 327-690. [See also 2015 corrected version.]
- 2014 19.4696 *Draft Record of Decision for the Four-Forest Restoration Initiative, Coconino and Kaibab National Forests, Coconino County, Arizona.* U.S. Forest Service, Southwestern Region, *Management Bulletin MB-R3-04-23*, 44 pp.

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- 2014 19.4697 Final Environmental Impact Statement for the Four-Forest Restoration Initiative, Coconino and Kaibab National Forests, Coconino County, Arizona. Volume 1. *U.S. Forest Service, Southwestern Region, Management Bulletin MB-R3-04-23*, pp. 1-562.
- 2014 19.4698 Final Environmental Impact Statement for the Four-Forest Restoration Initiative, Coconino and Kaibab National Forests, Coconino County, Arizona. Volume 2. *U.S. Forest Service, Southwestern Region, Management Bulletin MB-R3-04-24*, pp. 563-1048.
- 2014 19.5354 *Field guide for managing rush skeletonweed in the Southwest*. [No place]: U.S. Forest Service, Southwestern Region, 9 pp. (TP-R3-16-22.) [See p. 1: Widespread in Washington, Oregon, Idaho, Montana, and California. "An isolated, yet expanding population has been found in the Grand Canyon National Park in Arizona." (ENTIRE NOTE)]
- 2015 19.4840 Final Environmental Impact Statement for the Kaibab National Forest Resource Management Plan, Coconino, Yavapai, and Mojave [*sic*] Counties, Arizona. *U.S. Forest Service, Southwestern Region, Management Bulletin MB-R3-07-19*, pp. 1-325. [Corrected version. Title-page indicates "February 2014". Notation, p. i: "Changes have been made to page 9 and 96 this document in response to the appeal resolution instructions provided by the Forest Service Chief's Reviewing Officer following administrative review of two appeals. These changes to the Final Environmental Impact Statement were made to make it clear that in addition to rulemaking procedures, other legal mechanisms could be used to limit the use of lead ammunition if deemed necessary or appropriate. The adjusted pages are marked as '(Corrected 05/2015)'."]
- 2015 19.4841 Appendices for the Final Environmental Impact Statement for the Kaibab National Forest Resource Management Plan, Coconino, Yavapai, and Mojave [*sic*] Counties, Arizona. *U.S. Forest Service, Southwestern Region, Management Bulletin MB-R3-07-19a*, pp. 327-692. [Corrected version. Title-page indicates "February 2014". Notation, p. iii: "Changes have been made to this document in response to the appeal resolution instructions provided by the Forest Service Chief's Reviewing Officer following administrative review of two appeals. These changes to the Final Environmental Impact Statement and Appendices were made to clarify the relationship between grazing capability and suitability (page 473, 474), better explain the role of allotment management plans and annual operating instructions in making adjustments to livestock grazing using the adaptive management framework (pages 358, 363, 396), and that in addition to rulemaking procedures other legal mechanisms, could be used to limit the use of lead ammunition if deemed necessary or appropriate (pages 379, 380, 381). The adjusted pages are clearly marked as '(Corrected 05/2015)'."]

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**U.S. Forest Service, Southwestern Region, Forest Health**

- 2015 19.5173 Forest insect and disease conditions in the Southwestern Region, 2014. *U.S. Forest Service, Southwestern Region, Forest Health PR-R3-16-13*, 43 pp. [Includes Kaibab National Forest.]

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**U.S. Forest Service, Southwestern Region, Forestry and Forest Health**

- 2012 19.6302 Forest insect and disease conditions in the Southwestern Region, 2011. *U.S. Forest Service, Southwestern Region, Forestry and Forest Health, PR-R3-16-8*, 43 pp.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**U.S. Forest Service, Southwestern Region, Wildlife Habitat Management Staff Group**

1975 19.6145 *Endangered and unique fish and wildlife of southwestern national forests.* [No place]: U.S. Forest Service, Southwestern Region, 203 pp. [Includes species distribution maps.]

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**U.S. Geological Survey**

NO DATE 19.4895 *Riparian vegetation studies—monitoring vegetation change.* [No place]: U.S. Geological Survey, [2] pp. [2014.] [Fact sheet. Colorado River in Grand Canyon.]

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**U.S. Geological Survey, Grand Canyon Monitoring and Research Center**

NO DATE 19.2578 *Humpback chub: Factors affecting persistence.* Flagstaff, Arizona: U.S. Geological Survey, Grand Canyon Monitoring and Research Center, 2 pp. [2005?]

2008 19.2740 USGS workshop on scientific aspects of a long-term experimental plan for Glen Canyon Dam, April 10-11, 2007, Flagstaff, Arizona. *U.S. Geological Survey, Open-File Report 2008-1153*, 79 pp. [Participants: Kevin Bestgen, Michael James Bradford, Lewis G. Coggins, Jr., David L. Garrett, Theodore A. Kennedy, Josh Korman, Theodore S. Melis, Randall Peterson, William E. Pine, III, Roger Pulwarty, Dale M. Robertson, David J. Topping, Harold M. Tyus, Richard A. Valdez, Carl Walters, Scott A. Wright.]

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**U.S. Geological Survey, Southwest Biological Science Center, Staff**

2019 19.6251 The U.S. Geological Survey Southwest Biological Science Center; sound science to serve the American Southwest. (Monica Erdman, ed.) *U.S. Geological Survey, Fact Sheet 2019-3041*, 4 pp. [Focus on Colorado River in Marble and Grand Canyons.]

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**U.S. National Aeronautics and Space Administration, Langley Research Center**

2017 19.6252 *Grand Canyon Regions of Drought Impact (GC-ReDI).* [Hampton, Virginia]: U.S. National Aeronautics and Space Administration, Langley Research Center, accessible through the NASA Technology Transfer Program at <https://software.nasa.gov/software/LAR-19017-1> or <https://github.com/NASA-DEVELOP/GC-ReDI>. [Accessed 22 August 2019.] [Description notes: "This Google Earth Engine software quantifies the decreasing water surface area in Lake Mead and the lower Grand Canyon and assesses the resulting changes in land cover—specifically, riparian vegetation and riparian sediment. The software provides images, statistics, and graphs to understand these changes."]

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**U.S. National Museum**

1905 19.3677 Appendix II. List of accessions, 1902-3. *From:* Report of the U. S. National Museum, under the direction of the Smithsonian Institution, for the year ending June 30, 1903. *In:* *Annual report of the Board of Regents of the Smithsonian Institution, showing the operations, expenditures, and condition of the institution for the year ending June 30, 1903. Report of the U. S. National Museum.* Washington, D.C.: U.S. Government

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

Printing Office, pp. 95-. [See p. 139: "Walcott, Hon. C. D. . . . Snake (*Eutaenia vagrans*), from Grand Cañon, Arizona . . . ." (no further note)]

- 1909 19.3791 Report of the U.S. National Museum. *In: Annual report of the Board of Regents of the Smithsonian Institution, showing the operations, expenditures and condition of the institution for the year ending June 30, 1909.* Washington, D.C.: U.S. Government Printing Office, 141 pp. [See in accessions by the museum, p. 69: "Berry, P. D., Grand Cañon, Ariz.: 3 specimens of cacti from the Grand Cañon, Arizona, through C. V. Piper, of the Department of Agriculture (50043)." (ENTIRE NOTE) Peter D. Berry.]

**U.S. National Park Service**

- NO DATE 19.1722 *Canyon rim nature trail.* U.S. National Park Service, large folded pamphlet. [Copy received 1993.]
- 1937 19.1723 *Check-list of the birds of the national parks.* U.S. National Park Service.  
 ≡ CROSS-LISTINGS [CITED» GCNHA Monograph 2: page 94] [CITED» GCNHA Monograph 8: page 4-28]
- 1963 19.5741 *Biologist's Conference : Grand Canyon National Park, April 22-26, 1963.* U.S. National Park Service.

**U.S. National Park Service, Glen Canyon National Recreation Area**

- 2024 19.6994 Warmwater Nonnative Fish Management Plan/Environmental Assessment. U.S. National Park Service, Glen Canyon National Recreation Area, SEPARATELY PAGINATED SECTIONS [136 pp. total]. ("GLCA 608/194925".) ["The Environmental Assessment (EA) evaluates actions where physical modifications of a backwater slough complex are proposed in Glen Canyon National Recreation Area . . . at the -12 mile marker on the Colorado River, located 3 miles below Glen Canyon Dam and 12 miles upriver from Lees Ferry. The proposed action is intended to disrupt warmwater non-native fish reproduction overall, with particular focus on reducing numbers of high risk (predatory) non-natived warm-water fish."]

