

BIBLIOGRAPHY *of*
NON-AVIAN TERRESTRIAL VERTEBRATES
of the
GRAND CANYON REGION
(INCLUDING BATS)

SECOND EDITION

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RAVEN'S PERCH MEDIA

BIBLIOGRAPHY OF NON-AVIAN TERRESTRIAL VERTEBRATES OF THE GRAND CANYON REGION

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THE GRAND CANON

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GRAND CANYON AND LOWER COLORADO RIVER REGIONS
IN THE UNITED STATES AND MEXICO

VOLUME 1 : INTRODUCTION AND BIBLIOGRAPHY

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PREFACE

THE CITATIONS LISTED HERE have been extracted from Volume 1 of *THE GRAND CANON*, a far more expansive bibliography of the Grand Canyon and lower Colorado River regions of southwestern North America. (*THE GRAND CANON* is a series of publications accessible online at <https://ravensperch.org>.) This bibliography on non-avian terrestrial vertebrates (including bats) complements other biologically focused bibliographies that have been prepared for the Grand Canyon region (also accessible on the Raven's Perch Media website).

These listed publications are specifically about non-avian terrestrial taxa—and bats—or topics that address them. Items that are not organismally focused studies, or that do not specially mention non-avian terrestrial topics—for example, more broadly focused ecological investigations or studies of environmental concerns—do not appear in this special bibliography. For citations that relate to broader ecological and environmental matters, which otherwise are about the environments of this region, consult the much more comprehensive listings in Part 19 of *THE GRAND CANON*, Volume 1).

For **avian vertebrates**, see the *Bibliography of Ornithology of the Grand Canyon Region*.

For **fish**, see the *Bibliography of Ichthyology of the Lower Colorado River*, which uniquely distinguishes between publications about the Grand Canyon and about the lower Colorado River below Grand Canyon (and including the lower Virgin and Muddy Rivers).

Each citation here includes an Item number (for example, 19.4217; the prefix "19." indicates that it is from Part 19 of the much larger bibliography, *THE GRAND CANON*, Volume 1). They serve as serial numbers only, which uniquely identify citations throughout *THE GRAND CANON*. Numbers are assigned as citations are acquired for the bibliography, thus they do not follow in order.

See <https://ravensperch.org> for everything pertaining to the complete Grand Canyon–Lower Colorado River bibliography.

BIBLIOGRAPHY OF
NON-AVIAN TERRESTRIAL VERTEBRATES
OF THE GRAND CANYON REGION
(INCLUDING BATS)

ANONYMOUS

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

- NO DATE 19.1 *Life zones and ecosystems.* Grand Canyon Natural History Association, pamphlet.
- NO DATE 19.2 *Arizona wildlife : mammals.* Arizona Game and Fish Department, Form 4012, [32] 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).]
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DATED PUBLICATIONS, GROUPED BY YEAR

- 1893 19.4 Arizona game preserves. *Arizona's Resources*, 1 (February): 18.
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- 1901 19.3529 Kanab [NEWS]. Mustang hunting. Ranchmen engaged in rounding-up the wild horses of the plains. *Deseret News*, (October 16): 7 [issue pagination]. (From New York *Evening Sun*.) [Brief item of ranchmen of northwestern Arizona, southwestern Utah, and Nevada gathering at Pipe Spring for a wild-mustang hunt in the region.]
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- 1902 19.3197 The horned toads. *Birds and Nature*, 12(4) (November): 178-180. [See p. 179.] [Written in the first-person but without by-line.]
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- 1905 19.4093 [Game preserve.] *Shooting and Fishing*, 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 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].
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- 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 hear 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

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is on foot to make the Buckskin mountains [Kaibab Plateau] of this section a national game preserve." (ENTIRE NOTE)]

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, ITEM NO. 19.3536).]
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, ITEM NO. 19.3535).]

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.]
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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	19.4628	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.]

