

PROCEEDINGS
OF THE
BIOLOGICAL SOCIETY OF WASHINGTON

ELEVEN NEW SPECIES AND SUBSPECIES OF POCKET
GOPHERS OF THE GENUS THOMOMYS.

BY VERNON BAILEY.

The following brief diagnoses of eleven new pocket gophers are published in advance of a monograph of the genus *Thomomys*, now nearing completion. The types are all in the Biological Survey Collection in the U. S. National Museum.

Thomomys talpoides bullatus subsp. nov.

SAGE-BRUSH GOPHER.

Type from Powderville, Montana. Adult ♂, No. 55,795, U. S. Nat. Mus., Biological Survey Collection. Collected July 21, 1893, by Dr. A. K. Fisher; original number, 1402.

Characters.—Size of *talpoides*, but with larger audital bullæ, lighter dentition and brighter colors. Considerably larger than *clusius*, with less gray on cheeks. Upperparts light buffy hazel, brightest on crown, ear patch blackish; lowerparts buffy, sometimes with white on chin; feet and tail whitish.

Measurements of type.—Total length, 238; tail vertebræ, 72; hind foot, 30.

Thomomys talpoides caryi subsp. nov.

BIGHORN MOUNTAIN GOPHER.

Type from the head of Trapper Creek at 9500 feet altitude in the Big-horn Mountains, Wyoming. Adult ♀, No. 168,946, U. S. Nat. Mus., Biological Survey Collection. Collected June 10, 1910, by Merritt Cary; original number, 1993.

Characters.—Size about the same as *clusius*, or slightly smaller; skull with smaller bullæ and wider interparietal; colors slightly darker, without gray cheeks. Upperparts dull grayish brown, with plumbeous nose and blackish ear patch; lowerparts rich buffy, with white on chin and sometimes on breast; feet soiled whitish; tail gray or buffy with whitish tip.

Measurements of type.—Total length, 196; tail vertebræ, 54; hind foot, 26. More fully adult ♀ topotype, 203, 58, 28.

***Thomomys talpoides nebulosus* subsp. nov.**

BLACK HILLS GOPHER.

Type from Sand Creek Canyon, Black Hills, Wyoming (Jack Boyden's Ranch, 5 miles above mouth of canyon, at 3750 feet altitude). Adult ♂, No. 202,495, U. S. Nat. Mus., Biological Survey Collection. Collected August 25, 1913, by Vernon Bailey; original number, 9508.

Characters.—Size of *talpoides*, skull slender, less ridged, dentition lighter, bullæ slightly more rounded. Color warm brown, much as in *fossor*. Upperparts dull walnut brown; nose plumbeous or dusky; ear patch blackish; lowerparts buffy, generally with white on chin and sometimes on breast; feet and tail whitish gray or buffy.

Measurements of type.—Total length, 230; tail vertebræ, 66; hind foot, approximately 32 (27 without claws).

***Thomomys pryori* sp. nov.**

PRYOR MOUNTAIN GOPHER.

Type from the Pryor Mountains, Montana, at 6000 feet altitude on head of Sage Creek. Adult ♂, No. 66,469, U. S. Nat. Mus., Biological Survey Collection. Collected July 16, 1894, by Vernon Bailey; original number, 4646.

Characters.—Size of *clusius*, with low, wide skull, short nasals and projecting incisors. Color darker than that of *clusius*; upperparts dull walnut brown, about as in *fossor*; nose plumbeous; cheeks dark gray; ear patch black; lowerparts dark buff with no trace of white in topotype series; feet and tail soiled whitish or buffy.

Measurements of type.—Total length, 210; tail vertebræ, 60; hind foot, 29.

***Thomomys bottae minor* subsp. nov.**

MENDOCINO GOPHER.

Type from Ft. Bragg, Mendocino Co., California. Adult ♂, No. 146,463, U. S. Nat. Mus., Biological Survey Collection. Collected November 30, 1905, by James H. Gaut; original number, 4187.

Characters.—Size smaller than *bottae*; skull narrower and slenderer with especially slender rostrum and deeply emarginate posterior tip of nasals. Color slightly darker than in *bottae*; upperparts dark cinnamon brown, heavily obscured with black, and in most specimens becoming almost black on nose, face, and around ears; feet white; tail grayish; lowerparts ochraceous-buff; lips and lining of cheek pouches usually white.

Measurements of type.—Total length, 226; tail vertebræ, 73; hind foot, 29.

Thomomys neglectus sp. nov.

SAN GABRIEL GOPHER.

Type from San Antonio Peak (Bear Flat Meadows at 6400 feet altitude) in the San Gabriel Mountains, California. Adult ♂, No. 137,869, U. S. Nat. Mus., Biological Survey Collection. Collected July 23, 1905, by James H. Gaut; original number, 3719.