**U.S. National Park Service, Glen Canyon National Recreation Area; AND U.S. National Park Service, Grand Canyon National Park**

- 2017 19.5960 *Expanded Non-native Aquatic Species Management Plan in Glen Canyon National Recreation Area and Grand Canyon National Park below Glen Canyon Dam—an Environmental Assessment.* U.S. National Park Service, Glen Canyon National Recreation Area; and U.S. National Park Service, Grand Canyon National Park, [8] pp. [Scoping newsletter.]
- 2018 19.5961 *Expanded Non-native Aquatic Species Management Plan in Glen Canyon National Recreation Area and Grand Canyon National Park below Glen Canyon Dam—an Environmental Assessment.* U.S. National Park Service, Glen Canyon National Recreation Area; and U.S. National Park Service, Grand Canyon National Park, [3] pp. [Scoping newsletter.]
- 2018 19.5962 *Environmental Assessment : Expanded Non-native Aquatic Species Management Plan in Glen Canyon National Recreation Area and Grand Canyon National Park below Glen Canyon Dam.* [No place]: U.S. National Park Service, Intermountain Region, Glen

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

Canyon National Recreation Area, Grand Canyon National Park, SEPARATELY PAGINATED SECTIONS [154 pp. total]. [September 2018.]

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

- NO DATE 19.2307 *Vegetation management—Restoration.* U.S. National Park Service, Grand Canyon National Park, 1 p. [2001 or 2002.]
- NO DATE 19.2308 *Vegetation management—Exotic plant species.* U.S. National Park Service, Grand Canyon National Park, 1 p. [2001 or 2002.]
- NO DATE 19.2683 *Observing migrating raptors.* U.S. National Park Service, Grand Canyon National Park, folded brochure. [2007 or earlier.]
- NO DATE 19.3018 *Vegetation management—exotic plant species.* U.S. National Park Service, Grand Canyon National Park, 1 p. [2009?]
- NO DATE 19.3463 *Plants living on the edge : along the Hermit Road Greenway Trail.* U.S. National Park Service, Grand Canyon National Park, folded sheet (14 pp.). [2011.]
- NO DATE 19.6688 *Vegetation types and fire regimes.* U.S. National Park Service, Grand Canyon National Park, [4] pp. (Grand Canyon National Park, Fire Data Summary.) [2013.] [Fact sheet.]
- NO DATE 19.4291 *Bison Management Plan and Environmental Impact Statement : Grand Canyon National Park : public scoping.* U.S. National Park Service, Grand Canyon National Park, 8 pp. [Newsletter. Spring 2014. One issue only?]
- NO DATE 19.4942 *Bison herd reduction Environmental Assessment : Grand Canyon National Park.* U.S. National Park Service, Grand Canyon National Park, 4 pp. [February 2016.] [30-day comment period.]
- NO DATE 19.6179 *Bats and White Nose Syndrome.* U.S. National Park Service, Grand Canyon National Park, 4 pp. [2019.] [Fact sheet.]
- NO DATE 19.6909 *Native fish conservation.* U.S. National Park Service, Grand Canyon National Park, 2 pp. [2024.] [Fact sheet. With specific sections for "Humpback Chub" and "Razorback Sucker".]
- NO DATE 19.6910 *Rapid response: Smallmouth bass surveillance and suppression.* U.S. National Park Service, Grand Canyon National Park, 2 pp. [2024.] [Fact sheet.]
- NO DATE 19.6911 *Bright Angel Creek trout removal project.* U.S. National Park Service, Grand Canyon National Park, 2 pp. [2024.] [Fact sheet. Verso: "2023-2024 Season Results".]
- 1976 19.1724 *Feral burro management plan and environmental assessment, Grand Canyon National Park.* Washington, D.C.: U.S. Government Printing Office, 74 pp.  
     ≡ CROSS-LISTINGS [CITED» GCNHA Monograph 8: page 4-29]
- 1979 19.6721 *Burro population and distribution in Grand Canyon National Park.* U.S. National Park Service, Grand Canyon National Park, 7 pp.
- 1979 19.6722 *Immobilization and herding feasibility studies in Grand Canyon National Park.* U.S. National Park Service, Grand Canyon National Park, 12 pp. [Burro management.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 1979 19.1725 *Proposed feral burro management and ecosystem restoration plan and draft environmental statement, Grand Canyon National Park, Arizona.* U.S. National Park Service, Grand Canyon National Park, SEPARATELY PAGINATED SECTIONS [150 pp. total]. (DES 79-4.) [Cover title omits "Proposed" from title.]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-46|
- 1980 19.1726 *Feral burro management and ecosystem restoration plan and final environmental statement, Grand Canyon National Park, Arizona.* U.S. National Park Service, Grand Canyon National Park, [ca. 130 pp.].  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-46|
- 2001 19.4896 *Native waters.* U.S. National Park Service, Grand Canyon National Park, 4 pp. [Fact sheet.] [Groundwater hydrology and biological communities at springs.]
- 2002 19.2347 *Research on wildfire hazard reduction in ponderosa pine ecosystems at Grand Canyon National Park, Coconino County, Arizona : Environmental Assessment and Assessment of Effect.* U.S. National Park Service, Grand Canyon National Park, 81 pp. + appendices.
- 2004 19.6001 *Long Jim III prescribed fire : after action review.* U.S. National Park Service, Grand Canyon National Park, 16 pp.
- 2005 19.2577 *Fight the invasion! Controlling invasive species at Grand Canyon National Park.* U.S. National Park Service, Grand Canyon National Park, folded brochure.
- 2005 19.2684 *Shadows in the night.* U.S. National Park Service, Grand Canyon National Park, folded brochure. [Bats.]
- 2005 19.3057 Home sweet home. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), (March/April): 7. [Brief list of endangered or threatened species in Grand Canyon National Park.]
- 2006 19.2963 *Invasive plant species observation.* U.S. National Park Service, Grand Canyon National Park, 8 pp. [Invasive plant identification guide for reporting invasive plant observations from the park. Author probably Lori Makarick. Funded by Grand Canyon National Park foundation and by Arizona Water Protection Fund Commission.]
- 2007 19.2656 GCNP working on coordinated effort to prevent quagga mussels in Colorado River. *Boatman's Quarterly Review*, 20(1) (Spring 2006-2007) [sic]: 6. ["From a Grand Canyon news release dated February 1, 2007."]
- 2009 19.2987 *Exotic Plant Management Plan, Grand Canyon National Park, Arizona : Environmental Assessment/Assessment of Effect.* U.S. National Park Service, Grand Canyon National Park, 182 pp.
- 2014 19.4492 Grand Canyon National Park Bison Management Plan/Environmental Impact Statement; public scoping frequently asked questions. *Buffalo Tracks* (Intertribal Buffalo Council, Rapid City, South Dakota), (Summer): 16-18.
- 2015 19.4820 *A living canyon: Discovering life at Grand Canyon.* U.S. National Park Service, Grand Canyon National Park, 15 pp. [p. 15 is inside rear cover]. [Gatefold front wrap.] ("0915".)
- 2017 19.5421 *Initial bison herd reduction Environmental Assessment : Grand Canyon National Park.* U.S. National Park Service, Grand Canyon National Park, 188 pp.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**U.S. National Park Service, [Grand Canyon National Park]**

- NO DATE 19.6031 *Bright Angel Creek trout reduction program*. [No place]: U.S. National Park Service, 2 pp. [2017?] [Fact sheet.]
- NO DATE 19.6032 *Humpback chub tributary translocations*. [No place]: U.S. National Park Service, 2 pp. [2017?] [Misdated "01/2012".] [Fact sheet.]
- NO DATE 19.6033 *Razorback sucker studies in Grand Canyon*. [No place]: U.S. National Park Service, 2 pp. [2017?] [Misdated "01/2012".] [Fact sheet.]

**U.S. National Park Service, Grand Canyon National Park, Division of Interpretation**

- NO DATE 19.656 *Life on the Canyon rim: A guide to the Rim Trail*. (Illustrated by Sue Stanwood Clark.) Grand Canyon Natural History Association, 1 sheet. [1977?]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-15|

**U.S. National Park Service, Grand Canyon National Park, Fire and Aviation**

- 2014 19.4666 *Fire history: 1880-2013 : Grand Canyon National Park*. U.S. National Park Service, Grand Canyon National Park, Fire and Aviation, 1 sheet. [Map; labels superimposed on topographic map of eastern Grand Canyon. Labels indicate burn areas by name and year.]

