# CATALOG OF RECENT MAMMAL TYPES IN THE AMERICAN MUSEUM OF NATURAL HISTORY

MARIE A. LAWRENCE

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Marie A. Lawrence. Spring, 1987.

# PREFACE

"Here it is Guy, the first draft." Marie's loud declaration severed my concentration upon the computer screen and pulled my sight to a 4-inch stack of manuscript on the nearby table. "It's rough and needs some editing and corrections," she exclaimed, as her long fingers flipped through the pages, then straightened them until they shifted into the smooth-sided rectangle she desired, "and the index has yet to be done." The spark in her eyes, slight smile, and assertive pose at the table signaled, as they always did, her pleasure in accomplishing a long and difficult task assigned to her by the chairman. "But I am still working on the index; meanwhile, I need your comments and suggestions for the final touch." I thanked her. She quickly described some of her stylistic quirks and notations that peppered the manuscript and would be removed later, apologized for being in a rush due to an impending weekend visit with her mother, laughed at something she noticed out the window, and walked out of the office.

That was Friday afternoon. I never saw Marie again. Three days later, early in the morning of September 20, 1992, she became a memory. Her heart stopped. Those of her friends and colleagues began to ache.

Marie's manuscript is a catalog of mammal types held by the Department of Mammalogy at the American Museum of Natural History. The project began several years ago when I assigned her the responsibility of caretaker for the type collection with the charge to produce a new catalog documenting the mammal types. Marie flung herself into the project with her usual scholarly thoroughness, her vocal evaluations about the intelligence of certain taxonomists, and her voracious appetite for new information. The manuscript she presented to me did require corrections, additions, and general editing. I did what Marie had asked of me but not alone. Those cited in the Acknowledgments helped transform her manuscript into the present document. We did not do much—it remains her catalog. This preface is the final touch.

Guy G. Musser
March 18, 1993

# INTRODUCTION

Article 72g of the 1985 International Code of Zoological Nomenclature states that

> Holotypes, syntypes, lectotypes, and neotypes are the bearers of the scientific names of all animal taxa. They are the international standards of reference that provide objectivity in zoological nomenclature. They are held in trust for science by all zoologists and by the persons responsible for their safe keeping.

According to the International Code of Zoological Nomenclature, each museum holding type specimens in trust has the responsibility of making available to the scientific community a published catalog of the name-bearers in its care (Recommendation 72G, 1985).

A catalog of the mammal type specimens in the American Museum of Natural History was last published in 1953 (Goodwin, 1953). In the intervening 40 years, new taxa have been named based on types designated from the collection of mammals in the American Museum and the identities of other taxa have been clarified. Therefore, the status and synonymy of some names listed in the 1953 catalog do not reflect current taxonomic understanding of many mammal species or genera.

The present catalog lists the 1078 mammal type specimens (1062 holotypes, 2 syntypes, 11 lectotypes, 2 neotypes, and 1 paratype) now held by the American Museum of Natural History in the Department of Mammalogy as of 1993. The new information reflects not only the results of the taxonomic revisions during the last 40 years but also includes annotations about type specimens that have been identified as composites, and corrects errors that appeared in original publications. The new catalog also omits irrelevant information and amends mistakes and omissions that were published in the 1953 catalog.

Skin and skull measurements are a prime example of information found in the 1953 version that is not perpetuated in the new edition. Goodwin provided his measurements of each type specimen, but this information is best obtained directly by individual researchers who study the types.

Notable among the omissions are the type specimens from the Wied collection. Prince Maximillian zu Wied made collections of New World vertebrates in the first three decades of the 19th century. Between 1815 and 1817, he collected animals in Brazil that were new to Europeans, and were first described by the generation of zoologists that included Schinz, E. Geoffroy, Temminck, Kuhl, and Wied. Although some of the name-bearing specimens remained in the institutions of the original describer, Wied retained most of his collection. In 1870, the newly founded American Museum of Natural History purchased the entire Wied collection, approximately 6600 specimens, from his heirs (Lawrence, 1987). The collection contained 600 mammals, including eight type specimens described by Wied and one described by Kuhl, which were overlooked in the 1953 catalog. When Avila-Pires (1965) compiled a list of the Wied types, he was unable to locate *Midas chrysomelas* Kuhl (= *Leontopithecus rosalia chrysomelas* (Kuhl). This and the other eight Wied types are included in the present catalog.

## ACKNOWLEDGMENTS

The curatorial and support staff of the Department of Mammalogy—Sydney Anderson, Eric Brothers, Karl F. Koopman, Ross D. E. MacPhee, Guy G. Musser, Helmut G. Sommer, and Robert S. Voss—contributed their help in various ways, their opinions, and/or their taxonomic expertise. Eric, Karl, and Helmut deserve special mention. Eric generated the index and checked the entire document for errors. Karl evaluated the section on bats several times and helped resolve problems in other groups. Helmut rechecked the original collection and catalog data associated with each type against the information in each account, and also provided an independent evaluation of the condition of each type. Outside of the Department, Michael D. Carleton, Alfred L. Gardner, Robert S. Hoffmann, Rainer Hutterer, and James L. Patton reviewed parts of the manuscript; they examined sections more than once and I appreciate their time and their willingness to help me update the taxonomy. I am responsible for organization, presentation, and any errors.

## DEFINITIONS AND ORGANIZATION

The sequence of higher-level taxa (orders) reflects the phylogenetic hypotheses presented by Novacek (1990, 1992), Novacek and Wyss (1986), and Novacek et al. (1988). Families, subfamilies, genera, and species (along with subspecies in some accounts) are the subordinal taxa recognized and their sequence roughly follows Simpson (1945) except in the accounts of marsupials (Marshall et al., 1990), bats (Koopman, 1993), rodents in general (Carleton, 1984), geomyids and heteromyids (Wahlert, 1985; Hafner and Hafner, 1983), dormice and their position relative to dipodoids and muroids (Wahlert et al., 1993), muroid subfamiles (Carleton and Musser, 1984 and unpublished data), peromyscines and neotomines (Carleton, 1980, 1989), carnivores in general (Flynn et al., 1988; Wozencraft, 1989), procyonids (Decker and Wozencraft, 1991), and ruminant artiodactyls (Janis and Scott, 1987).

The entry for each type specimen includes: original scientific name, author, and citation of the original publication; current allocation of the name if there is a change from the original, and the author and citation of the change; type category (see below), American Museum of Natural History (AMNH) catalog number, preparation (skin, skull [includes cranium, mandible, and teeth], postcranial skeleton, complete or partial specimen in alcohol, or combinations of these elements), age class, and sex of the specimen; locality and date of collection; collector(s) and original number if known; present condition of the specimen; and explicit comments in a few accounts. Some of these categories are further explained below.

### Type Category

One of the following categories is given for each entry:

*Holotype*: the name-bearer designated in the original published description of the species-group taxon (Art. 73a, International Code of Zoological Nomenclature, 1985).

*Syntype*: specimens, for example cotypes, that were used as the basis of the orginal description and where no designation of a lectotype has been published (Art. 73b, International Code of Zoological Nomenclature, 1985).

*Lectotype*: a name-bearer designated in publication subsequent to the original description when the original author did not select a holotype (Art. 74, International Code of Zoological Nomenclature, 1985).

*Neotype*: identifies "another specimen to be the type (neotype) of a nominal species-group taxon if no holotype, lectotype, syntype, or prior neotype is believed to exist" (Art. 75, International Code of Zoological Nomenclature, 1985: 157).

*Paratype*: listed only in the account of *Chaerephon nigri* to designate a specimen originally listed as "cotype." To avoid misunderstandings, an author should not use the term "cotype" (Art. 73E, International Code of Zoological Nomenclature, 1985: 151).

### Locality

This division includes country, second-level geopolitical division (state, department, territory, province, or district), collection site, and altitude (if original was given in feet, its metric equivalent is provided in parentheses). The geographic name used is that given by the collector on the original specimen label. Where the locality information on the label is incomplete, the missing data, when known from field journals or expedition itineraries, is placed in parentheses. Current geographic names are also given in parentheses if the name on the label is no longer in use. Type localities are sometimes refined in the publication where the names of taxa are proposed and users should consult those reports.

The sources for the current names in South America are the Ornithological Gazetteers compiled by R. A. Paynter, M. A. Traylor, and others. Locality names for all other countries are from the latest edition available of Defense Mapping Agency's Gazetteers of Names approved by the United States Board on Geographic Names.

Chinese localities presented a special problem, as the collector's rendition of a locality depended on both the acuteness of his ear and his knowledge of Wade-Giles orthography. When possible, published and unpublished expedition maps and itineraries were compared with the eighth and ninth com-

prehensive edition of the Times Atlas of the World. Chinese localities I could not identify in this manner are listed as they appear on the label. The Defense Mapping Agency's Gazetteer of China (1990) was the source of Pinyin names.

All the gazetteers referred to above are listed individually in the References.

### Collector

The collector is the name of the person who collected the specimen. Collecting expeditions of the American Museum of Natural History are noted by a parenthetical acronym after the collector's name. The acronym, expedition name, and year are listed in Appendix 1.

### Original Number

This is the number assigned to the specimen by the collector in the field.

### Condition

The condition is the present state of the type specimen. I noted several features: whether or not any of the elements of each type were missing; whether the elements were complete or intact, damaged, or only partially represented; whether the skin was foxed or faded, patches of fur missing (bald spots; usually a result of epidermal decomposition due to inadequate preservation), or torn (or split).

### Comment

Included here are noteworthy observations about the original publication, the locality, taxonomic allocation of the name, or about the specimen that could not be given under the headings listed above.

## ACCOUNTS OF THE TYPES

Order **DIDELPHIMORPHIA** Illiger

Family **DIDELPHIDAE** Gray
Subfamily **DIDELPHINAE** Gray
Genus ***PHILANDER*** Tiedmann

***Metachirus fuscogriseus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 13: 194–195, October 23, 1900.
= *Philander opossum fuscogriseus* (Allen). See Goodwin, Bull. Am. Mus. Nat. Hist. 79: 113, May 29, 1942.
HOLOTYPE: **9920/8252**. Skin and skull. Adult male.
LOCALITY: Nicaragua: Greytown (fixed by Allen).
COLLECTOR: Unknown. Original number 1652.
CONDITION: Skin complete, with bald spots. Skull complete.
COMMENT: Found alive in bananas, from Central American port, unloaded at New York on January 11, 1895.

***Metachirus grisescens*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 14: 21–218, July 3, 1901.
= *Philander opossum grisescens* (Allen). See Goodwin, Bull. Am. Mus. Nat. Hist. 102: 227, 1958.
HOLOTYPE: **15072**. Skin and skull. Adult female.
LOCALITY: Colombia: Antioquia; Río Cauca. June 1898.
COLLECTOR: J. H. Batty. Original number unknown.
CONDITION: Skin complete, with bald spots. Skull complete.

Genus ***DIDELPHIS*** Linneaus

***Didelphis marsupialis insularis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 16: 159–160, August 18, 1902.
HOLOTYPE: **7740/6124**. Skin, skull, and leg bones. Adult male.
LOCALITY: Trinidad and Tobago: Trinidad; Caroni Parish, Caparo 15 ft (4.5 m). March 17, 1894.
COLLECTOR: F. M. Chapman. Original number 718.
CONDITION: Skin and skull complete.

***Didelphis karkinophaga colombica*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 13: 193–194, October 23, 1900.
= *Didelphis marsupialis caucae* Allen. See

Gardner, Spec. Publ. Mus. Texas Tech. Univ. 4: 26, July 3, 1973.
HOLOTYPE: **15453**. Skin, skull, partial postcranial skeleton. Adult male.
LOCALITY: Colombia: Magdalena; Santa Marta, Bonda. April 19, 1899.
COLLECTOR: H. H. Smith (JSM). Original number 380.
CONDITION: Skin slipped. Skull complete. Partial skeleton intact.

***Didelphis karkinophaga caucae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 13: 192, October 23, 1900.
= *Didelphis marsupialis caucae* Allen. See Allen, Bull. Am. Mus. Nat. Hist. 16: 261–262, August 18, 1902.
HOLOTYPE: **14192**. Skin and skull. Adult female.
LOCALITY: Colombia: Valle del Cauca; Cali. June 1898.
COLLECTOR: J. H. Batty (BPE). Original number 239.
CONDITION: Skin and skull complete.

***Didelphis marsupialis etensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 16: 262–263, August 18, 1902.
= *Didelphis marsupialis caucae* Allen. See Gardner, Spec. Publ. Mus. Texas Tech. Univ. 4: 26, July 3, 1973.
HOLOTYPE: **18986**. Skin and skull. Adult male.
LOCALITY: Peru: (Lambayeque); Eten, 50 ft (15 m). October 2, 1899.
COLLECTOR: P. O. Simmons. Original number 628.
CONDITION: Skin and skull complete.

***Didelphis aurita*** Wied
Beitr. Naturgesch. Brasilien, 2: 395, Weimar, 1826.
LECTOTYPE: 836. Mounted skin, skull within. Adult male. See Avila-Pires, Am. Mus. Novitates 2209: 4, February 17, 1965.
LOCALITY: Brazil: Bahia; Villa Vicoza (Marobá), Rio Peruipe. 1815–1817.
COLLECTOR: Maximillian Wied-Neuwied. Original number unknown.
CONDITION: Skin broken and faded. Skull within skin.

***Didelphis pernigra*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 16: 191–192, October 23, 1900.
= *Didelphis albiventris pernigra* Allen. See Hershkovitz, Q. Rev. Biol. 44: 54, March, 1969.
HOLOTYPE: **16071**. Skin and skull. Adult female.
LOCALITY: Peru: Puno; Inca Mine (= Santo Domingo), 7000 ft (2135 m). February 12, 1900.
COLLECTOR: H. H. Keays. Original number 34.
CONDITION: Skin and skull complete.

## Genus *MICOUREUS* Lesson

***Didelphis cinerea*** Temminck
Monographies de mammalogie 1: 46, 1824.
= *Micoureus demararae* (Thomas). See Gardner, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 20, 1993.
LECTOTYPE: **845**. Skin only. Adult male. See J. A. Allen, Bull. Am. Mus. Nat. Hist. 13: 190, October 12, 1900.
LOCALITY: Brazil: Bahia; Morro d'Arara, 30 km west of mouth of Rio Mucuri. 1815–1817.
COLLECTOR: Maximillian Wied-Neuwied. Original number 33.
CONDITION: Skin faded, with bald spots, tail broken. Formerly a mount. Skull not in skin.

***Marmosa demararae areniticola*** Tate
Am. Mus. Novitates 493: 2, September 26, 1931.
= *Micoureus demararae* (Thomas). See Gardner, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 20, 1993.
HOLOTYPE: **75691**. Skin and skull. Adult male.
LOCALITY: Brazil (Venezuela): (Bolívar); Mount Roraima, Arabupu (Arabopó), 4200 ft (1281 m). December 29, 1927.
COLLECTOR: G. H. H. Tate and T. D. Carter. Original number 4713.
CONDITION: Skin and skull complete.

***Marmosa demararae esmeraldae*** Tate
Am. Mus. Novitates 493: 2, September 26, 1931.
= *Micoureus demararae* (Thomas). See Gardner, *in* Wilson and Reeder (eds.),

Mammal species of the world, 2nd ed., p. 20, 1993.
HOLOTYPE: **76964**. Skin and skull. Adult male.
LOCALITY: Venezuela: (Amazonas); Esmeralda, (upper Rio Orinoco), near foot of Mount Duida, 325 ft (99 m). October 7, 1928.
COLLECTOR: G. H. H. Tate (TDE). Original number 5035.
CONDITION: Skin and skull complete.

***Caluromys alstoni*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 13: 189–190, October 12, 1900.
= *Micoureus alstoni* (Allen). See Gardner and Creighton, Proc. Biol. Soc. Washington 102: 4, 1989.
HOLOTYPE: **11790/16210**. Skin and skull. Adult male.
LOCALITY: Costa Rica: (Cartago); Tres Rios, 4000 ft (1220 m). August 17, 1893.
COLLECTOR: G. K. Cherrie. Original number unknown.
CONDITION: Skin complete. Skull incomplete and broken.

***Marmosa perplexa*** Anthony
Am. Mus. Novitates 32: 3, March 4, 1922.
= *Micoureus regina* (Thomas). See Gardner, *in* Wilson and Reeder (eds.), Mammal species of the world, 2nd ed., p. 20, 1993.
HOLOTYPE: **47188**. Skin and skull. Adult male.
LOCALITY: Ecuador: (El Oro); Zaruma, on Loja Trail near Punta Santa Ana, 3650 ft (1113 m). December 21, 1920.
COLLECTOR: H. E. Anthony. Original number 2386.
CONDITION: Skin and skull complete.

