

**Article XII.**—MAMMALS FROM THE CAURA DISTRICT OF  
VENEZUELA, WITH DESCRIPTION OF A NEW SPECIES  
OF *CHROTOPTERUS*.

BY J. A. ALLEN.

A short time since a small but interesting collection of mammals was received from the Caura region of Venezuela, collected for the Museum by Mr. M. A. Carriker, Jr., during November and December, 1909. The 26 specimens contained in the collection represent 14 species, of which one proved to be new. All of the larger species are represented by one or more complete skeletons.

The Museum had previously received, in 1900–1902, a considerable collection of mammals from the vicinity of Ciudad Bolivar and the Lower Caura collected by Mr. Samuel M. Klages, reported upon by me in Volume XX of this Bulletin.<sup>1</sup> Most of the species in the Carriker collection are represented in the Klages collection, but from very different localities. Mr. Carriker's collection was made on the Rio Mato, the largest western tributary of the Rio Caura, and on the Rio Mocho, a tributary of the Rio Mato.

The monkeys here recorded have been kindly determined by Dr. D. G. Elliot, who is now monographing the Primates.

1. *Bradypus tridactylus flaccidus* (Gray).

One specimen, a very young female apparently in first pelage (total length 260 mm.), Rio Mato, Nov. 3.

The body pelage is dull drab, with the rump whitish, varied elsewhere with small patches of white; face and throat white with a faint tinge of fulvous; narrow black eye-stripes. The hair of the facial region is entirely different in structure from that of the body, being fine and bristly. Although so young, the dentition is fully developed, except that the teeth are small.

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<sup>1</sup>New Mammals from Venezuela and Columbia. Bull. Amer. Mus. Nat. Hist., Vol. XX, 1904, pp. 327–335, Oct. 8, 1904.

List of Mammals from Venezuela, collected by Mr. Samuel M. Klages. *Ibid.*, pp. 337–345, Oct. 8, 1904. Annotated list of 46 species.

2. **Tamandua longicaudata** (*Wagner*).

One specimen, adult female, Maripa, Dec. 21, in the usual straw-colored pelage.

"Total length, 1070<sup>1</sup>; tail, 505; hind foot, 90." Skull, total length, 133; occipito-nasal length, 127; greatest width of braincase, 42.

3. **Proechimys cherriei** (*Thomas*).

Two specimens, adult females, Rio Mocho, Nov. 26.

4. **Sciurus flammifer** *Thomas*.

One specimen, adult male, Rio Mocho, Nov. 24.

5. **Sciurus æstuans gilvularis** (*Wagner*).

One specimen, adult female, Rio Mocho, Dec. 4.

6. **Pteronura brasiliensis** (*Zimmermann*).

Two specimens, male and female, both old, Rio Mocho, Dec. 8 and 10. Skin and complete skeleton of each.

The collector's measurements and notes are as follows:

No. 30190, ♂, total length, 1595; tail, 575; hind foot, 195; circumference of neck just behind ear, 375; circumference of chest, 540; circumference of tail at base, 250. Soles of feet black, lips flesh color.

No. 30191, ♀, total length, 1530; tail, 530, hind foot, 174; circumference of neck just behind ears, 380; circumference of chest, 550; circumference of tail at base, 260. Soles of feet black, lips flesh color.

Skulls, condylobasal length, ♂ 152, ♀ 157; zygomatic breadth, ♂ 95, ♀ 91.

The female has the whole throat and foreneck, from the lips to the breast, pale yellowish white; in the male the chin and upper throat are white, the foreneck broadly and irregularly streaked with white.

7. **Tayra barbara barbara** (*Linnaeus*).

One specimen, adult female, Rio Mocho, Nov. 29. "Iris brown, nose and soles of feet black."

<sup>1</sup> Measurements are in millimeters.

The collector's measurements are, total length, 960; tail 390; hind foot, 105. The specimen is glossy black, with the head and neck gray in strong contrast; the throat-spot is large, V-shaped, and deep yellow.

#### 8. *Nasua phaeocephala* Allen.

One specimen, adult female, Rio Mocho, Nov. 24. "Iris brown; nose and soles black."

Collector's measurements, total length, 943; tail, 405; hind foot, 90. Skull, total length, 120; condylobasal length, 111; zygomatic breadth, 59.

This specimen agrees closely in all respects with the type, from Suapure, Venezuela.

#### 9. *Peropteryx kappleri* Peters.

Two specimens, Rio Mocho, Nov. 29.

#### 10. *Chrotopterus carrikeri* sp. nov.

Type, No. 30181, ♂ ad., Rio Mocho, Venezuela, Dec. 6, 1909; collected by M. A. Carriker, Jr., for whom the species is named.

Above dark seal brown, the basal portion of the hairs buff, the extreme tips whitish, giving an almost imperceptible grayish wash to the surface (nearly absent in some specimens); nose, chin, and a broad band passing below the base of the ears blackish brown; throat, breast, and middle of abdomen pure white; sides and anal region grayish brown, restricting the white to the median ventral area; membranes very dark brown or black; ears lighter brown with an extremely narrow whitish margin; under side of fore-arm flesh-color, the proximal third and the humerus covered with short grayish brown hairs, which extend also on to the immediately adjacent membrane, where they are longer and whitish; under surface of hind limbs flesh-color and naked; membranes naked, except as above stated; nose-leaf blackish brown, V-shaped, broad at base and acutely pointed. Tail short, situated close to the base of the interfemoral membrane, not easily recognized in the dry skin.

