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CATALOGUE OF
TYPE SPECIMENS OF MAMMALS
IN
CHICAGO NATURAL HISTORY MUSEUM

COLIN CAMPBELL SANBORN

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FIELDIANA: ZOOLOGY
VOLUME 32, NUMBER 4

Published by
CHICAGO NATURAL HISTORY MUSEUM
AUGUST 28, 1947



Oribos moschatus niphoecus Elliot

The large bull in the center of the group is the type specimen

CATALOGUE OF
TYPE SPECIMENS OF MAMMALS
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COLIN CAMPBELL SANBORN
Curator of Mammals

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INTRODUCTION

The specimens listed in this catalogue include all types, cotypes, and lectotypes known to be in Chicago Natural History Museum on July 1, 1947. The style used in recording them is in general that used by the United States National Museum in Bulletins 62 and 178. The sign of equality (=) appears only when the name has been synonymized. The synonymy is based on published records and not on an examination of specimens. The arrangement of orders and families follows Simpson's classification of 1945, but the genera, species, and subspecies are arranged alphabetically under the families.

This catalogue was prepared primarily to place on record the accurate and complete data of specimens used by Daniel Giraud Elliot in his descriptions of new species and subspecies. Until 1905 Elliot seldom designated a type specimen, and even when he did he gave little data concerning it. Pressure brought by his colleagues induced him to place red labels on specimens he had used as types and these were so listed in 1907 in *A Catalogue of the Collection of Mammals in the Field Columbian Museum* (Field Columbian Mus., Zool. Ser., 8), but even then the Museum numbers were not published.

While Elliot was Curator of Mammals, he had all original labels removed from the specimens and replaced by neat, handwritten labels. About ten years ago all of these original labels that could be found, an estimated 10,000, were again attached to the specimens, a very careful search being made for the original labels of all type specimens. In preparing this catalogue the specimens marked by Elliot with red labels as types have been checked further by a comparison of the published collectors' measurements with those on the original label.

There have been numerous corrections made in the stated dates of publication up to 1910. In the early days of the Museum, publications were printed by commercial printers and a check of the records shows that copies were seldom delivered to the Museum on the date that appeared on the cover, and that there was often a lapse of some months before these publications were mailed out of the Museum. The first delivery of copies was always turned over to

Elliot. Dr. Remington Kellogg, Curator of Mammals, United States National Museum, has kindly checked the collection of papers on mammals in his Department and has informed me that two papers, shown by the records in Chicago to have been received by Elliot on May 17 and 19, 1899, bear the notations by Robert Ridgway and Gerrit S. Miller, Jr., "received May 22, 1899." One of these papers bears the publication date March, 1899 and the other May 9, 1899. As there is proof that Elliot mailed copies of his publications as soon as he received them, the date of publication in all references has been made the date on which Elliot received his copies from the Museum. After Dr. Wilfred H. Osgood became a member of the Department, the date appearing on all publications coincided with the actual date of distribution.

It is hoped that the publication of ~~this data~~ will eliminate the confusion surrounding Elliot's types. It was this lack of specific information that caused the re-description of *Microtus californicus perplexabilis* Grinnell (see Osgood, Jour. Mamm., 9, pp. 52-56, 1928) and the selection by Dr. Jackson of a type for *Scalopus aquaticus intermedius* Elliot (Jackson, N. Amer. Fauna, No. 38, p. 49, footnote, September, 1915).

The collections coming to the Museum before 1907 were made by Heller, Rowley, Price and Coolidge, Surber, Lutz, and others, in Oregon, Washington, California, Oklahoma, and Mexico. Elliot also purchased skins from a Chicago fur dealer, C. F. Periolat, five of which became types. In 1905-1906, Carl E. Akeley, accompanied by Edmund Heller, made large collections in Kenya Colony. When Dr. Osgood came to the Museum in 1909, a program of extensive collecting in South America was begun and has continued to the present day. Between 1922 and 1929 various African and Asiatic expeditions brought back large collections.

Daniel Giraud Elliot and Wilfred Hudson Osgood are responsible for most of the work on the collections. Osgood described 148 of the types, Elliot 114, Sanborn 21, and Cory 1; the remaining 23 have been described by thirteen other mammalogists. Of the 308 new names proposed, 70 have been placed in synonymy.

Edmund Heller collected almost one third of these type specimens, having taken 84 and with C. M. Barber six others. Dr. Osgood collected 25, and in company with Stanley G. Jewett 13, and with Malcolm P. Anderson 10, a total of 48. The other 170 were secured by 65 different collectors.

NUMBER OF TYPE SPECIMENS

Arranged by Order and Family

<p>MARSUPIALIA</p> <p>Caenolestidae 1</p> <p>Didelphidae 14</p> <p>INSECTIVORA</p> <p>Tenrecidae 1</p> <p>Macroscelididae 1</p> <p>Soricidae 16</p> <p>Talpidae 2</p> <p>CHIROPTERA</p> <p>Pteropidae 4</p> <p>Noctilionidae 1</p> <p>Rhinolophidae 6</p> <p>Phyllostomidae 7</p> <p>Furipteridae 1</p> <p>Vespertilionidae 12</p> <p>Molossidae 6</p> <p>PRIMATES</p> <p>Cebidae 1</p> <p>Cercopithecidae 1</p> <p>EDENTATA</p> <p>Myrmecophagidae 1</p> <p>LAGOMORPHA</p> <p>Ochotonidae 1</p> <p>Leporidae 7</p>	<p>RODENTIA</p> <p>Sciuridae 20</p> <p>Geomyidae 7</p> <p>Heteromyidae 15</p> <p>Cricetidae 92</p> <p>Rhizomyidae 2</p> <p>Muridae 32</p> <p>Gliridae 1</p> <p>Zapodidae 2</p> <p>Caviidae 2</p> <p>Dasyproctidae 1</p> <p>Capromyidae 1</p> <p>Octodontidae 2</p> <p>Ctenomyidae 3</p> <p>Echimyidae 5</p> <p>CARNIVORA</p> <p>Canidae 6</p> <p>Ursidae 3</p> <p>Procyonidae 1</p> <p>Mustelidae 11</p> <p>Viverridae 1</p> <p>Felidae 6</p> <p>HYRACOIDEA</p> <p>Procaviidae 2</p> <p>ARTIODACTYLA</p> <p>Cervidae 6</p> <p>Bovidae 4</p> <p>Total <u>308</u></p>
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LIST OF TYPE SPECIMENS

Order MARSUPIALIA

Family DIDELPHIDAE

Marmosa elegans coquimbensis Tate

Amer. Mus. Nov., No. 493, p. 14, September 26, 1931.

22302. Skin and skull. Young adult female. Paiguano, Province of Coquimbo, Chile. Altitude 3,300 feet. June 20, 1923. Collected by Colin C. Sanborn. Original number 408.

Well-made skin in good condition; skull perfect.

Marmosa gaumeri Osgood

Proc. Biol. Soc. Wash., 26, p. 175, August 8, 1913.

=*Marmosa canescens canescens* Allen. See Tate, Bull. Amer. Mus. Nat. Hist., 66, p. 140, August 10, 1933.

19995. Skin and skull. Young adult. Yaxcabá, southwest of Chichén Itzá, Yucatán, Mexico. November, 1912. Collected by George F. Gaumer.

Poorly made skin. Tail, with vertebra, curled around side of skin; hind feet tucked partly under skin; some hair gone from back and right side. Skull in moderately good condition, some parts cut away from around foramen magnum.

Marmosa germana parda Tate

Amer. Mus. Nov., No. 493, p. 4, September 26, 1931.

24140. Skin and skull. Adult male. Huachipa, mouth of Rio Cayumba, upper Rio Huallaga, Department of Huánuco, Peru. September 28, 1922. Collected by John T. Zimmer. Original number 297.

Well-made skin in good condition; skull perfect.

Marmosa impavida neglecta Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 187, October 22, 1915.

Marmosa noctivaga neglecta Tate, Bull. Amer. Mus. Nat. Hist., 66, p. 159, August 10, 1933.

19636. Skin and skull. Adult female. Yurimaguas, Rio Huallaga, Department of Loreto, Peru. September 28, 1912. Collected by Malcolm P. Anderson. Original number 55.

Well-made skin in good condition; skull perfect.

Marmosa incana paulensis Tate

Amer. Mus. Nov., No. 493, p. 8, September 26, 1931.

26576. Skin and skull. Young adult male. Therezópolis, State of Rio de Janeiro, Brazil. July 8, 1926. Collected by Colin C. Sanborn. Original number 1040.

Well-made skin in good condition; skull perfect.

Marmosa madescens Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 94, May 31, 1913.

- Marmosa cauae madescens* Tate, Bull. Amer. Mus. Nat. Hist., 66, p. 181, August 10, 1933.

19689. Skin and skull. Juvenile male. Tambo Ventija, ten miles east of Molinopampa, Department of Amazonas, Peru. June 15, 1912. Collected by Wilfred H. Osgood and Malcolm P. Anderson. Original number 4822.

Well-made skin in good condition; skull perfect.

Marmosa mayensis Osgood

Proc. Biol. Soc. Wash., 26, p. 176, August 8, 1913.

- Marmosa mexicana mayensis* Cabrera, Genera Mamm., Marsupialia, Mus. Nac. Cien. Nat., Madrid, p. 37, 1913.

19994. Skin and skull. Young adult. Izamal, east of Mérida, Yucatán, Mexico. March, 1913. Collected by George F. Gaumer.

Poorly made skin in fair condition. Tail broken at base and sewed to under side of skin; hind legs broken off and sewed to skin; broken across left shoulder. Skull with all of brain case missing.

Marmosa mitis pallidiventris Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 39, January 10, 1912.

- = *Marmosa mitis casta* Thomas. See Tate, Bull. Amer. Mus. Nat. Hist., 66, p. 116, August 10, 1933.

18692. Skin and skull. Young adult female. El Guayabal, ten miles north of Cúcuta, Colombia. March 14, 1911. Collected by Wilfred H. Osgood and Stanley G. Jewett. Original number 4274.

Well-made skin in good condition; skull broken in front of auditory bullae, and part of zygomatic arch missing on right side.

Marmosa musicola Osgood

Field Mus. Nat. Hist., Zool. Ser., **10**, p. 95, May 31, 1913.

= *Marmosa quichua* Thomas. See Tate, Bull. Amer. Mus. Nat. Hist., **66**, p. 107, August 10, 1933.

19354. Skin and skull. Old adult female. Moyobamba, Department of San Martín, Peru. July 30, 1912. Collected by Wilfred H. Osgood and Malcolm P. Anderson. Original number 5029.

Well-made skin in good condition; skull perfect.

Marmosa parvidens Tate

Amer. Mus. Nov., No. 493, p. 13, September 26, 1931.

18545. Skin and skull. Female, young adult. Hyde Park, thirty miles up Demerara River, British Guiana. September 8, 1906. Collected by S. B. Warren.

Well-made skin in good condition; skull lacks bulla on right side.

Metachirus andersoni Osgood

Field Mus. Nat. Hist., Zool. Ser., **10**, p. 95, May 31, 1913.

Metachirus opossum andersoni Thomas, Ann. Mag. Nat. Hist., (9), **11**, p. 603, May, 1923.

19655. Skin and skull. Adult male. Yurimaguas, Department of Loreto, Peru. September 11, 1912. Collected by Malcolm P. Anderson. Original number 19.

Well-made skin in good condition; skull perfect.

Metachirus canus Osgood

Field Mus. Nat. Hist., Zool. Ser., **10**, p. 96, May 31, 1916.

Metachirus opossum canus Thomas, Ann. Mag. Nat. Hist., (10), **2**, p. 264, September, 1928.

19347. Skin and skull. Young adult male. Moyobamba, Department of San Martín, Peru. August 4, 1912. Collected by W. H. Osgood and M. P. Anderson. Original number 5041.

Well-made skin in good condition; skull broken on right side and center of palate.

Peramys palliolatus Osgood

Field Mus. Nat. Hist., Zool. Ser., **10**, p. 153, April 8, 1914.

Monodelphis palliolatus Matschie, Sitz.-ber. Ges. Natur. Freunde, p. 271, October 10, 1916.

20524. Skin and skull. Adult male. San Juan de Colón, State of Táchira, Venezuela. November 14, 1913. Collected by Malcolm P. Anderson. Original number 159.

Well-made skin in good condition; skull perfect.

Peramys peruvianus Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 93, May 31, 1913.

Monodelphis peruvianus peruvianus Matschie, Sitz.-ber. Ges. Natur. Freunde, p. 271, October 10, 1916.

19362. Skin and skull. Adult male. Moyobamba, Department of San Martín, Peru. July 21, 1912. Collected by W. H. Osgood and M. P. Anderson. Original number 4989.

Skin with right hind leg missing, eyes and throat torn; skull lacks posterior half of brain case, bullae and palate.

Family CAENOLESTIDAE

Rhyncholestes raphanurus Osgood

Field Mus. Nat. Hist., Zool. Ser., 14, p. 169, October 20, 1924.

22422. Skin and skeleton. Adult female. Río Inio, south end of Chiloe Island, Chile. January 12, 1923. Collected by Wilfred H. Osgood. Original number 5500.

Well-made skin in good condition, claws on skeleton; skull perfect.

Order INSECTIVORA

Family TENRECIDAE

Microgale cowani nigrescens Elliot

Proc. Biol. Soc. Wash., 18, p. 237, December 9, 1905.

= *Microgale longirostris* Major. See Cabrera, Genera Mamm., Insectivora, Mus. Nac. Cien. Nat., Madrid, p. 186, 1925.

5644. Skin and skull. Adult female. Ambohiminana, Betsilo, Madagascar. May 26, 1896. Collected by C. I. Forsyth-Major. Original number M-1349.

Family MACROSCOLIDIDAE

Nasilio brachyrhynchus albiventer Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 13, February 19, 1910.

16663. Skin and skull. Adult male. Lake Elementeita, Kenya Colony. February 9, 1906. Collected by Edmund Heller. Original number 618.

Well-made skin in good condition; skull complete.

Family **SORICIDAE****Blarina brevicauda hulophaga** Elliot Cotypes

Field Columbian Mus., Zool. Ser., 1, p. 287, May 25, 1899.

6770. Skin and skull. Adult male. Dougherty, Murray County, Oklahoma. April 4, 1899. Collected by Thaddeus Surber. Original number 154.

6771. Skin and skull (skull can not be found). Adult female. April 7, 1899. Other data as 6770.

6770. Well-made skin in good condition; skull lacks posterior half.

6771. Well-made skin in good condition; skull missing.

The male is marked "type" in Elliot's handwriting. The skull of the female was used in the original description because that of the male was broken. Collector's measurements on these specimens agree with those published by Elliot.

Blarina pergracilis Elliot

Field Columbian Mus., Zool. Ser., 3, p. 149, March 20, 1903.

Cryptotis pergracilis Miller, Proc. Biol. Soc. Wash., 24, p. 233, October 31, 1911.

8689. Skin and skull. Adult male. Ocotlán, Jalisco, Mexico. June, 1901. Collected by F. E. Lutz. Original number 161.

Well-made skin in good condition; skull broken in front of foramen magnum.

Crocidura allez Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 20, April 7, 1910.

Crocidura allez allez Hollister, Bull. U. S. Nat. Mus., 99, pt. 1, p. 67, 1918.

16820. Skin and skull. Adult male. Naivasha, Kenya Colony. January 31, 1906. Collected by Edmund Heller. Original number 548.

Well-made skin in good condition; skull perfect.

Crocidura baileyi Osgood

Field Mus. Nat. Hist., Zool. Ser., 20, p. 225, December 28, 1936.

28217. Skin and skull. Adult male. Ras Dashan (Mount Geech), Simien Mountains, Ethiopia. Altitude 10,000 feet. March 22, 1927. Collected by Alfred M. Bailey. Original number 658.

Well-made skin in good condition; skull complete.

Crocidura fumosa schistacea Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 20, April 7, 1910.

16884. Skin and skull. Adult female. Ulukenya Hill, near Machakos, Kenya Colony. December 15, 1905. Collected by Edmund Heller. Original number 253.

Well-made skin in good condition; skull complete.

***Crocidura hildegardeae phaeura* Osgood**

Field Mus. Nat. Hist., Zool. Ser., 20, p. 228, December 28, 1936.

28266. Skin and skull. Adult. West base of Mount Guramba, northeast of Allata, Sidamo, Ethiopia. Altitude 8,000 feet. December 22, 1926. Collected by Wilfred H. Osgood. Original number 6141.

Well-made skin in good condition; skull complete.

***Crocidura parvipes* Osgood**

Field Mus. Nat. Hist., Zool. Ser., 10, p. 19, April 7, 1910.

16890. Skin and skull. Adult male. Voi, Kenya Colony. April 18, 1906. Collected by Edmund Heller. Original number 824.

Well-made skin in good condition; skull broken around foramen magnum.