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

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- 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.] *The Christian Register* (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 19.4090 [Sheep in Grand Canyon Game Preserve.] *American Sheep-Breeder and Wool-Grower* (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. *National Wool Grower* (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.] *In*: Forest Notes [SECTION]. *Building and Engineering News* (San Francisco), 16(19) (May 10): 13.
- 1916 19.6594 [Feral burros in Grand Canyon.] *In*: Forest Notes [SECTION]. *Hardwood Record* (The Hardwood Company, Chicago), 41(3) (May 25): 21.
- 1916 19.4674 [Feral burros in Grand Canyon.] *The American Thresherman and Farm Power* (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)]
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- 1917 19.3802 Crossing the buffalo with beef cattle. *Popular Mechanics Magazine*, 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.] *In*: Along the Trail [SECTION]. *Santa Fe Magazine*, 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)]
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- 1921 19.3228 Deer in Grand Cañon saved from extinction. *Popular Mechanics Magazine*, 35(1) (January): 83.
- 1921 19.3489 [Brief notice by Jesse Nusbaum of deer and geese on Kaibab Plateau.] *In*: Along the Trail [SECTION]. *Santa Fe Magazine*, 15(4) (March): 66.
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- 1922 19.4817 Side lights of the California meeting of the National Dental Association. *In*: Orthodontic News and Notes [SECTION]. *International Journal of Orthodontia, Oral*

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Surgery and Radiography, 8(8) (August): 534-. [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.]

1924	19.3494	Estimate made of big game animals on national forests. <i>California Fish and Game</i> , 10(1) (January): 36-38. [Kaibab Plateau game conditions noted, pp. 37, 37-38.]
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	19.6625	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.
1924	19.8	Starvation threatens Kaibab deer. <i>American Forests and Forest Life</i> , 30: 663, 692-693.

1925	19.9	The Kaibab deer drive. "An interesting failure". <i>American Forests and Forest Life</i> , 31: 80.
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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.
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.]

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.]
1927	19.3453	The Grand Canyon buffalo herd. <i>American Bison Society, Report, 1924-1926</i> , pp. 41-43. [House Rock Valley bison.]

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| 1927 | 19.29 | Prong-horn antelope colony in the Grand Canyon. <i>Science, New Series (Supplement)</i> , (August 26): xiv. |
| 1927 | 19.15 | Arizona deer herd hit by starvation. <i>American Forests and Forest Life</i> , 33: 374. |
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| 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.] |
| 1928 | 19.43 | Antlers as an age indicator of deer. <i>Grand Canyon Nature Notes</i> , 3(5) (October 31): 3. |
| 1928 | 19.3485 | [Note.] <i>In</i> : Division Notes [SECTION]. <i>The Ark</i> (Museum of Zoology, University of Michigan, Ann Arbor), 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)] |
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| 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.] |
| 1929 | 19.51 | Along the trails. <i>Grand Canyon Nature Notes</i> , 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 (<i>Sceloporus magister</i>)" at Cedar Ridge on South Kaibab Trail, mule deer losing coats, hummingbirds at Hull Tank, and migrating birds on the Kaibab.] |
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| 1930 | 19.3216 | Deer fawns travel by plane to restock herd. <i>Popular Mechanics Magazine</i> , 53(1) (January): 81. [Deer flown from Fredonia to Red Butte.] |
| 1930 | 19.5382 | Left-overs. <i>Grand Canyon Nature Notes</i> , 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. <i>Grand Canyon Nature Notes</i> , 4(8) (June 30): 56. [Birds; beaver in Bright Angel Creek; coyotes in Nankoweap Canyon, first record of coyotes in canyon bottom.] |
| 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.] |
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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 | 19.59 | [Young lizards coming out in the cold.] <i>Grand Canyon Nature Notes</i> , 5(5) (March): 46. |
| 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. |