External measurements (type): "Length, 90 mm.; tail, 9; expanse, 356." Fore-arm, 47 thumb (s. u.), 15; 3d metacarpal, 39; 4th, 41; 5th, 47; tibia, 23; hind foot, 15; calcar, 18; ear from head, 19, from notch, 24; tragus, 7.5; nose-leaf (dry), about 5 mm. high by 5 wide at base.

Skull, greatest length, 26; condylobasal length, 21; basilar length, 18; palatal length, 9.5; zygomatic breadth, 12; postorbital constriction, 4; breadth at canines, 4.8; mastoid breadth, 12.8; depth of cranium from sagittal ridge to basi-sphenoid, 11.5; depth of crest, 3; length of upper toothrow (including canine), 9; greatest length of mandible, 16; depth from coronoid process to angle, 7; length of lower toothrow, 10.

The type is a very fully matured male, with the sagittal crest highly developed; in young males and females the crest is absent or only slightly developed, and the measurements both external and cranial are less.

Represented by 7 specimens (skins and skulls), 2 males and 5 females, all taken on the same day and at the same locality. There is practically no variation in color, except that the younger specimens have the dorsal surface darker than the old male type described above.

The collector's external measurements of the series are as follows:

No. 30181, ♂, total length 90; tail, 9; expanse, 356.
“ 30178, ♂, “ “ 80; “ 13; “ 332.
“ 30180, ♀, “ “ 99; “ 9; “ 343.
“ 30179, ♀, “ “ 85; “ 14; “ 346.
“ 30182, ♀, “ “ 82; “ 11; “ 336.
“ 30183, ♀, “ “ 81; “ 13; “ 351.
“ 30177, ♀, “ “ 80; “ 12; “ 342.

*Chrotopterus carrikeri* is much smaller than *C. auritus*, and very differently colored, but in general structure and proportions, absence of fur on the membranes, the striations on the outer half of the ear, and in the characters of the skull and teeth it agrees in all essential details with that species. The pure white underparts, however, render it a striking species, almost unique in Phyllostome bats.

#### 11. *Molossus obscurus* Geoffroy.

One specimen, Rio Caura, Venezuela, Oct. 15.

#### 12. *Alouatta macconnelli* Elliot.

Two specimens, males, one old, the other a young adult, Rio Mato, Nov. 3.

No. 30193, ♂, total length, 1240, tail, 650; hind foot, 162. “Skin of face all black; feet and tail black; iris brown.”

No. 30194, ♂, total length, 1180; tail, 657; hind foot, 156. “Iris brown, face, feet and tail black.”

Skulls: Total length, old ♂, 132, ♂ juv., 103; zygomatic breadth, old ♂, 82, ♂ juv., 71.

#### 13. *Ateles variegatus* Humboldt.

*Ateles belzebuth* ALLEN (not of I. Geoffroy), Bull. Amer. Mus. Nat. Hist., XX, 1904, p. 344.

One specimen, adult male, Rio Mato, Oct. 30.

“Length, 1930; tail, 930; hind foot, 198. Soles of feet and face black, except lips and spot over eye whitish; iris hazel.”

Skull, ♂, total length, 162; mastoid breadth, 75.

14. *Cebus apiculatus* Elliot.

*Cebus fatuellus* ALLEN, Bull. Amer. Mus. Nat. Hist., XX, 1904, p. 344.

Six specimens — 3 skins with skulls, 1 skin with skeleton, and 1 additional skeleton: Maripa, Rio Caura, 3 adult males, Oct. 9 and 15; Rio Mocho, 2 males and a female, Nov. 14, 23, and Dec. 8.

The collector's measurements and notes are:

No. 30197, ♂, total length, 950; tail, 480; hind foot, 135, Maripa.
“ 30195, ♂, “ “ 960; “ 490; “ “ — “
“ 30199, ♂, “ “ 935; “ 500; “ “ 130, Rio Mocho.
“ 30198, ♂, “ “ 858; “ 455; “ “ — “ “
“ 30196, ♀, “ “ 865; “ 480; “ “ 123, “ “

No. 30198, ♂ juv., “iris hazel; face nearly entirely white, only brownish on nose; soles brownish black.”

No. 30196, ♀, “iris hazel; feet brownish black; face brown above eyes; chin whitish flesh color.”

*Skulls.*

No. 30197, old ♂, total length, 97; zygomatic breadth, 70.
“ 30198, ad. ♂, “ “ 92; “ “ 62.
“ 30195, “ ♂, “ “ 95; “ “ 64.
“ 30199, “ ♂, “ “ 97; “ “ 70.
“ 30200, “ ♂, “ “ 95; “ “ 67.
“ 31196, “ ♀, “ “ 91; “ “ 59.

These specimens, like the series recorded by me from the Lower Caura in 1904 (*l.c.*), present a wide range of individual variation in depth of color. Thus, of two males in the present collection, one has the limbs strongly suffused with yellowish rufous, and the median line of the back dark rufous, deepening on the posterior part of the dorsal area to reddish chestnut, and the ventral surface bright rufous; in the other the limbs are faintly suffused with pale fulvous, the back with deep yellowish, and the hairs of the ventral surface broadly tipped with fulvous. In the female the upper arms and shoulders are fulvous, the whole dorsal area dull dark brown, and the hind limbs are dark brown with a strong rusty wash. The tail varies from nearly uniform grizzled yellowish brown to grizzled rufous brown, with the lower and upper surfaces nearly concolor, but in one the apical half of the lower surface is yellowish white, and in another there is a subapical area of fulvous about three inches in length.