**U.S. National Park Service, Grand Canyon National Park, Interpretive Staff**

- 1963 19.657 *Grand Canyon birds : field checklist*. Grand Canyon Natural History Association, 4 pp.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-36|
- 1970 19.658 *Grand Canyon birds : field checklist*. Grand Canyon Natural History Association, 4 pp.  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 8: page 4-36|
- 1976 19.659 (COMPILERS) *Grand Canyon mammals : field check list*. Grand Canyon Natural History Association, 6 pp. [1968]  
 ≡ CROSS-LISTINGS |CITED» GCNHA Monograph 2: page 89| |CITED» GCNHA Monograph 8: page 4-15|

**U.S. National Park Service, Grand Canyon National Park, Grand Canyon Science Center Staff**

- 2002 19.2191 What do you catch with a Grand Wash Hook? *Nature Notes* (Grand Canyon National Park), (Spring): 6.

**U.S. National Park Service, Grand Canyon National Park, NPS Biological Resource Management Division**

- 2014 19.4894 *Desert bighorn sheep: Science and conservation*. U.S. National Park Service, Grand Canyon National Park, NPS Biological Resource Management Division, [2] pp. [Fact sheet.]



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**U.S. National Park Service, Grand Canyon National Park, Science Center**

- 2000 19.2129 *Grand Canyon National Park hazard tree plan : October 2000 update.* Grand Canyon, Arizona: Science Center, Grand Canyon National Park, 38 pp.
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**U.S. National Park Service, Intermountain Region, Inventory and Monitoring Program**

- 2007 19.3876 Natural resource monitoring at Pipe Spring National Monument. Moab, Utah: U.S. National Park Service, Northern Colorado Plateau Inventory and Monitoring Program, [2] pp. (*U.S. National Park Service, Northern Colorado Plateau Network, Park Monitoring Brief.*)
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**U.S. National Park Service, National Interagency Fire Center**

- 2003 19.2681 *Wildland fire in national parks.* Idaho: U.S. National Park Service, National Interagency Fire Center, fold-out brochure. [Also later printings.]
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**U.S. National Park Service, Southwest Region**

- 2002 19.2341 Research on wildlife hazard reduction in ponderosa pine ecosystems at Grand Canyon National Park, Coconino County, Arizona. U.S. National Park Service, Grand Canyon National Park, SEPARATELY PAGINATED SECTIONS.
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**U.S. National Park Service, Water Resources Division**

- 2012 19.5737 Grand Canyon National Park (Arizona). *In: U.S. National Park Service, Water Resources Division, summary of Fiscal Year 2011 accomplishments.* Fort Collins, Colorado: U.S. National Park Service, Water Resources Division, p. B.8. [Summary report of removal of nonnative fish from Bright Angel Creek and translocation of humpback chub into Shinumo and Havasu creeks. See also underwater photo, p. A.11, "Young humpback chub leave the bucket and begin to explore their new home in Shinumo Creek, Grand Canyon National Park (Arizona)", by Melissa Trammell.]
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**U.S. National Park Service, Western Region**

- 1980 19.1727 *Proposed feral burro management and ecosystem restoration plan and final environmental statement.* [No imprint], 259 pp.  
 ≡ [CROSS-LISTINGS](#) [[CITED](#)» [GCNHA Monograph 8: page 4-29](#)]
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**U.S. National Park Service staff, [Grand Canyon National Park]**

- 1991 19.1728 *Life along the rim.* Grand Canyon, Arizona: Grand Canyon Natural History Association, folded pamphlet. (1 side of 2; "Grand Canyon geology" on verso.)  
 ≡ [CROSS-LISTINGS](#) [[CITED](#)» [GCNHA Monograph 8: page 4-46](#)]
- 2004 19.2682 *Life along the rim.* (Tom Pittenger, National Park Service Editor; Ron Short, Grand Canyon Association Art Director.) Grand Canyon, Arizona: U.S. National Park Service, Grand Canyon National Park, *in cooperation with* Grand Canyon Association, folded pamphlet. (1 side of 2; "Grand Canyon geology" on verso.)

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**U.S. National Research Council, Commission on Natural Resources, Board on Agriculture and Renewable Resources, Committee on Wild and Free-Roaming Horses and Burros**

1980 19.3113 *Wild and free-roaming horses and burros: Current knowledge and recommended research.* Washington, D.C.: National Academy Press, 382 pp.

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**U.S. Senate**

1940 19.1729 The status of wildlife in the United States; report of the Special Committee on the Conservation of Wildlife Resources pursuant to S. Res. 246 (71st Congress); a resolution appointing a special committee to investigate matters pertaining to replacement and conservation of wildlife. *U.S. 76th Congress, 3rd Session, Senate Report 1203*, 457 pp.

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**U.S. Senate, Committee on Energy and Natural Resources, Subcommittee on Public Lands and Resources**

1977 19.6647 *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, 202 pp. [Grand Canyon, *passim*.]

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**U.S. Soil Conservation Service, U.S. Economic Research Service; AND U.S. Forest Service**

1981 19.1730 *Little Colorado River Plateau Resource Conservation and Development Area, Arizona-New Mexico : Appendix IV, Recreation, fish and wildlife, and timber* (in cooperation with the states of Arizona and New Mexico). U.S. Department of Agriculture, 30, 43, 51 pp.

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

(Hwy. 64), 2". ***Onychomys leucogaster melanophrys* Merriam** (p. 625); specimens examined include "Mohave Co.: Diamond Butte, 4,700 ft, 25 (1); S boundary Gardner Ranch, Shivwits Plateau, 5,100 ft, 14 mi. N, 4 mi. W Mt. Dellenbaugh, 25 (1); Waring Ranch, Parashant Wash, Shivwits Plateau, 5,300 ft, 9 mi. N, 1 mi. W Mt. Dellenbaugh, 15 (9); Dry Lake, 4,500 ft, Grand Canyon Nat. Mon., 1 (-); 2 mi. S Dry Lake, 4,350 ft, Grand Canyon Nat. Mon. - (1). Coconino Co.: 4½ mi. S Fredonia, - (1); 5 mi. N, 3 mi. W Page, 2 (3); 5 mi. N, 2 mi. W Page, 14 (16); 16 mi. SW Navajo Bridge, 1 (2); North Canyon, House Rock Valley, - (2); House Rock Valley, 9½ mi. ENE Jacob Lake, - (3); House Rock Valley, 12 mi. E Jacob Lake, - (1); 6½ mi. W, 6 mi. S Marble Canyon, 2 (1); 1 mi. S, ½ mi. E Jacobs Pool, - (3); 5 mi. S, 1 mi. E Kane, -(2)."]

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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of the International Organization of Plant Biosystematists, McGill University, Montreal, Canada, July 17-21, 1983.”) [See in “Table I. Populations of section *Erythranthe* of the genus *Mimulus* used in the comparative study of the *Numerical taxonomic, Chemotaxonomic, Comparative allozyme, DNA/DNA hybridization and F1 fertility (cytogenetic)* approaches to classification” (p. 11), which includes “*M. verbenaceus* Greene 5924V Grand Canyon, Coconico [*sic*] Co., Arizona”.]

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

follow Doc Smith, a forest restoration expert, and his college class through heavily wooded areas and burned-out forests just south of the Grand Canyon" (p. 51). (The film apparently was formally produced in 2005.)]

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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**Walton-Day, Katherine; Hinck, Jo Ellen; Siebers, Benjamin J.; Campbell, Kate M.; Croteau, Marie-Noele; Welch, Eric; Schuster, Rudy; AND Michalegko, Lesley F.**

- 2021 19.6662 Innovative geoscience/society engagement—using art and social science to improve communication of the environmental effects of mining [ABSTRACT]. *Geological Society of America, Abstracts with Programs*, 53(6): Abstract 201-12, doi:10.1130/abs/2021AM-367906. [Uranium mining in the Grand Canyon region.]

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**Waltrip, Randy**

- 1999 19.1818 Ravens and crows; the confusing cousins. *Flare* (Arizona Daily Sun), (March 25): A12, A18.

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**Waltz, Amy [Waltz, Amy E. M.]**

- 1999 19.6014 (COMPILER) *Mt. Trumbull ecosystem restoration project : annual report for the year October 1, 1998 to September 30, 1999*. (W. Wallace Covington, Principal Investigator.) [Flagstaff, Arizona]: Northern Arizona University, College of Ecosystem Science and management, School of Forestry, Ecological Restoration Program, for U.S. Bureau of Land management, Arizona Strip District, 17 pp. [Mount Trumbull.]

**Waltz, Amy E. M., AND Covington, W. Wallace**

- 1999 19.3427 Butterfly richness and abundance increase in restored ponderosa pine ecosystem (Arizona). *Ecological Restoration*, 17(4): 244-246.
- 2001 19.3426 Butterfly response and successional change following ecosystem restoration. *In*: Vance, Regina K., Edminster, Carleton B., Covington, W. Wallace, and Blake, Julie A. (compilers), *Ponderosa pine ecosystems restoration and conservation: steps toward stewardship; conference proceedings; Flagstaff, AZ, April 25-27, 2000*. *U.S. Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-22*, pp. 88-94. [Study area between Mount Logan and Mount Trumbull, Arizona Strip.]