***Crocidura turba zaodon* Osgood**

Field Mus. Nat. Hist., Zool. Ser., 10, p. 21, April 7, 1910.

16929. Skin and skull. Adult male. Nairobi, Kenya Colony. November 3, 1905. Collected by Edmund Heller. Original number 67.

Well-made skin in good condition; skull complete.

Collected November 3, 1905, not December 2, 1905, as stated in original description.

***Crocidura voi* Osgood**

Field Mus. Nat. Hist., Zool. Ser., 10, p. 18, April 7, 1910.

16942. Skin and skull. Adult male. Voi, Kenya Colony. April 12, 1906. Collected by Edmund Heller. Original number 754.

Well-made skin in good condition; skull complete.

***Crocidura xantippe* Osgood**

Field Mus. Nat. Hist., Zool. Ser., 10, p. 19, April 7, 1910.

16888. Skin and skull. Adult male. Voi, Kenya Colony. April 15, 1906. Collected by Edmund Heller. Original number 782.

Well-made skin in good condition; skull lacks right half of brain case and right bulla.

Crocidura zimmeri Osgood

Field Mus. Nat. Hist., Zool. Ser., 20, p. 223, December 28, 1936.

29391. Skin and skull. Adult male. Katobwe near Bukoma, Lualaba River, Katanga Province, Belgian Congo. Altitude 2,000 feet. November 27, 1926. Collected by John T. Zimmer. Original number 552.

Well-made skin in good condition; skull complete.

Sorex oreinus Elliot

Field Columbian Mus., Zool. Ser., 3, p. 172, May 7, 1903.

- =*Sorex ornatus ornatus* Merriam. See Jackson, N. Amer. Fauna, No. 51, p. 166, July, 1928.

10842. Skin and skull. Adult female. Aguaje de las Fresas, San Pedro Mártir Mountains, Lower California, Mexico. Altitude 6,000 feet. August 10, 1902. Collected by Edmund Heller.

Well-made skin with right front leg missing; skull complete.

Sorex setosus Elliot

Field Columbian Mus., Zool. Ser., 1, p. 274, May 19, 1899.

- Sorex obscurus setosus* Jackson, Proc. Biol. Soc. Wash., 31, p. 127, November 29, 1918.

6213. Skin and skull. Adult male. Happy Lake, Olympic Mountains, Clallam County, Washington. August 18, 1898. Collected by D. G. Elliot.

Well-made skin in good condition; skull complete but brain case crushed.

The red type label on the skin and the corresponding measurements identify this specimen as the type, although two were mentioned in the original description.

Sylvisorex mundus Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 18, April 7, 1910.

- Sylvisorex granti mundus* Osgood, Field Mus. Nat. Hist., Zool. Ser., 20, p. 220, December 28, 1936.

16801. Skin and skull. Adult male. Kijabe, Kenya Colony. January 24, 1906. Collected by Edmund Heller. Original number 473.

Well-made skin in good condition; skull complete.

Sylvisorex sorella phaeopus Osgood

Field Mus. Nat. Hist., Zool. Ser., 20, p. 219, December 28, 1936.

28385. Skin and skull. Adult male. Dungulbar, southwest side of Lake Tana, Ethiopia. April 1, 1927. Collected by Wilfred H. Osgood. Original number 6453.

Well-made skin in good condition; skull complete.

In the original description the number of the type was given as 28585 instead of 28385.

Sylvisorex suncoides Osgood

Field Mus. Nat. Hist., Zool. Ser., 20, p. 217, December 28, 1936.

26264. Skin and skull. Adult male. Kalongi, west slope of Mount Ruwenzori, Belgian Congo. Altitude 7,000 feet. February 13, 1925. Collected by Edmund Heller. Original number 8654.

Well-made skin in good condition; skull complete.

Family TALPIDAE

Scalopus machrinus intermedius Elliot

Field Columbian Mus., Zool. Ser., 1, p. 280, May 17, 1899.

Scalopus aquaticus intermedius Bailey, N. Amer. Fauna, No. 25, p. 207, October 24, 1905.

6829. Skin and skull. Adult male. Alva, Woods County, Oklahoma. February 18, 1899. Collected by Thaddeus Surber.

Well-made skin in good condition; skull complete.

Dr. H. H. T. Jackson (N. Amer. Fauna, No. 38, p. 49, footnote, September, 1915) selected Field Museum specimen number 6832 as the type. Dr. C. B. Cory had informed Jackson by letter that the type was a male, No. 6829, collected December 8, 1899, although Elliot in the original description gave the date as February 23, 1899. Both were wrong, since the actual date on No. 6829 is February 18. This misinformation led Jackson to select No. 6832, as it was the only male in the series collected on that date.

Specimen No. 6829 bears the red label placed on types by Elliot, the original label is marked "type," and the collector's measurements published by Elliot agree with those on No. 6829 and not with those on No. 6832. Elliot gave skull measurements that fit No. 6829, and the skull of 6832 is so broken that such measurements could not have been taken. The only discrepancy is that Elliot gave the wrong date, February 23 instead of February 18. So much evidence substantiates No. 6829 as type that it must be considered as such. It appears that Dr. Jackson had not seen No. 6829, and his selection of No. 6832 was unnecessary, although apparently justified from his standpoint.

Scalopus aquaticus bassi Howell

Jour. Mamm., 20, p. 363, August 14, 1939.

43968. Skin and skull. Adult female. Englewood, Sarasota County, Florida. November 4, 1935. Collected by Stewart Springer.

Well-made skin in good condition; skull lacks zygomatic arch on right side and two molars.

Order CHIROPTERA

Family PTEROPIDAE

Pteropus auri-nuchalis Elliot

Field Columbian Mus., Zool. Ser., 1, p. 77, pl. 12 (skull), June 11, 1896.

= *Acerodon jubatus jubatus* Eschscholtz. See Andersen, Cat. Chirop., 1, p. 428, 1912.

1102. Skin and skull. Adult male. Leyte Island, Philippine Islands. December, 1889. Collected by J. B. Steere.

Poorly made skin in good condition, wings open, no filling in body; skull lacks left upper canine and second molar.

Pteropus lucifer Elliot

Field Columbian Mus., Zool. Ser., 1, p. 78, pl. 13 (skull), June 11, 1896.

Acerodon lucifer Andersen, Ann. Mag. Nat. Hist., (8), 3, p. 24, January, 1909.

1100. Skin and skull. Adult male. Concepcion, Panay Island, Philippine Islands. January 23, (1890?).

Poorly made skin in good condition, wings open; skull lacks all but one outer lower incisor.

Pteropus mahaganus Sanborn

Field Mus. Nat. Hist., Zool. Ser., 18, p. 19, February 12, 1931.

31563. Skin and skull. Adult male. Tunnibuli, Ysabel or Mahaga Island, east central Solomon Islands. April 17, 1929. Collected by Frank C. Wonder. Original number 247.

Well-made skin in good condition; skull lacks upper second molar, lower canine and incisors on right side.

Pteropus sepikensis Sanborn

Field Mus. Nat. Hist., Zool. Ser., 18, p. 14, February 12, 1931.

31855. Skin and skull. Adult male. Marienberg, forty miles up the Sepik River, Territory of New Guinea. May 22, 1929. Collected by Frank C. Wonder. Original number 303.

Well-made skin in good condition; skull lacks lower first premolar and incisors on left side.

Family NOCTILIONIDAE

Noctilio minor Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 30, October 20, 1910.

Noctilio albiventer minor Osgood, Field Mus. Nat. Hist., Zool. Ser., 10, p. 62, January 10, 1912.

18044. Skin in alcohol; skull removed and cleaned. Adult female. Encontrados, Zulia, Venezuela. February 15, 1908. Collected by N. Dearborn. Original number 1024.

Skin and body, skull removed, in alcohol in good condition; right side of rostrum of skull broken, and lower left canine and incisors lacking.

Family RHINOLOPHIDAE

Rhinolophus alcyone alticolus Sanborn

Field Mus. Nat. Hist., Zool. Ser., 20, p. 108, August 15, 1936.

42596. Skin and skull. Adult female. Cave at 5,800 feet on Mount Cameroon, Cameroon Mandate. July 2, 1934. Collected by Rudyerd and Laura Boulton. Original number 53.

Well-made skin in good condition; skull complete.

Rhinolophus formosae Sanborn

Field Mus. Nat. Hist., Zool. Ser., 24, p. 41, September 19, 1939.

46001. Skin in alcohol, skull removed and cleaned. Adult male. Formosa. Collected by M. Maki.

Skin in alcohol in good condition; skull broken, brain case and rostrum separated, upper toothrow complete on one side only, lower jaw nearly complete.

Rhinolophus osgoodi Sanborn

Field Mus. Nat. Hist., Zool. Ser., 24, p. 40, September 19, 1939.

33296. Skin and skull. Adult male. Nguluko (27° 5' N. Lat., 100° 15' E. Long.), north of Likiang, Yunnan, China. February 27, 1929. Collected by Herbert Stevens. Original number 154.

Well-made skin in good condition; skull complete.

Rhinolophus thomasi latifolius Sanborn

Field Mus. Nat. Hist., Zool. Ser., 24, p. 39, September 19, 1939.

32230. Skin and skull. Adult female. Muong Moun, Tonkin, French Indo-China. March 14, 1929. Collected by Ralph E. Wheeler. Original number 39.

Well-made skin in good condition; skull complete.

Rhinolophus thomasi septentrionalis Sanborn

Field Mus. Nat. Hist., Zool. Ser., 24, p. 40, September 19, 1939.

32291. Skin and skull. Adult male. Nguluko (27° 5' N. Lat., 100° 15' E. Long.), north of Likiang, Yunnan, China. February 9, 1929. Collected by Herbert Stevens. Original number 29.

Well-made skin in good condition; skull complete.

Triaeonops wheeleri Osgood

Field Mus. Nat. Hist., Zool. Ser., 18, p. 224, August 19, 1932.

32236. Skin and skull. Adult female. Muong Moun, Tonkin, French Indo-China. March 21, 1929. Collected by Ralph E. Wheeler. Original number 80.

Well-made skin in good condition; skull complete.

Family **PHYLLOSTOMIDAE****Artibeus anderseni** Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 212, October 31, 1916.

21331. Skin in alcohol; skull removed and cleaned. Adult male. Porto Velho, State of Amazonas, Brazil. April 3, 1915. Collected by R. H. Becker. Original number 287-886.

Skin and body in alcohol; skull complete.

Dermanura jucundum Elliot

Proc. Biol. Soc. Wash., 19, p. 50, May 1, 1906.

- = *Artibeus phaeotis* Miller. See Andersen, Proc. Zool. Soc. Lond., p. 303, September, 1908.

14798. Skin and skull. Adult female. Achotal, Veracruz, Mexico. February 15, 1904. Collected by Edmund Heller and C. M. Barber. Original number 3620.

Well-made skin in good condition; skull complete.

Glossophaga soricina valens Miller

Proc. U. S. Nat. Mus., 46, p. 420, December 31, 1913.

19868. Skin in alcohol, skull removed. Adult female. Balsas, Department of Amazonas, Peru. May 16, 1912. Collected by Wilfred H. Osgood. Original number 4723.

Skin in alcohol in good condition; skull complete.

Micronycteris schmidtorum Sanborn

Field Mus. Nat. Hist., Zool. Ser., 20, p. 81, May 15, 1935.

41559. Skin and skull. Adult male. Bobos, Isabal, Guatemala. December 18, 1933. Collected by F. J. W. Schmidt. Original number 4070.

Well-made skin in good condition; skull complete.

Phyllonycteris santa-cristobalensis Elliot

Proc. Biol. Soc. Wash., 18, p. 236, December 9, 1905.

E[rophylla] santacristobalensis Miller, Proc. Biol. Soc. Wash., 19, p. 84, June 4, 1906.

1108. Skin and skull. Adult male. San Cristóbal, Dominican Republic. March 21, 1885. Collected by George K. Cherrie. Original number 5540.

Fairly well-made skin in good condition; skull lacks bulla on left side.

Phyllostoma verrucosum Elliot

Proc. Biol. Soc. Wash., 18, p. 236, December 9, 1905.

Phyllostomus verrucosus Miller, Bull. U. S. Nat. Mus., 79, p. 38, December 31, 1912.

14118. Skin and skull. Adult female. Niltepec, Oaxaca, Mexico. May 18, 1904. Collected by Edmund Heller and Charles M. Barber. Original number 3883.

Well-made skin in good condition; skull complete.

Uroderma validium Elliot

Field Columbian Mus., Zool. Ser., 8, p. 537, February 9, 1907.

= *Artibeus planirostris fallax* Peters. See Andersen, Proc. Zool. Soc. Lond., p. 242, September, 1908.

14881. Skin and skull. Adult male. Cayenne, French Guiana. November 1, 1902. Collected by George K. Cherrie and Benjamin T. Gault. Original number 450.

Well-made skin in good condition; skull complete.

Family **FURIPTERIDAE**

Amorphochilus schnablii osgoodi J. A. Allen

Bull. Amer. Mus. Nat. Hist., 33, p. 381, July 9, 1941.

19684. Skin and skull. Adult male. Hacienda Limón, ten miles west of Balsas, Department of Amazonas, Peru. May 12, 1912. Collected by Wilfred H. Osgood. Original number 4703.

Well-made skin in good condition; skull complete.

Family VESPERTILIONIDAE

Discopus denticulus Osgood

Field Mus. Nat. Hist., Zool. Ser., 18, p. 236, August 19, 1932.

32195. Skin and skull. Adult female. Phong Saly, Laos, French Indo-China. May 3, 1939. Collected by Russell W. Hendee. Original number 5522.

Well-made skin in good condition; skull complete.

Eptesicus diminutus Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 197, October 22, 1915.

20971. Skin and skull. Adult male. São Marcello, junction of Rio Preto and Rio Sapão, State of Bahia, Brazil. March 23, 1914. Collected by Robert H. Becker. Original number 556.

Well-made skin, some hair missing from sides; skull broken on posterior under side.

Miniopterus africanus Sanborn

Field Mus. Nat. Hist., Zool. Ser., 20, p. 111, August 15, 1936.

28769. Skin and skull. Adult female. Sanford's Ranch, Mulo, northwest of Addis Ababa, Shoa District, Ethiopia. Altitude 8,000 feet. October 25, 1926. Collected by Alfred M. Bailey. Original number 73.

Well-made skin in good condition; skull complete.

Miniopterus rufus Sanborn

Field Mus. Nat. Hist., Zool. Ser., 20, p. 112, August 15, 1936.

29416. Skin and skull. Adult male. Katobwe, forty miles below Bukama on the Lualaba River, Tanganyika-Moero, Belgian Congo. November 28, 1926. Collected by John T. Zimmer. Original number 566.

Well-made skin in good condition; skull complete.

Miniopterus schreibersii magnater Sanborn

Field Mus. Nat. Hist., Zool. Ser., 18, p. 26, February 12, 1931.

31802. Skin and skull. Adult male. Marienberg, forty miles up the Sepik River, Territory of New Guinea. May 17, 1929. Collected by Frank C. Wonder. Original number 284.

Well-made skin in good condition; skull complete.

Myotis chiloensis aescens Osgood

Field Mus. Nat. Hist., Zool. Ser., 30, p. 55, December 28, 1943.

24396. Type skin. Adult male. Hacienda Limache, Province of Valparaiso, Chile. January 1, 1925. Collected by John A. Wolffsohn. Original number 157.

23636. Paratype skull only. Not sexed. Limache, Province of Valparaiso, Chile. December 15, 1923. Collected by John A. Wolffsohn. Original number 2.

Well-made skin in good condition; skull of paratype complete.

Myotis milleri Elliot

Field Columbian Mus., Zool. Ser., 3, p. 172, May 2, 1903.

10840. Skin and skull. Adult male. La Grulla, San Pedro Mártir Mountains, Lower California, Mexico. Altitude 8,000 feet. September 15, 1902. Collected by Edmund Heller. Original number 1638.

Well-made skin in good condition; skull with bullae separate, one missing.

Myotis nigricans nicholsoni Sanborn

Field Mus. Nat. Hist., Zool. Ser., 27, p. 382, December 8, 1941.

50783. Skin and skull. Adult male. Hacienda Chucarapi, Tambo Valley, Department of Arequipa, Peru. October 17, 1939. Collected by Colin C. Sanborn. Original number 2237.

Well-made skin in good condition; skull complete.

Myotis orinomus Elliot

Field Columbian Mus., Zool. Ser., 3, p. 228, August 15, 1903.

= *Myotis subulatus melanorhinus* Merriam. See Miller and Allen, Bull. U. S. Nat. Mus., 144, p. 25, 1928.

10848. Skin and skull. Adult male. La Grulla, San Pedro Mártir Mountains, Lower California, Mexico. Altitude 8,000 feet. September 10, 1902. Collected by Edmund Heller. Original number 1602.

Well-made skin in good condition; skull complete.

Myotis siligorensis alticraniatus Osgood

Field Mus. Nat. Hist., Zool. Ser., 18, p. 232, August 19, 1932.