***Marmosa mapiriensis*** Tate
Am. Mus. Novitates 493: 3–4, Sept. 26, 1931.
= *Micoureus regina* (Thomas). See Gardner, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 20, 1993.
HOLOTYPE: **72555**. Skin and skull. Adult male.
LOCALITY: Bolivia: (La Paz); Ticunhuaya, (Tipuani River between Sorata and Guanay), 4800 ft (1464 m). April 23, 1926.
COLLECTOR: G. H. H. Tate. Original number 3963.
CONDITION: Skin and skull complete.

Genus ***MARMOSA*** Gray

***Marmosa murina roraimae*** Tate
Am. Mus. Novitates 493: 4–5, September 26, 1931.
= *Marmosa murina* (Linnaeus). See Gardner, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 18, 1993.
HOLOTYPE: **75703**. Skin and skull. Adult male.
LOCALITY: Brazil (Venezuela): (Bolívar); Mount Roraima, Arabupu (Arabopó), 4200 ft (1281 m). December 25, 1927.
COLLECTOR: G. G. H. Tate and T. D. Carter. Original number 4695.
CONDITION: Skin and skull complete.

***Marmosa klagesi*** J. A. Allen
Bull Am. Mus. Nat. Hist. 13: 198, October 23, 1900.
= *Marmosa murina* (Linnaeus). See Gardner, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 18, 1993.
HOLOTYPE: **16121**. Skin and skull. Adult male.
LOCALITY: Venezuela: (Bolívar); Cuidad Bolívar. October 26, 1899.
COLLECTOR: S. M. Klages. Original number 56.
CONDITION: Skin complete, tail with bald spots. Skull complete.

***Marmosa murina duidae*** Tate
Am. Mus. Novitates 493: 5, September 26, 1931.
= *Marmosa murina* (Linnaeus). See Gardner, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 18, 1993.
HOLOTYPE: **76984**. Skin and skull. Adult male.
LOCALITY: Venezuela: (Amazonas); Mount Duida, 8 mi (12.8 km) N of Esmeralda, 350 ft (106 m). February 3, 1929.
COLLECTOR: Olalla and sons (TDE). Original number 22.
CONDITION: Skin complete. Skull broken but repaired.

***Marmosa bombascarae*** Anthony
Am. Mus. Novitates 32: 5–6, March 4, 1922.
= *Marmosa murina* (Linneaus). See Gardner, *in* Wilson and Reeder (eds.), Mammal spe-

cies of the world, a taxonomic and geographic reference, 2nd ed., p. 18, 1993.
HOLOTYPE: **47186**. Skin and skull. Adult female.
LOCALITY: Ecuador: (Zamora-Chinchipe); Zamora. November 24, 1920.
COLLECTOR: H. E. Anthony. Original number 2307.
CONDITION: Skin complete, tail broken. Skull complete.

***Marmosa rubra*** Tate
Am. Mus. Novitates 493: 6, September 26, 1931.
HOLOTYPE: **71973**. Skin and skull. Adult female.
LOCALITY: Peru: Loreto; Boca Río Curaray. December 7, 1925.
COLLECTOR: Olalla Brothers. Original number unknown.
CONDITION: Skin and skull complete.

***Marmosa tyleriana*** Tate
Am. Mus. Novitates 493: 6–7, September 26, 1931.
HOLOTYPE: **76983**. Skin and skull. Adult female.
LOCALITY: Venezuela: (Amazonas); Mount Duida, Central camp, 4800 ft (1464 m). February 6, 1929.
COLLECTOR: Olalla Brothers (TDE). Original number 272.
CONDITION: Skin and skull complete.

***Marmosa tyleriana phelpsi*** Tate
Bull. Am. Mus. Nat. Hist. 76: 164–165, October 20, 1939.
= *Marmosa tyleriana* Tate. See Gardner, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 19, 1993.
HOLOTYPE: **130502**. Skin and skull. Adult male.
LOCALITY: Venezuela: (Bolívar); Auyantepui (Auyán-Tepuí) Plateau, 1850 m. January 6, 1938.
COLLECTOR: G. H. H. Tate (PVE). Original number 5502.
CONDITION: Skin and skull complete.

***Marmosa chapmani*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 13: 197–198, October 23, 1900.
= *Marmosa robinsoni* Bangs. See Gardner, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 18, 1993.
HOLOTYPE: **7666/6052**. Skin and skull. Adult male.
LOCALITY: (Trinidad and Tobago): Trinidad; (St. George), Caura. April 17, 1894.
COLLECTOR: F. M. Chapman. Original number 894.
CONDITION: Skin and skull complete.

***Marmosa mitis luridavolta*** Goodwin
Am. Mus. Novitates 2070: 5, December 29, 1961.
= *Marmosa robinsoni* Bangs. See Gardner, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 18, 1993.
HOLOTYPE: **184848**. Skin and skull. Adult male.
LOCALITY: T.W.I. (Trinidad and Tobago): Tobago; Speyside, 2 mi (3.2 km) from Tyrrel's Bay. March 19, 1960.
COLLECTOR: F. Thurab. Original number 33.
CONDITION: Skin and skull complete.

***Didelphis (Micoureus) canescens*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 5: 235–236, September 22, 1893.
= *Marmosa canescens canescens* (Allen). See Allen, Bull. Am. Mus. Nat. Hist. 9: 58, March 15, 1897.
HOLOTYPE: **3111/2433**. Skin and skull. Adult male.
LOCALITY: Mexico: (Oaxaca); Tehuantepec, Santa Domingo de Guzman. April 30, 1890.
COLLECTOR: A. C. Buller. Original number 142.
CONDITION: Skin complete, tail with bald spots. Skull complete except for missing left dentary.

***Marmosa mexicana savannarum*** Goldman
Proc. Biol. Soc. Washington 30: 108–109, May 23, 1917.
= *Marmosa mexicana mexicana* Merriam. See Tate, Bull. Am. Mus. Nat. Hist. 66: 132–133, August 10, 1933.
HOLOTYPE: **18915**. Skin and skull. Adult male.
LOCALITY: (Panama): Boqueron; Chiriqui. October 31, 1901.
COLLECTOR: J. H. Batty. Original number 883.
CONDITION: Skin and skull complete.

Genus ***MARMOSOPS*** Matschie

***Thylamys keaysi*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 13: 198–199, October 23, 1900.
= *Marmosops noctivagus* (Tschudi). See Gardner, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 20, 1993.
HOLOTYPE: **16068**. Skin and skull. Adult male.
LOCALITY: Peru: (Puno); Inca Mines (Santo Domingo), 6000 ft (1830 m). December 23, 1899.
COLLECTOR: H. H. Keays. Original number 20.
CONDITION: Skin complete but with bald spots. Skull complete.

***Marmosa yungasensis*** Tate
Am. Mus. Novitates 493: 7, September 26, 1934.
= *Marmosops dorothea* (Thomas). See Gardner, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 19, 1993.
HOLOTYPE: **72558**. Skin and skull. Adult female.
LOCALITY: Bolivia: (La Paz); Pitiguaya (= La Florida), 5600 ft (1708 m). May 10, 1926.
COLLECTOR: G. H. H. Tate. Original number 4037.
CONDITION: Skin and skull complete.

***Thylamys carri*** Allen and Chapman
Bull. Am. Mus. Nat. Hist. 9: 27–28, February 26, 1897.
= *Marmosops fuscatus* (Thomas). See Gardner, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 19, 1993.
HOLOTYPE: **7314/5922**. Skin and skull. Adult male.
LOCALITY: (Trinidad and Tobago): Trinidad; Caroni, Caparo. March 20, 1894.
COLLECTOR: F. M. Chapman. Original number 731.
CONDITION: Skin and skull complete.

***Marmosa oroensis*** Anthony
Am. Mus. Novitates 32: 3, March 4, 1922.
= *Marmosops impavidus* (Tschudi). See Gardner, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 19, 1993.
HOLOTYPE: **47180**. Skin and skull. Adult male.
LOCALITY: Ecuador: El Oro, Portovelo, 2000 ft (610 m). September 2, 1920.
COLLECTOR: H. E. Anthony. Original number 1983.
CONDITION: Skin and skull complete.

***Marmosa celicae*** Anthony
Am. Mus. Novitates 32: 4–5, March 4, 1922.
= *Marmosops impavidus* (Tschudi). See Gardner, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 19, 1993.
HOLOTYPE: **47182**. Skin and skull. Adult male.
LOCALITY: Ecuador: (Loja); Celica, 6900 ft (2104 m). September 28, 1920.
COLLECTOR: H. E. Anthony. Original number 2172.
CONDITION: Skin complete. Partial skull (occiput missing).

***Marmosa caucae ucayaliensis*** Tate
Am. Mus. Novitates 493: 9, September 26, 1931.
= *Marmosops impavidus* (Tschudi). See Gardner, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 19, 1993.
HOLOTYPE: **78952**. Skin and skull. Adult male.
LOCALITY: (Peru): Loreto; Alto Río Ucayali, Lagarto. March 20, 1928.
COLLECTOR: Olalla and sons. Original number unknown.
CONDITION: Skin complete. Skull with incomplete basiocciput.

***Marmosa juninensis*** Tate
Am. Mus. Novitates 493: 13, September 26, 1931.
= *Marmosops parvidens* (Tate). See Gardner, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 20, 1993.
HOLOTYPE: **63864**. Skin and skull. Adult female.
LOCALITY: Peru: Junín; Utcuyacu, 1463 m. November 25, 1929.

COLLECTOR: H. Watkins. Original number 15.
CONDITION: Skin complete. Skull broken and partial (zygoma, occiput, and right dentary missing).

Genus ***GRACILINANUS*** Gardner and Creighton

***Marmosa unduaviensis*** Tate
Am. Mus. Novitates 493: 11–12, September 26, 1931.
= *Gracilinanus agilis* (Burmeister). See Gardner and Creighton, Proc. Biol. Soc. Washington 102: 5, 1989.
HOLOTYPE: **72563**. Skin and skull. Adult male.
LOCALITY: Bolivia: (La Paz); Pitiguaya (= La Florida), 5800 ft (1769 m). May 12, 1926.
COLLECTOR: G. H. H. Tate. Original number 4059.
CONDITION: Skin complete. Skull broken (damaged in trap).

***Marmosa aceramarcae*** Tate
Am. Mus. Novitates 493: 12, September 26, 1931.
= *Gracilinanus aceramarcae* (Tate). See Gardner and Creighton, Proc. Biol. Soc. Washington 102: 5, 1989.
HOLOTYPE: **72568**. Skin and skull. Adult female.
LOCALITY: Bolivia: (La Paz); Río Aceramarca, 10,800 ft (3294m). May 25, 1926.
COLLECTOR: G. H. H. Tate. Original number 4189.
CONDITION: Partial skin, tail with bald spots. Broken and partial skull.

Genus ***MONODELPHIS*** Burnett

***Peramys brevicaudatus dorsalis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 327, October 8, 1904.
= *Monodelphis brevicaudata* (Erxleben). See Gardner, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 21, 1993.
HOLOTYPE: **16126**. Skin and skull. Adult male.
LOCALITY: Venezuela: (Bolívar); Ciudad Bolívar. December 19, 1899.
COLLECTOR: S. M. Klages. Original number 69.
CONDITION: Skin and skull complete.

Genus ***METACHIRUS*** Burmeister

***Metachirus tschudii*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 13: 195–196, October 23, 1900.
= *Metachirus nudicaudatus tschudii* Allen. See Osgood, Field Mus. Zool. 10: 149, 1914.
HOLOTYPE: **11815/10107**. Skin and skull. Adult female.
LOCALITY: Peru: (Amazonas); Guayabamba (= Santa Rosa de Huayabamba), 5500 ft (1677 m). August 30, 1894.
COLLECTOR: O. T. Baron. Original number unknown.
CONDITION: Skin and skull complete.

***Metachirus nudicaudatus colombianus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 13: 196–197, October 23, 1900.
HOLOTYPE: **15448**. Skin and skull. Adult male.
LOCALITY: Colombia: (Magdalena); Donamo (= Don Amo), 1000 ft (305 m). April 20, 1899.
COLLECTOR: H. H. Smith (JSM). Original number 383.
CONDITION: Skin and skull complete.

***Metachirus nudicaudatus antioquiae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 35: 83, April 28, 1916.
HOLOTYPE: **37751**. Skin and skull. Adult male.
LOCALITY: Colombia: Antioquia; La Frijolera, 5000 ft (1525 m). January 1, 1915.
COLLECTOR: Miller and Boyle. Original number 1615.
CONDITION: Skin complete, with bald spots. Skull complete but left upper canine missing.

Subfamily **CALUROMYINAE** Kirsch
Genus ***GLIRONIA*** Thomas

***Glironia aequatorialis*** Anthony
Am. Mus. Novitates 240: 1–3, December 4, 1926.
= *Glironia venusta* Thomas. See L. Marshall,

Mammal Spec. 107: 1–2, December 29, 1978.
HOLOTYPE: **71395**. Skin and skull. Adult female.
LOCALITY: Ecuador: (Napo); Voca Lagarto Cocha (= Boca Río Lagartococha). January 15, 1926.
COLLECTOR: Olalla and sons. Original number unknown.
CONDITION: Skin complete. Skull broken.

***Glironia criniger*** Anthony
Am. Mus. Novitates 240: 2–4, December 4, 1926.
= *Glironia venusta* Thomas. See L. Marshall, Mammal Spec. 107: 1–2, December 29, 1978.
HOLOTYPE: **71394**. Skin and skull. Adult female.
LOCALITY: (Peru): (Loreto); Voca R. Curaray (= Boca Río Curaray). December 5, 1925.
COLLECTOR: Olalla and sons. Original number unknown.
CONDITION: Skin damaged. Skull complete.

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Order **PAUCITUBERCULATA** (Ameghino)

Family **CAENOLESTIDAE** Trouessart
Subfamily **CAENOLESTINAE** Trouessart
Genus ***CAENOLESTES*** Thomas

***Caenolestes caniventer*** Anthony
Am. Mus. Novitates 20: 6, November 3, 1921.
HOLOTYPE: **47174**. Skin, partial skeleton, and carcass in alcohol. Adult male.
LOCALITY: Ecuador: El Oro; El Chiral, western Andes, 5350 ft (1631 m). August 2, 1920.
COLLECTOR: H. E. Anthony. Original number 1782.
CONDITION: Skin (includes foot bones) complete. Skull complete. Carcass complete.

***Caenolestes convelatus*** Anthony
Am. Mus. Novitates 120: 1-3, June 21, 1924.
HOLOTYPE: **64462**. Skin and skull. Adult male.
LOCALITY: Ecuador: (Pichincha); (trail between Aloag and Santo Domingo de los Colorados), Las Maquinas, western Andes, 7000 ft (2135 m). September 24, 1923.
COLLECTOR: H. E. Anthony. Original number 2779.
CONDITION: Skin and skull complete.

***Caenolestes tatei*** Anthony
Am. Mus. Novitates 55: 1–2, January 31, 1923.
= *Caenolestes fuliginosus* (Tomes). See Gardner, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 25, 1993.
HOLOTYPE: **61860**. Skin and skull. Adult female.
LOCALITY: Ecuador: (Azuay); Molleturo, 7600 ft (2318 m). June 11, 1922.
COLLECTOR: G. H. H. Tate. Original number 552.
CONDITION: Skin and skull complete.

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Order **DASYUROMORPHIA** Gill

Family **DASYURIDAE** Goldfuss
Subfamily **PHASCOGALINAE** Gill
Genus ***ANTECHINUS*** MacLeay

***Antechinus tafa centralis*** Tate and Archbold
Am. Mus. Novitates 1101: 8, January 30, 1941.
= *Antechinus naso naso* (Jentink). See Laurie and Hill, List of land mammals of New Guinea, Celebes and adjacent islands 1758–1952, p. 6, 1954.
HOLOTYPE: **109823**. Skin and skull. Adult male.
LOCALITY: Netherlands New Guinea (= Irian Jaya): (Paniai); Bele River, 18 km N Lake Habbema, 2200 m. November 17, 1938.
COLLECTOR: W. B. Richardson (A3). Original number 5695.
CONDITION: Skin and skull complete.

***Antechinus habbema*** Tate and Archbold
Am. Mus. Novitates 1101: 8–9, January 30, 1941.
= *Antechinus naso naso* (Jentink). See Laurie and Hill, List of land mammals of New Guinea, Celebes and adjacent islands 1758–1952, p. 6, 1954.
HOLOTYPE: **109812**. Skin and skull. Adult male.
LOCALITY: Netherlands New Guinea (=

Irian Jaya): (Paniai); 9 km NE Lake Habbema, 2800 m. October 21, 1938.
COLLECTOR: W. B. Richardson (A3). Original number 5190.
CONDITION: Skin and skull complete.