**Waltz, Amy E. M., AND Fulé, Peter Z.**

- 1998 19.4484 *Changes in ponderosa pine forests of the Mt. Logan Wilderness*. (W. Wallace Covington, principal investigator.) Flagstaff, Arizona: Northern Arizona University, College of Ecosystem Science and Management, School of Forestry, Ecological Restoration Program, for U.S. Bureau of Land Management, Arizona Strip District, 46 pp. [Mount Logan.]

**Waltz, Amy; Fulé, Peter; AND Verkamp, Greg**

- 2000 19.6008 (COMPILERS) *Restoration of ecosystem health in southwestern forests : comprehensive report, October 1, 1995 to September 30, 2000*. (Submitted by W. Wallace Covington.) Flagstaff, Arizona: Northern Arizona University, Ecological Restoration Institute, for U.S. Bureau of Land Management, Arizona Strip District, 68 pp. [Includes Mount Trumbull and Mount Logan.]
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Wan, H. Y.; Sisk, T. D.; AND Sanford, R. L., Jr.**

- 2015 19.4879 Overgrazing by bison destabilizes soil and diminishes plant growth in Grand Canyon National Park [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 89.

**Wang, Daqing**

- 2001 19.6588 *Systematics of the subterranean amphipod genus Stygobromus (Crangonyctidae) in western North America, with emphasis on species of the hubbsi group*. Doctoral dissertation, Old Dominion University (Norfolk, Virginia), 220 pp. [NOTE: New taxa described herein are not valid for the purposes of taxonomic nomenclature. Includes *Stygobromus blinni*, "new species" (pp. 20-24); see also distribution maps, pp. 198, 200. For formal publication of taxonomic acts, see Wang and Holsinger (2001, [ITEM NO. 19.6589](#)).]

**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.]

**Wang, Xianpu [王献溥]**

- 1990 19.6590 美国大峡谷国家公园的自然特点及其管理模式 [měiguó dà xiágǔ guójiā gōngyuán de zìrán tèdiǎn jí qí guǎnlǐ móshì] [The natural features and management model of the Grand Canyon National Park in the United States]. 广西植物 *Guihaia* / (中国科学院植物研究所 [zhōngguó kēxuéyuàn zhíwù yánjiū suǒ] [Chinese Academy of Science, Institute of Botany]), 10(1): 81-86. [Botanical perspective.] [In Chinese.]

**Ward, David Lance**

- 2000 19.3338 Swimming performance of young-of-the-year flannelmouth suckers. Desempeño de natación de reclutas del matalote boca de franela [ABSTRACT]. *Desert Fishes Council, Proceedings*, 21: 18. [Author listed as "Ward, L."] [In English and Spanish.]
- 2001 19.6706 *Effects of reduced water temperature on the performance and predation vulnerability of age-0 flannelmouth sucker (Catostomus latipinnis)*. Master's thesis, University of Arizona, 56 pp.
- 2001 19.2891 Effects of temperature on swimming performance of young-of-the-year flannelmouth sucker [ABSTRACT]. *Desert Fishes Council, Proceedings*, 32: 31. [Also in Spanish.]
- 2003 19.2434 Effects of marking techniques and handling on swimming ability of bonytail chub. *Arizona-Nevada Academy of Science, Journal*, 36(1): 34-36.

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 2005 19.2572 Removal and quantification of [sic] Asian tapeworm from humpback chub using Praziquantel [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2005. Abstracts. October 25-27, 2005, Fiesta Inn Resort, 2100 South Priest Drive, Tempe, AZ. [Flagstaff, Arizona]: [U.S. Geological Survey, Grand Canyon Monitoring and Research Center], p. 88.*
- 2005 19.3728 Removal and quantification of Asian tapeworm from endangered cyprinid fishes using Praziquantel [ABSTRACT]. *Desert Fishes Council, 37th Annual Meeting, November 16-20, 2005, Quatro Ciénegas, Coahuila, México, p. 24.*
- 2005 19.3341 Analysis of PIT-tag data from bluehead sucker, *Catostomus discobolus*, in the Little Colorado River in Grand Canyon, 1991-2003. Análisis de los datos provenientes de marcadores PIT aplicados al matalote cabez azul, *Catostomus discobolus*, en el Río Little Colorado en al Gran Cañón, 1991-2003 [ABSTRACT]. *Desert Fishes Council, Proceedings*, 35: 90-91. [Passive Integrated Transponder.] [In English and Spanish.]
- 2007 19.3163 Removal and quantification of Asian tapeworm from bonytail chub using Praziquantel. *North American Journal of Aquaculture*, 69(3): 207-210.
- 2012 19.3740 Salinity of the Little Colorado River in Grand Canyon confers anti-parasitic properties on a native fish. *Western North American Naturalist*, 72(3): 334-338. [Humpback chub.]
- 2017 19.5741 Colorado pikeminnow: Forgotten predator of the lower Colorado River [ABSTRACT]. *In: 50th Joint Annual Meeting, Arizona/New Mexico Chapter of the American Fisheries Society and Arizona and New Mexico Chapters of the Wildlife Society, February 9-11, 2017, Farmington, New Mexico : Celebrating 50 Years of Fish and Wildlife Management in Arizona and New Mexico. [No imprint], [unpaginated].*
- 2019 19.6265 Effects of high-flow experiments on warm-water native and nonnative fishes. *In: High-flow experiments assessment : extended abstracts : March 2019 annual reporting meeting presentations. [Flagstaff, Arizona]: U.S. Geological Survey, Grand Canyon Monitoring and Research Center, pp. 38-41.*

**Ward, David L., AND Bonar, Scott A.**

- 2003 19.2403 Effects of cold water on susceptibility of age-0 flannelmouth sucker to predation by rainbow trout. *Southwestern Naturalist*, 48(1) (March): 43-46.

**Ward, David L., AND David, J.**

- 2006 19.2632 Evaluation of PIT tag loss and tag-induced mortality in bluehead sucker (*Catostomus discobolus*). *Arizona-Nevada Academy of Science, Journal*, 38(2): 74-76. [Colorado River in Grand Canyon.]

**Ward, David L., AND Morton-Starnier, Rylan**

- 2015 19.4833 Effects of water temperature and fish size on predation vulnerability of juvenile humpback chub to rainbow trout and brown trout. *American Fisheries Society, Transactions*, 144(6): 1184-1191. [Glen and Grand Canyons.]
- 2015 19.4880 Consequences of an altered thermal regime for Colorado River native fishes in Grand Canyon [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts, p. 89.*

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Ward, David L., AND Persons, William**

- 2004 19.4454 *Little Colorado River fish monitoring : 2003 annual report*. Phoenix: Arizona Game and Fish Department, Research Branch, for Grand Canyon Monitoring and Research Center, Flagstaff, Arizona, 29 pp. (Cooperative Agreement 02WRAG0030.)
- 2005 19.2573 Little Colorado River, lower 1200 meter fish monitoring trends, 1987-2005 [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2005. Abstracts. October 25-27, 2005, Fiesta Inn Resort, 2100 South Priest Drive, Tempe, AZ.* [Flagstaff, Arizona]: [U.S. Geological Survey, Grand Canyon Monitoring and Research Center], p. 70.
- 2006 19.4455 *Little Colorado River fish monitoring : 2004 annual report : final revised version*. Phoenix: Arizona Game and Fish Department, Research Branch, for Grand Canyon Monitoring and Research Center, Flagstaff, Arizona, 34 pp. (Cooperative Agreement 02WRAG0030.)
- 2006 19.4456 *Little Colorado River fish monitoring : 2005 annual report : reviewed and revised version*. Phoenix: Arizona Game and Fish Department, Research Branch, for Grand Canyon Monitoring and Research Center, Flagstaff, Arizona, 34 pp. (Cooperative Agreement 04WRAG0016 Mod 2.)

**Ward, David L., AND Vaage, Ben M.**

- 2019 19.6196 What environmental conditions reduce predation vulnerability for juvenile Colorado River native fishes? *Journal of Fish and Wildlife Management*, 10(1) (June): 196-205 + Supplementary Material online, <https://doi.org/10.3996/042018-JFWM-031>.

**Ward, David L., AND Ward, Michael B.**

- 2020 19.6574 What's in the hump of the humpback chub? *Western North American Naturalist*, 80(1): 98-104.