32174. Skin and skull. Adult female. Muong Moun, Tonkin, French Indo-China. March 26, 1929. Collected by Ralph E. Wheeler. Original number 102.

Well-made skin in good condition; skull complete.

Pachyotis temminckii panayensis Sody Lectotype

Natuur. Tijds. Neder. Ind., 88, p. 90, 1928.

= *Scotophilus temminckii temminckii* Horsfield. See Sanborn, Jour. Mamm., 28, p. 68, February 15, 1947.

1110. Skin and skull. Adult female. Capiz, Panay Island, Philippine Islands. October 22, 1890. Collected by D. C. Worcester and F. S. Bourns on Menage Scientific Expedition.

Skin open on under side; wings spread. Skull complete.

Pipistrellus hesperus apus Elliot

Field Columbian Mus., Zool. Ser., 3, p. 269, March 7, 1904.

11776. Skin and skull. Adult male. Providentia Mines, State of Sonora, Mexico. April 1, 1903. Collected by J. Rowley. Original number 40.

Well-made skin in good condition; skull complete.

Family **MOLOSSIDAE****Eumops bonariensis beckeri** Sanborn

Jour. Mamm., 13, p. 354, November 2, 1932.

21536. Skin and skull. Adult male. Trinidad, El Beni, Bolivia. March 22, 1915. Collected by Robert H. Becker. Original number 846.

Well-made skin in good condition; skull complete.

Molossops milleri Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 183, April 20, 1914.

19652. Skin and skull. Adult female. Yurimaguas, Department of Loreto, Peru. September 30, 1912. Collected by Malcolm P. Anderson. Original number 61.

Well-made skin in good condition; skull complete.

Molossops temminckii griseiventer Sanborn

Field Mus. Nat. Hist., Zool. Ser., 27, p. 385, December 8, 1941.

51727. Skin in alcohol, skull removed. Adult female. Espinal, west of Magdalena River on plains of Tolima, Colombia. September 21, 1940. Collected by Brother Niceforo Maria.

Skin in alcohol in good condition; skull complete.

Molossus crassicaudatus tecticola Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 213, footnote, October 31, 1916.

20221. Skin and skull. Adult male. Juá, near Iguatu, State of Ceará, Brazil. August 21, 1913. Collected by Robert H. Becker. Original number 147.

Well-made skin in good condition; skull complete.

Mops angolensis wonderi Sanborn

Field Mus. Nat. Hist., Zool. Ser., 20, p. 114, August 15, 1936.

42138. Skin and skull. Adult female. Sotuba, seven kilometers east of Bamako, French Sudan. April 13, 1934. Collected by Frank C. Wonder. Original number 814.

Well-made skin in good condition; skull complete.

Tadarida similis Sanborn

Field Mus. Nat. Hist., Zool. Ser., 27, p. 386, December 8, 1941.

48560. Skin and skull. Adult male. Bogotá, Colombia. August, 1938. Collected by Brother Niceforo Maria. Original number 4.

Fairly well-made skin in good condition, mouth and stomach not sewed up; skull complete.

Order PRIMATES

Family CERCOPITHECIDAE

Presbytis fusco-murina Elliot

Proc. Biol. Soc. Wash., 19, p. 49, May 1, 1906.

= *Presbytis melalophus* Raffles. See Pocock, Proc. Zool. Soc. Lond., p. 912, 1934.

14803. Skin and skull. Adult (not sexed). Telok Betong, Lampongs, South Sumatra. Purchased from W. Denna, February, 1906.

Flat, tanned skin, badly grease-burned about feet as toes were left in skin; three feet are separated from skin; skull complete.

Chasen (Bull. Raffles Mus., No. 15, p. 77, April, 1940) recognizes this race under *Pithecus femoralis fusco-murinus* Elliot.

Family CEBIDAE

Saimiri sciurea collinsi Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 215, October 31, 1916.

19534. Skin and skull. Adult male. Fazenda Teso, near Soure, Marajó Island, Brazil. November 15, 1911. Collected by Emilie Snethlage. Original number 6.

Fairly well-made skin in good condition; skull complete.

Order **EDENTATA**Family **MYRMECOPHAGIDAE****Myrmecophaga tridactyla artatus** Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 40, January 10, 1912.

18773. Skull without skin. Adult male. Empalado Savannas, thirty miles east of Maracaibo, Zulia, Venezuela. March, 1911. Collected by Wilfred H. Osgood. Original number 4316.

Skull complete.

Order **LAGOMORPHA**Family **OCHOTONIDAE****Ochotona cansa stevensi** Osgood

Field Mus. Nat. Hist., Zool. Ser., 18, p. 328, August 19, 1932.

33098. Skin and skull. Adult male. Wu-chi, southwest of Tatsienlu, Szechwan, China. May 14, 1929. Collected by Herbert Stevens. Original number 317.

Over-stuffed skin in good condition; skull complete.

Family **LEPORIDAE****Lepus floridanus persultator** Elliot

Field Columbian Mus., Zool. Ser., 3, p. 147, March 20, 1903.

= *Sylvilagus floridanus orizabae* Merriam. See Nelson, N. Amer. Fauna, No. 29, p. 183, August 31, 1909.

8679. Skin and skull. Adult (not sexed). Puebla, State of Puebla, Mexico. May 8, 1901. Collected by F. E. Lutz.

Well-made skin in good condition; skull lacks posterior half of under side.

Lepus laticinctus Elliot

Field Columbian Mus., Zool. Ser., 3, p. 254, January 8, 1904.

= *Sylvilagus auduboni arizonae* Allen. See Nelson, N. Amer. Fauna, No. 29, p. 222, August 31, 1909.

12618. Skin and skull. Adult male. Oro Grande, Mohave Desert, San Bernardino County, California. March 12, 1903. Collected by Edmund Heller. Original number 2156.

Well-made skin in good condition; skull complete.

Lepus l[aticinctus] perplicatus Elliot

Field Columbian Mus., Zool. Ser., 3, p. 255, January 8, 1904.

= *Sylvilagus nuttalli grangeri* Allen. See Nelson, N. Amer. Fauna, No. 29, p. 204, August 31, 1909.

12612. Skin and skull. Adult female. Hannopee Canyon, Panamint Mountains, Inyo County, California. May 22, 1903. Collected by Edmund Heller. Original number 2500.

Well-made skin in good condition; skull lacks zygoma on left side; jaw lacks posterior half.

Lepus l[aticinctus] rufipes Elliot

Field Columbian Mus., Zool. Ser., 3, p. 254, January 8, 1904.

= *Sylvilagus audubonae arizonae* Allen. See Grinnell, Proc. Calif. Acad. Sci., (4), 3, p. 364, August 28, 1913.

12631. Skin and skull. Adult female. Furnace Creek, Death Valley, Inyo County, California. April 28, 1903. Collected by Edmund Heller. Original number 2409.

Well-made skin in good condition; skull complete.

Lepus telmalemonus Elliot

Field Columbian Mus., Zool. Ser., 1, p. 285, May 25, 1899.

= *Sylvilagus aquaticus* Bachman. See Nelson, N. Amer. Fauna, No. 29, p. 271, August 31, 1909.

6868. Skin and skull. Adult male. Washita River, near Dougherty, Murray County, Oklahoma. April 12, 1899. Collected by Thaddeus Surber.

Well-made skin in good condition; skull complete.

Sylvilagus avius Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 29, October 20, 1910.

16593. Skin and skull. Adult female. Testigo Grande, Testigo Islands, Venezuela. February 14, 1909. Collected by John F. Ferry. Original number 304.

Well-made skin in good condition; skull complete.

Sylvilagus nigronuchalis continentis Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 57, January 10, 1912.

18695. Skin and skull. Adult (not sexed). Near Maracaibo, Venezuela. January 13, 1911. Collected by Wilfred H. Osgood and Stanley G. Jewett. Original number 4112.

Well-made skin in good condition; skull complete.

Order **RODENTIA**Family **SCIURIDAE****Belomys pearsoni blandus** Osgood

Field Mus. Nat. Hist., Zool. Ser., 18, p. 269, August 19, 1932.

32312. Skin and skull. Adult male. Muong Moun, Tonkin, French Indo-China. March 16, 1929. Collected by Josselyn Van Tyne. Original number 32.

Well-made skin in good condition; skull complete.

Callosciurus erythraeus hendeei Osgood

Field Mus. Nat. Hist., Zool. Ser., 18, p. 270, August 19, 1932.

32290. Skin and skull. Adult male. Chapa, Tonkin, French Indo-China. February 14, 1929. Collected by Russell W. Hendee. Original number 5168.

Well-made skin in good condition; skull complete.

Callosciurus flavimanus bolovens Osgood

Field Mus. Nat. Hist., Zool. Ser., 18, p. 276, August 19, 1932.

37874. Skin and skull. Adult female. Paksong, Boloven Plateau, Laos, French Indo-China. January 24, 1932. Collected by Jean Delacour. Original number 211.

Well-made skin in good condition; skull complete.

Citellus chlorus Elliot

Field Columbian Mus., Zool. Ser., 3, p. 242, January 7, 1904.

- Citellus tereticaudus chlorus* Grinnell, Proc. Calif. Acad. Sci., (4), 3, p. 347, August 28, 1913.

12861. Skin and skull. Adult male. Palm Springs, Riverside County, California. February 16, 1902. Collected by Edmund Heller. Original number 1936.

Well-made skin in good condition; skull complete.

Citellus eremonomus Elliot

Field Columbian Mus., Zool. Ser., 3, p. 243, January 7, 1904.

- =*Citellus tereticaudus tereticaudus* Baird. See Howell, N. Amer. Fauna, No. 56, p. 185, May 18, 1938.

12862. Skin and skull. Adult female. Furnace Creek, Death Valley, Inyo County, California. April 29, 1903. Collected by Edmund Heller. Original number 2412.

Well-made skin in good condition; skull complete.

Citellus [eucurus] vinnulus Elliot

Field Columbian Mus., Zool. Ser., 3, p. 241, January 7, 1904.

=*Citellus leucurus leucurus* Merriam. See Howell, N. Amer. Fauna, No. 56, May 18, 1938.

12445. Skin and skull. Adult female. Keeler, Owens Lake, Inyo County, California. June 2, 1903. Collected by Edmund Heller. Original number 2621.

Well-made skin in good condition; skull lacks zygomatic arches.

Citellus nesioticus Elliot

Field Columbian Mus., Zool. Ser., 3, p. 263, March 7, 1904.

Citellus beecheyi nesioticus Grinnell, Proc. Calif. Acad. Sci., (4), 3, p. 345, August 28, 1913.

11722. Skin and skull. Adult male. Santa Catalina Island, California. February 8, 1903. Collected by J. Rowley. Original number 91.

Well-made skin in good condition; skull complete.

Cynomys pyrrotrichus Elliot

Proc. Biol. Soc. Wash., 18, p. 139, April 18, 1905.

=*Cynomys ludovicianus ludovicianus* Ord. See Hollister, N. Amer. Fauna, No. 40, p. 14, June 20, 1916.

6863. Skin and skull. Adult female. White Horse Spring, Woods County, Oklahoma. May 19, 1899. Collected by Thaddeus Surber. Original number 247.

Well-made skin in good condition; skull with partly broken brain case and interorbital region, and lacking part of left zygomatic arch.

Glaucomys sabrinus canescens Howell

Proc. Biol. Soc. Wash., 28, p. 111, May 27, 1915.

7663. Skin and skull. Subadult female. Portage la Prairie, Manitoba, Canada. February 3, 1900. Collected by George F. Dippie.

Well-made skin in good condition; skull lacks last molar on left side.

Sciuropterus alpinus olympicus Elliot

Field Columbian Mus., Zool. Ser., 1, p. 225, February 2, 1899.

Glaucomys sabrinus olympicus Howell, N. Amer. Fauna, No. 44, p. 49, June 13, 1918.

5902. Skin and skull. Adult male. Happy Lake, Clallam County, Olympic Mountains, Washington. Altitude 5,000 feet. September 10, 1898. Collected by D. G. Elliot. Original number 418.

Well-made skin in good condition; skull complete.

Collected September 10, not September 9, as stated in the original description.

Sciuropterus nigripes elassodontus Osgood

Proc. Biol. Soc. Wash., 31, p. 1, February 21, 1918.

Hylomys nigripes elassodontus Ellerman, Fam. Gen. Rodents, p. 300, June 8, 1940.

21774. Skin and skull. Subadult male. Bancalan Island, North Balabac Strait, Philippine Islands. July 12, 1916. Collected by C. M. Weber.

Skin made with membrane spread, in good condition; skull broken in pterygoid region.

Sciurus gerrardi cucutae J. A. Allen

Bull. Amer. Mus. Nat. Hist., 33, p. 592, October 8, 1914.

18728. Skin and skull. Adult female. El Guayabal, ten miles north of San José de Cucuta, Colombia. March 13, 1911. Collected by Wilfred H. Osgood and Stanley G. Jewett. Original number 4272.

Well-made skin in good condition; skull complete.

Sciurus griseogena tamae Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 48, January 10, 1912.

=*Sciurus griseogena meridensis* Osgood. See Ellerman, Fam. Gen. Rodents, p. 340, June 8, 1940.

18736. Skin and skull. Adult male. Páramo de Tama, Colombia. Altitude 6,000–7,000 feet. February 14, 1911. Collected by Wilfred H. Osgood and Stanley G. Jewett. Original number 4165.

Well-made skin in good condition; skull complete.

Sciurus mindanensis Steere

Lectotype

A List of the Birds and Mammals Collected by the Steere Expedition to the Philippines, p. 29, July 14, 1890.

Callosciurus mindanensis Ellerman, Fam. Gen. Rodents, p. 374, June 8, 1940.

1077. Skin and skull. Adult (not sexed). Mindanao Island, Philippine Islands. October or December, 1887. Collected by J. B. Steere.

Well-made skin in good condition; skull complete.

Steere did not designate a type. In 1907, Elliot (Field Columbian Mus., Zool. Ser., 8, p. 118) listed this specimen and the following specimen by

their numbers as the types. The original labels have been removed from the skins and can not be found.

Sciurus samarensis Steere

Lectotype

A List of the Birds and Mammals Collected by the Steere Expedition to the Philippines, p. 30, July 14, 1890.

Callosciurus samarensis Ellerman, Fam. Gen. Rodents, p. 374, June 8, 1940.

1080. Skin and skull. Female. Samar Island, Philippine Islands. April 25, 1888. Collected by J. B. Steere.

Well-made skin in good condition; skull complete.

See remarks under *Sciurus mindanensis*.

Sciurus sanborni Osgood

Field Mus. Nat. Hist., Zool. Ser., 29, p. 191, July 12, 1944.

52611. Skin and skull. Subadult female. La Pampa, between Rio Inambari and Rio Tambopata, about twenty miles north of Santo Domingo, Department of Puno, Peru. October 23, 1941. Collected by Colin C. Sanborn. Original number 2979.

Well-made skin in good condition; skull lacks last molar on left side.

Sciurus tobagensis Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 27, October 20, 1910.

Sciurus chapmani tobagensis Ellerman, Fam. Gen. Rodents, p. 341, June 8, 1940.

14954. Skin and skull. Adult female. Tobago Island, British West Indies. May 12, 1892. Collected by W. W. Brown, Jr.

Fairly well-made skin in good condition; skull lacks lower jaw, all lower side of brain case, and most of one toothrow.

Sciurus versicolor zuliae Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 26, October 20, 1910.

16584. Skin and skull. Adult male. Orope, Zulia, Venezuela. March 1, 1908. Collected by N. Dearborn. Original number 1039.

Well-made skin in good condition; skull complete.

Tamias nexus Elliot

Proc. Biol. Soc. Wash., 18, p. 233, December 9, 1905.

=*Eutamias bulleri durangae* Allen. See Howell, Jour. Mamm., 3, p. 184, August 4, 1922.

14083. Skin and skull. Adult male. Coyotes, Durango, Mexico. July 27, 1904. Collected by Edmund Heller. Original number 4155.

Well-made skin in good condition; skull complete.

Elliot published the collector's number of the type as 4293 but labeled No. 4155 as type and published the collector's measurements of No. 4155. His description fits No. 4155 better also, so it is considered as the type.

Tamias townsendi littoralis Elliot

Field Columbian Mus., Zool. Ser., 3, p. 153, May 7, 1903.

= *Eutamias townsendi townsendi* Bachman. See Howell, N. Amer. Fauna, No. 52, p. 106, November, 1929.

9819. Skin and skull. Adult female. Marshfield, Coos County, Oregon. November 5, 1901. Collected by Edmund Heller. Original number 624.

Well-made skin in good condition; skull lacks three molars.

Family GEOMYIDAE

Cratogeomys perotensis peraltus Goldman

Journ. Wash. Acad. Sci., 27, p. 403, September 15, 1937.