***Phascogale tafa*** Tate and Archbold
Am. Mus. Novitates 823: 3, March 9, 1936.
= *Antechinus naso tafa* (Tate and Archbold). See Laurie and Hill, List of land mammals of New Guinea, Celebes and adjacent islands 1758–1952, p. 6, 1954.
HOLOTYPE: **104050**. Skin and skull. Adult female.
LOCALITY: British Papua (= Papua New Guinea): Central; east slope of Mount Tafa, Nimodia, 2100 m. May 25, 1933.
COLLECTOR: R. Archbold and A. L. Rand (A1). Original number 1379.
CONDITION: Skin and skull complete.

***Antechinus wilhelmina*** Tate
Bull. Am. Mus. Nat. Hist. 88: 130–131, February 20, 1947.
HOLOTYPE: **109811**. Skin and skull. Adult male.
LOCALITY: Netherlands New Guinea (= Irian Jaya): (Paniai); 9 km NE Lake Habbema, 2300 m. October 19, 1938.
COLLECTOR: W. B. Richardson (A3). Original number 5186.
CONDITION: Skin and skull complete.
COMMENT: "Brought in by natives" written on original label.

Subfamily **PHASCOLOSOREXINAE** Archer
Genus ***PHASCOLOSOREX*** Matschie

***Phascogale (Phascolosorex) dorsalis whartoni*** Tate and Archbold
Am. Mus. Novitates 823: 4, March 9, 1936.
= *Phascolosorex dorsalis whartoni* (Tate and Archbold). See Tate, Bull. Am. Mus. Nat. Hist. 88: 138–139, February 20, 1947.
HOLOTYPE: **104046**. Skin and skull. Adult male.
LOCALITY: British Papua (= Papua New Guinea): Central; east slope Mount Tafa, Nimodia, 2070 m. May 23, 1933.
COLLECTOR: R. Archbold and A. L. Rand (A1). Original number 1372.
CONDITION: Skin and skull complete.

Subfamily **PLANIGALINAE** Archer
Genus ***PLANIGALE*** Troughton

***Planigale novaeguinae*** Tate and Archbold
Am. Mus. Novitates 1101: 7, January 30, 1941.
HOLOTYPE: **108561**. Skin and skull. Adult male.
LOCALITY: Papua (= Papua New Guinea): Central; Rona. January 20, 1937.
COLLECTOR: G. H. H. Tate (A2). Original number A3420.
CONDITION: Skin complete. Skull partial (posterior cranium missing).

Subfamily **SMINTHOPSINAE** Archer
Genus ***SMINTHOPSIS*** Thomas

***Phascogale rona*** Tate and Archbold
Am. Mus. Novitates 823: 2–3, March 9, 1936.
= *Sminthopsis virginiae rufigenis* (Thomas). See Archer, Bull. Am. Mus. Nat. Hist. 168: 139, April 10, 1981.
HOLOTYPE: **104005**. Skin and skull. Adult female.
LOCALITY: British Papua (= Papua New Guinea): Central; Rona, 450 m. March 14, 1933.
COLLECTOR: R. Archbold and A. L. Rand (A1). Original number 1313.
CONDITION: Skin complete. Skull broken.

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Order **PERAMELEMORPHIA** Kirsch

Family **PERORYCTIDAE** Groves and Flannery
Genus ***ECHYMIPERA*** Lesson

***Echymipera oriomo*** Tate and Archbold
Am. Mus. Novitates 823: 1, March 9, 1936.
= *Echymipera kalubu oriomo* Tate and Archbold. See Laurie and Hill, List of land mammals of New Guinea, Celebes and adjacent islands, 1758–1952, p. 11, 1954.
HOLOTYPE: **104573**. Skin and skull. Adult male.
LOCALITY: British Papua (= Papua New Guinea): Western; Oriomo River, Dogwa. March 1, 1934.
COLLECTOR: R. Archbold and A. L. Rand (A1). Original number 2085.
CONDITION: Skin complete. Skull complete but left M4 missing.

Order **DIPROTODONTIA** Owen

Family **MACROPODIDAE** Gray
Subfamily **MACROPODINAE** Gray
Genus ***THYLOGALE*** Gray

***Macropus coxenii oriomo*** Tate and Archbold
Am. Mus. Novitates 804: 1, May 21, 1935.
= *Thylogale stigmatica oriomo* (Tate and Archbold). See Tate, Bull. Am. Mus. Nat. Hist. 91: 316, November 1, 1948.
HOLOTYPE: **104429**. Skin and skull. Adult male.
LOCALITY: British Papua (= Papua New Guinea): Western; Oriomo River, Wuroi. February 2, 1934.
COLLECTOR: R. Archbold (A1). Original number 1745.
CONDITION: Skin and skull complete.

Genus ***DORCOPSIS*** Schlegel and Muller

***Dorcopsis atrata*** Van Deusen
Am. Mus. Novitates 1826: 5–6, April 13, 1957.
HOLOTYPE: **157276**. Skin and skull. Adult male.
LOCALITY: Territory of Papua (= Papua New Guinea): (Milne Bay); Goodenough Island, Top Camp, east slopes, 1600 m. October 13, 1953.
COLLECTOR: H. Van Deusen (A4). Original number AE13390.
CONDITION: Skin and skull complete.

Family **PHALANGERIDAE** Thomas
Subfamily **AILUROPSINAE**
Flannery, Archer and Maynes
Genus ***AILUROPS*** Wagler

***Phalanger ursinus togianus*** Tate
Am. Mus. Novitates 1283: 4, April 27, 1945.
= *Ailurops ursinus togianus* (Tate). See George, *in* Archer (ed.), Possums and opossums 2: 509, 1987.
HOLOTYPE: **153377**. Skin and skull. Subadult male.
LOCALITY: (Indonesia): Celebes (= Sulawesi); Togian Islands, Malenge. December 17, 1939.
COLLECTOR: J. J. Menden. Original number 220.
CONDITION: Skin and skull complete.

Subfamily **PHALANGERINAE** Thomas
Genus ***PHALANGER*** Storr

***Phalanger celebensis pelengensis*** Tate
Am. Mus. Novitates 1283: 3, April 27, 1945.
= *Phalanger pelengensis pelengensis* Tate. See Groves, *in* Archer (ed.), Possums and opossums 2: 573, 1987.
HOLOTYPE: **107997**. Skin and skull. Adult male.
LOCALITY: Netherlands East Indies (= Indonesia): Celebes (= Sulawesi); Peleng Island. July 25, 1938.
COLLECTOR: J. J. Menden. Original number 190.
CONDITION: Skin and skull complete.

***Phalanger brevinasus*** Tate and Archbold
Am. Mus. Novitates 810: 5–6, July 19, 1935.
= *Phalanger orientalis orientalis* (Pallas). See Flannery, Mammals of New Guinea, p. 123, 1990.
HOLOTYPE: **104100**. Skin and skull. Adult male.
LOCALITY: British Papua (= Papua New Guinea): Central; Mafulu, 1250 m. October 24, 1933.
COLLECTOR: R. Archbold and A. L. Rand (A1). Original number 1564.
CONDITION: Skin complete. Skull broken.

***Phalanger matsika*** Tate and Archbold
Am. Mus. Novitates 810: 7–8, July 19, 1935.
= *Phalanger orientalis orientalis* (Pallas). See Flannery, Mammals of New Guinea, p. 122, 1990.
HOLOTYPE: **104103**. Skin and skull. Adult female.
LOCALITY: British Papua (= Papua New Guinea): Central; (Angabunga River), Matsika, 950 m. November 22, 1933.
COLLECTOR: R. Archbold and A. L. Rand (A1). Original number 1628.
CONDITION: Skin complete. Skull broken, left m4 missing.

***Phalanger microdon*** Tate and Archbold
Am. Mus. Novitates 810: 8, July 19, 1935.
= *Phalanger orientalis mimicus* Thomas. See George, *in* Archer (ed.), Possums and opossums, 2: 515, 1987.
HOLOTYPE: **104401**. Skin and skull. Adult female.
LOCALITY: British Papua (= Papua New

Guinea): Western; Oriomo River, Dogwa, 30 m. February 27, 1934.
COLLECTOR: R. Archbold and A. L Rand (A1). Original number 2075.
CONDITION: Skin complete. Skull broken (occiput).
COMMENT: See the comments by Groves (1993: 46) regarding the status of *mimicus*.

***Phalanger orientalis peninsulae*** Tate
Am. Mus. Novitates 1283: 2–3, April 27, 1945.
HOLOTYPE: **108905**. Skin and skull. Adult male.
LOCALITY: (Australia: Queensland); Rocky Scrub, (30 mi N Coen). June 26, 1938.
COLLECTOR: G. Neuhauser. Original number 509.
CONDITION: Skin and skull complete.

***Phalanger sericeus occidentalis*** Menzies and Pernetta
J. Zool. London 1B: 598, September 1986.
HOLOTYPE: **109473**. Skin and skull. Adult male.
LOCALITY: Dutch New Guinea (= Irian Jaya): (Jayawijaya); Bele River, 18 km N Lake Habbema, 2200 m. December 1938.
COLLECTOR: R. Archbold and A. L. Rand (A3). Original number 7109.
CONDITION: Skin and skull complete.

Genus ***STRIGOCUSCUS*** Gray

***Phalanger celebensis mendeni*** Feiler
Zool. Abhandl. Staats. Mus. Tierk. Dresden 34: 387, 1978.
= *Strigocuscus celebensis mendeni* (Feiler). See Flannery, Archer and Maynes, *in* Archer (ed.), Possums and opossums, 2: 481, 1987.
HOLOTYPE: **109371**. Skin and skull. Adult female.
LOCALITY: (Indonesia); Moluccas: Taliabu Island. October 22, 1938.
COLLECTOR: J. J. Menden. Original number 117.
CONDITION: Skin and skull complete.

***Phalanger celebensis feileri*** Groves
Possums and opossums 2: 571, 1987.
= *Strigocuscus celebensis feileri* (Groves). See Flannery, Archer and Maynes, *in* Archer (ed.), Possums and Opossums, 2: 481, 1987.
HOLOTYPE: **196500**. Skin and skull. Adult male.
LOCALITY: Indonesia: North Sulawesi; Minahassa; Rurukan. 1000 m. February 2, 1931.
COLLECTOR: G. Heinrich. Original number 212.
CONDITION: Skin complete. Skull complete but missing left M4 and m4.

Genus ***SPILOCUSCUS*** Gray

***Phalanger atrimaculatus*** Tate
Am. Mus. Novitates 1283: 4, April 27, 1945.
= *Spilocuscus rufoniger* (Tate). See Flannery, Mammals of New Guinea, p. 134, 1990.
HOLOTYPE: **151813**. Skin and skull. Adult male.
LOCALITY: (Indonesia); Netherlands New Guinea (= Irian Jaya); Idenburg River, 100 mi (160 km) S Hollandia (= Jayapura), Bernhard Camp, 75 m. May 5, 1939.
COLLECTOR: W. B. Richardson (A3). Original number 8017.
CONDITION: Skin and skull complete.

Family **PSEUDOCHEIRIDAE** Winge
Genus ***PSEUDOCHEIRUS*** Ogilby

***Pseudocheirus (Pseudochirulus) forbesi longipilis*** Tate and Archbold
Am. Mus. Novitates 810: 4–5, July 19, 1935.
= *Pseudocheirus forbesi forbesi* Thomas. See Musser and Sommer, Am. Mus. Novitates 3044: 16, 1992.
HOLOTYPE: **104037**. Skin and skull. Adult male.
LOCALITY: British Papua (= Papua New Guinea): Central; Tafa Range, Mave, 2225 m. September 6, 1933.
COLLECTOR: R. Archbold and A. L. Rand (A1). Original number 1511.
CONDITION: Skin complete. Skull complete but right jugal broken.

***Pseudocheirus herbertensis cinereus*** Tate
Am. Mus. Novitates 1287: 17, June 11, 1945.
HOLOTYPE: **107275**. Skin and skull. Adult male.
LOCALITY: (Australia; Queensland; about 65 mi NW Cairns), Mount Spurgeon, 4000 ft (1220 m). November 28, 1927.

COLLECTOR: G. Neuhauser. Original number 179a.
CONDITION: Skin complete. Skull: cranium complete, mandible broken.
COMMENT: Groves (1993: 59) claimed that "*cinereus* may be a distinct species."

Genus ***PSEUDOCHEIROPS*** Matschie

***Pseudocheirus (Pseudocheirops) cupreus obscurior*** Tate and Archbold
Am. Mus. Novitates 810: 3–4, July 19, 1935.
= *Pseudocheirops cupreus cupreus* Thomas. See Flannery, Mammals of New Guinea, p. 158, 1990.
HOLOTYPE: **104114**. Skin and skull. Adult female.
LOCALITY: British Papua (= Papua New Guinea): Central; Mount Tafa, west slope, 2400 m. September 17, 1933.
COLLECTOR: R. Archbold and A. L. Rand (A1). Original number 1527.
CONDITION: Skin complete. Skull partial (some of left maxilla missing).

Family **PETAURIDAE** Bonaparte
Subfamily **DACTYLOPSILINAE** Kirsch
Genus ***DACTYLOPSILA*** Gray

***Dactylopsila trivirgata infumata*** Tate
Am. Mus. Novitates 1305: 4–5, December 29, 1945.
= *Dactylopsila trivirgata trivirgata* Gray. See Van Dyck, p. 144, *in* Strahan (ed.), The Australian Museum complete book of Australian mammals, 1983.
HOLOTYPE: **107203**. Skin and skull. Adult male.
LOCALITY: (Australia: Queensland); Lake Barrine, (near Cairns), 2400 ft (732 m). December 12, 1937.
COLLECTOR: G. Neuhauser. Original number 124.
CONDITION: Skin complete. Skull complete but missing left M2 and M4.

***Dactylopsila megalura*** Rothschild and Dolman
Proc. Zool. Soc. London, Abstr. 353: 14, November 22, 1932.
SYNTYPE: **101989**. Skin and skull. Adult female.
LOCALITY: (Indonesia): Dutch New Guinea (= Irian Jaya); (Paniai), Weyland Range, The Gebroeders, 6000–7000 ft (1830–2135 m). July 7, 1930.
COLLECTOR: F. Shaw Mayer. Original number 79.
CONDITION: Skin and skull complete.

Subfamily **PETAURINAE** Bonaparte
Genus ***PETAURUS*** Shaw

***Petaurus (Petaurella) papuana tafa*** Tate and Archbold
Am. Mus. Novitates 810: 1–2, July 19, 1935.
= *Petaurus breviceps tafa* Tate and Archbold. See Tate, Am. Mus. Novitates 1305: 10, December 29, 1945.
HOLOTYPE: **104028**. Skin and skull. Young adult male.
LOCALITY: British Papua (= Papua New Guinea): Central; eastern ridge of Mount Tafa, Nimodia, 2000 m. May 19, 1934.
COLLECTOR: R. Archbold and A. L. Rand (A1). Original number 1362.
CONDITION: Skin complete. Skull broken (posterior cranium in fragments).

***Petaurus (Petaurella) papuana flavidus*** Tate and Archbold
Am. Mus. Novitates 810: 2–3, July 19, 1935.
= *Petaurus breviceps flavidus* Tate and Archbold. See Tate, Am. Mus. Novitates 1305: 9, December 29, 1945.
HOLOTYPE: **104465**. Skin and skull. Adult male.
LOCALITY: British Papua (= Papua New Guinea): Western; Oriomo River, Dogwa, 30 m. February 17, 1934.
COLLECTOR: R. Archbold and A. L. Rand (A1). Original number 1885.
CONDITION: Skin complete but dirty. Skull complete.

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Order **XENARTHRA** Cope

Family **MYRMECOPHAGIDAE** Gray
Genus ***TAMANDUA*** Gray

***Tamandua tetradactyla chapadensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 392, fig. 2, October 29, 1904.
= *Tamandua tetradactyla straminea* (Cope). See Wetzel, Pymatuning Lab. Ecol. Spec. Publ. 6: 350, 1982.
HOLOTYPE: **1417/369**. Skin and skull. Adult female.

LOCALITY: Brazil: Matto Grosso; Chapada (= Chapada dos Guimarães). July 1885.
COLLECTOR: H. H. Smith. Original number 72.
CONDITION: Skin and skull complete.

***Tamandua tetradactyla chiriquensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 395, October 29, 1904.
= *Tamandua mexicana chiriquensis* Allen. See Wetzel, Pymatuning Lab. Ecol. Spec. Publ. 6: 349, 1982.
HOLOTYPE: **18883**. Skin and skull. Adult female.
LOCALITY: (Panama): Chiriqui; Boqueron. October 16, 1901.
COLLECTOR: J. H. Batty. Original number 666.
CONDITION: Skin complete but torn and has bald spots. Skull broken (maxillary zygoma separate).