**Ward, David L.; Maughan, O. E.; AND Bonar, S. A.**

- 2002 19.2435 A variable speed swim tunnel for testing the swimming ability of age-0 fish. *North American Journal of Aquaculture*, 64: 228-231.
- 2002 19.6707 Effects of temperature, fish length, and exercise on swimming performance of age-0 flannelmouth sucker. *American Fisheries Society, Transactions*, 131(3) (May): 492-497.

**Ward, David L.; Morton-Starner, Rylan; AND Vaage, Ben**

- 2016 19.5013 Effects of turbidity on predation vulnerability of juvenile humpback chub to rainbow and brown trout. *Journal of Fish and Wildlife Management*, 7(1) (June): 1-8. [Colorado River in Grand Canyon; laboratory experiments.]

**Ward, David L.; Schultz, Andrew A.; AND Matson, Paul G.**

- 2003 19.5342 Differences in swimming ability and behavior in response to high water velocities among native and nonnative fishes. *Environmental Biology of Fishes*, 68: 87-92. [Laboratory studies of "fish [captured] from the Colorado, Gila, Little Colorado, Verde and Santa Cruz Rivers in Arizona from September 2001 to January 2002." Also see p. 90, "The [mouth-]suctioning behavior in bluehead suckers has been observed in

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

natural populations while snorkeling in Havasu Creek in Grand Canyon National Park, Arizona." (ENTIRE NOTE)]

**Ward, David L.; Vaage, Ben; AND Morton-Starner, Rylan**

- 2018 19.5753 Are hatchery-reared rainbow trout and brown trout effective predators on juvenile native fish? [ABSTRACT]. *From:* Fisheries Abstracts Poster Presentation [SECTION]. *In:* *51st Joint Annual Meeting, Arizona and New Mexico Chapters of The Wildlife Society and Arizona/New Mexico Chapter of The American Fisheries Society, February 1-3, 2018, Little America, Flagstaff, Arizona*, p. 30. [NOTE: Each abstract section in this program erroneously begins with p. 27.]

**Ward, J. V.; Zimmermann, H. J.; AND Cline, L. D.**

- 1986 19.1819 Lotic zoobenthos of the Colorado system. *In:* Davies, Bryan R., and Walker, Keith F. (eds.), *The ecology of river systems*. Dordrecht, Boston, and Lancaster: Dr W. Junk Publishers, pp. 403-423. (*Monographiae Biologicae* [H. J. Dumont, series ed.], Volume 60.)

**Ward, Laurie Z.; Ward, Dale K.; AND Tibbitts, Timothy J.**

- 1992 19.4186 *Canopy density analysis at goshawk nesting territories on the North Kaibab Ranger District, Kaibab National Forest : final report*. Phoenix: Arizona Game and Fish Department, 23 pp. (Purchase Order 43-8156-0-0487, Nongame and Endangered Wildlife Program.)

**Ward, R. V.**

- 2003 19.2366 Mexican spotted owls found in unexpected habitat. *Nature Notes* (Grand Canyon National Park), 19(1) (Winter 2002-2003): 3.
- 2003 19.2799 Mexican spotted owl survey at Grand Canyon. *In:* *Natural Resource Year in Review—2002*. Denver: U.S. National Park Service, Natural Resource Information Division, Natural Resource Program Center, p. 42.

**Ward, Stephen L., AND Lachat, Robert**

- 1988 19.1820 Continued studies on the red harvester ant density and foraging activities on human impacted, Colorado River beaches in Grand Canyon National Park, 1987. *In:* *Colorado River Investigations VI : July/August, 1987* (supervised by Stanley S. Beus, Steven W. Carothers, and Frank B. Lojko). Flagstaff, Arizona: Northern Arizona University, for U.S. National Park Service, Grand Canyon National Park, pp. 44-59.

**Waring, Gwendolyn Lee**

- 1987 19.1821 *Plant stress and the ecology of gall-forming insects*. Doctoral dissertation, Northern Arizona University, 86 pp.
- 1995 19.1824 *Current and historical riparian vegetation trends in Grand Canyon, using multitemporal remote sensing analyses of GIS sites : draft final report*. Flagstaff,

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- Arizona: Northern Arizona University, School of Forestry, for Glen Canyon Environmental Studies, Northern Arizona University, National Park Service, 21, 19 pp. (Cooperative Agreement CA 8000-8-0002.) [Geographic Information System.]
- 1996 19.5539 *Current and historical riparian vegetation trends in Grand Canyon, using multitemporal remote sensing analyses of GIS sites : final report.* Flagstaff, Arizona: Northern Arizona University, School of Forestry, for Glen Canyon Environmental Studies, Northern Arizona University, National Park Service, 44 pp. (Cooperative Agreement CA 8000-8-0002.) [Geographic Information System.]
- 2011 19.3365 *A natural history of the Intermountain West : its ecological and evolutionary story.* Salt Lake City: University of Utah Press, 272 pp.  
     ≡ REVIEWS AND NOTICES Owen, 2011, ITEM NO. 30.705; Stevens, 2011, ITEM NOS. 30.702, 30.981
- 2018 19.6007 *The natural history of the San Francisco Peaks : a sky island of the American Southwest.* [No place]: Gwendolyn L. Waring, 205 pp., 16 pp. color plates. [Regional perspective and notes include Grand Canyon area.]

**Waring, Gwendolyn L., AND Price, P. W.**

- 1990 19.1825 Plant water stress and gall formation (Cecidomyiidae: *Asphondylia* spp.) on creosote bush. *Ecological Entomology*, 15(1): 87-95.

**Waring, Gwendolyn L., AND Stevens, Lawrence E.**

- 1986 19.1823 *The effects of recent flooding on riparian plant establishment in Grand Canyon.* Flagstaff, Arizona: Glen Canyon Environmental Studies, for U.S. National Park Service, Grand Canyon National Park, 79 pp. (Terrestrial Biology of the Glen Canyon Environmental Studies.)
- 1988 19.5513 The effects of recent flooding on riparian plant establishment in Grand Canyon. *In:* U.S. Bureau of Reclamation, Glen Canyon Environmental Studies, *Glen Canyon Environmental Studies : executive summaries of technical reports : November 1988.* [No place]: Glen Canyon Environmental Studies, pp. 257-270.

**Warren, Katherine D.**

- 1993 19.6726 *Sentry milk-vetch (Astragalus cremnophylax var. cremnophylax) monitoring handbook.* U.S. National Park Service, Grand Canyon National Park, Division of Resources Management. [Superseded by Brian (1997, ITEM NO. 19.6727).]

**Warren, Larry**

- 1996 19.2358 Stirring things up on the Colorado River. *High Country News*, 28(7) (April 15):.

**Warren, Peter L., AND Schwalbe, Cecil R.**

- 1985 19.1826 Herpetofauna in riparian habitats along the Colorado River in Grand Canyon. *In:* Riparian ecosystems and their management: Reconciling conflicting uses. First North American Riparian Conference, April 16-18, 1985, Tucson, Arizona. *U.S. Forest Service, Technical Report RM-120*, pp. 347-354.

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- 1988 19.5515 *Lizards along the Colorado River in Grand Canyon National Park: Possible effects of fluctuating river flows.* *In:* U.S. Bureau of Reclamation, Glen Canyon Environmental Studies, *Glen Canyon Environmental Studies : executive summaries of technical reports : November 1988.* [No place]: Glen Canyon Environmental Studies, pp. 297-317.

**Warren, Peter L.; Reichhardt, Karen L.; Mouat, David A.; Brown, Bryan T.; AND Johnson, R. Roy**

- 1982 19.1828 *Vegetation of Grand Canyon National Park.* *U.S. National Park Service/University of Arizona, Cooperative National Park Resources Studies Unit, Technical Report 9*, 140 pp. (Contract Nos. CX-8210-7-0028, CX-8000-9-0033.) (U.S. National Park Service/University of Arizona, Contribution No. 017/06.)  
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**Warrick, Curtis W.**

- 1989 19.6413 *Peregrine falcon survey of the Arizona Strip District, Bureau of Land Management* [ABSTRACT]. *In:* Twenty-third Annual Meeting, April 15, 1989, University of Nevada, Las Vegas. *Arizona-Nevada Academy of Science, Journal*, 24(1989 Proceedings Supplement): 24.

**Washburn, Richard I., AND McGregor, Mark D.**

- 1974 19.4498 *White fir needle miner.* *U.S. Forest Service, Forest Pest Leaflet 144*, 5 pp. [Notes Grand Canyon North Rim.]

**Waskiewicz, Justin D.**

- 2003 19.6260 *Snags and partial snags in managed, relict, and restored ponderosa pine forests of the Southwest.* Master's thesis, Northern Arizona University, 105 pp. [Study area between Mt. Trumbull and Mount Logan, within Grand Canyon-Parashant National Monument.]