13831. Skin and skull. Adult male. Near timber line on Mount Orizaba, Veracruz, Mexico. July 5, 1904. Collected by Edmund Heller. Original number 4141.

Well-made skin in good condition; skull complete.

Heterogeomys lanius Elliot

Proc. Biol. Soc. Wash., 18, p. 235, December 9, 1905.

14062. Skin and skull. Adult female. Xuchil, Veracruz, Mexico. June 18, 1904. Collected by Edmund Heller and Charles M. Barber. Original number 4092.

Well-made skin in good condition; skull lacks bulla on right side and foramen magnum.

Macrogeomys underwoodi Osgood

Field Mus. Nat. Hist., Zool. Ser., 18, p. 143, August 3, 1931.

35175. Skin and skull. Adult female. Alto de Jabillo Pirris, between San Gerónimo and Pozo Azul, western Costa Rica. April 23, 1931. Collected by Cecil F. Underwood. Original number 406.

Well-made skin in good condition; skull complete.

Orthogeomys cuniculus Elliot

Proc. Biol. Soc. Wash., 18, p. 234, December 9, 1905.

14052. Skin and skull. Adult male. Zanatepec, Oaxaca, Mexico. May 9, 1904. Collected by Edmund Heller and Charles M. Barber. Original number 3878.

Well-made skin in good condition; skull complete.

Thomomys aphrastus Elliot

Field Columbian Mus., Zool. Ser., 3, p. 219, August 15, 1903.

- Thomomys bottae aphrastus* Huey, Trans. San Diego Soc. Nat. Hist., 10, p. 259, August 31, 1945.

10797. Skin and skull. Adult male. Santo Tomás, eighteen miles south of Ensenada, Lower California, Mexico. Altitude 50–100 feet. March 5, 1902. Collected by Edmund Heller. Original number 889.

Well-made skin in good condition; skull lacks last upper right molar.

Thomomys helleri Elliot

Field Columbian Mus., Zool. Ser., 3, p. 165, May 7, 1903.

- Thomomys monticola helleri* Bailey, N. Amer. Fauna, No. 39, p. 126, November 15, 1915.

9431. Skin and skull. Adult female. Goldbeach, mouth of Rogue River, Curry County, Oregon. October 3, 1901. Collected by Edmund Heller. Original number 566.

Well-made skin in good condition; skull lacks both zygomatic arches, four upper molars, one lower molar, and one upper incisor.

Total length, stated by Elliot to be 209 mm., is given on the original label as 203 mm.

Thomomys scapterus Elliot

Field Columbian Mus., Zool. Ser., 3, p. 248, January 8, 1904.

- =*Thomomys perpallidus perpes* Merriam. See Bailey, N. Amer. Fauna, No. 39, p. 72, November 15, 1915.

12372. Skin and skull. Adult male. Hannopee Canyon, Panamint Mountains, Inyo County, California. May 24, 1903. Collected by Edmund Heller. Original number 2525.

Well-made skin in good condition; skull complete.

Family HETEROMYIDAE

Dipodomys deserti helleri Elliot

Field Columbian Mus., Zool. Ser., 3, p. 249, January 8, 1904.

= *Dipodomys deserti* Stephens. See Grinnell, Univ. Calif. Pub. Zool., **24**, p. 106, June 17, 1922.

12860. Skin and skull. Adult male. Keeler, Owens Lake, Inyo County, California. June 3, 1903. Collected by Edmund Heller. Original number 2636.

Well-made skin in good condition; skull with part of right bulla broken.

Dipodomys m[erriami] arenivagus Elliot

Field Columbian Mus., Zool. Ser., **3**, p. 249, January 8, 1904.

10733. Skin and skull. Adult male. San Felipe, Lower California, Mexico. April 1, 1902. Collected by Edmund Heller. Original number 1036.

Well-made skin in good condition; skull complete.

Dipodomys merriami mortivalis Elliot

Field Columbian Mus., Zool. Ser., **3**, p. 250, January 8, 1904.

= *Dipodomys merriami merriami* Mearns. See Grinnell, Univ. Calif. Pub. Zool., **24**, p. 73, June 17, 1922.

12863. Skin and skull. Adult male. Furnace Creek, Death Valley, Inyo County, California. April 26, 1903. Collected by Edmund Heller. Original number 2379.

Well-made skin in good condition; lacks small part of brain case.

Heteromys anomalus brachialis Osgood

Field Mus. Nat. Hist., Zool. Ser., **10**, p. 54, January 10, 1912.

18623. Skin and skull. Adult female. El Panorama, Rio Aurare, east shore of Lake Maracaibo, Venezuela. January 19, 1911. Collected by Wilfred H. Osgood and Stanley G. Jewett. Original number 4126.

Well-made skin in good condition; skull complete.

Heteromys exiguus Elliot

Field Columbian Mus., Zool. Ser., **3**, p. 146, March 20, 1903.

= *Liomys irroratus torridus* Merriam. See Goldman, N. Amer. Fauna, No. 34, p. 55, September 7, 1911.

8675. Skin and skull. Adult female. Puente de Ixtla, Morelos, Mexico. April 30, 1901. Collected by F. E. Lutz. Original number 19.

Well-made skin in good condition; skull broken, rostrum and tooththrows in one piece, posterior part of brain case with bullae in another piece.

Heteromys (Liomys) paralius Elliot

Field Columbian Mus., Zool. Ser., 3, p. 233, September 3, 1903.

= *Liomys pictus obscurus* Merriam. See Goldman, N. Amer. Fauna, No. 34, p. 44, September 7, 1911.

11096. Skin and skull. Adult male. San Carlos, State of Veracruz, Mexico. March 2, 1903. Collected by N. G. Buxton. Original number 46.

Well-made skin in good condition; skull with large hole in brain case.

Liomys salvini aterrimus Goodwin

Amer. Mus. Nov., No. 987, p. 4, May 13, 1938.

35211. Skin and skull. Adult female. Savanilla de Pirris, near Rio Grande de Pirris, Department of San José, Costa Rica. April 12, 1931. Collected by Cecil F. Underwood. Original number 217.

Well-made skin in good condition; skull with zygomatic arches partly broken.

Perognathus baileyi rudinoris Elliot

Field Columbian Mus., Zool. Ser., 3, p. 167, May 2, 1903.

10329. Skin and skull. Adult male. San Quentin, Lower California, Mexico. July 24, 1902. Collected by Edmund Heller. Original number 1316.

Well-made skin in good condition; skull complete.

Perognathus elibatus Elliot

Field Columbian Mus., Zool. Ser., 3, p. 252, January 8, 1904.

= *Perognathus longimembris longimembris* Merriam. See Osgood, Proc. Biol. Soc. Wash., 31, p. 96, June 29, 1918.

11971. Skin and skull. Adult male. Mount Pinos, Ventura County, California. Altitude 5,000 feet. October 6, 1903. Collected by Edmund Heller. Original number 3254.

Well-made skin in good condition; skull complete.

Perognathus femoralis mesopolius Elliot

Field Columbian Mus., Zool. Ser., 3, p. 168, May 2, 1903.

Perognathus californicus mesopolius Grinnell, Proc. Calif. Acad. Sci., (4), 8, p. 335, August 28, 1913, made *femoralis* a subspecies of *californicus*.

10374. Skin and skull. Adult female. Piñón, San Pedro Mártir Mountains, Lower California, Mexico. October 16, 1902. Collected by Edmund Heller. Original number 1730.

Well-made skin in good condition; skull complete.

Perognathus helleri Elliot

Field Columbian Mus., Zool. Ser., 3, p. 166, May 2, 1903.

Perognathus arenarius helleri Huey, Proc. Biol. Soc. Wash., 39, p. 68, July 30, 1926.

10355. Skin and skull. Adult male. San Quentin, Lower California, Mexico. July 26, 1902. Collected by Edmund Heller. Original number 1339.

Well-made skin in good condition; skull complete.

Perognathus hispidus maximus Elliot

Field Columbian Mus., Zool. Ser., 3, p. 253, January 7, 1904.

6723. Skin and skull. Adult male. Noble, Cleveland County, Oklahoma. March 2, 1899. Collected by Thaddeus Surber. Original number 131.

Well-made skin in good condition; skull lacks all of zygomatic arch on right side.

Perognathus knekus Elliot

Field Columbian Mus., Zool. Ser., 3, p. 169, May 2, 1903.

= [*Perognathus baileyi*] *rudinoris* Elliot. See Nelson and Goldman, Proc. Wash. Acad. Sci., 20, p. 223, June 19, 1930.

10392. Skin and skull. Adult male. Rosarito, San Pedro Mártir Mountains, Lower California, Mexico. August 13, 1902. Collected by Edmund Heller. Original number 1456.

Well-made skin in good condition; skull lacks all of zygomatic arch on left side.

Perognathus mesembrinus Elliot

Field Columbian Mus., Zool. Ser., 3, p. 251, January 8, 1904.

Perognathus formosus mesembrinus Nelson and Goldman, Proc. Biol. Soc. Wash., 42, p. 106, March 25, 1929.

11784. Skin and skull. Adult male. Palm Springs, Riverside County, California. February 24, 1903. Collected by Edmund Heller. Original number 1995.

Well-made skin in good condition; skull complete.

Perognathus pericalles Elliot

Field Columbian Mus., Zool. Ser., 3, p. 252, January 7, 1904.

= *Perognathus longimembris longimembris* Merriam. See Grinnell, Univ. Calif. Pub. Zool., 40, p. 147, September 26, 1933.

11969. Skin and skull. Adult male. Keeler, Owens Lake, Inyo County, California. June 2, 1903. Collected by Edmund Heller. Original number 2609.

Well-made skin in good condition; skull complete.

Family CRICETIDAE

Akodon (Abrothrix) longipilis apta Osgood

Field Mus. Nat. Hist., Zool. Ser., 30, p. 188, December 28, 1943.

50425. Skin and skull. Adult male. Piedra de Aguilas, Sierra Nahuelbuta, Province of Malleco, Chile. November 4, 1939. Collected by John M. Schmidt. Original number 193.

Well-made skin in good condition; skull complete.

Akodon (Abrothrix) sanborni Osgood

Field Mus. Nat. Hist., Zool. Ser., 30, p. 194, December 28, 1943.

22726. Skin and skull. Adult male. Mouth of Rio Inio, south end of Chiloe Island, Chile. January 15, 1923. Collected by Wilfred H. Osgood. Original number 5522.

Well-made skin in good condition; skull complete.

Akodon aerosus baliolus Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 192, October 22, 1915.

20108. Skin and skull. Adult male. Inca Mines (Santo Domingo Mine) near Inambari River, Department of Puno, Peru. August 11, 1900. Collected by H. H. Keays.

Well-made skin in good condition; skull complete.

Akodon andinus polius Osgood

Field Mus. Nat. Hist., Zool. Ser., 29, p. 196, July 12, 1944.

49568. Skin and skull. Adult female. Salinas, Department of Arequipa, Peru. Altitude 14,000 feet. October 6, 1939. Collected by John M. Schmidt. Original number 180.

Well-made skin in good condition; skull complete.

In the original description the number of the type was given as 49563 instead of 49568.

Akodon boliviensis subfuscus Osgood

Field Mus. Nat. Hist., Zool. Ser., 29, p. 195, July 12, 1944.

52558. Skin and skull. Adult male. Limbani, Department of Puno, Peru. Altitude 9,000 feet. September 29, 1941. Collected by Colin C. Sanborn. Original number 2881.

Well-made skin in good condition; skull complete.

Akodon (Chroecomys) jelskii ochrotis Sanborn

Fieldiana, Zool., 31, p. 140, May 14, 1947.

52521. Skin and skull. Adult female. Huacullani, Department of Puno, Peru. Altitude about 13,500 feet. August 25, 1941. Collected by Colin C. Sanborn. Original number 2734.

Well-made skin in good condition; skull complete.

Sex erroneously given as male in original description.

Akodon dayi Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 208, October 31, 1916.

21329. Skin and skull. Adult male. Todos Santos, Rio Chapare, Bolivia. March 15, 1915. Collected by Robert H. Becker. Original number 784.

Well-made skin in good condition; skull complete.

Akodon mollis orientalis Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 99, May 31, 1913.

19855. Skin and skull. Adult female. Poco Tambo, between Chachapoyas and Rioja, Department of Amazonas, Peru. Altitude about 6,000 feet. June 29, 1912. Collected by Wilfred H. Osgood and Malcolm P. Anderson. Original number 4889.

Well-made skin in good condition; skull lacks posterior half of lower side of brain case.

Akodon mollis orophilus Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 98, May 31, 1913.

19724. Skin and skull. Adult male. Leimebamba, mountains near headwaters of Utcubamba River, Department of Amazonas, Peru. May 26, 1912. Collected by Wilfred H. Osgood and Malcolm P. Anderson. Original number 4795.

Well-made skin in good condition; skull complete.

Chilomys fumeus Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 53, January 10, 1912.

18690. Skin and skull. Adult male. Páramo de Tama, head of Rio Táchira, Santander, Colombia. Altitude 6,000–7,000 feet.

February 18, 1911. Collected by Wilfred H. Osgood and Stanley G. Jewett. Original number 4186.

Well-made skin in good condition; skull complete.

Eothenomys (Antelionomys) custos hintoni Osgood

Field Mus. Nat. Hist., Zool. Ser., 18, p. 321, August 19, 1932.

33073. Skin and skull. Adult female. Wu-chi, southwest of Tatsienlu, Szechwan, China. May 15, 1929. Collected by Herbert Stevens. Original number 322.

Well-made skin in good condition; skull complete.

Fiber occipitalis Elliot

Field Columbian Mus., Zool. Ser., 3, p. 162, fig. p. 163 (skull), May 2, 1903.

Ondatra zibethica occipitalis Miller, Bull. U. S. Nat. Mus., 79, p. 231, December 31, 1912.

9260. Skin and skull. Adult female. Florence, Lane County, Oregon. December 16, 1901. Collected by Edmund Heller. Original number 760.

Well-made skin (tail curled around side) in good condition; skull complete.

Hesperomys bimaculatus bonariensis Osgood

Field Mus. Nat. Hist., Zool. Ser., 20, p. 14, December 11, 1933.

23406. Skin and skull. Adult female. Torrecita, Province of Buenos Aires, Argentina. May 31, 1923. Collected by Wilfred H. Osgood. Original number 5800.

Well-made skin in good condition; skull complete.

Hodomys vetulus elatturus Osgood

Field Mus. Nat. Hist., Zool. Ser., 20, p. 475, December 31, 1938.

47442. Skin and skull. Adult male. Cuapongo, State of Guerrero, Mexico. September 30, 1937. Collected by W. W. Brown. Original number 118.

Well-made skin in good condition; skull complete.

In the original description the type locality was given as Chilpancingo, whence came nine of the ten specimens in the series. The type, however, was collected at Cuapongo near Chilpancingo.

Holochilus amazonicus Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 188, October 22, 1915.

20136. Skin and skull. Adult male. Itacoatiara, Amazon River, State of Amazonas, Brazil. May 11, 1913. Collected by Robert H. Becker. Original number 50.

Well-made skin in good condition; skull lacks pterygoid region and part of brain case.

Microtus californicus aequivocatus Osgood

Jour. Mamm., 9, p. 56, February 9, 1928.

10760. Skin and skull. Adult male. San Quentin, Lower California, Mexico. July 30, 1902. Collected by Edmund Heller. Original number 1383.

Well-made skin in good condition; skull complete.

Microtus californicus huperuthrus Elliot

Field Columbian Mus., Zool. Ser., 3, p. 161, May 2, 1903.

10740. Skin and skull. Adult male. La Grulla, San Pedro Mártir Mountains, Lower California, Mexico. September 10, 1902. Collected by Edmund Heller. Original number 1606.

Well-made skin in good condition; skull complete.

Type locality first given as San Quentin but later corrected to La Grulla by Elliot (Field Columbian Mus., Zool. Ser., 8, p. 292, footnote, 1907).

Microtus (Lagurus) pumilus Elliot

Field Columbian Mus., Zool. Ser., 1, p. 226, February 2, 1899.

= *Phenacomys olympicus* Elliot. See Elliot, Field Columbian Mus., Zool. Ser., 8, p. 282, February 9, 1907.

6269. Skin and skull. Juvenile male. Happy Lake, Clallam County, Olympic Mountains, Washington. Altitude 5,000 feet. August 18, 1898. Collected by D. G. Elliot.

Fairly well-made skin, lacks right foreleg; skull broken into many pieces, upper tooththrows and lower jaw complete.

Microtus morosus Elliot

Field Columbian Mus., Zool. Ser., 1, p. 227, February 2, 1899.

= *Microtus oregoni oregoni* Bachman. See Bailey, N. Amer. Fauna, No. 17, p. 70, June 6, 1900.

6260. Skin and skull. Adult female. Boulder Lake, Clallam County, Olympic Mountains, Washington. Altitude 5,000 feet. September 11, 1898. Collected by D. G. Elliot.

Well-made skin in good condition; skull complete.