***Tamandua tetradactyla punensis*** J. A. Allen
Bull. Am. Nat. Hist. 35: 83, April 28, 1916.
= *Tamandua mexicana punensis* Allen. See Wetzel, Pymatuning Lab. Ecol. Spec. Publ. 6: 349, 1982.
HOLOTYPE: **36452**. Skin and skull. Adult female.
LOCALITY: Ecuador: (Golfo de Guayaquil), Isla Puná. April 7, 1913.
COLLECTOR: W. B. Richardson. Original number 130.
CONDITION: Skin and skull complete.

***Tamandua tetradactyla instabilis*** J. A. Allen
Bull. Am. Nat. Hist. 20: 394, October 29, 1904.
= *Tamandua mexicana instabilis* Allen. See Wetzel, Pymatuning Lab. Ecol. Spec. Publ. 6: 349, 1982.
HOLOTYPE: **23420**. Skin and skull. Adult female.
LOCALITY: Colombia: (Magdalena); Bonda. April 7, 1899.
COLLECTOR: H. H. Smith (JSM). Original number 363.
CONDITION: Skin and skull complete.

***Tamandua tetradactyla tenuirostris*** J. A. Allen
Bull. Am. Nat. Hist. 20: 394, October 29, 1904.
= *Tamandua mexicana mexicana* Allen. See Wetzel, Pymatuning Lab. Ecol. Spec. Publ. 6: 349, 1982.
HOLOTYPE: **17272**. Skin and skull. Adult female.
LOCALITY: Mexico: V(era) C(ruz); Pasa Nueva. April 11, 1901.
COLLECTOR: A. E. Colburn. Original number 112.
CONDITION: Skin and skull complete.

## Family **MEGALONYCHIDAE** Ameghino
## Subfamily **CHOLOEPINAE** Gray
## Genus ***CHOLOEPUS*** Illiger

***Choloepus andinus*** J. A. Allen
Bull. Am. Nat. Hist. 32: 472, September 25, 1913.
= *Choloepus hoffmanni capitalis* Allen. See Wetzel, Pymatuning Lab. Spec. Publ. 6: 356, 1982.
HOLOTYPE: **33052**. Skin and skull. Adult female.
LOCALITY: Colombia: (Quindío); West Quindio, Salento, 7000 ft (2135 m). October 31, 1911.
COLLECTOR: L. E. Miller (CE). Original number 448.
CONDITION: Skin complete. Skull partial (hole in right parietal and alisphenoid; last right upper molar and last lower left molar missing).

***Choloepus capitalis*** J. A. Allen
Bull. Am. Nat. Hist. 32: 472, September 25, 1913.
= *Choloepus hoffmanni capitalis* Peters. See Wetzel, Pymatunig Lab. Spec. Publ. 6: 356, 1982.
HOLOTYPE: **34152**. Skin and skull. Adult female.
LOCALITY: Colombia: (Nariño); Barbacoas. October 5, 1912.
COLLECTOR: W. B. Richardson. Original number 72.
CONDITION: Skin and skull complete.

***Choloepus agustinus*** J. A. Allen
Bull. Am. Nat. Hist. 32: 470, September 25, 1913.
= *Choloepus hoffmanni agustinus* Allen. See Wetzel, Pymatuning Lab. Spec. Publ. 6: 356, 1982.
HOLOTYPE: **33909**. Skin and skull. Adult female.

LOCALITY: Colombia: Huila; near San Agustín, 5000 ft (1525 m). April 19, 1912.
COLLECTOR: L. E. Miller. Original number 734.
CONDITION: Skin complete. Skull complete but lower right canine and right last molar missing.

***Choloepus florenciae*** J. A. Allen
Bull. Am. Nat. Hist. 32: 469, September 25, 1913.
= *Choloepus didactylus* (Linnaeus). See Wetzel, Pymatuning Lab. Spec. Publ. 6: 355, 1982.
HOLOTYPE: **33910**. Skin and skull. Adult female.
LOCALITY: Colombia: Caquetá; Florencia, 1000 ft (305 m). June 23, 1912.
COLLECTOR: L. E. Miller. Original number 824.
CONDITION: Skin complete. Skull broken (left maxillary zygoma separated), and most teeth missing.

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Order **PHOLIDOTA** Gray

Family **MANIDAE** Gray
Genus ***MANIS*** Linnaeus

***Manis pusilla*** J. A. Allen
Bull. Am. Nat. Hist. 22: 465, December 17, 1906.
= *Manis pentadactyla pusilla* Allen. See G. M. Allen, Am. Mus. Novitates 429: 7, September 8, 1930.
HOLOTYPE: **26635**. Skin and skull. Adult.
LOCALITY: China: Hainan. September 1902.
COLLECTOR: Purchased from A. Owston. Original number 4.
CONDITION: Skin and skull complete.

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Order **INSECTIVORA** Bowdich

Family **ERINACEIDAE**
Fischer von Waldheim
Subfamily **HYLOMYINAE** Anderson
Genus ***HYLOMYS*** Müller

***Neotetracus sinensis cuttingi*** Anthony
Publ. Field Mus. Nat. Hist., Zool. 27: 58–61, December 8, 1941.
= *Hylomys sinensis cuttingi* (Anthony). See Frost, Wozencraft, and Hoffman, Smithsonian Contrib. Zool. 518: 24, 1991.
HOLOTYPE: **115503**. Skin, skull, carcass in alcohol. Adult male.
LOCALITY: Northern Burma: Hpimaw Road (above Hpimaw Fort), 9000 ft (2745 m). February 23, 1939.
COLLECTOR: H. E. Anthony (VC). Original number 4201.
CONDITION: Skin, skull, and carcass complete.

Subfamily **ERINACEINAE**
Fischer von Waldheim
Genus ***ERINACEUS*** Linnaeus

***Erinaceus orientalis*** J. A. Allen
Bull. Am. Nat. Hist. 19: 179–181, March 31, 1903.
= *Erinaceus amurensis* Schrenck. See Corbet, Mammal Rev. 18: 144, September, 1988.
HOLOTYPE: **18355**. Skin and skull. Adult female.
LOCALITY: (Russian Federation): Northeast Siberia (Primosrskiy); Vladivostock. July 18, 1900.
COLLECTOR: N. G. Buxton (JNP). Original number 9.
CONDITION: Skin and skull complete.

Genus ***ATELERIX*** Pomel

***Atelerix faradjius*** J. A. Allen
Bull. Am. Nat. Hist. 47: 13–14, July 20, 1922.
= *Atelerix albiventris* (Wagner). See Corbet, Mammal Rev. 18: 149, September, 1988.
HOLOTYPE: **51006**. Skin and skull. Adult female.
LOCALITY: Congo (= Zaire): (Haut Zaire); Faradje. July 7, 1911.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 1660.
CONDITION: Skin and skull complete.

***Atelerix langi*** J. A. Allen
Bull. Am. Nat. Hist. 47: 15–16, July 20, 1922.
= *Atelerix albiventris* (Wagner). See Corbet, Mammal Rev. 18: 149, September, 1988.
HOLOTYPE: **51000**. Skin and skull. Adult female.
LOCALITY: Congo (= Zaire): (Haut Zaire); Faradje. March 22, 1911.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 1544.
CONDITION: Skin complete but with short ventral tears. Skull complete.

Family **TALPIDAE** Fischer von Waldheim

Subfamily **UROPSILINAE** Dobson
Genus ***UROPSILUS*** Milne-Edwards

***Rhynchonax andersoni atronates*** G. M. Allen
Am. Mus. Novitates 100: 2, December 28, 1923.
= *Uropsilus gracilis atronates* (Allen). See Hoffmann, J. Mammal. Soc. Japan 10: 78, August 1984.
HOLOTYPE: **44343**. Skin and skull. Adult female.
LOCALITY: China: (Yunnan); Salween drainage, Mu-cheng, 7000 ft (2135 m). February 13, 1917.
COLLECTOR: R. C. Andrews and E. Heller (AZE). Original number 1575.
CONDITION: Skin complete. Skull partial (right zygoma missing).

***Rhynchonax andersoni nivatus*** G. M. Allen
Am. Mus. Novitates 100: 2–3, December 28, 1923.
= *Uropsilus gracilis nivatus* (Allen). See Hoffmann, J. Mammal. Soc. Japan 10: 78, August 1984.
HOLOTYPE: **44352**. Skin and skull. Adult male.
LOCALITY: China: (Yunnan); Li-chiang, Ssu-shan, 12,000 ft (3660 m). October 22, 1916.
COLLECTOR: R. C. Andrews and E. Heller (AZE). Original number 576.
CONDITION: Skin and skull complete.

Subfamily **TALPINAE**
Fischer von Waldheim
Genus ***SCALOPUS*** Desmarest

***Scalops aquaticus australis*** Chapman
Bull. Am. Nat. Hist. 5: 339, December 22, 1893.
= *Scalopus aquaticus australis* (Chapman). See Elliot, Publ. Field Columbian Mus. Nat. Hist., Zool. 6: 470, 1905.
HOLOTYPE: **3916/2990**. Skin and skull.
LOCALITY: (United States): Florida; (Alachua County), Gainseville. May 4, 1891.
COLLECTOR: F. M. Chapman. Original number 348.
CONDITION: Skin and skull complete.

***Scalops argentatus texanus*** J. A. Allen
Bull. Am. Nat. Hist. 3: 221, April 29, 1891.
= *Scalopus aquaticus texanus* (Allen). See Bailey, N. Amer. Fauna 25: 206, October 26, 1905.
HOLOTYPE: **3488/2740**. Skin and skull. Adult.
LOCALITY: (United States): Texas; Presidio County. September 1887.
COLLECTOR: W. Lloyd. Original number unknown.
COLLECTOR: Skin complete but foxed. Skull partial (posterior cranium missing).

***Scalopus aquaticus alleni*** Baker
Univ. Kansas Publ. Mus. Nat. Hist. 5: 22–23, February 28, 1951.
HOLOTYPE: **7189/5788**. Skin and skull. Adult male.
LOCALITY: (United States): Texas; (Aransus County), Rockport. January 29, 1893.
COLLECTOR: H. P. Attwater. Original number 51.
CONDITION: Skin and skull complete.

Genus ***SCAPANUS*** Pomel

***Scapanus anthonyi*** J. A. Allen
Bull. Am. Nat. Hist. 5: 200, August 18, 1893.
= *Scapanus latimanus anthonyi* Allen. See Palmer, J. Mammal. 18: 312, 1937.
HOLOTYPE: **6313/4947**. Skin and skull. Adult male.
LOCALITY: (Mexico): Lower California (= Baja California); San Pedro Martir Mountains, 7000 ft (2135 m). May 8, 1893.
COLLECTOR: A. W. Anthony. Original number 21.
CONDITION: Skin and skull complete.

Family **SORICIDAE**
Fischer von Waldheim
Subfamily **SORICINAE**
Fischer von Waldheim
Genus ***SOREX*** Linnaeus

***Sorex buxtoni*** J. A. Allen
Bull. Am. Nat. Hist. 19: 181–182, March 31, 1903.
= *Sorex caecutiens* Laxmann. See Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 49, November 19, 1951.
HOLOTYPE: **18655**. Skin and skull. Adult female.
LOCALITY: (Russian Federation): Northeastern Siberia (Magadan); Gichiga (= Gizhiga). July 27, 1901.

COLLECTOR: N. G. Buxton (JNP). Original number 953.
CONDITION: Skin and skull complete.

***Sorex bedfordiae gomphus*** G. M. Allen
Am. Mus. Novitates 100: 3–4, December 28, 1923.
HOLOTYPE: **44320**. Skin and skull. Adult male.
LOCALITY: China: Yunnan; Mu-cheng, Salween (Nu Jiang) drainage, 7000 ft (2135 m). February 11, 1917.
COLLECTOR: R. C. Andrews and E. Heller (AZE). Original number 1524.
CONDITION: Skin complete. Skull broken.

***Sorex excelsus*** G. M. Allen
Am. Mus. Novitates 100: 4–5, December 28, 1923.
HOLOTYPE: **44359**. Skin and skull. Adult male.
LOCALITY: China: Yunnan; Pei-tai (= Pei-tei), 30 mi (48 km) S Chung-tien (= Zhong-dian), 13,000 ft (3965 m). November 29, 1916.
COLLECTOR: R. C. Andrews and E. Heller (AZE). Original number 1039.
CONDITION: Skin and skull complete.

***Sorex gravesi*** Goodwin
Am. Mus. Novitates 657: 1–2, September 8, 1933.
HOLOTYPE: **85445**. Skin and skull. Adult female.
LOCALITY: (Russian Federation): Maritime Province (= Khabarovsk); Monoma River, 80 mi (128 km) E Troitskov (= Troitskoye). January 14, 1930.
COLLECTOR: G. G. Goodwin (MGN). Original number 128.
CONDITION: Skin and skull complete.
COMMENT: Hoffmann (1987: 105) recognized *gravesi* as a species. He thought that the species name *isodon*, although invalid under the 3rd International Code (see Corbet 1978: 22), should be declared valid as it was the more familiar name for this group of shrews. Hutterer (1993: 116) recognized *isodon*, and noted that "the case needs to be submitted to the International Commission on Zoological Nomenclature." However, as no petition has been made, Goodwin's *gravesi* should be used.

***Sorex cinereus ugyunak*** Anderson and Rand
Canadian Field Nat. 159: 62–63, March–April, 1945.
= *Sorex ugyunak* Anderson and Rand. See Hutterer, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 121, 1993.
HOLOTYPE: **31365**. Skin and skull. Adult male.
LOCALITY: (Canada): Northwest Territory; Mackenzie District, Tuktuk (Tuktuyaktok), Northeast side of Mackenzie River delta, south of Toker Point. September 30, 1909.
COLLECTOR: R. M. Anderson. Original number 358.
CONDITION: Skin complete. Skull partial (teeth and left dentary missing).

***Sorex longirostris eionis*** J. A. Davis
Am. Mus. Novitates 1844: 3, October 10, 1957.
HOLOTYPE: **163855**. Skin and skull. Adult male.
LOCALITY: (United States): Florida; Citrus County, Homosassa Springs, head of Homosassa River. February 14, 1951.
COLLECTOR: W. J. Schaldach and P. S. Chapin. Original number 1499.
CONDITION: Skin and skull complete.

***Sorex gaspensis*** Anthony and Goodwin
Am. Mus. Novitates 109: 1–2, March 10, 1924.
HOLOTYPE: **64190**. Skin and skull. Adult male.
LOCALITY: (Canada): Quebec; (Gaspe Peninsula), Mount Albert, 2000 ft (610 m).
COLLECTOR: G. G. Goodwin. Original number 323.
CONDITION: Skin and skull complete.

## Genus ***SORICULUS*** Blyth

***Soriculus caudatus umbrinus*** G. M. Allen
Am. Mus. Novitates 100: 5–6, December 28, 1923.
= *Soriculus caudatus* Horsfield. See Hoffman, J. Bombay Nat. Hist. Soc. 82: 466, 1986.
HOLOTYPE: **44338**. Skin and skull. Adult male.
LOCALITY: China: (Yunnan); Mu-cheng,

Salween (= Nu Jiang) River drainage, 7000 ft (2135 m). February 11, 1917.
COLLECTOR: R. C. Andrews and E. Heller (AZE). Original number 1527.
CONDITION: Skin and skull complete.

***Chodsigoa hypsibia parva*** G. M. Allen
Am. Mus. Novitates 100: 5–6, December 28, 1923.
= *Soriculus lamula parva* (Allen). See Hoffman, J. Bombay Nat. Hist. Soc. 82: 471, 1986.
HOLOTYPE: **44390**. Skin and skull. Adult male.
LOCALITY: China: (Yunnan); Li-chiang, Ssu-san-chong, 9000 ft (2745 m). October 12, 1916.
COLLECTOR: R. C. Andrews and E. Heller (AZE). Original number 379.
CONDITION: Skin complete. Skull broken.

***Chodsigoa smithii parca*** G. M. Allen
Am. Mus. Novitates 100: 6–7, December 28, 1923.
= *Soriculus parca* (Allen). See Hoffman, J. Bombay Nat. Hist. Soc. 82: 475, 1986.
HOLOTYPE: **44409**. Skin and skull. Adult male.
LOCALITY: China: (Yunnan); Ho-mu-shu Pass, 8000 ft (2440 m). April 6, 1917.
COLLECTOR: R. C. Andrews and E. Heller (AZE). Original number 1850.
CONDITION: Skin complete, with bald spots. Skull complete.

***Chodsigoa smithii furva*** Anthony
Publ. Field Mus. Nat. Hist. Zool. 27: 71–72. December 8, 1941.
= *Soriculus parca furva* (Anthony). See Hoffman, J. Bombay Nat. Hist. Soc. 82: 476, 1986.
HOLOTYPE: **114620**. Skin, skull, carcass in alcohol. Adult male.
LOCALITY: Northern Burma: Imwaw Bumm, 9000 ft (2745 m). January 21, 1939.
COLLECTOR: H. E. Anthony (VC). Original number 3858.
CONDITION: Skin, skull, and carcass complete.