**Wason, Elizabeth**

- 2014 19.4421 *Down the great river; the diary of a cactus hunter.* *LSA Magazine* (University of Michigan, College of Literature, Science and Arts), (Spring): 11-17. [Elzada Clover, Colorado River trip through Grand Canyon.] [NOTE: Article includes full-page illustration of the type of *Sclerocactus havasupaiensis* var. *roseus* Clover (p. 13).]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Wasowicz, Anthony, AND Valdez, Richard A.**

- 1994 19.1829 Historic and present distribution and abundance of humpback chub in Grand Canyon, Arizona [ABSTRACT]. *Desert Fishes Council, Program with Abstracts, 26th Annual Symposium, 17-20 November, 1994, Death Valley National Park*, p. 21.
- 1994 19.5042 Historic and present distribution and abundance of humpback chub in Grand Canyon, Arizona [ABSTRACT]. Distribución y abundancia actual e histórica del charal jorobado en el Gran Cañón, Arizona [RESUMEN]. *Desert Fishes Council, Proceedings*, 26: 57-58. [In English and Spanish.]

**Wasowicz, Anthony, AND Yard, Helen**

- 1993 19.1830 Predation by osprey on endangered humpback chub. *Great Basin Naturalist*, 53(3): 314-315.

**Wasserman, Tzeidle N.**

- 2015 19.4912 Wildlife and fire: Impacts of wildfire and prescribed fire on wildlife and habitats in southwestern coniferous forests. *Northern Arizona University, Ecological Restoration Institute, Working Paper 36*, 9 pp.

**Watahomigie, Lucille J.; Powskey, Malinda; AND Bender, Jorgine**

- 1982 19.2835 (WITH Elnora Mapatis, Caryl McHarney, Phyllis Hogan Boone, and Francis Hunt) *Hualapai ethnobotany*. Peach Springs, Arizona: Hualapai Bilingual Program, Peach Springs School District No. 8, 61 pp. [In *Hualapai*, by Elnora Mapatis; photographs by Caryl McHarney and Lucille J. Watahomigie; scientific identifications and comparative studies by Phyllis Hogan Boone and Francis Hunt.]

**Waterfall, U. T.**

- 1959 19.6426 A revision of *Eucnide*. *Rhodora* (New England Botanical Club, Journal), 61(729) (September): 231-243. [See *Eucnide urens* (Parry ex A. Gray) (pp. 236-237). "Selected collections" include "Arizona: Grand Canyon: *cummings* June 22, 1942, growing in Red Wall limestone near Mooney Falls, Havasu Canyon (US)".]

**Watson, Benjamin**

- 1996 19.3289 *Taylor's guide to heirloom vegetables : a complete guide to the best historic and ethnic varieties*. New York: Houghton Mifflin Co., 343 pp. [See p. 275, "Havasupai Striped" (sunflower).]

**Watson, Richard T.**

- 2011 19.6249 Bleifragmente von Jagergeschossen in erlegten Wildtieren: Die Quelle der Bleivergiftungen und ihre Auswirkungen auf den Kalifornischen Kondor. *In*: Krone, Oliver (ed.), *Bleivergiftungen bei Greifvögeln : Ursachen, Erfahrungen, Lösungsmöglichkeiten : der Seeadler als Indikator*. Berlin: Leibniz Institut für Zoo und

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

Wildtierforschung, and Leibniz Gemeinschaft, pp. 86-97. [Regarding lead poisoning in California condors; includes Arizona.] [In German.]

**Watson, Sereno**

- 1873 19.1831 New plants of northern Arizona and the region adjacent. *American Naturalist*, 7(5) (May): 299-303. [Also published as offprint, with header, "Contributions to American Botany. I.", "Printed at the Salem Press. May, 1873.", 7 pp.]  
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- 1874 19.1832 Botanical report. *From*: Botany. List of plants collected in Nevada, Arizona, and Utah, upon Lieut. G. M. Wheeler's survey in 1871 and 1872. *In*: *U.S. Geographical and Geological Explorations and Surveys West of the One Hundredth Meridian. Catalogue of plants collected in 1871, 1872, and 1873, with descriptions of new species*, pp. 6-19.
- 1888 19.3590 Contributions to American botany. *American Academy of Arts and Sciences, Proceedings*, 23(2): 249-287. [See *Lesquerella arizonica*, p. 254; including Peach Springs, Arizona.]

**Watson, Thomas J., Jr.**

- 1977 19.6387 The taxonomy of *Xylorhiza* (Asteraceae—Astereae). *Brittonia*, 29(2) (April/June): 199-216. ("A portion of a dissertation submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy in the Department of Botany, University of Texas at Austin, August, 1972.") [See *Xylorhiza tortifolia* var. *imberbis* (Cronquist) T. J. Watson, new combination (pp. 211-212). Representative specimens include "Coconino Co.: Kaibab Trail, Grand Canyon, 4 May 1940, *Collom K75* (RM); Hermit Trail, Grand Canyon, 9 Apr 1917, *Eastwood 5954* (UC); Mooney Falls, Havasu Canyon, 26 Mar 1941, *Peebles 15019* (ARIZ). Mohave Co.: Grand Canon Natl Monument: Covingtons Mine Trail below Red Cliffs, 1 May 1958, *Cottam 14836* (UT); S of Toroweap Point, near Devil's Bathtub and Burro Canyon, 1 May 1952, *McClintock 52-332* (ARIZ, NY, UC); N of Saddle Horse Spring, 1 May 1958, *Cottam 14810* (ARIZ, UC, UT)."]

**Watson, Welland A.**

- 1936 19.1833 An unusual nesting habit. *In*: Contributions to Grand Canyon ornithology. *Grand Canyon Natural History Association, Bulletin 4*, pp. 5-6. [Chestnut-backed bluebird and pygmy nuthatch using the same nesting hole in an old pine near mule barns at Grand Canyon.]

**Watters, Kate [Watters, Katie] [Watters, Katharine]**

- 2006 19.2638 Grand Canyon's first annual herbarium festival. *Nature Notes* (Grand Canyon National Park), 21(2) (Winter): 7.
- 2008 19.5159 Grand Canyon Trust volunteers: Partners in protecting biodiversity. *The Plant Press* (Arizona Native Plant Society), 32(2) (November): 18-19, 21. [Includes Vermilion Cliffs area.]



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- 2010 19.3215 Looking lower; exploring the secret lives of plants. *In*: Full Frontal [SECTION]. *Flagstaff Live!*, 16(19) (May 13-19): 4.
- 2010 19.3547 Passion and loss; living where worlds collide. *In*: Full Frontal [SECTION]. *Flagstaff Live!*, 16(44) (November 4-10): 4. [Eric York mountain lion research.]
- 2012 19.3512 The Kane and Two Mile Ranches. *The Plant Press* (Arizona Native Plant Society), 36(1) (Fall): 9-10. [Kane Ranch, Two Mile Ranch.]
- 2014 19.4534 In pursuit of plants. *In*: Kempa, Rick (ed.), *On foot : Grand Canyon backpacking stories*. Flagstaff, Arizona: Vishnu Temple Press, pp. 167-178.

**Watters, Kate, AND Hodgson, Wendy**

- 2012 19.5021 The Plant Atlas Project of Arizona: A partnership for plants. *The Plant Press* (Arizona Native Plant Society), 36(1) (Fall): 1-3.

**Watters, Kate, AND Makarick, Lori**

- 2008 19.5724 *Grand Canyon National Park and Grand Canyon National Park Foundation : Final 2007 management and monitoring report : management and control of tamarisk and other invasive vegetation at backcountry seeps, springs and tributaries in Grand Canyon National Park (Phase II-A, firstyear of Phase II of comprehensive project)*. Flagstaff, Arizona: [U.S. National Park Service], Grand Canyon National Park, Backcountry Vegetation Program, 106 pp. (Arizona Water Protect Fund Contract No. 05-131WPF.) ("FINAL Revision Submitted to Grand Canyon National Park Foundation and AWPF on: February 22, 2008".)

**Watters, Kate; Huisinga, Kristin; AND Makarick, Lori**

- 2006 19.2609 The Grand Canyon plant guide. *In*: About Books [SECTION]. *Boatman's Quarterly Review*, 18(4) (Winter 2005-2006): 15. [Update and announcement of title in press. Item signed as "The Charlie's Angels of Botany" and by name.]
- 2006 19.2637 That plant guide. *Boatman's Quarterly Review*, 19(3) (Fall): 47. [Item signed "Kate, Kristin and Lori"; announcement of book in press, *River and Desert Plants of the Grand Canyon*, by Kristin Huisinga, Lori Makarick, and Kate Watters.]