Nectomys squamipes montanus Hershkovitz

Mus. Zool. Univ. Mich. Misc. Publ., No. 58, p. 57, January 4, 1944.

24128. Skin and skull. Adult male. Hacienda Exito, Rio Cayumba, Department of Huánuco, Peru. July 31, 1922. Collected by Edmund Heller. Original number 6394.

Well-made skin in good condition; skull complete.

Nectomys squamipes olivaceus Hershkovitz

Mus. Zool. Univ. Mich. Misc. Publ., No. 58, p. 41, January 4, 1944.

26574. Skin and skull. Adult male. Therezópolis, Rio de Janeiro, Brazil. July 8, 1926. Collected by Colin C. Sanborn. Original number 1038.

Well-made skin in good condition; skull complete.

Neotoma bella felipensis Elliot

Field Columbian Mus., Zool. Ser., 3, p. 217, August 15, 1903.

Neotoma lepida felipensis Goldman, Jour. Mamm., 13, p. 64, February 9, 1932.

10494. Skin and skull. Adult male. San Felipe, Gulf of California, Lower California, Mexico. April 3, 1902. Collected by Edmund Heller. Original number 1056.

Well-made skin in good condition; skull complete.

Neotoma c[inerea] columbiana Elliot

Field Columbian Mus., Zool. Ser., 1, p. 255, March 19, 1899.

=*Neotoma cinerea occidentalis* Baird. See Goldman, N. Amer. Fauna, No. 31, p. 101, October 19, 1910.

4910. Skin without skull. Adult. Ducks, British Columbia, Canada. August 1, 1889. Collected by C. P. Streater.

Well-made skin in good condition.

Neotoma desertorum grandis Elliot

Field Columbian Mus., Zool. Ser., 3, p. 247, January 7, 1904.

=*Neotoma albigula venusta* True. See Goldman, N. Amer. Fauna, No. 31, p. 34, October 19, 1910.

8851. Skin and skull. Adult male. Cameron Lake, Sierra Nevada, Kern County, California. March 29, 1901. Collected by Edmund Heller. Original number 3069.

Well-made skin in good condition; skull complete.

Neotoma ferruginea vulcani Sanborn

Field Mus. Nat. Hist., Zool. Ser., 20, p. 84, May 15, 1935.

41746. Skin and skull. Adult female. Volcan Tajumulco, south slope, San Marcos, Guatemala. February 22, 1934. Collected by F. J. W. Schmidt. Original number 4251.

Well-made skin in good condition; skull complete.

Neotoma fuscipes affinis Elliot

Field Columbian Mus., Zool. Ser., 1, p. 202, April 16, 1898.

=*Neotoma fuscipes annectens* Elliot. See Goldman, N. Amer. Fauna, No. 31, p. 90, October 19, 1910.

2183. Skin and skull. Adult male. Alum Rock Park, Santa Clara County, California. May 14, 1895. Collected by J. Diefenbach. Original number 698.

Well-made skin in good condition; skull complete.

Neotoma fuscipes annectens Elliot

Field Columbian Mus., Zool. Ser., 1, p. 201, April 16, 1898.

2160. Skin and skull. Adult male. Portola, San Mateo County, California. December 23, 1895. Collected by W. W. Price and — Coolidge. Original number 1.

Well-made skin in good condition; skull complete.

Neotoma fuscipes cnemophila Elliot

Field Columbian Mus., Zool. Ser., 3, p. 267, March 7, 1904.

=*Neotoma fuscipes macrotis* Thomas. See Goldman, N. Amer. Fauna, No. 31, p. 93, October 19, 1910.

12781. Skin and skull. Adult male. Lockwood Valley, Mount Pinos, Ventura County, California. October 6, 1903. Collected by Edmund Heller. Original number 3282.

Well-made skin in good condition; skull complete.

Neotoma fuscipes mohavensis Elliot

Field Columbian Mus., Zool. Ser., 3, p. 246, January 7, 1904.

12792. Skin and skull. Adult female. Oro Grande, Mohave Desert, San Bernardino County, California. March 12, 1903. Collected by Edmund Heller. Original number 2162.

Well-made skin in good condition; skull complete.

Neotoma fuscus apicalis Elliot

Field Columbian Mus., Zool. Ser., 3, p. 160, May 2, 1903.

=*Neotoma cinerea fusca* True. See Goldman, N. Amer. Fauna, No. 31, p. 103, October 19, 1910.

9236. Skin and skull. Adult male. Gardiner, Coos County, Oregon. November 30, 1901. Collected by Edmund Heller. Original number 687.

Well-made skin in good condition; skull complete.

Neotoma macropus surberi Elliot

Field Columbian Mus., Zool. Ser., 1, p. 279, May 15, 1899.

=*Neotoma micropus* Baird. See Goldman, N. Amer. Fauna, No. 31, p. 27, October 19, 1910.

6755. Skin and skull. Adult male. Canyon three miles west of Alva, Woods County, Oklahoma. February 20, 1899. Collected by Thaddeus Surber. Original number 97.

Well-made skin in good condition; skull complete.

Nesoryzomys darwini Osgood

Field Mus. Nat. Hist., Zool. Ser., 17, p. 23, July 12, 1929.

30830. Skin and skull. Adult female. Academy Bay, Indefatigable Island, Galapagos Islands. January 12, 1929. Collected by Frank C. Wonder. Original number 82.

Well-made skin in good condition; skull complete.

Notiomys connectens Osgood

Field Mus. Nat. Hist., Zool. Ser., 12, p. 120, October 26, 1925.

=*Notiomys macronyx vestitus* Thomas. See Osgood, Field Mus. Nat. Hist., Zool. Ser., 30, p. 162, December 28, 1943.

22508. Skin. Adult male. Villa Portales, Province of Cautin, Chile. February 29, 1924. Collected by Colin C. Sanborn. Original number 734.

Well-made skin in good condition.

This form was based on a skin associated with the skull of an *Akodon* (*Abrothrix*). Osgood (1943) later made the skin the type and placed the name *connectens* in synonymy.

Notiomys valdivianus araucanus Osgood

Field Mus. Nat. Hist., Zool. Ser., 12, p. 117, October 26, 1925.

=*Notiomys valdivianus valdivianus* Philippi. See Osgood, Field Mus. Nat. Hist., Zool. Ser., 30, p. 151, December 28, 1943.

22498. Skin and skull. Adult female. Termas de Tolhuaca, Province of Malleco, Chile. January 18, 1924. Collected by Colin C. Sanborn. Original number 652.

Well-made skin in good condition; skull complete.

Notiomys valdivianus bicolor Osgood

Field Mus. Nat. Hist., Zool. Ser., 30, p. 155, December 28, 1943.

22517. Skin and skull. Old adult male. Casa Richards, Rio Nirehuao, 45° 3' S. Lat., Province of Llanquihue, Chile. March

14, 1923. Collected by Wilfred H. Osgood. Original number 5690.

Well-made skin in good condition; skull broken in interorbital region, lacks right zygomatic arch.

Notiomys valdivianus chiloensis Osgood

Field Mus. Nat. Hist., Zool. Ser., 12, p. 117, October 26, 1925.

22521. Skin and skull. Adult female. Quellon, Chiloe Island, Chile. December 25, 1922. Collected by Wilfred H. Osgood. Original number 5465.

Well-made skin in good condition; skull complete.

Onychomys macrotis Elliot

Field Columbian Mus., Zool. Ser., 3, p. 155, May 7, 1903.

Onychomys torridus macrotis Hollister, Proc. U. S. Nat. Mus., 47, p. 469, October 29, 1914.

10283. Skin and skull. Adult female. Head of San Antonio River, west slope of San Pedro Mártir Mountains, Lower California, Mexico. March 11, 1902. Collected by Edmund Heller. Original number 898.

Well-made skin in good condition; skull complete.

Onychomys pulcher Elliot

Field Columbian Mus., Zool. Ser., 3, p. 243, January 8, 1904.

O[nychomys] t[orridus] pulcher Hollister, Proc. Biol. Soc. Wash., 26, p. 215, December 20, 1913.

12377. Skin and skull. Adult female. Morongo Pass, San Bernardino Mountains, California. March 1, 1903. Collected by Edmund Heller. Original number 2042.

Well-made skin in good condition; skull complete.

Oryzomys andinus Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 156, April 20, 1914.

19430. Skin and skull. Adult male. Hacienda Llagueda, upper Rio Chicama, Department of Libertad, Peru. March 12, 1912. Collected by Wilfred H. Osgood and Malcolm P. Anderson. Original number 4525.

Well-made skin in good condition; skull complete.

Oryzomys chaparensis Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 205, October 31, 1916.

21330. Skin and skull. Adult male. Todos Santos, Chapare River, Bolivia. March 15, 1915. Collected by Robert H. Becker. Original number 779.

Well-made skin in good condition; skull complete.

***Oryzomys fulvescens engracias* Osgood**

Jour. Mamm., 26, p. 300, November 14, 1945.

54164. Skin and skull. Adult female. Hacienda Santa Engracia, northwest of Ciudad Victoria, Tamaulipas, Mexico. Altitude 240 meters. March 18, 1945. Collected by Wilfred H. Osgood. Original number 7496.

Well-made skin in good condition; skull complete.

***Oryzomys griseolus* Osgood**

Field Mus. Nat. Hist., Zool. Ser., 10, p. 49, January 10, 1912.

18635. Skin and skull. Adult male. Páramo de Tama, head of Rio Táchira, Santander, Venezuela. March 1, 1911. Collected by Wilfred H. Osgood and Stanley G. Jewett. Original number 4235.

Well-made skin in good condition; skull complete.

***Oryzomys jalapae apatelius* Elliot**

Field Columbian Mus., Zool. Ser., 3, p. 267, March 7, 1904.

- =*Oryzomys couesi couesi* Alston. See Goldman, N. Amer. Fauna, No. 43, p. 30, September 23, 1918.

13107. Skin and skull. Adult female. San Carlos, Veraacruz, Mexico. March 1, 1903. Collected by N. G. Buxton.

Well-made skin in good condition; skull complete.

***Oryzomys (Microrizomys) minutus altissimus* Osgood**

Field Mus. Nat. Hist., Zool. Ser., 20, p. 5, December 11, 1933.

24699. Skin and skull. Subadult female. La Quinoa, Department of Huánuco, Peru. May 14, 1922. Collected by Edmund Heller. Original number 6062.

Well-made skin in good condition; skull complete.

***Oryzomys molestus* Elliot**

Field Columbian Mus., Zool. Ser., 3, p. 145, March 20, 1903.

- =*Oryzomys couesi albiventer* Merriam. See Goldman, N. Amer. Fauna, No. 43, p. 38, September 23, 1918.

8667. Skin and skull. Adult male. Ocotlan, Jalisco, Mexico. June, 1901. Collected by F. E. Lutz.

Well-made skin in good condition; skull complete.

***Oryzomys polius* Osgood**

Field Mus. Nat. Hist., Zool. Ser., 10, p. 97, May 31, 1913.

19765. Skin and skull. Adult female. Tambo Carrizal, mountains east of Balsas, Department of Amazonas, Peru. May 18, 1912. Collected by Wilfred H. Osgood and Malcolm P. Anderson. Original number 4742.

Well-made skin in good condition but somewhat greasy; skull complete.

***Oryzomys stolzmanni maranonicus* Osgood**

Field Mus. Nat. Hist., Zool. Ser., 10, p. 155, April 20, 1914.

19449. Skin and skull. Adult male. Hacienda Limon, near Balsas, Marañon River, Department of Amazonas, Peru. May 7, 1912. Collected by Wilfred H. Osgood and Malcolm P. Anderson. Original number 4686.

Well-made skin in good condition; skull complete.

***Oryzomys xantheolus ica* Osgood**

Field Mus. Nat. Hist., Zool. Ser., 29, p. 192, July 12, 1944.

53157. Skin and skull. Adult female. Hacienda San Jacinto, near Ica, Department of Ica, Peru. January 17, 1943. Collected by Colin C. Sanborn. Original number 3048.

Well-made skin in good condition; skull complete.

***Otodylomys connectens* Sanborn**

Field Mus. Nat. Hist., Zool. Ser., 20, p. 82, May 15, 1935.

42044. Skin and skull. Adult male. Coban, Alta Verapaz, Guatemala. March 27, 1934. Collected by F. J. W. Schmidt. Original number 4308.

Well-made skin in good condition; skull complete.

***Otodylomys phyllotis australis* Osgood**

Field Mus. Nat. Hist., Zool. Ser., 18, p. 145, August 3, 1931.

35177. Skin and skull. Subadult male. San Gerónimo, near Pozo Azul de Pirris, western Costa Rica. April 17, 1931. Collected by Cecil F. Underwood. Original number 313.

Well-made skin in good condition; skull lacks left zygoma.

Oxymycterus misionalis Sanborn

Proc. Biol. Soc. Wash., **44**, p. 1, February 21, 1931.

26756. Skin and skull. Old adult female. Rio Paranáy, an affluent of the Rio Parana, near Caraguatáy, Misiones Territory, Argentina. September 15, 1926. Collected by Colin C. Sanborn. Original number 1242.

Well-made skin in good condition; skull complete.

Oxymycterus paramensis nigrifrons Osgood

Field Mus. Nat. Hist., Zool. Ser., **29**, p. 197, July 12, 1944.

52629. Skin and skull. Adult female. Limbani, Department of Puno, Peru. September 29, 1941. Collected by Colin C. Sanborn. Original number 2878.

Well-made skin in good condition; skull complete.

Peromyscus akeleyi Elliot

Field Columbian Mus., Zool. Ser., **1**, p. 226, February 2, 1899.

- = *Peromyscus maniculatus austerus* Baird. See Osgood, N. Amer. Fauna, No. 28, p. 63, April 17, 1909.

5940. Skin and skull. Subadult male. Johnson's Ranch, Elwha River, Olympic Mountains, Washington. July 31, 1898. Collected by D. G. Elliot.

Well-made skin in good condition; skull lacks zygomatic arches.

Peromyscus catalinae Elliot

Field Columbian Mus., Zool. Ser., **3**, p. 160, May 2, 1903.

- Peromyscus maniculatus catalinae* Osgood, N. Amer. Fauna, No. 28, p. 97, April 17, 1909.

11017. Skin and skull. Adult male. Santa Catalina Island, California. February 6, 1903. Collected by J. Rowley. Original number 86.

Well-made skin in good condition; skull broken on right side of brain case.

Peromyscus dyselii Elliot

Field Columbian Mus., Zool. Ser., **1**, p. 207, April 11, 1898.

- = *Peromyscus truei gilberti* Allen. See Osgood, N. Amer. Fauna, No. 28, p. 169, April 17, 1909.

3562. Skin and skull. Adult male. Portola, San Mateo County, California. December 23, 1895. Collected by W. W. Price and — Coolidge. Original number 24.

Well-made skin in good condition; skull missing.

Original label not found; specimen bears red type label of Elliot.

Peromyscus gaurus Elliot

Field Columbian Mus., Zool. Ser., 3, p. 157, May 2, 1903.

= *Peromyscus boylei rowleyi* Allen. See Osgood, N. Amer. Fauna, No. 28, p. 145, April 17, 1909.

10150. Skin and skull. Adult female. San Antonio, San Pedro Mártir Mountains, Lower California, Mexico. June 3, 1902. Collected by Edmund Heller. Original number 1162.

Well-made skin in good condition; skull with left zygomatic arch incomplete.

Peromyscus hemionotis Elliot

Field Columbian Mus., Zool. Ser., 3, p. 157, May 2, 1903.

= *Peromyscus truei martirensis* Allen. See Osgood, N. Amer. Fauna, No. 28, p. 171, April 17, 1909.

10156. Skin and skull. Adult male. Rosarito Divide, San Pedro Mártir Mountains, Lower California, Mexico. Altitude 5,000 feet. July 11, 1902. Collected by Edmund Heller. Original number 1296.

Well-made skin in good condition; skull complete.

Peromyscus homochroia Elliot

Field Columbian Mus., Zool. Ser., 3, p. 158, May 2, 1903.

= *Peromyscus eremicus fraterculus* Miller. See Osgood, N. Amer. Fauna, No. 28, p. 243, April 17, 1909.

10114. Skin and skull. Adult male. San Quentin, Lower California, Mexico. July 23, 1902. Collected by Edmund Heller. Original number 1303.

Well-made skin in good condition; skull complete.

Peromyscus labecula Elliot

Field Columbian Mus., Zool. Ser., 3, p. 143, March 20, 1903.

Peromyscus maniculatus labecula Osgood, N. Amer. Fauna, No. 28, p. 87, April 17, 1909.

8693. Skin and skull. Adult (not sexed). Ocotlan, Jalisco, Mexico. June, 1901. Collected by F. E. Lutz. Original number 503.

Skin in fair condition; tail bone in skin; skin gone from around left eye; skull lacks both zygomatic arches.

Peromyscus lasius Elliot

Field Columbian Mus., Zool. Ser., 3, p. 265, March 7, 1904.

