

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. $\frac{23722}{31117}$, 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. $\frac{28781}{10885}$, 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 vertebrae, 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 vertebrae, 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 vertebrae, 100; hind foot, 38.