## Genus ***BLARINA*** Gray

***Blarina costaricensis*** J. A. Allen
Bull. Am. Nat. Hist. 3: 205–206, April 17, 1891.
= *Blarina brevicauda* (Say). See Merriam, N. Am. Fauna 10: 10, December 31, 1895.
HOLOTYPE: **3642/2800**. Body in alcohol, skull extracted. Adult.
LOCALITY: Costa Rica: La Carpintera (see Comment). October 1890.
COLLECTOR: G. K. Cherrie. Original number unknown.
CONDITION: Alcoholic, skull cleaned.
COMMENT: Locality actually unknown. The specimen had no label when it reached Allen. Merriam gives the locality as Upper Mississippi valley where Cherrie lived just before going to Costa Rica. Allen disputed this determination and quoted Cherrie's reiteration that specimen was collected in Costa Rica.

## Genus ***CRYPTOTIS*** Pomel

***Blarina montivaga*** Anthony
Am. Mus. Novitates 20: 5, November 3, 1921.
= *Cryptotis montivaga* (Anthony). See Cabrera, Gen. Mamm. Insectiv. Galeopith., p. 134, 1925.
HOLOTYPE: **47200**. Skin and Skull. Adult female.
LOCALITY: Ecuador: (Azuay); Bestion, 10,000 ft (3050 m). January 15, 1921.
COLLECTOR: H. E. Anthony. Original number 2534.
CONDITION: Skin and skull complete.

***Blarina (Cryptotis) squamipes*** J. A. Allen
Bull. Am. Nat. Hist. 31: 93–94, April 19, 1912.
= *Cryptotis squamipes* (Allen). See Tate, J. Mammal. 31: 225, August 1932.
HOLOTYPE: **32378**. Skin and skull. Adult male.
LOCALITY: Colombia: Cauca; coastal range W of Popayán, 10,340 ft (3153 m). July 17, 1911.
COLLECTOR: L. E. Miller. Original number 286.
CONDITION: Skin complete. Skull partial (braincase missing).

***Blarina (Soriscus) nigrescens*** J. A. Allen
Bull. Am. Nat. Hist. 7: 339–340, November 8, 1895.
= *Cryptotis nigrescens* (Allen). See Miller, Proc. Biol. Soc. Washington 24: 222, October 31, 1911.

HOLOTYPE: **9591/7952**. Skin and skull. Unsexed adult.
LOCALITY: Costa Rica: San Isidro (= San Jose). September 5, 1891.
COLLECTOR: G. K. Cherrie. Original number 2004.
CONDITION: Skin complete, with bald spots. Skull complete.

***Cryptotis tersus*** Goodwin
Am. Mus. Novitates 1677: 1, June 28, 1954.
= *Cryptotis nigrescens nigrescens* (Allen). See Choate, Univ. Kansas Publ. Mus. Nat. Hist. 19: 279, December 30, 1970.
HOLOTYPE: **164495**. Skin, skull, carcass in alcohol. Adult male.
LOCALITY: Panama: Chiriqui; Santa Clara (86°51'N, 82°46'W). January 1953.
COLLECTOR: Dr. F. A. Hartman. Original number unknown.
CONDITION: Skin complete. Skull partial. Carcass complete.

***Blarina (Soriscus) orophila*** J. A. Allen
Bull. Am. Nat. Hist. 7: 340, November 8, 1895.
= *Cryptotis parva orophila* (Allen). See Choate, Univ. Kansas Publ. Mus. Nat. Hist. 19: 262–263, December 30, 1970.
HOLOTYPE: **9640/9558**. Skin and skull. Unsexed adult.
LOCALITY: (Costa Rica): Irazu Range (= Volcán de Irazu). February 1894.
COLLECTOR: G. K. Cherrie. Original number unknown.
CONDITION: Skin complete. Skull partial (braincase missing). Specimen originally in alcohol.

***Blarina olivaceus*** J. A. Allen
Bull. Am. Nat. Hist. 24: 669, October 13, 1908.
= *Cryptotis parva orophila* (Allen). See Choate, Univ. Kansas Publ. Mus. Nat. Hist. 19: 262–263, December 30, 1970.
HOLOTYPE: **28356**. Skin and skull. Adult female.
LOCALITY: Nicaragua: San Rafael del Norte, 5000 ft (1525 m). April 12, 1907.
COLLECTOR: W. B. Richardson. Original number 41.
CONDITION: Skin complete. Skull partial (braincase missing).
COMMENT: Neal Woodman (1991) left note in collection that type specimen may be male, because he found "well developed flank glands."

***Cryptotis celatus*** Goodwin
Am. Mus. Novitates 1791: 1, September 28, 1956.
= *Cryptotis parva pueblensis* Jackson. See Choate, Univ. Kansas Publ. Mus. Nat. Hist. 19: 264–265, December 30, 1970.
HOLOTYPE: **145838**. Skin and skull. Adult male.
LOCALITY: Mexico: Oaxaca; Tehuantepec, Las Cuevas. December 15, 1947.
COLLECTOR: T. MacDougall. Original number 623.
CONDITION: Skin and skull complete.

***Cryptotis mexicana madrea*** Goodwin
Am. Mus. Novitates 1670: 1, June 28, 1954.
= *Cryptotis mexicana obscura* (Merriam). See Choate, Univ. Kansas Publ. Mus. Nat. Hist. 19: 235, December 30, 1970.
HOLOTYPE: **147901**. Skin and skull. Adult male.
LOCALITY: Mexico: Tamaulipas; Rancho del Cielo 5 mi (1.5 km) NW Gomez Fariás. July 7, 1951.
COLLECTOR: M. Martin. Original number 325.
CONDITION: Skin complete, with bald spots. Skull complete.

## Genus *ANOUROSOREX* Milne-Edwards

***Anourosorex squamipes capnias*** G. M. Allen
Am. Mus. Novitates 100: 10–11, December 28, 1923.
= *Anourosorex squamipes squamipes* Milne-Edwards. See G. M. Allen, The Mammals of China and Mongolia, Natural History of Central Asia, 11(1): 138, September 2, 1938.
HOLOTYPE: **44505**. Skin and Skull. Adult male.
LOCALITY: China: Yunnan; Chung-Tien district, To-mu-lang, 10,000 ft (3050 m). December 3, 1916.
COLLECTOR: R. C. Andrews and E. Heller (AZE). Original number 1132.
CONDITION: Skin and skull complete.

***Anourosorex assamensis capito*** G. M. Allen
Am. Mus. Novitates 100: 11, December 28, 1923.

= *Anourosorex squamipes squamipes* Milne-Edwards. See G. M. Allen, The Mammals of China and Mongolia, Natural History of Central Asia, 11(1): 138, September 2, 1938.
HOLOTYPE: **44510**. Skin and skull. Adult male.
LOCALITY: China: Yunnan; Salweeen drainage, Mu-cheng, 7000 ft (2135 m). February 10, 1917.
COLLECTOR: R. C. Andrews and E. Heller (AZE). Original number 1483.
CONDITION: Skin and skull complete.

Subfamily **CROCIDURINAE** Milne-Edwards
Genus ***SUNCUS*** Ehrenberg

***Pachyura palawanensis*** Taylor
Philippine land mammals, Monogr. Bur. Sci. Manila 30: 78, 1934.
= *Suncus murinus* (Linnaeus). See Corbet and Hill, The mammals of the Indomalayan region, a systematic review, p. 36, 1992.
HOLOTYPE: **241700**. Skin and skull. Adult female.
LOCALITY: Philippines: Palawan Island, Taytay. May 1913.
COLLECTOR: E. H. Taylor. Original number 89.
CONDITION: Skin complete but faded, with bald spots. Skull complete.

Genus ***CROCIDURA*** Wagler

***Crocidura kijabe*** J. A. Allen
Bull. Am. Nat. Hist. 25: 173, March 19, 1909.
= *Crocidura olivieri nyansae* Neuman. See Maddalena et al., Z. Säugetierk. 52: 129, 1987.
HOLOTYPE: **27890**. Skin and skull. Adult female.
LOCALITY: British East Africa (= Kenya): Kijabe. June 2, 1906.
COLLECTOR: R. Tjader and H. Lang (TEA). Original skin number 62, Original skull number 17.
CONDITION: Skin and skull complete.

***Crocidura oritis*** Hollister
Bull. Am. Nat. Hist. 35: 666, October 21, 1916.
= *Crocidura littoralis* Heller. See Dieterlen and Heim de Balsac, Säugetierk. Mitt. 27: 241–287, 1979.
HOLOTYPE: **48510**. Skin and skull. Adult male.
LOCALITY: Congo (= Zaire): (Haut Zaire); Ituri River, Avakubi. July 6, 1914.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 2530.
CONDITION: Skin and skull complete.

***Crocidura caliginea*** Hollister
Bull. Am. Nat. Hist. 35: 664–665, October 21, 1916.
HOLOTYPE: **48555**. Skin and skull. Adult female.
LOCALITY: Congo (= Zaire): (Haut Zaire); Medje. July 8, 1914.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 2451.
CONDITION: Skin and skull complete.

***Crocidura latona*** Hollister
Bull. Am. Nat. Hist. 35: 667–668, October 21, 1916.
HOLOTYPE: **48610**. Skin and skull. Adult male.
LOCALITY: Congo (= Zaire): (Haut Zaire); Medje. March 17, 1910.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 773.
CONDITION: Skin and skull complete.

***Crocidura ludia*** Hollister
Bull. Am. Nat. Hist. 35: 668–669, October 21, 1916. See Hutterer and Dippenaar, Bonn Zool. Beitr. 38: 1–7, 1987.
HOLOTYPE: **48566**. Skin and skull. Adult male.
LOCALITY: Congo (= Zaire): (Haut Zaire); Medje. May 16, 1914.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 2366.
CONDITION: Skin complete. Skull partial (part of braincase missing).

***Crocidura polia*** Hollister
Bull. Am. Nat. Hist. 35: 669–670, October 21, 1916.
HOLOTYPE: **48559**. Skin and skull. Adult male.
LOCALITY: Congo (= Zaire): (Haut Zaire); Medje. July 1, 1914.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 2442.

CONDITION: Skin complete. Skull partial (braincase broken).

***Crocidura congobelgica*** Hollister
Bull. Am. Nat. Hist. 35: 670–671, October 21, 1916.
HOLOTYPE: **48512**. Skin and skull. Adult male.
LOCALITY: Congo (= Zaire): (Haut Zaire); Lubila near Bafwasende. September 20, 1909.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 122.
CONDITION: Skin complete. Skull broken (braincase).
COMMENT: The left dentary is from a specimen of another species (Hutterer, personal commun., 1992). Hollister's (1916: 671) measurements of the mandibular toothrows show a difference between them of 0.4 mm; it is the dentary with the longer toothrow that does not belong with 48512.

***Crocidura luimbalensis*** Hill and Carter
Am. Mus. Novitates 937: 1–2, July 13, 1937.
= *Crocidura hirta deserti* Schwann. See Heim de Balsac and Meester, *in* Meester and Setzer, (eds.), The mammals of Africa: an identification manual, pt. 1: 17, 1971.
HOLOTYPE: **85071**. Skin and skull. Adult male.
LOCALITY: Angola; (Huambo); Luimbale (= Londuimbali). October 7, 1926.
COLLECTOR: C. P. Chapman. Original number 17.
CONDITION: Skin complete. Skull partial (bullae and occiput missing).

***Crocidura cuanzensis*** Hill and Carter
Am. Mus. Novitates 937: 2–3, July 13, 1937.
= *Crocidura (Afrosorex) parvipes* Osgood. See Hutterer, Cimbebasia 8A: 31, 1986.
HOLOTYPE: **85558**. Skin and skull. Adult male.
LOCALITY: Angola: (Bié); Chitau. August 10, 1925.
COLLECTOR: H. Lang (VA). Original number 534.
CONDITION: Skin complete. Skull partial (left bulla missing).

***Crocidura chitauensis*** Hill and Carter
Am. Mus. Novitates 937: 3, July 13, 1937.
= *Crocidura (Afrosorex) parvipes* Osgood. See Hutterer, Cimbebasia 8A: 31, 1986.
HOLOTYPE: **85566**. Skin and skull. Adult female.
LOCALITY: Angola: (Bié); Chitau. August 4, 1925.
COLLECTOR: H. Lang (VA). Original number 429.
CONDITION: Skin complete. Skull partial (right dentary and bulla missing).

***Crocidura dracula mansumensis*** Carter
Am. Mus. Novitates 1208: 1, November 12, 1942.
= *Crocidura fulginosa dracula* Thomas. See Jenkins, Bull. Br. Mus. Nat. Hist. Zool. 30: 285, November 25, 1976.
HOLOTYPE: **113034**. Skin and skull. Adult female.
LOCALITY: Burma: Kachin; Mansum, 3200 ft (976 m). January 22, 1935.
COLLECTOR: H. C. Raven (VHC). Original number 71.
CONDITION: Skin complete. Skull partial (right bulla separated, left bulla missing).

***Crocidura lar*** G. M. Allen
Am. Mus. Novitates 317: 1, May 19, 1928.
= *Crocidura suaveolens suaveolens* (Pallas). See Corbet, Mammals of the Palaearctic region, a taxonomic review, p. 27, 1978.
HOLOTYPE: **59940**. Skin only. Adult male.
LOCALITY: Mongolia: (Bayanhongor); Central Gobi Desert, Tsagan Nor (= Bööntsagaan Nuur). August 3, 1922.
COLLECTOR: R. C. Andrews (AE3). Original number 1710.
CONDITION: Skin complete.

***Crocidura suaveolens mordeni*** Goodwin
Am. Mus. Novitates 742: 1, August 27, 1934.
= *Crocidura suaveolens suaveolens* (Pallas). See Corbet, Mammals of the Palaearctic region, a taxonomic review, p. 27, 1978.
HOLOTYPE: **85315**. Skin and skull. Adult female.
LOCALITY: Kazakhstan; Tuz Bulak, 600 ft (183 m). October 21, 1929.
COLLECTOR: G. G. Goodwin (MGN). Original number 49.
CONDITION: Skin and skull complete.

***Crocidura hyrcania*** Goodwin
Am. Mus. Novitates 1062: 1–2, July 19, 1940.
= *Crocidura suaveolens suaveolens* (Pallas). See Corbet, Mammals of the Palaearctic region, a taxonomic review, p. 27, 1978.

HOLOTYPE: **88738**. Skin and skull. Adult male.
LOCALITY: Iran: Mazandaran; 50 km NE Astrabad (= Gorgan), Turkman Plains, Gurgan River. October 30, 1938.
COLLECTOR: G. G. Goodwin (LIE). Original number 3733.
CONDITION: Skin and skull complete.

***Crocidura astrabadensis*** Goodwin
Am. Mus. Novitates 1082: 3, July 18, 1940.
= *Crocidura suaveolens suaveolens* (Pallas). See Corbet, Mammals of the Palaearctic region, a taxonomic review, p. 27, 1978.
HOLOTYPE: **88735**. Skin and skull. Adult female.
LOCALITY: Iran: Mazandaran; 40 km E Astrabad (= Gorgan), Dar Kalen. October 23, 1938.
COLLECTOR: G. G. Goodwin (LIE). Original number 3679.
CONDITION: Skin and skull complete.

***Crocidura ilensis phaeopus*** G. M. Allen
Am. Mus. Novitates 100: 7, December 28, 1923.
= *Crocidura suaveolens shantungensis* Miller. See Corbet, Mammals of the Palaearctic region, a taxonomic review, p. 27, 1978.
HOLOTYPE: **56013**. Skin and skull. Adult female.
LOCALITY: China: Szechuan (= Sichuan); Wanhsien (= Wanxien). November 2, 1921.
COLLECTOR: W. Granger (AE3). Original number 143.
CONDITION: Skin and skull complete.
COMMENT: Corbet and Hill (1992: 45) regarded the inclusion of *shantungensis* in *C. suaveolens* as "very provisional."

***Crocidura rapax*** G. M. Allen
Am. Mus. Novitates 100: 9–10, December 28, 1923.
HOLOTYPE: **44321**. Skin and skull. Adult male.
LOCALITY: China: Yunnan; Mekong River, Yinp-pankai (= Yingpanjie), 9000 ft (2745 m). December 25, 1916.
COLLECTOR: R. C. Andrews and E. Heller (AZE). Original number 1258.
CONDITION: Skin with ventral tears. Skull complete.
COMMENT: Corbet and Hill (1992: 45) questionably listed *rapax* in the synonymy of *C. gueldenstaedtii*, but also allowed the possibility that it was conspecific with *C. suaveolens*. Hutterer (1993: 94) included *rapax* in *C. pullata*, the label he provisionally used to cover the Asian populations of what had been called *C. russula*. I list *rapax* as a subspecies until indicated otherwise by results of systematic revision of these groups.

