

PROCEEDINGS  
OF THE  
BIOLOGICAL SOCIETY OF WASHINGTON

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THREE NEW RODENTS FROM COLORADO.

BY C. HART MERRIAM.

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Merritt Cary, while engaged in a biological survey of Colorado for the U. S. Biological Survey, collected several undescribed species and subspecies of mammals. Three of these—a small chipmunk and a gopher from San Luis Valley and a woodrat from the juniper foothills of the southeastern corner of the State—are here described. The chipmunk I am naming for Merritt Cary; the woodrat for Edward R. Warren, author of an important annotated list of the Mammals of Colorado and first collector of the present form.

**Eutamias minimus caryi** subsp. nov.

*Type* from Medano Ranch, San Luis Valley, Colorado. No. 150,740 U. S. National Museum, Biological Survey Collection. ♂ yg. ad. Collected October 24, 1907, by Merritt Cary. Original No. 1176.

*Characters*.—Similar to *minimus* but paler and grayer. In fall pelage (late October) pale gray, most marked on neck and rump, and almost as clear on inner pair of light stripes; outer pair of white stripes purer white than in *minimus*; pale face stripes whitish in striking contrast with the alternating dark stripes.

*Measurements*.—*Type*: Total length, 194; tail vertebrae, 87; hind foot, 30. Average of 10 specimens from type locality: Total length, 194; tail vertebrae, 89; hind foot, 30.2.

**Neotoma albigula warreni** subsp. nov.

*Type* from Gaumes Ranch, northwest corner of Baca County, Colorado (alt. 4600 ft.). No. 151,051 U. S. National Museum, Biological Survey Collection. ♂ ad. Collected November 28, 1907, by Merritt Cary.

*Characters*.—Color gray, as in the widely different *N. micropus*, instead of buffy ochraceous as in *albigula*, to which it is most closely related; cheeks gray (in *albigula* strongly buffy or yellowish ochraceous); tail

black above and sharply bicolor as in *albigula*; feet white as in *albigula*. Skull peculiar.

*Cranial characters*.—Skull, compared with *albigula*, shorter and broader; rostrum much more swollen laterally; nasals broader and more squarely truncate anteriorly, longer (along median line) than frontal (in *albigula* subequal with frontal); frontal shorter; frontomaxillary suture (at anterior root of zygoma) straight (in *albigula* angular); zygomata heavier and somewhat more spreading; bullæ smaller and more rounded; molars heavier (broader).

*Measurements*.—Type specimen, male: Total length, 324; tail vertebrae, 137; hind foot, 36. An adult female from type locality: Total length, 330; tail, 146; hind foot, 34.

***Thomomys talpoides agrestis* subsp. nov.**

*Type* from Medano Ranch, San Luis Valley, Colorado. No. 150,725 U. S. National Museum, Biological Survey Collection. ♀ ad. Collected October 29, 1907, by Merritt Cary. Original No. 1205.

*Characters*.—Size and general characters much as in *talpoides* but color very different—pale drab as in *ocius* instead of dark brown as in *talpoides*; skull also different.

*Color*.—Upperparts uniform drab, sometimes with a pale reddish (dull ochraceous) cast on top of head and neck; ear spots conspicuously dusky; underparts soiled whitish, the plumbeous underfur showing through.

*Cranial characters*.—Skull similar to that of *talpoides* but averaging longer and narrower; zygomata less spreading; nasals less regular, less truncate posteriorly, less straight on outer side—tending to spread outward on posterior third; premaxillæ longer and broader posteriorly; maxillary root of zygomata longer and broader and swollen to articulation with jugal so that the jugal part of arch is abruptly and conspicuously narrower; bullæ slightly more swollen.

*Measurements*.—Type: Total length, 220; tail vertebrae, 57; hind foot, 30. Average of 4 females from type locality: Total length, 212; tail vertebrae, 55; hind foot, 29.