Characters.—Size medium, skull long and narrow with almost straight dorsal outline. Color very dark with excess of clear black; upperparts dark gray produced by a heavy mixture of black-tipped hairs over dull buff; nose, face, and ear patch blackish; tail gray, feet whitish; lowerparts dull buff.

Measurements of type.—Total length, 229; tail vertebræ, 77; hind foot, 31 (32 measured dry).

Thomomys mearnsi * sp. nov.

MEARNS GOPHER.

Type from Gray's Ranch in Animas Valley, southwest corner of New Mexico. Adult ♂, No. 157,008, U. S. Nat. Mus., Biological Survey Collection. Collected August 10, 1908, by E. A. Goldman; original number, 19,939.

Characters.—Slightly smaller than *fulvus*; skull short and wide with very slender, projecting incisors, much as in *nelsoni*. Color, upperparts dull cinnamon with blackish nose and ear patches; lowerparts pale cinnamon; tail buffy gray; feet whitish.

Measurements of type.—Total length, 220; tail vertebræ, 67; hind foot, 31.

Thomomys fuscus columbianus subsp. nov.

COLUMBIA GOPHER.

Type from Touchet, Walla Walla County, Washington. Adult ♂, No. $\frac{23722}{1117}$, U. S. Nat. Mus., Biological Survey Collection. Collected September 10, 1890, by Clark P. Streater; original number, 234.

Characters.—Size much larger than *fuscus*, slightly larger than *quadratus*; skull heavier than that of *quadratus*; colors paler than either, about as in *fisheri*. Upperparts light fawn color or buffy gray; sides and belly pale buffy gray; ear and postauricular patch black; nose slaty; tail gray with white tip; feet whitish.

Measurements of type.—Total length, 209; tail vertebræ, 60; hind foot, 28.

Thomomys fuscus saturatus subsp. nov.

COEUR D'ALENE GOPHER.

Type from Silver (near Saltese) in the western corner of Missoula County, Montana, at 4300 feet altitude, in the Coeur d'Alene Mountains. Adult

* I take pleasure in naming this gopher for Dr. E. A. Mearns, who has contributed so much to our knowledge of the mammals along the northern boundary of Mexico.

♂, No. $\frac{28781}{40885}$, U. S. Nat. Mus., Biological Survey Collection. Collected June 20, 1891, by Clark P. Streater; original number, 979.

Characters.—Considerably larger than *fuscus*; skull long and high with narrow braincase and wide nasals. Color darker and richer than in *fuscus*; upperparts dark hazel, becoming more yellowish on sides, and this shading into buffy wash on lowerparts; ear patches black; nose plumbeous; feet and tail buffy gray. There is rarely a trace of white on chin or throat.

Measurements of type.—Total length, 225; tail vertebræ, 77; hind foot, 30.

***Thomomys fuscus loringi* subsp. nov.**

ALBERTA GOPHER.

Type from South Edmonton, Alberta. Adult ♂, No. 68,746, U. S. Nat. Mus., Biological Survey Collection. Collected September 23, 1894, by J. A. Loring; original number, 2437.

Characters.—Similar to *fuscus* but slightly larger and duller colored, with relatively heavier dentition, and small, circular interparietal; ears small and pointed as in the *fuscus* group. Color in winter pelage (September 23): Upperparts dull russet brown, becoming rich buff on sides; nose slaty gray; small ear patch black; lowerparts rich buffy over plumbeous; chin and small spot on breast white; feet soiled whitish; tail pale buffy. Other pelages not known.

Measurements of type.—Total length, 199; tail vertebræ, 47; hind foot, 25.

***Thomomys nevadensis atrogriseus* subsp. nov.**

SNAKE RIVER GOPHER.

Type from Nampa, Idaho. Adult ♂, No. 181,196, U. S. Nat. Mus., Biological Survey Collection. Collected March 15, 1913, by L. E. Wyman; original number, 35.

Characters.—About the size of *nevadensis* and also dichromatic, but darker colored in gray phase and blacker in melanistic phase. Skull relatively wider at base and with shorter, thicker pterygoids. Color in gray phase: Upperparts dark buffy gray or sooty buff; nose and face blackish; ear patch black; feet and tail dirty gray; lowerparts washed with rich buff; cheek pouches lined with black and white; chin white. Color in black phase: Dull slaty black all over except white patch on chin and white toes, and usually lower part of feet.

Measurements of type.—Total length, 315; tail vertebræ, 100; hind foot, 38.



Bailey, Vernon. 1914. "Eleven new species and subspecies of pocket gophers of the genus *Thomomys*." *Proceedings of the Biological Society of Washington* 27, 115–118.

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