***Crocidura vorax*** G. M. Allen
Am. Mus. Novitates 100: 8–9, December 28, 1923.
HOLOTYPE: **44383**. Skin and skull. Adult male.
LOCALITY: (China): (Yunnan); Snow Mountains, Lichiang (Dayan), 12000 ft (3660 m). October 15, 1916.
COLLECTOR: R. C. Andrews and E. Heller (AZE). Original number 432.
CONDITION: Skin and skull complete.
COMMENT: Another taxon questionably listed in the synonymy of *C. gueldenstaedtii* by Corbet and Hill (1992: 45) and one they suggested might be also be conspecific with *C. suaveolens*; and also included, along with *rapax*, in *C. pullata* by Hutterer (1993: 94).

***Crocidura palawanensis*** Taylor
Philippine land mammals, Monogr. Bur. Sci, Manila 30: 88, 1934.
HOLOTYPE: **241679**. Skin, skull, carcass in alcohol. Adult male.
LOCALITY: Philippines: Palawan Island, Brooke's Point. September 29, 1923.
COLLECTOR: E. H. Taylor. Original number 55.
CONDITION: Skin complete. Skull partial (bullae missing). Carcass complete.
COMMENT: Listed by Corbet and Hill (1992: 41) as a questionable synonym of *C. fuliginosa*, but listed as a species by Hutterer (1993: 92).

## Genus ***SYLVISOREX*** Thomas

***Sylvisorex oriundus*** Hollister
Bull. Am. Nat. Hist. 35: 672–673, October 21, 1916.
HOLOTYPE: **48554**. Skin and skull. Adult female.
LOCALITY: Belgian Congo (= Zaire): Oriental (= Haut Zaire); Medje. May 20, 1914.

COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 2368.
CONDITION: Skin complete. Skull broken (braincase in pieces).

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Order **CHIROPTERA** Blumenbach

Family **PTEROPODIDAE** Gray
Subfamily **PTEROPODINAE** Gray
Genus ***MEGAEROPS*** Peters

***Megaerops wetmorei*** Taylor
Monogr. Bur. Sci. Manila 30: 191, 1934.
HOLOTYPE: **241710**. Skin and skull. Adult female.
LOCALITY: Philippine Islands: Mindanao; Cotobato near Tatayan. March 1923.
COLLECTOR: E. H. Taylor. Original number 770.
CONDITION: Skin and skull complete.

Genus ***EPOMOPS*** Gray

***Epomops dobsonii*** (Bocage, 1889)
J. Sci. Math. Phys. Nat. Lisboa, ser. 2, 1: 1.
NEOTYPE: **88068**. Skin and skull. Adult male.
LOCALITY: Angola, Chitau, 4930 ft (1503 m). February 27, 1933.
COLLECTOR: Phipps, Bradley Expedition. Original number 902.
CONDITION: Skin and skull complete.
COMMENT: Bergmans (1989: 117–121) explained why he thought it necessary to designate a neotype.

Genus ***PTEROPUS*** Erxleben

***Pteropus goweri*** Tate
Am. Mus. Novitates 718: 1, May 4, 1934.
= *Pteropus admiralitatum goweri* Tate. See Laurie and Hill, List of land mammals of New Guinea, Celebes and adjacent islands 1758–1952, p. 33, 1954.
HOLOTYPE: **87201**. Skin and skull. Adult male.
LOCALITY: Solomon Islands: Gower Island (= Ndai Island). September 19, 1930.
COLLECTOR: J. B. Riddell (WSS). Original number 40385.
CONDITION: Skin missing. Skull complete.
COMMENT: The skin was not found by Goodwin (1953) and I have not been able to locate it.

***Pteropus tokudae*** Tate
Am. Mus. Novitates 713: 1–2, April 11, 1934.
HOLOTYPE: **87117**. Skin and skull. Adult male.
LOCALITY: Mariana Islands: Guam. August 10, 1931.
COLLECTOR: W. F. Coultas (WSS). Original number 41674.
CONDITION: Skin complete. Skull partial (right bulla missing).

***Pteropus macmillani*** Tate
Am. Mus. Novitates 1213: 1, December 8, 1943.
= *Pteropus vetulus* Jouan. See Felten, Senckenberg Biol. 45: 680, 1964.
HOLOTYPE: **135817**. Skin and skull. Adult female.
LOCALITY: New Caledonia: Tao, slopes of Mount Panie, 4000 ft (1220 m). August 9, 1939.
COLLECTOR: L. Macmillan. Original number 3.
CONDITION: Skin and skull complete.

***Pteropus banksiana*** Sanborn
Am. Mus. Novitates 435: 1–2, October 16, 1930.
= *Pteropus anetianus banksiana* Sanborn. See Felten and Kock, Senckenberg Biol. 53: 182. August 31, 1972.
HOLOTYPE: **79986**. Skin and skull. Adult male.
LOCALITY: Banks Islands: Bligh Island (= Ureparapara Island). November 16, 1926.
COLLECTOR: F. P. Drowne (WSS). Original number unknown.
CONDITION: Skin complete, with bald spots. Skull complete.

***Pteropus nitendiensis*** Sanborn
Am. Mus. Novitates 435: 2, October 16, 1930.
HOLOTYPE: **75186**. Skin and skull. Adult male.
LOCALITY: (Solomon Islands): Santa Cruz Islands; Santa Cruz Island (= Ndeni Island). February 24, 1927.
COLLECTOR: F. P. Drowne (WSS). Original number 24787.
CONDITION: Skin complete. Skull partial (basiocciput missing).

***Pteropus tablasi*** Taylor
Monogr. Bur. Sci., Manila 30: 169, 1934.
= *Pteropus pumilus* Miller. See Klingener and

Creighton, Proc. Biol. Soc. Washington, 97: 395–400, 1984.
HOLOTYPE: **241737**. Skin, skull, carcass in alcohol. Immature female.
LOCALITY: Philippines: Tablasi Island; Odiongan. January 1923.
COLLECTOR: E. H. Taylor. Original number 312.
CONDITION: Skin foxed and has bald spots. Skull complete. Carcass intact.

***Pteropus gilliardi*** Van Deusen
Am. Mus. Novitates 2371: 5, 1969.
HOLOTYPE: **194292**. Skin and skull. Subadult male.
LOCALITY: (Papua New Guinea): New Britain (= West New Britain); Whiteman Rge, Wild Dog Mt., Camp 12, 5200 ft (1586 m). December 21, 1958.
COLLECTOR: M. Gilliard. Original number 34.
CONDITION: Skin and skull complete.

Genus ***PARANYCTIMENE*** Tate

***Paranyctimene raptor*** Tate
Am. Mus. Novitates 1204: 1, October 23, 1942.
HOLOTYPE: **105165**. Skin and skull. Adult female.
LOCALITY: Papua (= Papua New Guinea): (Western); Upper Fly River, Oroville Camp, 4 mi (7 km) below Elevala River. August 11, 1936.
COLLECTOR: G. H. Tate (A2). Original number A2537.
CONDITION: Skin complete. Skull broken (right lower braincase in pieces).

Subfamily **MACROGLOSSINAE** Gray
Genus ***EONYCTERIS*** Dobson

***Eonycteris longicauda*** Taylor
Monogr. Bur. Sci. Manila 30: 131, 1934.
= *Eonycteris major robusta* Miller. See Tate, Bull. Am. Mus. Nat. Hist. 80: 344, December 31, 1942.
HOLOTYPE: **241751**. Skin, skull, carcass in alcohol. Adult male.
LOCALITY: Philippines: Luzon Island; Rewgal, Montalban Caves. January 1923.
COLLECTOR: E. H. Taylor. Original number 561.
CONDITION: Skin faded and with bald spots. Skull complete. Carcass complete.
COMMENT: Heaney et al. (1987) regarded *robusta* as a species distinct from *E. major*.

Genus ***MACROGLOSSUS*** F. Cuvier

***Macroglossus fructivorus*** Taylor
Monogr. Bur. Sci. Manila 30: 125, 1934.
= *Macroglossus minimus lagochilus* (Matschie). See Heaney and Rabor, Occas. Pap. Mus. Zool. Univ. Michigan 699: 12, April 29, 1982.
HOLOTYPE: **241777**. Skull, skinned carcass in alcohol. Immature male.
LOCALITY: Philippine Islands: Mindanao Island; Cotobato, Tatayan. March 5, 1923.
COLLECTOR: E. H. Taylor. Original number 710.
CONDITION: Skull and carcass complete.

Family **EMBALLONURIDAE** Gervais
Genus ***EMBALLONURA*** Temminck

***Emballonura alecto palawanensis*** Taylor
Monogr. Bur. Sci. Manila 30: 197, 1934.
HOLOTYPE: **241780**. Adult female and embryo in alcohol.
LOCALITY: Philippine Islands: Palawan Island, Iwahig River, base of Thumb Peak. October 23, 1923.
COLLECTOR: E. H. Taylor. Original number 72.
CONDITION: Complete.

Genus ***RHYNCHONYCTERIS*** Peters

***Vespertilio naso*** Wied
Reise nach Brasilien 1: 251fn, 1820. See Avila-Pires, Am. Mus. Novitates 2209: 9, February 17, 1965.
= *Rhynchonycteris naso* (Wied-Neuwied). See Peters, Monatsber. Akad. Wiss. Berlin 1862: 477, 1867.
HOLOTYPE: **386**. Skin containing skull. Adult.
LOCALITY: Brazil, Bahia; Rio Mucuru, vicinity of Morro d'Arara. 1815–1817.
COLLECTOR: Maximilian Wied-Neuwied.
CONDITION: Complete but fragile, pelage faded.
COMMENT: This specimen is housed in an archival container; its construction was described by Lawrence and Genett (1988).

Genus ***SACCOPTERYX*** Illiger

***Saccopteryx perspicillifer*** Miller
Bull. Am. Nat. Hist. 12: 176–178, October 20, 1899.
= *Saccopteryx bilineata perspicillifer* Miller. See Goodwin and Greenhall, Bull. Am. Mus. Nat. Hist. 122: 213, June 26, 1961.
HOLOTYPE: **7508**. Body in alcohol, skull removed. Adult male.
LOCALITY: (Trinidad and Tobago): Trinidad; Caura. April 21, 1894.
COLLECTOR: F. M. Chapman. Original number 929.
CONDITION: Alcoholic, skull cleaned.

Genus ***PEROPTERYX*** Peters

***Peropteryx trinitatis*** Miller
Bull. Am. Nat. Hist. 12: 178–181, October 29, 1899.
= *Peropteryx macrotis trinitatis* Miller. See Sanborn, Publ. Field Mus. Nat. Hist., Zool. 20: 341, December 18, 1937.
HOLOTYPE: **7496**. Body in alcohol, skull removed. Adult female.
LOCALITY: (Trinidad and Tobago): Trinidad; Port-of-Spain. April 27, 1894.
COLLECTOR: F. M. Chapman. Original number 956.
CONDITION: Alcoholic, skull cleaned.

Genus ***TAPHOZOUS*** E. Geoffroy

***Taphozous troughtoni*** Tate
Bull. Am. Nat. Hist. 97: 607, March 27, 1952.
HOLOTYPE: **162708**. Skin and skull. Adult female.
LOCALITY: Australia: Northwest Queensland; Rifle Creek, 10 mi (16 km) E Mount Isa. October 13, 1948.
COLLECTOR: G. H. H. Tate. Original number 11609.
CONDITION: Skin and skull complete.
COMMENT: Chimimba and Kitchener (1991) demonstrated that this is a species and not a subspecies of *georgianus*.

Family **NYCTERIDAE** Van der Hoeven
Genus ***NYCTERIS***
G. Cuvier and E. Geoffroy

***Nycteris avakubia*** J. A. Allen
Bull. Am. Nat. Hist. 37: 426, September 29, 1917.
= *Nycteris major* (Anderson). See Koopman, Am. Mus. Novitates 2219: 6, June 22, 1965.
HOLOTYPE: **49403**. Body in alcohol, skull removed. Adult male.
LOCALITY: Congo (= Zaire): (Haut-Zaire); Avakubi. September 1913.
COLLECTOR: H. Lang and J. Chapin (LCC). Original number 2623.
CONDITION: Alcoholic, skull cleaned.

***Nycteris pallida*** J. A. Allen
Bull. Am. Nat. Hist. 37: 425, September 29, 1917.
= *Nycteris hispida* (Schreber). See Verchuren, Explor. Parc Nat. Garamba Miss. H. de Saeger 7: 257–258, 1957.
HOLOTYPE: **49144**. Skin and skull. Adult male.
LOCALITY: Congo (= Zaire): (Haut-Zaire;) Faradje. March 1, 1912.
COLLECTOR: H. Lang and J. Chapin (AMC). Original number 1858.
CONDITION: Skin complete. Skull broken (right anterior braincase crushed).

Family **RHINOLOPHIDAE** Gray
Subfamily **RHINOLOPHINAE** Gray
Genus ***RHINOLOPHUS*** Lacepede

***Rhinolophus abae*** J. A. Allen
Bull. Am. Nat. Hist. 37: 428–429, September 29, 1917.
= *Rhinolophus fumigatus abae* Allen. See Koopman, Am. Mus. Novitates 2219: 6, 1965.
HOLOTYPE: **49113**. Skin and skull. Adult female.
LOCALITY: Congo (= Zaire): Uele (= Haut-Zaire); Aba. December 15, 1911.
COLLECTOR: H. Lang and J. Chapin (AMC). Original number 1756.
CONDITION: Skin complete. Skull damaged.

***Rhinolophus axillaris*** J. A. Allen
Bull. Am. Nat. Hist. 37: 428–429, Septmber 29, 1917.
= *Rhinolophus landeri lobatus* Peters. See Hayman (in Sanderson) Trans. Zool. Soc. London 24: 623–625, 1940.
HOLOTYPE: **49175**. Skin and skull. Adult male.
LOCALITY: Congo (= Zaire): Uele (= Haut-Zaire); Aba. December 17, 1911.

COLLECTOR: H. Lang and J. Chapin (AMC). Original number 1807.
CONDITION: Skin complete. Skull broken (cranium in fragments).

***Rhinolophus clivosus hillorum*** Koopman
Am. Mus. Novitates 2946: 4, June 28, 1989.
HOLOTYPE: **257044**. Body in alcohol, skull extracted. Adult female.
LOCALITY: Liberia: Lofa County; near Zozoma, 2 mi (3 km) SW Voinjama, 500 m. September 3, 1983.
COLLECTOR: A. S. Voros. Original number 5924.
CONDITION: Alcoholic, skull cleaned.

***Rhinolophus blythi calidus*** G. M. Allen
Am. Mus. Novitates 85: 1, August 28, 1923.
= *Rhinolophus pusillus calidus* G. M. Allen. See Hill and Yoshiyuki, Bull. Nat. Sci. Mus. Tokyo 6A: 186, September 22, 1980.
HOLOTYPE: **44692**. Skin and skull. Adult female.
LOCALITY: China: Fukien (Fujian); Yenping (= Nanping). June 17, 1916.
COLLECTOR: R. C. Andrews (AZE). Original number 25.
CONDITION: Skin damaged (split at throat). Skull complete.

***Rhinolophus pagi*** Tate
Am. Mus. Novitates 1036: 7–8, August 11, 1939.
= *Rhinolophus pusillus pagi* Tate. See Hill and Yoshiyuki, Bull. Nat. Sci. Mus. Tokyo 6A: 49, September 22, 1980.
HOLOTYPE: **103333**. Skin and skull. Adult male.
LOCALITY: Netherlands East Indies (= Indonesia): Mentawi Islands; North Pagi Island. January 19, 1935.
COLLECTOR: J. J. Menden. Original number 249.
CONDITION: Skin complete. Skull damaged (left bulla detached).

***Rhinolophus blythi parcus*** G. M. Allen
Am. Mus. Novitates 317: 2, May 19, 1928.
= *Rhinolophus pusillus parcus* G. M. Allen. See Hill and Yoshiyuki, Bull. Nat. Sci. Mus. Tokyo 6A: 186, September 22, 1980.
HOLOTYPE: **58465**. Skin and skull. Adult.
LOCALITY: China: Hainan; Nodoa (= Dan Xian). December 8, 1922.
COLLECTOR: C. Pope (AE3). Original number 42.
CONDITION: Skin complete. Skull complete (braincase repaired).

***Rhinolophus borneensis parvus*** R. E. Goodwin
Bull. Am. Nat. Hist. 163: 102–105, April 30, 1979.
= *Rhinolophus celebensis parvus* Goodwin. See Hill, Bull. Br. Mus. (Nat. Hist.) 45: 144, 1983.
HOLOTYPE: **237766**. Skin and skull. Adult male.
LOCALITY: (Indonesia): Timor Island, Fatu Maca, Lia Hoo Cave, 11 km S Baucau, 550 m. March 27, 1968.
COLLECTOR: R. E. Goodwin. Original number B-16.
CONDITION: Skin and skull complete.