**Wauer, Roland H., AND Wolf, Mimi Hoppe**

- 2004 19.3179 *Birding the southwestern national parks*. College Station, Texas: Texas A&M University Press, 200 pp. (W. L. Moody, Jr., Natural History Series, 25.) ["Grand Canyon National Park", pp. 66-79.]

**Wayne, R., AND Hedrick, P. W.**

- 2011 19.4731 Genetics and wolf conservation in the American West: lessons and challenges. *Heredity*, 107: 16-19. [Includes Grand Canyon North Rim (Kaibab Plateau).]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Webb, George Ernest**

- 1978 19.4803 *The scientific career of A. E. Douglass, 1894-1962*. Doctoral dissertation, University of Arizona, 441 pp.
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**Webb, Melanie A., AND Fridell, Richard A.**

- 2000 19.2235 Kanab ambersnail distribution surveys in the East Fork of the Virgin River, upper Parunuweap Canyon, Utah, May 8-May 13, 2000; final report. *Utah Division of Wildlife Resources, Publication 00-29*, 16 pp.
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**Webb, P. M.**

- 1960 19.1834 Turkey trapping and transplanting in Arizona. *Proceedings of the Fortieth Annual Conference of the Western Association of State Game and Fish Commissioners*, pp. 182-187.

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**Webb, Robert H.; Belnap, Jayne; Scott, Michael L.; AND Esque, Todd C.**

- 2011 19.3647 Long-term change in perennial vegetation along the Colorado River in Grand Canyon National Park (1889-2010). *Park Science* (U.S. National Park Service), 28(2) (Summer): 83-87.

**Webb, Robert H.; Leake, Stanley A.; AND Turner, Raymond M.**

- 2007 19.3566 *The ribbon of green : change in riparian vegetation in the southwestern United States*. (Principal photography by Dominic Oldershaw.) Tucson: University of Arizona Press, 462 pp.

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**Wetmore, Alexander**

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

- Grand Canyon”, p. 519); *F. (Proformica) neogagates neogagates* Emery (pp. 536-538; examined material from “Coconino Forest at the Grand Canyon”, p. 538); *F. (Neoformica) Wheeler*, new subgenus *moki* Wheeler, 1906 (pp. 558-560; type material for species noted from “Bright Angel Trail, Grand Canyon, 5,500-7,000 ft.” (p. 560).]
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- 1915 19.3630 Some additions to the North American ant-fauna. *American Museum of Natural History, Bulletin*, 34: 389-421. [See *Aphaenogaster texana* Emery, pp. 412-413. “A very similar form, but slightly darker in the worker phase and tending towards the variety [*A. t. furvescens*, new variety, p. 413 and following], was collected in the Indian Garden on the Bright Angel Trail in the Grand Cañon, Arizona.” (ENTIRE NOTE) *A. t.* var. *furvescens* is described from Huachuca Mountains and Ramsay Canyon, Arizona. Also see *Camponotus acutirostris* Wheeler *clarigaster*, new variety, p. 420; “A single specimen taken at an altitude of about 3000 ft. on the Bright Angel Trail in the Grand Cañon, Arizona.”]
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**White, M. J. D.**

- 1949 19.4362 A cytological survey of wild populations of *Trimerotropis* and *Circotettix*. (Orthoptera, Acrididae). I. The chromosomes of twelve species. *Genetics*, 34 (September): 537-

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563. [Includes *Trimerotropis* sp. from Kingman, Arizona. Also reference to individuals of *T. cyaneipennis* from Grand Canyon as studied by King (1924 [ITEM NO. 19.4361]).]

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**Whitfield, Mary J., AND Sogge, Mark K.**

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- 2011 19.3965 *Lower Colorado River basin aquatic Gap analysis project : draft final report, 2011*. [No place]: U.S. Geological Survey, Biological Resources Division, Gap Analysis Program, 265 pp. (Contract administered through Kansas State University, Kansas Cooperative Fish and Wildlife Research Unit. Cooperative Agreement No. 1434-01HQRU1578.)

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- 1899 19.3226 The habits of American Cicindelidae. *Davenport Academy of Natural Sciences, Proceedings*, 7: 206-228. [Includes *Cicindela rufiventris* var. *arizonae*, new variety (pp. 226-227), based on specimens from "Grand Canyon" and from specimens collected in 1892 by "Professor [C. H. Tyler] Townsend" [on Hance Trail] between "Hance's stone cabin, 2500 feet below the rim . . . quite to the bottom of the cañon".]

**Wickland, Stacey Elizabeth**

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- 2006 19.5166 Juvenile movement and natal dispersal of northern goshawks in Arizona. *The Condor*, 108: 253-269. [Kaibab Plateau.]

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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- 2009 19.3577 Assessing fue; treatment effectiveness using satellite imagery and spatial statistics. *Ecological Applications*, 19(6) (September): 1377-1384; plus "Appendix A", "Appendix B", and "Supplement", *Ecological Archives* [web resource] A019-057-A1 (5 pp.), -A2 (4 pp.), and -A3 (2 pp.), <http://esapubs.org/archive/appl/A019/057/appendix-A.htm>, <http://esapubs.org/archive/appl/A019/057/appendix-B.htm>, <http://esapubs.org/archive/appl/A019/057/suppl-1.htm>. [Data sources include Warm fire, Kaibab Plateau.] [Web resources last accessed 1 January 2019.]

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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- 2018 19.5952 Beyond traditional ecological restoration on the Colorado Plateau. *Restoration Ecology*, doi:10.1111/rec.12876 + Supporting Information online. [Includes Grand Canyon National Park, Lake Mead National Recreation Area, Pipe Spring National Monument.]

**Winter, Ara S.; Hathaway, Jennifer J. M.; Kimble, Jason C.; Buecher, Debbie C.; Valdez, Ernest W.; Porras Alfaro, Andrea; Young, Jesse M.; Read, Kaitlyn J. H.; AND Northup, Diana E.**

- 2017 19.5650 Skin and fur bacterial diversity and community structure on American southwestern bats: effects of habitat, geography and bat traits. *PeerJ*, 3: e3944, doi:10.7717/peerj.3944, 22 pp. + Supplemental Information online. [Study areas include Grand Canyon-Parashant National Monument.] [From p. 20, regarding data availability: "Biome files, QIIME mapping files, workflow, and R scripts are archived at <https://zenodo.org/record/17577#>. A Binder (<http://mybinder.org/>) ipython notebook with the full dataset used in this paper is available at: <https://github.com/bioinfor/microBat>. Supplemental information for this article can be found online at <http://dx.doi.org/10.7717/peerj.3944#supplemental-information>."] ]

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**Winters, S. R.**

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- 1999 19.4071 *Native plant uptake model for radioactive waste disposal areas at the Nevada Test Site*. Albuquerque, New Mexico: IT Corporation, and Sandia National Laboratories, for U.S. Department of Energy, 60 pp. + appendices [114 pp. total]. (Contract No. DE-AC-04-94-AL-85000.) [Regarding "Woodland Communities" (pp. 5, 7), see Figure 3 (p. 8), "Piñon (*Pinus edulis*) dominated Great Basin conifer woodland on Fish Tail Mesa, Kaibab National Forest, Arizona".]

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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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- 1979 19.1883 The autumn migration, August 1-November 20, 1978: Southwest region. *American Birds*, 33: 202-204.  
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- 1987 19.1886 A Pennsylvanian-age terrestrial storm deposit: Using plant fossils to characterize the history and process of sediment accumulation. *Journal of Sedimentary Petrology*, 57(2): 212-221. [See figure 4D, Kaibab Plateau gale-felled tree orientations; as a modern analogue.]  
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PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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- 1997 19.1887 *Fire history of mixed-conifer forests on the North Rim, Grand Canyon National Park.* Master's thesis, Northern Arizona University, 70 pp.
- 1997 19.6924 Fire history of mixed conifer forests in northern Arizona [ABSTRACT]. *In:* Ecological Society of America, 1997 Annual Meeting jointly with The Nature Conservancy, 10-14 August 1997, Albuquerque, New Mexico; "Changing Ecosystems: Natural and Human Influences"; Abstracts. *Ecological Society of America Bulletin*, 78(4) (October, Supplement): 332. [Walhalla Plateau and Basin areas, North Rim.]

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**Wolf, Theodor**

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**Wolff, Theodore A., AND Nielsen, Lewis T.**

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- 1974 19.2908 Additional records of culicine and chaoborine mosquitoes from the mountains of Arizona and New Mexico. *In:* *California Mosquito Control Association, 42nd Annual Conference, and American Mosquito Control Association, 30th Annual Meeting, February 24-27, 1974*, pp. 41-42.