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- 1931 19.60 [Desert pallid bat.] *Grand Canyon Nature Notes*, 5(8) (June): 74. [See also in 5(9) (July) (Tyler, 1931, *ITEM NO.* 19.1705).]
- 1931 19.5395 [Skunk vs. squirrels at Indian Garden.] *In*: Field Observations [SECTION]. *Grand Canyon Nature Notes*, 5(8) (June): 82.
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- 1932 19.3707 Deer given with auto boomed business. *Popular Mechanics Magazine*, 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" [*sic*].
- 1932 19.5056 Field observations. *Grand Canyon Nature Notes*, 7(4) (July):. ("By Naturalist Staff.") [Squirrels, deer, antelope.]
- 1932 19.63 Occurrence of the spadefoot toad in Grand Canyon National Park. *Grand Canyon Nature Notes*, 7(7) (October): 70. [Greenland Lake; first record in the national park.]
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- 1933 19.5064 [Mule deer at Nankoweap Creek.] *In*: Miscellany [SECTION]. *Grand Canyon Nature Notes*, 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. *Grand Canyon Nature Notes*, 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 19.5073 [Nursing female Abert squirrel.] *In*: Field Observations [SECTION]. *Grand Canyon Nature Notes*, 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)]
- 1934 19.5081 [South Rim coyote identified as *Canis latrans mearnsi*; from Berry Ranch specimen.] *In*: Miscellany [*sic*] [SECTION]. *Grand Canyon Nature Notes*, 9(3) (June):.
- 1934 19.5082 [Early record of fawn mule deer, South Rim, May 23.] *In*: Miscellany [*sic*] [SECTION]. *Grand Canyon Nature Notes*, 9(3) (June):.
- 1934 19.5084 [Skink.] *In*: Field Observations [SECTION]. *Grand Canyon Nature Notes*, 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".
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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.]

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- 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.]
- 1937 19.70 Treasureless island. *Time*, 30 (October 4): 45-47. [Shiva Temple.]
- 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 19.4124 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 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. *Ecology*, 22(1) (January): 100-107.
- 1941 19.2789 [Beaver at Phantom Ranch displaced to Wall Creek.] *In*: Oddities [SECTION]. *Region III Quarterly* (U.S. National Park Service), 3(2) (April):.
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- 1942 19.4127 Renegade buffalo killed. *In*: Here and There on the Desert [SECTION]. *Desert Magazine*, 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. *In*: Here and There on the Desert [SECTION]. *Desert Magazine*, 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

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Tovrea memorial zoo near Phoenix. State-owned here at Houserock valley has attracted many tourists." (ENTIRE ITEM)] [House Rock Valley.]

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.]

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 wre 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)]
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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 Sennett 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	19.4143	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
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- 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.—*Coconino Sun*." (ENTIRE ITEM)] [House Rock Valley.]
- 1950 19.4144 Houserock buffalo being moved. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 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 said it is waiving all rights to Houserock Valley in return for approximately 100,000 acres of range in the Kaibab National Forest.—*Coconino Sun*." (ENTIRE ITEM)] [House Rock Valley.]
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- 1952 19.4153 Game surveys completed. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 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.—*Kane County Standard*." (ENTIRE ITEM)]
- 1952 19.4154 Cattle in Kaibab. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 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 famous Kaibab deer herd. The action was taken because cattlemen agreed to reduce livestock use 38 percent through fall calf sales that would remove the annual increase. It is expected the admission of cattle to range lands will necessitate a larger deer hunt this fall.—*Arizona Republic*." (ENTIRE ITEM)]
- 1952 19.4155 Biggest Kaibab hunt. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 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.—*Chandler Arizonan*." (ENTIRE ITEM)]
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- 1957 19.4814 Mule deer in the Kaibab. *Westways*, (November):.
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- 1958 19.3072 Early history of the North Kaibab. *Arizona Game Protective Association, Outdoor News*, (July):.
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- 1959 19.4335 Bears on canyon rim. *Desert Magazine*, 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 heavily wooded area 10 miles east of Park headquarters." (ENTIRE ITEM)]

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1964	19.6753	Assault on common sense. <i>In: News and Commentary [SECTION]. 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	19.6754	[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."]
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.
1978	19.3336	Can the GOP save them? <i>In: Frontlines [SECTION]. 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.]
1979	19.4109	Grand Canyon NP. <i>In: Park Briefs [SECTION]. 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: Park Briefs [SECTION]. 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.]
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.