= *Peromyscus truei* Shufeldt. See Osgood, N. Amer. Fauna, No. 28, p. 165, April 17, 1909.

12034. Skin and skull. Adult female. Hannopee Canyon, Panamint Mountains, Inyo County, California. May 12, 1903. Collected by Edmund Heller. Original number 2489.

Well-made skin in good condition; skull lacks zygomatic arch on left side.

Peromyscus metallicola Elliot

Field Columbian Mus., Zool. Ser., 3, p. 245, January 7, 1904.

- =*Peromyscus boylei rowleyi* Allen. See Osgood, N. Amer. Fauna, No. 28, p. 145, April 17, 1909.

11058. Skin and skull. Adult male. Providentia Mines, State of Sonora, Mexico. March 25, 1903. Collected by J. Rowley. Original number 23.

Well-made skin in good condition; skull complete.

Peromyscus montipinoris Elliot

Field Columbian Mus., Zool. Ser., 3, p. 264, March 7, 1904.

- =*Peromyscus truei* Shufeldt. See Osgood, N. Amer. Fauna, No. 28, p. 166, April 17, 1909.

12267. Skin and skull. Adult male. Lockwood Valley, Mount Pinos, Ventura County, California. October 5, 1903. Collected by Edmund Heller. Original number 3250.

Well-made skin in good condition; skull complete.

Peromyscus oresterus Elliot

Field Columbian Mus., Zool. Ser., 3, p. 159, May 2, 1903.

- =*Peromyscus maniculatus sonoriensis* Le Conte. See Osgood, N. Amer. Fauna, No. 28, p. 89, April 17, 1909.

10135. Skin and skull. Adult female. Vallecitos, San Pedro Mártir Mountains, Lower California, Mexico. September 28, 1902. Collected by Edmund Heller. Original number 1675.

Well-made skin in good condition; skull complete.

Peromyscus parasiticus Elliot

Field Columbian Mus., Zool. Ser., 3, p. 244, January 7, 1904.

- =*Peromyscus boylei rowleyi* Allen. See Osgood, N. Amer. Fauna, No. 28, p. 145, April 17, 1909.

11981. Skin and skull. Adult male. Lone Pine, Inyo County, California. June 6, 1903. Collected by Edmund Heller. Original number 2651.

Well-made skin in good condition; skull complete.

Peromyscus pavidus Elliot

Field Columbian Mus., Zool. Ser., 3, p. 142, March 20, 1903.

= *Peromyscus truei gratus* Merriam. See Osgood, N. Amer. Fauna, No. 28, p. 173, April 17, 1909.

8895. Skin and skull. Adult female. Patzcuaro, Michoacan, Mexico. May, 1901. Collected by F. E. Lutz. Original number 42.

Well-made skin in good condition; skull lacks posterior half.

The type skull is badly broken and without a brain case so Elliot must have based his description of the skull on all of the five specimens in the series, for he mentions "a very broad brain case; mastoid width the greatest."

Peromyscus perfulvus Osgood

Jour. Mamm., 26, p. 299, November 14, 1945.

52041. Skin and skull. Adult male. Ten kilometers west of Apatzingan, Michoacan, Mexico. August 10, 1941. Collected by Frank C. Wonder. Original number 1263.

Well-made skin in good condition; skull complete.

Peromyscus perimekurus Elliot

Field Columbian Mus., Zool. Ser., 3, p. 156, May 2, 1903.

= *Peromyscus maniculatus rubidus* Osgood. See Osgood, N. Amer. Fauna, No. 28, p. 65, April 17, 1909.

9145. Skin and skull. Adult female. Goldbeach, mouth of Rogue River, Curry County, Oregon. October 10, 1901. Collected by Edmund Heller. Original number 595.

Well-made skin in good condition; skull lacks posterior half of left zygomatic arch.

Peromyscus petraius Elliot

Field Columbian Mus., Zool. Ser., 3, p. 244, January 7, 1904.

= *Peromyscus crinitus stephensi* Mearns. See Osgood, N. Amer. Fauna, No. 28, p. 232, April 17, 1909.

12066. Skin and skull. Adult female. Lone Pine, Inyo County, California. June 9, 1903. Collected by Edmund Heller. Original number 2689.

Well-made skin in good condition; skull complete.

Peromyscus sagax Elliot

Field Columbian Mus., Zool. Ser., 3, p. 142, March 20, 1903.

= *Peromyscus boylii levipes* Merriam. See Hoffmeister, Journ. Mamm., 27, p. 278, August 14, 1946.

8699. Skin and skull. Immature male. La Palma, Michoacan, Mexico. June, 1901. Collected by F. E. Lutz. Original number 105.

Well-made skin in good condition; skull complete.

According to Hoffmeister (*supra cit.*), when adult specimens from La Palma are available, they may prove to be referable to *P. b. evides* Osgood from Los Reyes, south-southeast of La Palma. If so, *evides* Osgood would become a synonym of *Peromyscus boylii sagax* Elliot.

Phenacomys olympicus Elliot

Field Columbian Mus., Zool. Ser., 1, p. 225, February 2, 1899.

6187. Skin and skull. Adult male. Happy Lake, Clallam County, Olympic Mountains, Washington. Altitude 5,000 feet. August 14, 1898. Collected by D. G. Elliot.

Well-made skin, ears loose but complete; skull complete.

Phyllotis andium stenops Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 165, April 20, 1914.

19840. Skin and skull. Adult male. Rio Utcubamba, fifteen miles above Chachapoyas, Department of Amazonas, Peru. May 30, 1912. Collected by Wilfred H. Osgood and Malcolm P. Anderson. Original number 4805.

Well-made skin in good condition; skull complete.

Phyllotis (Auliscomys) micropus fumipes Osgood

Field Mus. Nat. Hist., Zool. Ser., 30, p. 214, December 28, 1943.

23292. Skin and skull. Subadult male. Quellon, Chiloe Island, Chile. December 23, 1922. Collected by Wilfred H. Osgood. Original number 5459.

Well-made skin in good condition; skull complete.

Phyllotis darwini fulvescens Osgood

Field Mus. Nat. Hist., Zool. Ser., 30, p. 204, December 28, 1943.

50550. Skin and skull. Adult female. Sierra Nahuelbuta, west of Angol, Province of Malleco, Chile. November 8, 1939. Collected by Wilfred H. Osgood. Original number 7072.

Well-made skin in good condition; skull lacks foramen magnum, bullae, and part of brain case.

Phyllotis definitus Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 189, October 22, 1915.

21125. Skin and skull. Adult male. Macate, fifty miles northeast of Chimbote, Department of Ancash, Peru. February 14, 1914. Collected by Malcolm P. Anderson. Original number 216.

Well-made skin in good condition; skull complete.

Phyllotis phaeus Osgood

Field Mus. Nat. Hist., Zool. Ser., 29, p. 193, July 12, 1944.

53177. Skin and skull. Adult male. Limbani, Department of Puno, Peru. Altitude 9,000 feet. February 23, 1942. Collected by Colin C. Sanborn. Original number 3084.

Well-made skin in good condition; skull complete.

Phyllotis tamborum Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 165, April 20, 1914.

19838. Skin and skull. Adult female. Tambo Carrizal, mountains east of Balsas, Department of Amazonas, Peru. Collected by Wilfred H. Osgood and Malcolm P. Anderson. Original number 4745.

Well-made skin in good condition; skull complete.

Punomys lemminus Osgood

Jour. Mamm., 24, p. 369, pl. 1 (skull), August 18, 1943.

49710. Skin and skull. Adult female. San Antonio de Esquilache, Department of Puno, Peru. Altitude 15,000 feet. September 21, 1939. Collected by Colin C. Sanborn. Original number 2191.

Well-made skin in good condition; skull complete.

Reithrodontomys amoenus Elliot

Proc. Biol. Soc. Wash., 18, p. 234, December 9, 1905.

14064. Skin and skull. Adult female. Reforma, Oaxaca, Mexico. April 6, 1904. Collected by Edmund Heller. Original number 3823.

Well-made skin; lacks right ear and small patch of skin around right eye. Skull cracked across interorbital region; lacks part of brain case on left under side.

Reithrodontomys chrysotis Elliot

Field Columbian Mus., Zool. Ser., 1, p. 281, May 17, 1899.

- =*Reithrodontomys fulvescens aurantius* Allen. See Howell, N. Amer. Fauna, No. 36, p. 48, June 5, 1914.

6766. Skin and skull. Adult male. Dougherty, Washita River, Murray County, Oklahoma. April 12, 1899. Collected by Thaddeus Surber. Original number 190.

Well-made skin in good condition; skull complete.

Rhithrodontomys catalinae Elliot

Field Columbian Mus., Zool. Ser., 3, p. 246, January 8, 1904.

- Reithrodontomys megalotis catalinae* Grinnell, Proc. Calif. Acad. Sci., (4), 3, p. 304, August 28, 1913.

11047. Skin and skull. Adult male. Santa Catalina Island, California. February 4, 1903. Collected by J. Rowley. Original number 80.

Well-made skin in good condition; skull lacks left lower side of brain case.

Rhithrodontomys inexpectatus Elliot

Field Columbian Mus., Zool. Ser., 3, p. 145, March 20, 1903.

- =*Reithrodontomys fulvescens toltecus* Merriam. See Howell, N. Amer. Fauna, No. 36, p. 51, June 5, 1914.

8691. Skin and skull. Adult male. Patzcuaro, Michoacan, Mexico. May, 1901. Collected by F. E. Lutz.

Well-made skin in good condition; skull lacks all of posterior under side. Skull stained green.

Rhithrodontomys peninsulae Elliot

Field Columbian Mus., Zool. Ser., 3, p. 164, May 7, 1903.

- Reithrodontomys megalotis peninsulae* Howell, N. Amer. Fauna, No. 36, p. 35, June 5, 1914.

10375. Skin and skull. Adult female. San Quentin, Lower California, Mexico. August 2, 1902. Collected by Edmund Heller. Original number 1422.

Well-made skin in good condition; skull lacks left posterior side including palate, bulla, and foramen magnum.

Rhipidomys fulviventris elatturus Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 140, April 8, 1914.

18691. Skin and skull. Adult male. Páramo de Tama, head of Rio Táchira, Santander, Venezuela. March 3, 1911. Collected by Wilfred H. Osgood and Stanley G. Jewett. Original number 4252.

Well-made skin in good condition; skull complete.

Scotinomys teguina rufoniger Sanborn

Field Mus. Nat. Hist., Zool. Ser., 20, p. 84, May 15, 1935.

22387. Skin and skull. Adult female. Mountains west of San Pedro, northwestern Honduras. April 1, 1923. Collected by Karl P. Schmidt and Leon L. Walters. Original number 51.

Well-made skin in good condition; skull complete.

Sigmodon hispidus inexoratus Elliot

Field Columbian Mus., Zool. Ser., 3, p. 144, March 20, 1903.

8651. Skin and skull. Adult male. Ocotlan, Jalisco, Mexico. June, 1901. Collected by F. E. Lutz.

Well-made skin in good condition; skull complete.

Sigmodon hispidus insulicola Howell

Proc. Biol. Soc. Wash., 56, p. 74, June 16, 1943.

48679. Skin and skull. Adult male. Captive Island, Lee County, Florida. February 25, 1939. Collected by Wilfred H. Osgood. Original number 7057.

Well-made skin in good condition; skull complete.

Tatera minuscula Osgood

Field Mus. Nat. Hist., Zool. Ser., 20, p. 230, December 28, 1936.

28863. Skin and skull. Adult female. Sheik Hussein, near Webbi Shebeli River, Bale, Ethiopia. Altitude 5,000 feet. December 14, 1926. Collected by Alfred M. Bailey. Original number 318.

Well-made skin in good condition; skull complete.

Teonoma cinerea acraia Elliot

Field Columbian Mus., Zool. Ser., 3, p. 247, January 7, 1904.

- =*Neotoma cinerea* Ord. See Goldman, N. Amer. Fauna, No. 31, p. 95, October 19, 1910.

12850. Skin and skull. Adult female. Hot Springs, Long Canyon, Mount Whitney, Inyo County, California. Altitude 8,000 feet. July 31, 1903. Collected by Edmund Heller. Original number 2983.

Well-made skin in good condition; skull complete.

Thomasomys cinereus ischyryus Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 162, April 20, 1914.

19803. Skin and skull. Adult male. Tambo Almirante, near Ucheo, Department of Amazonas, Peru. June 23, 1912. Col-

lected by Wilfred H. Osgood and Malcolm P. Anderson. Original number 4863.

Well-made skin in good condition; skull complete.

Thomasomys hylophilus Osgood

Field Mus. Nat. Hist., Zool. Ser., **10**, p. 50, January 10, 1912.

18583. Skin and skull. Adult male. Páramo de Tama, head of Rio Táchira, Santander, Colombia. February 18, 1911. Collected by Wilfred H. Osgood and Stanley G. Jewett. Original number 4188.

Well-made skin in good condition; skull complete.

Thomasomys pictipes Osgood

Field Mus. Nat. Hist., Zool. Ser., **20**, p. 11, December 11, 1933.

26814. Skin and skull. Adult male. Caraguatáy, Rio Parana, Misiones Territory, Argentina. September 6, 1926. Collected by Colin C. Sanborn. Original number 1176.

Well-made skin in good condition; skull complete.

Family RHIZOMYIDAE

Tachyoryctes cheesemani gallarum Osgood

Field Mus. Nat. Hist., Zool. Ser., **20**, p. 233, December 28, 1936.

28808. Skin and skull. Adult male. Mount Albasso, northeastern Chilalo Mountains, Arusi, Ethiopia. Altitude 10,700 feet. November 11, 1926. Collected by Alfred M. Bailey. Original number 119.

Well-made skin in good condition; skull complete.

Tachyoryctes splendens canicaudus Osgood

Field Mus. Nat. Hist., Zool. Ser., **20**, p. 232, December 28, 1936.

28822. Skin and skull. Adult male. Sirre, Awash Valley, northern Arusi, Ethiopia. Altitude 7,000 feet. November 5, 1926. Collected by Wilfred H. Osgood. Original number 5975.

Well-made skin in good condition; skull lacks last molar on left side.

Family MURIDAE

Arvicanthis abyssinicus fluvicinctus Osgood

Field Mus. Nat. Hist., Zool. Ser., **20**, p. 251, December 28, 1936.

27994. Skin and skull. Adult male. Bichana, Gojjam, Ethiopia. February 23, 1927. Collected by Wilfred H. Osgood. Original number 6290.

Well-made skin in good condition; skull complete.

***Arvicanthis barbarus albolineatus* Osgood**

Field Mus. Nat. Hist., Zool. Ser., 10, p. 11, February 19, 1910.

Lemniscomys barbarus albolineatus Hollister, Bull. U. S. Nat. Mus., 99, pt. 2, p. 144, May 16, 1919.

17194. Skin and skull. Adult female. Ulukeny Hill, near Machakos, Kenya Colony. December 14, 1905. Collected by Edmund Heller. Original number 233.

Well-made skin in good condition; skull complete.

***Arvicanthis barbarus convictus* Osgood**

Field Mus. Nat. Hist., Zool. Ser., 10, p. 10, February 19, 1910.

Lemniscomys barbarus convictus Hollister, Bull. U. S. Nat. Mus., 99, pt. 2, p. 146, May 16, 1919.

17206. Skin and skull. Adult male. Voi, Kenya Colony. April 16, 1906. Collected by Edmund Heller. Original number 806.

Well-made skin in good condition; skull complete.

***Arvicanthis dorsalis maculosus* Osgood**

Field Mus. Nat. Hist., Zool. Ser., 10, p. 17, April 7, 1910.

Lemniscomys griselda maculosus Hollister, Bull. U. S. Nat. Mus., 99, pt. 2, p. 136, May 16, 1919.

17265. Skin and skull. Adult male. Voi, Kenya Colony. April 22, 1906. Collected by Edmund Heller. Original number 840.

Well-made skin in good condition; skull complete.

***Cricetomys gambianus kenyensis* Osgood**

Field Mus. Nat. Hist., Zool. Ser., 10, p. 9, February 19, 1910.

17517. Skin and skull. Adult male. South side of Mount Kenya, Kenya Colony. September, 1906. Collected by Carl E. Akeley. Original number 334.

Flat, tanned skin in good condition; skull complete.

***Dacnomys millardi ingens* Osgood**

Field Mus. Nat. Hist., Zool. Ser., 18, p. 315, August 19, 1932.

31986. Skin and skull. Adult female. Phong Saly, Laos, French Indo-China. May 1, 1929. Collected by Russell W. Hendee. Original number 5485.

Well-made skin in good condition; skull complete.

***Dasymys incomptus griseifrons* Osgood**

Field Mus. Nat. Hist., Zool. Ser., 20, p. 255, December 28, 1936.