***Rhinolophus bunkeri*** Taylor
Monogr. Bur. Sci. Manila 30: 228, 1934.
= *Rhinolophus subrufus bunkeri* Taylor. See Lawrence, Bull. Mus. Comp. Zool. 86: 52–53, November 1939.
HOLOTYPE: **241807**. In alcohol, skull extracted. Adult female.
LOCALITY: Philippines: Mindanao Island, Cotabato; Saub. April 26, 1923.
COLLECTOR: E. H. Taylor. Original number EHT 367.
CONDITION: Skin and skull complete.

***Rhinolophus creaghi timorensis*** R. E. Goodwin
Bull. Am. Nat. Hist. 163: 105–112, April 30, 1979.
= *Rhinolophus canuti timorensis* R. E. Goodwin. See Hill and Schlitter, Ann. Carnegie Mus. 51: 458, December 3, 1982.
HOLOTYPE: **237783**. Skin and skull. Adult male.
LOCALITY: (Indonesia): Timor Island, Fatu Maca, Lia Hoo Cave, 11 km S Baucau, 550 m. March 27, 1968.
COLLECTOR: R. E. Goodwin. Original number 5.
CONDITION: Skin and skull complete.

***Rhinolophus episcopus*** G. M. Allen
Am. Mus. Novitates 85: 2–3, August 28, 1923.
= *Rhinolophus macrotis episcopus* Allen. See Tate, Am. Mus. Novitates 1219: 2, February 17, 1943.

HOLOTYPE: **56895**. Skin and skull. Adult male.
LOCALITY: China: Szechuan (= Sichuan); Wanshien (= Wan Xian). October 9, 1921.
COLLECTOR: W. Granger (AE3). Original number 42.
CONDITION: Skin and skull complete.

***Rhinolophus episcopus caldwelli*** G. M. Allen
Am. Mus. Novitates 85: 3, August 28, 1923.
= *Rhinolophus macrotis caldwelli* Allen. See Tate, Am. Mus. Novitates 1219: 2, February 17, 1943.
HOLOTYPE: **44771**. Skin and skull. Adult female.
LOCALITY: China: Fukien (= Fujian); Yuki (= You Xi). October 31, 1916.
COLLECTOR: H. R. Caldwell. Original number 50.
CONDITION: Skin complete but plagiopatagium slit. Skull partial (left zygomatic arch missing).

***Rhinolophus hainanus*** J. A. Allen
Bull. Am. Nat. Hist. 22: 482–483, December 17, 1906.
= *Rhinolophus affinis hainanus* Allen. See G. M. Allen, The mammals of China and Mongolia 11(1): 171, September 2, 1938.
HOLOTYPE: **26748**. Skin and skull. Adult female.
LOCALITY: China: Hainan Island; Pouten (= ?Puqian). July 2, 1904.
COLLECTOR: A. Owston. Original number 18.
CONDITION: Skin complete. Skull partial (basicranium missing).

***Rhinolophus lanosus spurcus*** G. M. Allen
Am. Mus. Novitates 317: 3, May 19, 1928.
= *Rhinolophus luctus spurcus* Allen. See Ellerman and Morrison-Scott, Checklist of palaearctic and Indian mammals, p. 122, November 19, 1951.
HOLOTYPE: **58444**. Skin and skull. Adult male.
LOCALITY: China: Hainan; Nodoa (= Dan Xian). December 4, 1922.
COLLECTOR: C. Pope.(AE3). Original number 9.
CONDITION: Skin and skull complete.

***Rhinolophus maros*** Tate
Am. Mus. Novitates 1036: 9, August 11, 1939.
= *Rhinolophus philippinensis maros* Tate. See Tate, Am. Mus. Novitates 1219: 2, February 17, 1943.
HOLOTYPE: **102347**. Skin and skull. Adult female.
LOCALITY: Netherlands East Indies (Indonesia): South Celebes (= Southwestern Sulawesi); Maros, Talassa. November 9, 1931.
COLLECTOR: G. H. Heinrich. Original number 541.
CONDITION: Skin and skull complete.

***Rhinolophus maros robertsi*** Tate
Am. Mus. Novitates 1578: 1–3, July 30, 1952.
= *Rhinolophus philippinensis robertsi* Tate. See Koopman, Am. Mus. Novitates 2778: 9, January 31, 1984.
HOLOTYPE: **157070**. Skin and skull. Adult male.
LOCALITY: Australia: Queensland; Mount Amos, Phoenician Tin Mine, 2000 ft (610 m). August 27, 1950.
COLLECTOR: J. Roberts.
CONDITION: Skin and skull complete.

***Rhinolophus philippinensis montanus*** R. E. Goodwin
Bull. Am. Nat. Hist. 163: 112, April 30, 1979.
HOLOTYPE: **237814**. Skin and skull. Adult female.
LOCALITY: (Indonesia): Timor Island; Lequi Mia 8 km S Ermera, 4000–5000 ft (1220–1525 m). April 22–23, 1968.
COLLECTOR: R. E. Goodwin. Original number 4.
CONDITION: Skin and skull complete.

***Rhinolophus megaphyllus vandeuseni*** Koopman
Am. Mus. Novitates 2747: 13, September 23, 1982.
HOLOTYPE: **196648**. In alcohol, skull extracted. Adult male.
LOCALITY: Papua New Guinea: New Ireland; Bululogon Plantation. June 3, 1960.
COLLECTOR: J. Huon de Navrancourt. Original number 3.
CONDITION: Skin and skull complete.

***Rhinolophus rex*** G. M. Allen
Am. Mus. Novitates 85: 3–4, August 28, 1923.
HOLOTYPE: **56890**. Skin and skull. Adult female.

LOCALITY: China: Szechuan (= Sichuan); Wanhsien (= Wanxian). October 12, 1921.
COLLECTOR: W. Granger (AE3). Original number 55.
CONDITION: Skin complete but patagia perforated. Skull complete.

***Rhinolophus ruwenzori*** Hill
Am. Mus. Novitates 1180: 1–2, July 28, 1942.
= *Rhinolophus maclaudi ruwenzori* Hill. See Smith and Hood, Proc. 5th Internat. Bat. Res. Conf., p. 170, 1980.
HOLOTYPE: **82394**. Body in alcohol, skull extracted. Adult female.
LOCALITY: Belgian Congo (= Zaire): (Kivu); W slope Mount Ruwenzori, Buhatu Valley, 7500 ft (2287 m). December 24, 1926.
COLLECTOR: Chapin, Sage, and Mathews (RKE). Original number unknown.
CONDITION: Alcoholic, skull cleaned.

## Subfamily **HIPPOSIDERINAE** Lydekker
## Genus ***HIPPOSIDEROS*** Gray

***Hipposideros abae*** J. A. Allen
Bull. Am. Nat. Hist. 37: 432–434, September 29, 1917.
HOLOTYPE: **49123**. Skin and skull. Adult male.
LOCALITY: Congo (= Zaire): (Haut-Zaire); Aba. December 13, 1911.
COLLECTOR: H. Lang and J. Chapin (AMC). Original number 1715.
CONDITION: Skin complete. Skull partial (premaxillaries missing).

***Hipposideros bicolor macrobullatus*** Tate
Bull. Am. Nat. Hist. 78: 357–358, August 19, 1941.
= *Hipposideros macrobullatus* Tate. See Bergmanns and van Bree, Z. Säugetierk. 51: 340, December 1986.
HOLOTYPE: **102367**. Skin and skull. Adult male.
LOCALITY: Netherlands East Indies (= Indonesia): South Celebes (= Southwestern Sulawesi); Talassa, near Maros. November 9, 1931.
COLLECTOR: G. Heinrich. Original number 540.
CONDITION: Skin and skull complete.

***Hipposideros breviceps*** Tate
Bull. Am. Nat. Hist. 78: 358, August 19, 1941.
HOLOTYPE: **103335**. Skin and skull. Adult male.
LOCALITY: Netherlands East Indies (= Indonesia): Mentawai Islands; North Pagi Island, lowlands. January 31, 1935.
COLLECTOR: J. J. Menden. Original number 341.
CONDITION: Skin and skull complete.

***Hipposideros caffer niapu*** J. A. Allen
Bull. Am. Nat. Hist. 37: 431–432, September 29, 1917.
= *Hipposideros ruber centralis* Anderson. See Hayman and Hill, *in* Meester and Setzer (eds.), The mammals of Africa: an identification manual, pt. 2: 29, July 15, 1971.
HOLOTYPE: **49414**. Body in alcohol, skull extracted. Adult male.
LOCALITY: Congo(= Zaire): (Haut-Zaire); Niapu. January 27, 1914.
COLLECTOR: H. Lang and J. Chapin (AMC). Original number 2322.
CONDITION: Alcoholic, skull cleaned.

***Hipposideros diadema andersoni*** Taylor
Monogr. Bur. Sci. Manila 30: 246, 1934.
= *Hipposideros diadema griseus* (Meyen). See Lawrence, Bull. Mus. Comp. Zool. 86: 53, November 1939.
HOLOTYPE: **241812**. Body in alcohol, skull extracted. Adult male.
LOCALITY: Philippines: Luzon, Rizal; Novaliches. March 1922.
COLLECTOR: E. H. Taylor. Original number 330.
CONDITION: Alcoholic, skull cleaned.

***Hipposideros langi*** J. A. Allen
Bull. Am. Nat. Hist. 37: 434–438, September 29, 1917.
= *Hipposideros cyclops* (Temminck). See G. M. Allen, Bull. Mus. Comp. Zool. 83: 80, February 1939.
HOLOTYPE: **49098**. Skin and skull. Adult male.
LOCALITY: Congo (= Zaire): (Haut-Zaire); Avakubi. January 24, 1914.
COLLECTOR: H. Lang and J. Chapin (AMC). Original number 2481.
CONDITION: Skin and skull complete.

***Hipposideros gigas niangarae*** J. A. Allen
Bull. Am. Nat. Hist. 37: 118, September 29, 1917.

= *Hipposideros commersoni niangarae* Allen. See J. E. Hill, Bull. Br. Mus. Nat. Hist. (Zool.) 11: 118, October 1963.
HOLOTYPE: **49103**. Skin and skull. Adult female.
LOCALITY: Congo (= Zaire): Uele (= Haut-Zaire); Niangara. June 2, 1913.
COLLECTOR: H. Lang and J. Chapin (AMC). Original number 2069.
CONDITION: Skin complete, with bald spots. Skull complete.

***Hipposideros nanus*** J. A. Allen
Bull. Am. Nat. Hist. 37: 434, September 29, 1917.
= *Hipposideros caffer nanus* Allen. See Lawrence, Breviora 207: 3–4, July 28, 1964.
HOLOTYPE: **49426**. Body in alcohol, skull extracted. Adult female.
LOCALITY: Congo (= Zaire): (Haut Zaire); Faradje. September 24, 1911.
COLLECTOR: H. Lang and J. Chapin (AMC). Original number 1689.
CONDITION: Alcoholic, skull cleaned.

***Hipposideros poutensis*** J. A. Allen
Bull. Am. Nat. Hist. 22: 483–483, December 17, 1906.
= *Hipposideros larvatus poutensis* Allen. See Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals 1758–1946, p. 124. November 19, 1951.
HOLOTYPE: **26698**. Skin and skull. Adult male.
LOCALITY: China: Hainan; Pouten (?= Puqian). July 2, 1904.
COLLECTOR: A. Owston. Original number 23.
CONDITION: Skin complete. Skull partial (ventral braincase missing).

Genus ***ASELLISCUS*** Tate

***Aselliscus tricuspidatus koopmani*** Schlitter, Williams and Hill
Ann. Carnegie Mus. 52: 353, September 16, 1983.
HOLOTYPE: **159400**. Skin and skull. Adult female.
LOCALITY: Papua New Guinea: Milne Bay; Kiriwina Island, Liluta, 10 m. December 15, 1956.
COLLECTOR: R. F. Peterson (A5). Original number 14977.
CONDITION: Skin and skull complete.

Genus ***COELOPS*** Blyth

***Coelops sinicus*** G. M. Allen
Am. Mus. Novitates 317: 4, May 19, 1928.
= *Coelops frithi sinicus* Allen. See Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals 1758–1946, p. 132, November 19, 1951.
HOLOTYPE: **84893**. Skin and skull. Adult female.
LOCALITY: China: Szechuan (= Sichuan); Wanhsien (= Wanxian). February 26, 1926.
COLLECTOR: W. Granger (AE3). Original number 569.
CONDITION: Skin and skull complete.

Family **NOCTILIONIDAE** Gray
Genus ***NOCTILIO*** Linnaeus

***Noctilio albiventris cabrerae*** Davis
J. Mamm. 57: 704, 1976.
HOLOTYPE: **234239**. Skin and skeleton. Adult female.
LOCALITY: Paraguay: Olimpo (= Alto Paraguay); Fuerte Olimpo. May 30, 1967.
COLLECTOR: A. Ximinez. Original number AX-4113.
CONDITION: Skin and skeleton complete.

Family **MORMOOPIDAE** Koch
Genus ***PTERONOTUS*** Gray

***Chilonycteris rubiginosa fusca*** J. A. Allen
Bull. Am. Nat. Hist. 30: 262, December 2, 1911.
= *Pteronotus parnelli fuscus* (J. A. Allen). See Smith, Misc. Publ. Univ. Kansas 56: 77, March 10, 1972.
HOLOTYPE: **31561**. Skin and skull. Adult male.
LOCALITY: Venezuela: (Carabobo); Las Quiguas, 5 mi (8 km) S Puerto Cabello, 650 ft (198 m). September 7, 1910.
COLLECTOR: M. A. Carriker, Jr. Original number 7828.
CONDITION: Skin and skull complete.

***Dermonotus suapurensis*** J. A. Allen
Bull. Am. Nat. Hist. 20: 229, June 29, 1904.
= *Pteronotus gymnonotus* Natterer. See Smith, J. Mammal. 58: 246, May 1977.
HOLOTYPE: **17573**. Skin and skull. Adult female.
LOCALITY: Venezuela: (Bolívar); Suapure. October 26, 1901.

COLLECTOR: S. M. Klages. Original number 286.
CONDITION: Skin and skull complete.

***Pteronotus suapurensis centralis*** Goodwin
J. Mamm. 23: 88, February 4, 1942.
= *Pteronotus gymnonotus* Natterer. See Smith, J. Mammal. 58: 246, May 1977.
HOLOTYPE: **33193**. Skin and skull. Adult.
LOCALITY: Nicaragua: Matagalpa, 3000 ft (915 m). November 10, 1911.
COLLECTOR: W. B. Richardson. Original number unknown.
CONDITION: Skin and skull complete.

***Pteronotus suapurensis calvus*** Goodwin
Am. Mus. Novitates 1871: 1, February 26, 1958.
= *Pteronotus davyi fulvus* (Thomas). See Smith, Misc. Publ. Univ. Kansas 56: 100, March 10, 1972.
HOLOTYPE: **175100**. Skin and skull. Adult male.
LOCALITY: Mexico: Oaxaca; Tehuantepec. August 15, 1956.
COLLECTOR: T. MacDougall. Original number 1729.
CONDITION: Skin and skull complete.

Family **PHYLLOSTOMIDAE** Gray
Subfamily **PHYLLOSTOMINAE** Gray
Genus ***MICRONYCTERIS*** Gray

***Micronycteris (Neonycteris) pusilla*** Sanborn
Fieldiana, zool. 31: 219, April 29, 1949.
HOLOTYPE: **78830**. Body in alcohol, skull extracted. Adult male.
LOCALITY: Brazil: Amazonas; Rio Waupes (= Rio Uaupes), Tahuapunta (= Tauá). July 14. 1929.
COLLECTOR: Olalla Brothers. Original number 1088.
CONDITION: Alcoholic, skull cleaned.

***Micronycteris hypoleuca*** J. A. Allen
Bull. Am. Nat. Hist. 13: 90, May 12, 1900.
= *Micronycteris (Micronycteris) minutus* Gervais. See Sanborn, Fieldiana 31: 219, April 29, 1949.
HOLOTYPE: **15131**. Skin only. Adult female.
LOCALITY: Colombia: Magdalena; Bonda. July 9, 1899.
COLLECTOR: Mrs. H. H. Smith (JSM). Original number 1115.
CONDITION: Skin complete, with bald spots.

***Macrotus pygmaeus*** Rehn
Proc. Acad. Sci. Philadelphia 56: 444, June 30, 1904.
= *Micronycteris (Micronycteris) megalotis mexicanus* (Miller). See Goodwin, Bull. Am. Mus. Nat. Hist. 102: 102, August 31, 1953.
HOLOTYPE: **12756/11043**. Skin and skull. Adult.
LOCALITY: Mexico: Yucatan; Izamal. Received 1896.
COLLECTOR: G. F. Gaumer. Original number unknown.
CONDITION: Skin complete. Skull partial (basiocciput missing).