**Wolters, Pilar N., AND Rowgowski, David L.**

- 2018 19.5749 An identification crisis: It's a razorback . . . it's a flannelmouth . . . no, it's a hybrid! [ABSTRACT]. *From:* Fisheries Abstracts Oral Presentation [SECTION]. *In:* *51st Joint Annual Meeting, Arizona and New Mexico Chapters of The Wildlife Society and Arizona/New Mexico Chapter of The American Fisheries Society, February 1-3, 2018, Little America, Flagstaff, Arizona*, p. 40. [Ellipses are part of title.] [NOTE: Each abstract section in this program erroneously begins with p. 27.]
- 2018 19.6028 Should one age a warmwater fish in a coldwater system? [ABSTRACT]. *In:* *Desert Fishes Council : Consejo de los Peces del Desierto : 50th Annual Meeting : long program : 14-18 November 2018, Furnace Creek, Death Valley National Park, California, USA*, p. [38]. [Lees Ferry fishery.]

PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

**Wolters, Pilar N.; Rowgoski, David L.; Gibb, Alice C.; AND Ward, David L.**

- 2017 19.5739 Razorback and flannelmouth sucker hybrids; hatch rates, larval survival and geometric morphometrics [ABSTRACT]. *In: 50th Joint Annual Meeting, Arizona/New Mexico Chapter of the American Fisheries Society and Arizona and New Mexico Chapters of the Wildlife Society, February 9-11, 2017, Farmington, New Mexico : Celebrating 50 Years of Fish and Wildlife Management in Arizona and New Mexico.* [No imprint], [unpaginated].

**Wonders, Karen**

- 1993 19.2173 Habitat dioramas; illusions of wilderness in museums of natural history. *Acta Universitatis Upsaliensis, Figura Nova Series 25* (Uppsala), 262 [263] pp. [Doctoral dissertation, 1993. See pp. 180-181, fig. 100, "Mountain Lion Group" at American Museum of Natural History, which illustrates a scene on the North Rim of Grand Canyon.]

**Wong, Debbie**

- 1999 19.1956 *Community analysis of hanging gardens at Zion National Park, Utah, and the Colorado Plateau.* Master's thesis, Northern Arizona University, 95 pp. [Includes notes on Grand Canyon.]

**Woo, Ben**

- 1973 19.5353 1973 Dan Stuntz Foray. *Spore Prints* (Puget Sound Mycological Society, Bulletin) (Seattle, Washington), (94) (September): 1. [Includes notes of collecting on the Kaibab Plateau, August 18.]

**Wood, Sherwin F.**

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**Wood, Stephen L.**

- 1982 19.6016 The bark and ambrosia beetles of North and Central America (Coleoptera: Scolytidae), a taxonomic monograph. *Great Basin Naturalist Memoirs*, (6), 1359 pp. [Grand Canyon regional localities cited throughout.]

**Woodall, Greg**

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- 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.]

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

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- 2019 19.6266 Effects of high-flow events (and other factors) on salmonids. *In: High-flow experiments assessment : extended abstracts : March 2019 annual reporting meeting presentations*. [Flagstaff, Arizona]: U.S. Geological Survey, Grand Canyon Monitoring and Research Center, pp. 42-44.
- 2019 19.6290 Using population models of interacting species to support decisions [ABSTRACT]. *In: 15th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region : theme: "Science and Solutions for Conserving the Southwest's Land, Water, Biodiversity and Cultures" : September 9-12, 2019, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, p. 119. [Tamarisk beetle and southwestern willow flycatcher, Grand Canyon.]

### Yackulic, Charles B., AND Hull, Julia B.

- 2019 19.6255 Effects of water temperature, turbidity, and rainbow trout on humpback chub population dynamics. *U.S. Geological Survey, Fact Sheet 2019-3049*, 4 pp.

### Yackulic, Charles B.; Korman, Josh; Yard, Michael D.; AND Dzul, Maria

- 2018 19.5801 Inferring species interactions through joint mark-recapture analysis. *Ecology*, 99(4) (April): 812-821 + Supporting Information online, <http://onlinelibrary.wiley.com/doi/10.1002/ecy.2166/supinfo> (Appendices S1-S4, 11

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**Yackulic, Charles B.; Yard, Michael D.; Korman, Josh; AND Van Haverbeke, David R.**

- 2014 19.4445 A quantitative life history of endangered humpback chub that spawn in the Little Colorado River: variation in movement, growth, and survival. *Ecology and Evolution*, 4(7): 1006-1018 + Supporting Information online (Appendices S1-S4), 23 pp. [Published as a part of Methods in Ecology and Evolution: Joint Special Feature: Modelling Demographic Processes in Marked Populations: Proceedings of the EURING 2013 analytical meeting.]

**Yang, Yuqing; Gong, Adu; Wu, Jianjun; Li, Jing; Zeng, Tingting; AND Chen, Yanling**

- 2019 19.6343 Study on the temporal and spatial distribution of forest fires in California, USA, their post-disaster effects and vegetation change characteristics [ABSTRACT]. *American Geophysical Union, 2019 Fall Meeting, San Francisco, CA, 9-13 December 2019*, Abstract NH43C-0954. [Abstract in imperfect English, including the geographically disjointed note, "Northern California mainly affects the town of paradise in chico, and parts of the grand canyon railway from Williams, Arizona to grand canyon national park are affected. [sic]".]

**Yao, Weiwei, AND Chen, Yuansheng**

- 2018 19.5996 Assessing three fish species ecological status in Colorado River, Grand Canyon based on physical habitat and population models. *Mathematical Biosciences*, 298 (April): 91-104. [Rainbow trout, brown trout, flannelmouth sucker.]

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**Yao, Weiwei; Liu, Huaxian; Chen, Yuansheng; Zhang, Wenyi; Zhong, Yu; Fan, Haiyan; Li, Linkai; AND Sudeep Bamal**

- 2017 19.5473 Simulating spawning and juvenile rainbow trout (*Onchorhynchus mykiss*) habitat in Colorado River base don high-flow effects. *Water* (MDPI: Multidisciplinary Digital Publishing Institute, Basel, Switzerland), 9(150), 15 pp. [Colorado River in Glen Canyon, between Glen Canyon Dam and Lees Ferry.]



PART 19. BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION

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- 2015 19.4723 Three high flow experiment releases from Glen Canyon Dam on rainbow trout and flannelmouth sucker habitat in Colorado River. *Ecological Engineering*, 75(2) (February): 278-290.

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**Yarborough, R. Fenner, AND Chambers, Carol L.**

- 2007 19.2863 Using visual evidence of Mogollon voles (*Microtus mogollonensis*) to predict their presence in northern Arizona. *Southwestern Naturalist*, 52(4): 511-519.

**Yard, Helen K.**

- 1996 19.1909 Birds, bugs, and exotic shrubs. *Colorado Plateau*, 6(2) (Summer): 4-5, 7.
- 1996 19.4531 *Quantitative diet analysis of selected breeding birds along the Colorado River in Grand Canyon National Park*. [Flagstaff, Arizona]: U.S. Geological Survey, Colorado Plateau Research Station, Northern Arizona University, for U.S. National Park Service, Grand Canyon National Park, Resource Management, 41 pp.
- 1998 19.4530 *Diet analysis of selected breeding birds along the Colorado River in Grand Canyon National Park*. Master's thesis, Northern Arizona University, 128 pp.

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- 2004 19.2487 Diets of insectivorous birds along the Colorado River in Grand Canyon, Arizona. *The Condor*, 106(1): 106-115.

**Yard, Michael D. [Yard, Mike]**

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- 1992 19.1911 Willow flycatcher. *The News* (Grand Canyon River Guides), 5(3) (Summer): 3.
- 2003 19.2488 *Light availability and aquatic primary production: Colorado River, Glen and Grand Canyons, Arizona*. Doctoral dissertation, Northern Arizona University, 205 pp.

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**Yard, Michael D., AND Blinn, Dean W.**

- 2001 19.2075 Primary production rates under varying light, temperature and biomass conditions [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2001 : Little America Hotel, Flagstaff, Arizona, April 26 and 27, 2001 : organized by the Grand Canyon Monitoring and Research Center, U.S. Geological Survey. Program and abstracts.* [Flagstaff, Arizona: Grand Canyon Monitoring and Research Center], p. 46. (Glen Canyon Dam Adaptive Management Program.)
- 2001 19.2076 LSSF experiment: Phytobenthic colonization in response to snail grazing [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2001 : Little America Hotel, Flagstaff, Arizona, April 26 and 27, 2001 : organized by the Grand Canyon Monitoring and Research Center, U.S. Geological Survey. Program and abstracts.* [Flagstaff, Arizona: Grand Canyon Monitoring and Research Center], p. 47. (Glen Canyon Dam Adaptive Management Program.)

**Yard, Michael D., AND Coggins, Lewis G.**

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