28642. Skin and skull. Adult female. Southwest side of Lake Tana, near Dungulbar, Gojjam, Ethiopia. April 1, 1927. Collected by Wilfred H. Osgood. Original number 6460.

Well-made skin in good condition; skull complete.

***Dendromus insignis abyssinicus* Osgood**

Field Mus. Nat. Hist., Zool. Ser., 20, p. 235, December 28, 1936.

28656. Skin and skull. Adult male. Mount Albasso, Chilalo Mountains, Arusi, Ethiopia. Altitude 11,000 feet. November 9, 1926. Collected by Wilfred H. Osgood. Original number 5993.

Well-made skin in good condition; bulla on left side and part of brain case are missing.

***Dendromus lunaris* Osgood**

Field Mus. Nat. Hist., Zool. Ser., 20, p. 235, December 28, 1936.

26229. Skin and skull. Adult female. Kalongi, Butagu Valley, west slope of Mount Ruwenzori, Belgian Congo. Altitude 7,000 feet. January 20, 1925. Collected by Edmund Heller. Original number 8437.

Well-made skin in good condition; skull complete.

***Dendromus nairobae* Osgood**

Field Mus. Nat. Hist., Zool. Ser., 10, p. 7, February 19, 1907.

16709. Skin and skull. Adult male. Nairobi, Kenya Colony. November 6, 1905. Collected by Edmund Heller. Original number 87.

Well-made skin in good condition; skull lacks most of posterior third.

***Dendromus ochropus* Osgood**

Field Mus. Nat. Hist., Zool. Ser., 10, p. 6, February 19, 1910.

16715. Skin and skull. Immature male. Lake Elementeita, Kenya Colony. February 11, 1906. Collected by Edmund Heller. Original number 625.

Well-made skin in good condition; skull complete.

***Dendromus oreas* Osgood**

Field Mus. Nat. Hist., Zool. Ser., 20, p. 236, December 28, 1936.

42645. Skin and skull. Adult male. Southwest side of Mount Cameroon, Cameroon Mandate, British Nigeria. Altitude

9,000 feet. July 4, 1934. Collected by Rudyerd and Laura Boulton. Original number 69.

Well-made skin in good condition; skull complete but bullae broken off.

Dendromus whytei pallescens Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 7, February 19, 1910.

16710. Skin and skull. Adult male. Ulukeny Hill, near Machakos, Kenya Colony. December 28, 1905. Collected by Edmund Heller. Original number 308.

Well-made skin in good condition; skull lacks zygomatic arch on left side.

Collector's note: "Taken from a nest in a thornbush."

Hybomys univittatus badius Osgood

Field Mus. Nat. Hist., Zool. Ser., 20, p. 254, December 28, 1936.

42643. Skin and skull. Adult male. Southwest slope of Mount Cameroon, Cameroon Mandate, British Nigeria. Altitude 5,800 feet. June 29, 1934. Collected by Rudyerd and Laura Boulton. Original number 45.

Well-made skin in good condition; skull lacks one bulla and part of pterygoid region.

Hylomyscus aeta laticeps Osgood

Field Mus. Nat. Hist., Zool. Ser., 20, p. 247, December 28, 1936.

42644. Skin and skull. Adult male. Mount Cameroon, Cameroon Mandate, British Nigeria. Altitude 5,800 feet. June 25, 1934. Collected by Rudyerd and Laura Boulton. Original number 30.

Well-made skin in good condition; skull complete.

Lophuromys aquilus chrysopus Osgood

Field Mus. Nat. Hist., Zool. Ser., 20, p. 242, December 28, 1936.

28592. Skin and skull. Adult male. Allata, Sidamo, Ethiopia. Altitude about 6,000 feet. December 19, 1926. Collected by Wilfred H. Osgood. Original number 6136.

Well-made skin in good condition; skull complete.

Lophuromys brevicaudus Osgood

Field Mus. Nat. Hist., Zool. Ser., 20, p. 241, December 28, 1936.

28573. Skin and skull. Adult female. Mount Albasso, Chilalo Mountains, Arusi, Ethiopia (northeast side of mountains at edge of tree heather). Altitude 10,700 feet. November 13, 1926. Collected by Wilfred H. Osgood. Original number 6014.

Well-made skin in good condition; skull complete.

Lophuromys flavopunctatus simensis Osgood

Field Mus. Nat. Hist., Zool. Ser., **20**, p. 238, December 28, 1936.

28550. Skin and skull. Adult male. Ras Dashan (Mount Geech), Simien Mountains, northeastern Ethiopia. Altitude 11,200 feet. March 27, 1927. Collected by Alfred M. Bailey. Original number 683.

Well-made skin in good condition; skull complete.

Muriculus imberbis chilaloensis Osgood

Field Mus. Nat. Hist., Zool. Ser., **20**, p. 245, December 28, 1936.

28669. Skin and skull. Adult female. Mount Albasso, Chilalo Mountains, Arusi, Ethiopia. November 14, 1926. Collected by Alfred M. Bailey. Original number 150.

Well-made skin in good condition; skull complete.

Mus niveiventris Osgood

Field Mus. Nat. Hist., Zool. Ser., **10**, p. 12, February 19, 1910.

- = *Myomys fumatus fumatus* Peters. Placed in synonymy by Hollister, Bull. U. S. Nat. Mus., **99**, pt. 2, p. 82, May 16, 1919.

17099. Skin and skull. Adult female. Voi, Kenya Colony. April 22, 1906. Collected by Edmund Heller. Original number 835.

Well-made skin in good condition; skull complete.

Mus niveiventris subfuscus Osgood

Field Mus. Nat. Hist., Zool. Ser., **10**, p. 12, February 19, 1910.

- Myomys fumatus subfuscus* Allen, Bull. Mus. Comp. Zool., **83**, p. 405, February 24, 1939.

16972. Skin and skull. Adult male. Lake Elementeita, Kenya Colony. February 9, 1906. Collected by Edmund Heller. Original number 621.

Well-made skin in good condition; skull complete.

Mus voi Osgood

Field Mus. Nat. Hist., Zool. Ser., **10**, p. 11, February 19, 1910.

- Aethomys chrysophilus voi* Allen, Bull. Mus. Comp. Zool., **83**, p. 369, February 24, 1939.

17062. Skin and skull. Adult male. Voi, Kenya Colony. April 22, 1906. Collected by Edmund Heller. Original number 836.

Well-made skin in good condition; skull complete.

Nilopegamys plumbeus Osgood

Field Mus. Nat. Hist., Zool. Ser., **12**, p. 185, November 21, 1928.

28633. Skin and skull. Adult male. Small stream tributary to the Little Abbai, between Sakalla and Njabarra, Gojjam, Ethiopia. Altitude 8,500 feet. March 20, 1927. Collected by Wilfred H. Osgood. Original number 6401.

Well-made skin in good condition; skull complete.

Otomys angoniensis elassodon Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 10, February 19, 1910.

16684. Skin and skull. Adult female. Naivasha, Kenya Colony. January 29, 1906. Collected by Edmund Heller. Original number 510.

Well-made skin in good condition; skull complete.

Otomys nyikae canescens Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 10, February 19, 1910.

16682. Skin and skull. Adult male. Kijabe, Kenya Colony. January 20, 1906. Collected by Edmund Heller. Original number 452.

Well-made skin in good condition; skull complete.

Otomys thomasi Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 9, February 19, 1910.

16698. Skin and skull. Adult female. Molo, Kenya Colony. March 16, 1906. Collected by Edmund Heller. Original number 703.

Well-made skin in good condition; skull complete.

Paraleptomys rufilatus Osgood

Fieldiana, Zool., 31, p. 1, September 19, 1945.

54236. Skin and skull. Adult male. Mount Dafonsero, Cyclops Mountains, northeastern Dutch New Guinea. Altitude 4,700 feet. April 21, 1945. Collected by Stanley G. Jewett, Jr. Original number 722.

Well-made skin in good condition; skull complete.

Rattus indosinicus Osgood

Field Mus. Nat. Hist., Zool. Ser., 18, p. 307, August 19, 1932.

31993. Skin and skull. Young male. Chapa, Tonkin, French Indo-China. February 15, 1929. Collected by Harold J. Coolidge. Original number 6.

Well-made skin in good condition; skull complete.

Thamnomys ibeanus Osgood

Field Mus. Nat. Hist., Zool. Ser., **10**, p. 8, February 19, 1910.

Thamnomys ibeanus ibeanus Hollister, Bull. U. S. Nat. Mus., **99**, pt. 2, p. 58, May 16, 1919.

17096. Skin and skull. Adult male. Molo, Kenya Colony. March 15, 1906. Collected by Edmund Heller. Original number 685.

Well-made skin in good condition; skull complete.

Thamnomys oblitus Osgood

Field Mus. Nat. Hist., Zool. Ser., **10**, p. 16, April 7, 1910.

Thamnomys macmillani oblitus Hollister, Bull. U. S. Nat. Mus., **99**, pt. 2, p. 63, May 16, 1919.

17123. Skin and skull. Adult female. Voi, Kenya Colony. April 14, 1906. Collected by Edmund Heller. Original number 772.

Well-made skin in good condition; skull complete.

Thamnomys surdaster polionops Osgood

Field Mus. Nat. Hist., Zool. Ser., **10**, p. 8, February 19, 1910.

17112. Skin and skull. Adult male. Ulukenya Hill, near Machakos, Kenya Colony. December 20, 1905. Collected by Edmund Heller. Original number 285.

Well-made skin in good condition; skull complete.

Vandeleuria dumeticola scandens Osgood

Field Mus. Nat. Hist., Zool. Ser., **18**, p. 320, August 19, 1932.

32452. Skin and skull. Adult male. Muong Boum, Tonkin, French Indo-China. March 22, 1929. Collected by Russell W. Hendee. Original number 5330.

Well-made skin in good condition; skull complete.

Family **GLIRIDAE****Graphiurus parvus dollmani** Osgood

Field Mus. Nat. Hist., Zool. Ser., **10**, p. 15, April 7, 1910.

16722. Skin and skull. Adult female. Ulukenya Hill, near Machakos, Kenya Colony. December 22, 1905. Collected by Edmund Heller. Original number 290.

Well-made skin in good condition; skull complete.

Family **ZAPODIDAE****Zapus alleni** Elliot

Field Columbian Mus., Zool. Ser., **1**, p. 212, April 19, 1898.

Zapus pacificus alleni Howell, Univ. Calif. Pub. Zool., **21**, p. 229, May 20, 1920.

4009. Skin and skull. Adult female. Pyramid Peak, Eldorado County, California. July 15, 1895. Collected by W. W. Price.
Well-made skin in good condition; skull complete.

Zapus imperator Elliot

Field Columbian Mus., Zool. Ser., 1, p. 228, February 2, 1899.

=*Zapus trinotatus* Rhoads. See Preble, N. Amer. Fauna, No. 15, p. 26, August 8, 1899.

6061. Skin and skull. Adult male. Sieg's Ranch, Elwah River, Clallam County, Washington. July 29, 1898. Collected by Daniel G. Elliot.

Well-made skin in good condition; skull complete.

Family CAVIIDAE

Cavia atahualpae Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 98, May 31, 1913.

19480. Skin and skull. Adult female. Cajamarca, Department of Cajamarca, Peru. April 14, 1912. Collected by Wilfred H. Osgood and Malcolm P. Anderson. Original number 4654.

Well-made skin in good condition; skull complete.

Cavia (Galea) wellsi Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 196, October 22, 1915.

Galea wellsi Thomas, Ann. Mag. Nat. Hist., (8), 18, p. 303, September, 1916.

20783. Skin and skull. Adult female. Sao Marcello, junction of Rio Preto and Rio Sapão, State of Bahia, Brazil. March 19, 1914. Collected by Robert H. Becker. Original number 533.

Well-made skin in good condition; skull complete.

Family DASYPROCTIDAE

Dasyprocta nigriclunis Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 192, October 22, 1915.

20746. Skin and skull. Subadult female. Sao Marcello, upper Rio Preto, State of Bahia, Brazil. March 23, 1914. Collected by Robert H. Becker. Original number 559.

Well-made skin in good condition; skull complete.

Family CAPROMYIDAE

Myocastor coypus melanops Osgood

Field Mus. Nat. Hist., Zool. Ser., 30, p. 132, December 28, 1943.

24338. Skin and skull. Subadult male. Quellon, Chiloe Island, Chile. January 30, 1923. Collected by Wilfred H. Osgood. Original number 5548.

Well-made skin in good condition; skull complete.

Family OCTODONTIDAE

Octodon lunatus Osgood

Field Mus. Nat. Hist., Zool. Ser., 30, p. 110, December 28, 1943.

23204. Skin and skull. Subadult male. Olmue, Province of Valparaiso, Chile. May 30, 1923. Collected by Colin C. Sanborn. Original number 334.

Well-made skin in good condition; skull complete.

In the original description the sex was given as female.

Spalacopus cyanus maulinus Osgood

Field Mus. Nat. Hist., Zool. Ser., 30, p. 115, December 28, 1943.

23010. Skin and skull. Adult male. Quirihue, Province of Maule, Chile. May 2, 1923. Collected by Colin C. Sanborn. Original number 279.

Well-made skin in good condition; skull complete.

Family CTENOMYIDAE

Ctenomys (Chacomys) conoveri Osgood

Fieldiana, Zool., 31, p. 47, August 30, 1946.

54356. Skin and skull. Adult female. Colonia Fernheim, 16 km. west of Filadelfia, Paraguayan Chaco. Approximately Long. 60° 10' W., Lat. 22° 15' S. July 8, 1945. Collected by Pedro Willim. Original number 48.

An over-stuffed skin in good condition; skull complete.

Ctenomys magellanicus dicki Osgood

Field Mus. Nat. Hist., Zool. Ser., 30, p. 123, December 28, 1943.

50734. Skin and skull. Adult male. Estancia Ponsonby, east end of Riesco Island, Magallanes, Chile. February 2, 1940. Collected by Colin C. Sanborn. Original number 2401.

Well-made skin in good condition; skull complete.

Ctenomys maulinus brunneus Osgood

Field Mus. Nat. Hist., Zool. Ser., 30, p. 125, December 28, 1943.

23215. Skin and skull. Subadult male. Rio Colorado, Province of Maule, Chile. Altitude 3,000 feet. February 5, 1924. Collected by Colin C. Sanborn. Original number 691.

Well-made skin in good condition; skull complete.

Family ECHIMYIDAE

***Proechimys cayennensis arescens* Osgood**

Field Mus. Nat. Hist., Zool. Ser., 29, p. 198, July 12, 1944.

26441. Skin and skull. Adult male. Roca, near Fazenda Inhuma, below Santa Philomena, upper Rio Parnahyba, State of Maranhão, Brazil. August 5, 1925. Collected by H. E. Sneathlage. Original number 155.

Well-made skin in good condition; skull complete.

***Proechimys hendeei elassopus* Osgood**

Field Mus. Nat. Hist., Zool. Ser., 29, p. 203, July 12, 1944.

52617. Skin and skull. Adult male. Santo Domingo Mine, near Rio Inambari, Department of Puno, Peru. Altitude 6,000 feet. October 18, 1941. Collected by Colin C. Sanborn. Original number 2969.

Well-made skin in good condition; skull complete.

***Proechimys hendeei nigrofulvus* Osgood**

Field Mus. Nat. Hist., Zool. Ser., 29, p. 199, July 12, 1944.

41463. Skin and skull. Adult male. Montalvo, Rio Bobonaza, southeast of Sarayacu, eastern Ecuador. February 18, 1932. Collected by Ramon E. Olalla. Original number 88.

Well-made skin in good condition; skull complete.

***Proechimys ochraceus* Osgood**

Field Mus. Nat. Hist., Zool. Ser., 10, p. 56, January 10, 1912.

18687. Skin and skull. Subadult male. El Panorama, Rio Aurare, east shore of Lake Maracaibo, State of Zulia, Venezuela. January 17, 1911. Collected by Wilfred H. Osgood and Stanley G. Jewett. Original number 4116.

Well-made skin in good condition; skull complete.

***Proechimys poliopus* Osgood**

Field Mus. Nat. Hist., Zool. Ser., 10, p. 141, April 8, 1914.

20525. Skin and skull. Subadult (not sexed). San Juan de Colon, State of Táchira, Venezuela. November 15, 1913. Collected by Malcolm P. Anderson. Original number 160.

Well-made skin in good condition; skull complete.

Order CARNIVORA

Family CANIDAE

Canis clepticus Elliot

Field Columbian Mus., Zool. Ser., 3, p. 225, August 15, 1903.

- Canis latrans clepticus* Nelson, Proc. Biol. Soc. Wash., 45, p. 224, November 26, 1932.

10919. Skin and skull. Adult female. Vallecitos, San Pedro Mártir Mountains, Lower California, Mexico. Altitude 9,000 feet. September 26, 1902. Collected by Edmund Heller. Original number 1667.

Tanned, flat skin in good condition; skull complete.

Canis pambasileus Elliot

Proc. Biol. Soc. Wash., 18, p. 79, February 21, 1905.