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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.)
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.]
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.]
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.]
1994	19.91	Odds and ends. <i>In</i> : Lamb, Susan (ed.), <i>The best of Grand Canyon Nature Notes</i> . Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 88-89. [Reprinted from <i>Grand Canyon Nature Notes</i> , March, 1931; April, 1931; July, 1929; September, 1929; lizards, snakes.]
1994	19.94	Observation. <i>In</i> : Lamb, Susan (ed.), <i>The best of Grand Canyon Nature Notes</i> . Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 111. [Reprinted from <i>Grand Canyon Nature Notes</i> , July, 1933; chipmunks.]
1994	19.95	Button, button, who has the button? <i>In</i> : Lamb, Susan (ed.), <i>The best of Grand Canyon Nature Notes</i> . Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 112-113. [Reprinted from <i>Grand Canyon Nature Notes</i> , September, 1926; packrats.]
1994	19.96	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. 115. [Reprinted from <i>Grand Canyon Nature Notes</i> , April, 1932; July, 1934; squirrels, chipmunks.]
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1994	19.99	Observation. <i>In</i> : Lamb, Susan (ed.), <i>The best of Grand Canyon Nature Notes</i> . Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 124. [Reprinted from <i>Grand Canyon Nature Notes</i> , March, 1933; mountain weasel. (For original see E. D. McKee, 1933, ITEM NO. 19.5061).]

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1999	19.2957	Volunteers needed—Grand Canyon bat research. <i>Bats Magazine</i> , 17(1) (Spring).

2002	19.2954	The North American Bat Conservation Partnership. <i>Bats</i> , 20(2) (Summer/Fall): 31. [Includes photographs of installation of bat gate on Stanton Cave.]
2002	19.6640	From argali to bighorn. <i>Fish and Wildlife News</i> (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.]

2003	19.2359	Olo-oqlace. <i>Boatman's Quarterly Review</i> , 16(1) (Spring): 48. ["Miniature horses" of the Grand Canyon.]
2003	19.2988	School of Forest Resources outstanding alumni. <i>Resources</i> (Pennsylvania State University, School of Forest Resources), 3(2) (Summer): 16-19. [See "Thomas L. Serfass", pp. 18-19. River otter reintroduction in Grand Canyon noted <i>in passing</i> , p. 19.]

2005	19.2935	Summary of the special session cave resource management [<i>sic</i>], 8th Biennial Conference for Research on the Colorado Plateau, Flagstaff, Arizona. <i>Arizona Bat Resource Group Newsletter</i> , (Winter): 8.
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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.]
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2009	19.2895	Nature factoid; spotted bats. <i>Arizona Highways</i> , 85(2) (February): 11.
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2012	19.3642	Beefalo history page. <i>American Beefalo Association Corral</i> , [March/April]: 6. [Includes note of Grand Canyon National Game Preserve, <i>in passing</i> .]
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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.]
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2014	19.4741	Grand Canyon struggles to repel invading beefalo. <i>In:</i> Upfront [SECTION]. <i>New Scientist</i> , 222(2965) (April 19): 6. [Bison.]
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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.]
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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.]
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unlike Death Valley we have people coming from all parts of the world, and looking down into the canyon the first thing they want to know is what are these trails they see on this Tonto Plateau[.] We hate to tell them they are made by feral burros. We tell them, Yes, we have bighorn. We take caution in making any estimates, but they are amazed that there are any bighorns." (ENTIRE ITEM)]

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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.]

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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).]

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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 "Pot" after "the famous lion dog of 'Uncle' Jim Owens" and is popular with tourists.] [See also Anonymous (1927, ITEM NO. 19.24).]

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¹ 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).

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- 1927 19.26 Antelope reveals goat traits. *Grand Canyon Nature Notes*, 2(7) (December 15): 2.
- 1927 19.27 "Smoky" is an apt pupil. *Grand Canyon Nature Notes*, 2(7) (December 15): 2. [Deer fawn at Grand Canyon village.]
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