- Canis lupus pambasileus* Pocock, Proc. Zool. Soc. Lond., p. 673, 1935.

13481. Skin and skull. Adult (not sexed). Sustina River, region of Mount McKinley, Alaska. 1904. Purchased from C. F. Periclat.

Flat, tanned skin in good condition; skull lacks lower half of left bulla.

Urocyon cinereo-argenteus costaricensis Goodwin

Amer. Mus. Nov., No. 987, p. 2, May 13, 1938.

35170. Skin and skull. Adult male. Savanilla de Pirris, town on Pacific coast range near Rio Grande de Pirris, Department of San José, Costa Rica. Altitude about 500 feet. April 2, 1931. Collected by Cecil F. Underwood. Original number 218.

Well-made skin in good condition; skull complete.

Urocyon cinereo-argenteus fraterculus Elliot

Field Columbian Mus., Zool. Ser., 1, p. 80, June 11, 1896.

1160. Skin and skull. Adult male. San Felipe, Yucatan, Mexico. June 3, 1893. Collected by H. H. Brown.

Well-made skin in good condition; skull complete.

The skin and lower jaw of the young specimen mentioned in the original description have been discarded or lost.

Urocyon cinereo-argenteus inyoensis Elliot

Field Columbian Mus., Zool. Ser., 3, p. 268, March 7, 1904.

= *Urocyon cinereo-argenteus scotti* Mearns. See Grinnell, Proc. Calif. Acad. Sci., (4), 3, p. 288, August 28, 1913.

11755. Skin and skull. Adult male. Beveridge Canyon, Inyo Mountains, Inyo County, California. August 21, 1903. Collected by Edmund Heller. Original number 3066.

Well-made skin in good condition; skull complete.

Vulpes arsipus Elliot

Field Columbian Mus., Zool. Ser., 3, p. 256, January 7, 1904.

Vulpes macrotis arsipus Grinnell, Univ. Calif. Pub. Zool., 40, p. 109, September 26, 1933.

11757. Skin and skull. Adult male. Daggett, San Bernardino County, California. March 28, 1903. Collected by Edmund Heller. Original number 2276.

Well-made skin in good condition but tail missing except for about two inches; skull complete.

Family **URSIDAE****Ursus altifrontalis** Elliot

Field Columbian Mus., Zool. Ser., 3, p. 234, August 27, 1903.

Euarctos altifrontalis Miller, Bull. U. S. Nat. Mus., 128, p. 90, 1924.

7053. Skin and skull. Adult male. Shore of Lake Crescent, Clallam County, Washington. October, 1898. Collected by D. G. Elliot.

Flat, tanned skin in good condition; skull lacks middle upper incisors.

Ursus hylodromus Elliot

Field Columbian Mus., Zool. Ser., 3, p. 257, January 7, 1904.

19065. Skull only. Adult. Alberta, Northwest Territory, Canada. Purchased from G. F. Dippie.

Skull complete.

Ursus machetes Elliot

Field Columbian Mus., Zool. Ser., 3, p. 235, August 27, 1903.

Euarctos machetes Miller, Bull. U. S. Nat. Mus., 128, p. 92, 1924.

19064. Skin and skull. Adult. Casa Grande, Sierra Madre, Chihuahua, Mexico. 1902. Collected by L. C. Sanford.

Flat, tanned skin in good condition; skull with canines on left side broken.

Family PROCYONIDAE

Bassariscus albipes Elliot

Field Columbian Mus., Zool. Ser., 3, p. 258, January 8, 1904.

11095. Skin and skull. Adult male. Xico, near Veracruz, Mexico. March 29, 1903. Collected by N. G. Buxton.

Well-made skin in good condition; skull complete but with small hole in top of brain case.

Family MUSTELIDAE

Gulo hylaeus Elliot

Proc. Biol. Soc. Wash., 18, p. 81, February 21, 1905.

9883. Skin and skull. Adult (not sexed). Sustina River, region of Mount McKinley, Alaska. 1902. Purchased from C. F. Perolat.

Flat, tanned skin in good condition; skull complete.

Gulo luteus Elliot

Field Columbian Mus., Zool. Ser., 3, p. 260, January 7, 1904.

10942. Skin and skull. Immature male. "Crater Meadows" [=Groundhog Meadow, 8,700 feet] on "Whitney Creek" [Golden Trout Creek], [27 miles south of] "Mounty Whitney," Tulare County, California. July 1, 1903. Collected by Edmund Heller. Original number 2845.

Well-made skin in good condition; skull lacks right half of brain case.

Lutra periclyzomae Elliot

Proc. Biol. Soc. Wash., 18, p. 80, February 21, 1905.

17724. Skull only. Adult. Gawi, west coast of Moresby Island, Queen Charlotte Islands, British Columbia, Canada. May, 1901. Found by C. F. Newcombe.

Skull lacks right half and lower right side of brain case.

The number of the type was published as 491, the number of a *Peromyscus*. The correct number is given above.

Mephitis foetulenta Elliot

Field Columbian Mus., Zool. Ser., 1, p. 269, May 17, 1899.

= *Mephitis occidentalis spissigrada* Bangs. Placed in synonymy by Howell, N. Amer. Fauna, No. 20, p. 35, August 31, 1901.

6330. Skin and skull. Sub-adult (not sexed). Lagune, near Port Angeles, Clallam County, Washington. October 6, 1898. Collected by D. G. Elliot.

Flat, tanned skin in good condition; skull lacks one incisor, two upper premolars, and one lower molar.

Mustela americana kenaiensis Elliot

Field Columbian Mus., Zool. Ser., 3, p. 151, pl. 32 (skull), March 20, 1903.

Martes americana kenaiensis Miller, Bull. U. S. Nat. Mus., 79, p. 93, December 31, 1912.

9847. Skin and skull. Adult (not sexed). Kenai Peninsula, Alaska. Purchased from C. F. Periolat.

Well-made skin in good condition; skull with right zygomatic arch broken.

Mustela boria Elliot

Proc. Biol. Soc. Wash., 18, p. 139, April 18, 1905.

=*Martes americana actuosa* Osgood. See Preble, N. Amer. Fauna, No. 27, pp. 236-237, October 26, 1908.

13484. Skin and skull. Adult (not sexed). Lower Mackenzie River district, Canada, toward Arctic Ocean; exact locality unknown. 1904. Purchased from C. F. Periolat.

Well-made skin in good condition; skull lacks most of brain case.

Mustela frenata helleri Hall

Proc. Biol. Soc. Wash., 48, p. 143, August 22, 1935.

24133. Skin and skull. Adult male. Hacienda San Antonio, Rio Chinchao, Department of Huánuco, Peru. Altitude 3,000 feet. August 22, 1922. Collected by Edmund Heller. Original number 6589.

Well-made skin in good condition; skull complete.

Date collected given in original description as August 2.

Putorius macrophonus Elliot

Proc. Biol. Soc. Wash., 18, p. 235, December 9, 1905.

Mustela frenata macrophonus Hall, Carnegie Inst. Wash., Pub. No. 473, p. 109, November 20, 1936.

14063. Skin and skull. Adult male. Achotal, Veracruz, Mexico. January 15, 1904. Collected by Edmund Heller and Charles M. Barber. Original number 3424.

Well-made skin in good condition; skull complete.

The collector's number was published as 3474 instead of 3424.

Putorius vison melampeplus Elliot

Field Columbian Mus., Zool. Ser., 3, p. 170, May 2, 1903.

Mustela vison melampeplus Miller, Bull. U. S. Nat. Mus., 79, p. 102, December 31, 1912.

9844. Skin and skull. Adult male. Kenai Peninsula, Alaska. Purchased from C. F. Periolat.

Well-made skin in good condition; skull complete.

Spilogale arizonae martirensis Elliot

Field Columbian Mus., Zool. Ser., 3, p. 170, May 7, 1903.

10572. Skin and skull. Adult male. Vallecitos, San Pedro Mártir Mountains, Lower California, Mexico. September 23, 1902. Collected by Edmund Heller. Original number 1653.

Well-made skin in good condition; skull complete.

Spilogale olympica Elliot

Field Columbian Mus., Zool. Ser., 1, p. 270, fig. p. 272 (skull), May 19, 1899.

Spilogale phenax olympica Howell, N. Amer. Fauna, No. 26, p. 33, November 24, 1906.

6336. Skin and skull. Adult male. Lake Southerland, Clallam County, Olympic Mountains, Washington. October 18, 1898. Collected by D. G. Elliot.

Well-made skin in good condition; skull complete.

Family **VIVERRIDAE****Mungos ichneumon funestus** Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 17, April 7, 1910.

17808. Skin and skull. Adult female. Naivasha, Kenya Colony. February 1, 1906. Collected by Carl E. Akeley. Original number 199.

Flat, tanned skin in good condition; skull complete.

Family **FELIDAE****Felis concolor araucanus** Osgood

Field Mus. Nat. Hist., Zool. Ser., 30, p. 77, December 28, 1943.

50048. Skin and skull. Immature male. Fundo Maitenuhue, Sierra Nahuelbuta, west of Angol, Province of Malleco, Chile. January 3, 1940. Collected by Dillman S. Bullock.

Flat, tanned skin in good condition; skull complete.

Felis concolor floridana Cory

Hunting and Fishing in Florida, p. 109, 1896.

= *Felis concolor coryi* Bangs. Synonymized by Bangs, Proc. Biol. Soc. Wash., 13, p. 15, January 31, 1899.

1255. Skin only. Adult female. Okeechobee, northeast of Lake Hapata flats, Florida. April, 1895. Collected by Charles B. Cory.

Flat, tanned skin in good condition.

Felis concolor osgoodi Nelson and Goldman

Jour. Mamm., 10, p. 348, November 11, 1929.

25256. Skin and skull. Adult male. Buenavista, Santa Cruz, Bolivia. June 10, 1924. Collected by José Steinbach. Original number 1463.

Flat, tanned skin in good condition; skull lacks three lower incisors.

Felis guigna molinae Osgood

Field Mus. Nat. Hist., Zool. Ser., 30, p. 84, December 28, 1943.

24369. Skin and skull. Adult (not sexed). Vicinity of Valparaiso, Chile. Purchased December, 1922, by Colin C. Sanborn. Original number 585.

Dismounted and made into skin; lacks large patch of fur on rump; skull complete.

Felis onca boliviensis Nelson and Goldman

Jour. Mamm., 14, p. 229, August 17, 1933.

= *Panthera onca onca* Linnaeus. See Pocock, Nov. Zool., 41, p. 410, October, 1939.

34344. Skin and skull. Adult male. Buenavista, Santa Cruz, Bolivia. 1924. Collected by José Steinbach. Original number 1462.

Flat, tanned skin in good condition; skull complete.

Felis onca milleri Nelson and Goldman

Jour. Mamm., 14, p. 226, August 17, 1933.

= *Panthera onca palustris* Ameghino. See Pocock, Nov. Zool., 41, p. 416, October, 1939.

26552. Skin and skull. Adult female. Descalvados Ranch, State of Matto Grosso, Brazil. August 4, 1926. Collected by Mrs. Marshall Field.

Flat, tanned skin in good condition; skull complete but left upper canine chipped.

Order **HYRACOIDEA**Family **PROCAVIIDAE****Procavia brucei maculata** Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 6, February 19, 1910.

= *Heterohyrax syriacus hindei* Wroughton. See Hahn, Zeit. Säugetierk., 9, p. 276, December 30, 1934.

17504. Skin and skull. Adult male (Stage VIII). Ulukeny Hill, near Machakos, Kenya Colony. December 18, 1905. Collected by Mrs. Carl E. Akeley. Original number 34.

Flat, tanned skin in good condition; skull complete.

Procavia mackinderi zelotes Osgood

Field Mus. Nat. Hist., Zool. Ser., 10, p. 5, February 19, 1910.

= *Procavia habessinica jacksoni* Thomas. See Hahn, Zeit. Säugetierk., 9, p. 294, December 30, 1934.

17475. Skin and skull. Adult male (Stage VIII). Between Nainvasha and Kijabe, Kenya Colony. January 27, 1906. Collected by Carl E. Akeley. Original number 197.

Flat, tanned skin in good condition; skull complete.

Order **ARTIODACTYLA**Family **CERVIDAE****Cervus culionensis** Elliot

Field Columbian Mus., Zool. Ser., 1, No. 7, p. (not numbered), June, 1897.

= *Rusa calamianensis* Heude. See Hollister, Proc. U. S. Nat. Mus., 46, p. 339, December 31, 1913.

1155. Skin and skull. Adult male. Culion Island, Philippine Islands. Collected by Worcester and Bourns.

Flat, tanned skin in fairly good condition; skull broken; posterior half complete with horns in velvet, palate with toothrows and lower jaws complete, remainder in pieces.

Skin and skull 1156, paratype, complete and in good condition.

First described in Field Columbian Mus., Zool. Ser., 1, pp. 68-70, pls. 6, 7, June 11, 1896, but not named until June, 1897.

Cervus steeri Elliot

Field Columbian Mus., Zool. Ser., 1, p. 72, pls. 8-10 (head and skull), June 11, 1896.

= *Rusa nigricans* Brooke. See Hollister, Proc. U. S. Nat. Mus., 46, p. 339, December 31, 1913.

1154. Skin and skull with horns (skull missing). Basilan Island, Philippine Islands. Collected by J. B. Steere.

Flat, tanned skin in good condition; skull missing, horns in collection.

Mazama americana citus Osgood

Field Mus. Nat. Hist., Zool. Ser., **10**, p. 43, January 10, 1912.

18776. Skin and skull. Adult male. El Panorama, Rio Aurare, east shore of Lake Maracaibo, Zulia, Venezuela. January 19, 1911. Collected by Wilfred H. Osgood and Stanley G. Jewett. Original number 4128.

Flat, tanned skin in good condition; skull complete.

Muntiacus rooseveltorum Osgood

Field Mus. Nat. Hist., Zool. Ser., **18**, p. 332, August 19, 1932.

31783. Skin and skull. Subadult male. Muong Yo, Laos, French Indo-China. May 16, 1929. Collected by Harold J. Coolidge, Jr. Original number 89.

Flat, tanned skin in good condition; skull complete.

Odocoileus lasiotus Osgood

Field Mus. Nat. Hist., Zool. Ser., **10**, p. 136, April 8, 1914.

20198. Skin and skull. Adult male. Paramo de los Conejos, Sierra de Merida, Venezuela. August 10, 1912. Received from S. Briceno Gabeldon and Sons.

Flat, tanned skin in good condition; skull complete; horns in velvet, separate.

Odocoileus margaritae Osgood

Field Mus. Nat. Hist., Zool. Ser., **10**, p. 24, pls. 2, 3 (skull), October 20, 1910.

18137. Skin and skull. Adult male. Puerto Viejo, Margarita Island, Venezuela. May, 1910. Presented by C. Freeman.

Flat, tanned skin in good condition; skull complete; horns separate.

Family BOVIDAE

Nesotragus moschatus akeleyi Heller

Smiths. Misc. Coll., **61**, No. 7, p. 1, July 31, 1913.

17824. Skin and skull. Adult female. Southeast slope of Mount Kenya, Kenya Colony. Altitude 7,000 feet. 1906. Collected by Carl E. Akeley. Original number 342.

Flat, tanned skin in good condition; skull complete.

Oreamnus kennedyi Elliot

Field Columbian Mus., Zool. Ser., 3, p. 3, pls. 1-4 (skull), June 20, 1900.
19067. Scalp and skull. Adult male. Mountains at mouth of
Copper River, opposite Kyak Island, Alaska. September, 1899.
Collected by Vernon Shaw Kennedy.

Skull complete with horns, scalp missing.

Ovibos moschatus niphocetus Elliot. Plate 1.

Proc. Biol. Soc. Wash., 18, p. 135, April 18, 1905.

1267. Skin and skull. Adult male. Head of Wager River, North-
west Territory, Canada. Probably about 1895. Purchased
from Thomas Luce & Co., New Bedford, Massachusetts. Col-
lected by Eskimos.

Skin and horns mounted in 1897 in group with six others; skull complete.

Ovis cervina cremnobates Elliot

Field Columbian Mus., Zool. Ser., 3, p. 239, January 7, 1904.

10943. Skin and skull. Subadult female. Mattomi, San Pedro
Mártir Mountains, Lower California, Mexico. June 21, 1902.
Collected by Edmund Heller. Original number 1225.

Skull complete, but lower incisors broken. In tanning, skin mixed
with two other females of about same size. All three skins, acid burned
from tanning, are in bad condition.

ADDENDUM
Reithrodontomys megalotis pectoralis Hanson

Field Mus. Nat. Hist., Zool. Ser., 29, p. 205, October 26, 1944.

53840. Skin and skull. Adult female. Westpoint, Columbia
County, Wisconsin. October 18, 1941. Collected by Harold C.
Hanson. Original number 448.

Well-made skin in good condition; skull complete.

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ALASKA:

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