Genus ***MACROTUS*** Gray

***Macrotus bulleri*** H. Allen
Proc. Am. Philos. Soc. 28: 73, May 10, 1890.
= *Macrotus waterhousii bulleri* H. Allen. See Anderson and Nelson, Am. Mus. Novitates 2212: 28, March 17, 1965.
LECTOTYPE: **2007/1276**. Skin and skull. Adult male.
LOCALITY: Mexico: Jalisco: Bolaños. July 6, 1889.
COLLECTOR: A. C. Buller. Original number 29.
CONDITION: Skin and skull complete.

Genus ***LONCHORHINA*** Tomes

***Lonchorhina occidentalis*** Anthony
Am. Mus. Novitates 55: 13–14, January 31, 1923.
= *Lonchorhina aurita occidentalis* Anthony. See Sanborn, Ann. Carnegie Mus. 21: 174, September 1932.
HOLOTYPE: **62101**. Skin and skull. Adult male.
LOCALITY: Ecuador: (?Chimborazo); Puente de Chimbo, 1200 ft (366 m). September 7, 1922.
COLLECTOR: G. H. H. Tate. Original number 936.
CONDITION: Skin and skull complete.

Genus ***TONATIA*** Gray

***Tonatia nicaraguae*** Goodwin
J. Mamm. 23: 205, May 1942.

= *Tonatia brasiliensis* (Peters). See Gardner, Occas. Pap. Mus. Zool. Louisiana State Univ. 48: 3, April 15, 1976.
HOLOTYPE: **41184**. Body in alcohol, skull extracted. Immature female.
LOCALITY: Nicaragua: Kanawa Creek near Cukra, North Bluefields, 100 ft (305 m). August 7, 1916.
COLLECTOR: Halter and Mannhardt. Original number unknown.
CONDITION: Alcoholic, skull cleaned (zygomatic arches missing).

***Tonatia minuta*** Goodwin
J. Mamm. 23: 206, May 1942.
= *Tonatia brasiliensis* (Peters). See Gardner, Occas. Pap. Mus. Zool. Louisiana State Univ. 48: 3, April 15, 1976.
HOLOTYPE: **71619**. Skin and skull. Adult male.
LOCALITY: Peru: Loreto; Boca (del Río) Curaray. December 7, 1925.
COLLECTOR: Olalla and Sons. Original number unknown.
CONDITION: Skin and skull complete.

***Chrotopterus carrikeri*** J. A. Allen
Bull. Am. Nat. Hist. 28: 147, May 27, 1910.
= *Tonatia carrikeri* (Allen). See Goodwin, J. Mammal. 23: 207, May 1942.
HOLOTYPE: **30181**. Skin and skull. Adult male.
LOCALITY: Venezuela: Bolívar; Río Mocho, (tributary of Río Mato, Caura drainage). December 6, 1909.
COLLECTOR: M. A. Carriker, Jr. Original number 5835.
CONDITION: Skin and skull complete.
COMMENT: See McCarthy (1989) for discussion of the locality.

***Chrotopterus colombianus*** Anthony
J. Mammal. 1: 84. February 1920.
= *Tonatia silvicola silvicola* (d'Orbigny). See Davis and Carter, Occas. Pap. Mus. Texas Tech. Univ. 53: 7, September 29, 1978.
HOLOTYPE: **38966**. Skin and skull. Adult.
LOCALITY: Colombia: Cundinamarca; Río Quatequia, near Bogotá. Received July 29, 1916.
COLLECTOR: H. Apolinar Maria. Original number 6.
CONDITION: Skin complete. Skull partial (occiput missing).

***Tonatia saurophila*** Koopman and Williams
Am. Mus. Novitates 1519: 11–12, June 4, 1951.
= *Tonatia bidens saurophila* Koopman and Williams. See Jones and Carter, Spec. Publ. Mus. Texas Tech. Univ. 10: 11, June 25, 1976.
HOLOTYPE: **147206**. Left dentary only. Fossil.
LOCALITY: Jamaica: Saint Elizabeth Parish; Balaclava, Wallingford Road Cave. 1919–1920.
COLLECTOR: H. E. Anthony. Original number J½.
CONDITION: Dentary has last premolar and three molars present.

## Genus ***PHYLLOSTOMUS*** Lacepede

***Phyllostomus hastatus panamensis*** J. A. Allen
Bull. Am. Nat. Hist. 20: 233–234, June 29, 1904.
HOLOTYPE: **18705**. Skin and skull. Adult female.
LOCALITY: Panama: Chiriqui; Boqueron. October 6, 1901.
COLLECTOR: J. H. Batty. Original number 657.
CONDITION: Skin complete, with bald spots. Skull complete.

***Phyllostomus hastatus caurae*** J. A. Allen
Bull. Am. Nat. Hist. 20: 234, June 29, 1904.
= *Phyllostomus hastatus panamensis* Allen. See Hershkovitz, Proc. U.S. Natl. Mus. 99: 437, 1949.
HOLOTYPE: **14473**. Skin and skull. Unsexed adult
LOCALITY: Colombia: Upper Valle de Cauca; Cali. June or July, 1898.
COLLECTOR: J. H. Batty. Original number 10.
CONDITION: Skin complete, with bald spots. Skull partial (braincase missing).
COMMENT: Misprint of subspecies name in 1904 publication; subspecific name should be *caucae*.

## Genus ***PHYLLODERMA*** Peters

***Phylloderma septentrionalis*** Goodwin
Am. Mus. Novitates 1075: 1, June 27, 1940.
= *Phylloderma stenops septentrionalis* Goodwin. See Handley, p. 762 *in* Wenzel and

Tipton, Ectoparasites of Panama, Chicago, Field Mus. Nat. Hist. 861 pp., 1966.
HOLOTYPE: **126868**. Skin and skull. Adult female.
LOCALITY: Honduras: La Paz; La Pilas, 6 mi (9.6 km) N Marcala. March 26, 1937.
COLLECTOR: C. F. Underwood. Original number 2023.
CONDITION: Skin and skull complete.

Subfamily **LONCHOPHYLLINAE** Griffiths
Genus ***LONCHOPHYLLA*** Thomas

***Lonchophylla thomasi*** J. A. Allen
Bull. Am. Nat. Hist. 20: 230, June 29, 1904.
HOLOTYPE: **16120**. Skin and skull. Adult male.
LOCALITY: Venezuela: (Bolívar); Cuidad Bolívar. January 26, 1900.
COLLECTOR: S. M. Klages. Original number 74.
CONDITION: Skin complete. Skull partial (zygomatic arches missing).

Subfamily **PHYLLONYCTERINAE** Miller
Genus ***PHYLLONYCTERIS*** Gundlach

***Phyllonycteris major*** Anthony
Bull. Am. Nat. Hist. 37: 567, September 7, 1917.
HOLOTYPE: **40925**. Skull. Fossil.
LOCALITY: Puerto Rico: Arecibo, near Morovis, Cueva Catadral. July 29, 1916.
COLLECTOR: H. E. Anthony. Original number unknown.
CONDITION: Skull intact except for missing right dentary and most teeth.

Subfamily **GLOSSOPHAGINAE** Bonaparte
Genus ***GLOSSOPHAGA*** E. Geoffroy

***Glossophaga major*** Goodwin
Am. Mus. Novitates 1877: 5, February 28, 1958.
= *Glossophaga longirostris major* Goodwin. See Webster and Handley, Occas. Pap. Texas Tech. Mus. 100: 12, March 18, 1986.
HOLOTYPE: **176288**. Skin and skull. Adult female.
LOCALITY: B.W.I. (= Trinidad and Tobago): Trinidad; Port of Spain, Woodbrook, Ariapita Avenue. June 13, 1957.
COLLECTOR: M. Sookar. Original number unknown.
CONDITION: Skin complete, with bald spots. Skull damaged (partly restored).

Genus ***ANOURA*** Gray

***Glossophaga apolinari*** J. A. Allen
Bull. Am. Nat. Hist. 35: 86, April 28, 1916.
= *Anoura geoffroyi peruana* Tschudi. See Sanborn, Publ. Field Mus. Nat. Hist., zool. 20: 26, December 11, 1933.
HOLOTYPE: **37376**. Skin and skull. Unsexed adult.
LOCALITY: Colombia: (Cundinamarca); Boqueron de San Francisco near Bogotá, 8900 ft (2714.5 m). December 1909.
COLLECTOR: Fra Apolinar Maria. Original number unknown.
CONDITION: Skin complete. Skull broken (basiocciput crushed).

***Anoura geoffroyi antricola*** J. A. Allen
Am. Mus. Novitates 20: 5, November 3, 1921.
= *Anoura geoffroyi peruana* Tschudi. See Sanborn, Publ. Field Mus. Nat. Hist., zool. 20: 26, December 11, 1933.
HOLOTYPE: **47282**. Skin and skull. Adult female.
LOCALITY: Ecuador: (Loja); Loja, 9000 ft (2745 m). October 30, 1920.
COLLECTOR: H. E. Anthony. Original number 2280.
CONDITION: Skin complete. Skull partial (zygomatic arches missing).

Genus ***MONOPHYLLUS*** Leach

***Monophyllus frater*** Anthony
Bull. Am. Nat. Hist. 37: 565, September 7, 1917.
= *Monophyllus plethodon frater* Anthony. See Schwartz and Jones, Proc. U.S. Natl. Mus. 124: 15, 1967.
HOLOTYPE: **40941**. Skull only. Fossil.
LOCALITY: Puerto Rico: Cueva Catedral near Morovia. July 29, 1916.
COLLECTOR: H. E. Anthony. Original number unknown.
CONDITION: Skull partial (rostrum, palate, and left cheekteeth only).

Genus ***CHOERONISCUS*** Thomas

***Choeronycteris intermedia*** Allen and Chapman
Bull. Am. Nat. Hist. 5: 207, September 21, 1893.
= *Choeroniscus intermedius* (Allen and Chapman). See Thomas, Ann. Mag. Nat. Hist., ser. 10, 1: 122, January 1928.
HOLOTYPE: **6072/4791**. Skin and skull. Adult female.
LOCALITY: (Trinidad and Tobago): Trinidad; Princestown (= Prince's Town). March 28, 1893.
COLLECTOR: F. M. Chapman. Original number 541.
CONDITION: Skin complete. Skull partial (zygomatic arches and right bulla missing).
COMMENT: Original description incorrectly gives number as 6072/4781.

Subfamily **STENODERMATINAE** Gervais

Genus ***STURNIRA*** Gray

***Sturnira lilium zygomaticus*** Jones and Phillips
Occas. Pap. Mus. Texas Tech. Univ. 40: 11, April 16, 1976.
HOLOTYPE: **213972**. Body in alcohol, skull extracted. Adult male.
LOCALITY: Martinique: Balata. March 19, 1967.
COLLECTOR: H. Beatty and P. Martin. Original number 0660.
CONDITION: Alcoholic, skull cleaned.

***Sturnira ludovici*** Anthony
Am. Mus. Novitates 139: 8, October 20, 1924.
HOLOTYPE: **67328**. Skin and skull. Adult male.
LOCALITY: (Ecuador): (Pinchincha); W side Pichincha near Gualea, 4000 ft (1220 m). April 1924.
COLLECTOR: Collected by Ecuadoran, Given by L. Soderstrom. Original number unknown.
CONDITION: Skin and skull complete.
COMMENT: Chapman (1926: 10–11) discussed the sources of provenance error associated with Soderstrom's localities.

***Sturnira hondurensis*** Goodwin
Am. Mus. Novitates 1075: 1, June 27, 1940.
= *Sturnira ludovici hondurensis* Goodwin. See Hershkovitz, Proc. U.S. Natl. Mus. 99: 441, 1949.
HOLOTYPE: **126811**. Skin and skull. Adult female.
LOCALITY: Honduras: La Paz; La Cruze Grande. March 17, 1937.
COLLECTOR: C. F. Underwood. Original number 2040.
CONDITION: Skin and skull complete.

***Sturnira tildae*** de la Torre
Nat. Hist. Misc. Chicago Acad. Sci. 166: 1, February 13, 1959.
HOLOTYPE: **149625**. Body in alcohol, skull removed. Adult male.
LOCALITY: (Trinidad and Tobago): Trinidad; Arima Valley. March 6, 1951.
COLLECTOR: W. Beebe. Original number 26572.
CONDITION: Alcoholic, skull cleaned.

Genus ***CHIRODERMA*** Peters

***Chiroderma trinitatus*** Goodwin
Am. Mus. Novitates 1877: 1, February 28, 1958.
HOLOTYPE: **175325**. Body in alcohol, skull extracted. Adult female.
LOCALITY: (Trinidad and Tobago): Trinidad; (Saint Andrew County), Cumaca, 1000 ft (305 m). March 22, 1956.
COLLECTOR: L. Venus and B. Smith. Original number 56-648.
CONDITION: Alcoholic (epidermis partially decomposed, patches of hair missing), skull cleaned.

***Chiroderma jesupi*** J. A. Allen
Bull. Am. Nat. Hist. 13: 88, May 12, 1900.
= *Chiroderma villosum jesupi* Allen. See Handley, Proc. U.S. Natl. Mus. 112: 459–479, 1960.
HOLOTYPE: **14574**. Skin and skull. Adult male.
LOCALITY: Colombia: (Magdalena); Santa Marta, Cacagualito. May, 1898.
COLLECTOR: Mrs. H. H. Smith (JSM). Original number 6.
CONDITION: Skin and skull complete.

Genus ***MESOPHYLLA*** Thomas

***Ectophylla macconnelli flavescens*** Goodwin and Greenhall

Am. Mus. Novitates 2080: 2, April 24, 1962.
= *Mesophylla macconnelli* Thomas. See Starrett and Casebeer, Los Angeles Co. Mus. Contrib. Sci. 148: 14, 1968.
HOLOTYPE: **186433**. Skin and skull. Adult female.
LOCALITY: West Indies (Trinidad and Tobago): Trinidad; (Saint George Parish), Talparo. May 5, 1961.
COLLECTOR: C. Austin and C. Fermin. Original number 61-1102.
CONDITION: Skin damaged (broken metacarpals), with bald spots. Skull complete.

Genus ***ARTIBEUS*** Leach

***Artibeus coryi*** J. A. Allen
Bull. Am. Nat. Hist. 3: 173, November 14, 1890.
= *Artibeus jamaicensis jamaicensis* Leach. See Anderson, Proc. Zool. Soc. London 1908: 265, 1908.
HOLOTYPE: **1648/2376**. Skin and skull. Adult male.
LOCALITY: Colombia: (San Andrés y Providencia); Isla de San Andrés. February 12, 1887.
COLLECTOR: C. B. Cory. Original number 1648.
CONDITION: Skin complete. Skull partial (braincase missing).

***Artibeus insularis*** J. A. Allen
Bull. Am. Nat. Hist. 20: 231, June 29, 1904.
= *Artibeus jamaicensis jamaicensis* Leach. See Anderson, Proc. Zool. Soc. London 1908: 265, 1908.
HOLOTYPE: **19597**. Body in alcohol, skull extracted. Adult male.
LOCALITY: Lesser Antilles, Saint Kitts Island. Cataloged 1902.
COLLECTOR: Unknown. Original number unknown.
CONDITION: Alcoholic, skull cleaned (braincase missing).

***Artibeus richardsoni*** J. A. Allen
Bull. Am. Nat. Hist. 24: 669, October 13, 1908.
= *Artibeus jamaicensis richardsoni* Allen. See Davis, J. Mammal. 51: 115, February 20, 1970.
HOLOTYPE: **28335**. Skin and skull. Adult male.
LOCALITY: Nicaragua: Matagalpa. January 3, 1906.
COLLECTOR: W. B. Richardson. Original number 6.
CONDITION: Skin and skull complete.

***Artibeus yucatanicus*** J. A. Allen
Bull. Am. Nat. Hist. 20: 232, June 29, 1904.
= *Artibeus jamaicensis yucatanicus* Allen. See K. Anderson, Proc. Zool. Soc. London 1908: 278, 1908.
HOLOTYPE: **12038/10469**. Skin and skull. Adult male.
LOCALITY: Mexico: Yucatan; Chichén Itzá. March 17, 1896.
COLLECTOR: F. M. Chapman. Original number 1012.
CONDITION: Skin and skull complete.

***Artibeus palmarum*** J. A. Allen and Chapman
Bull. Am. Nat. Hist. 9: 16, February 16, 1897.
= *Artibeus lituratus palmarum* Allen and Chapman. See Hershkovitz, Proc. U.S. Natl. Mus. 99: 445, 1949.
HOLOTYPE: **7481/24142**. Body in alcohol, skull extracted. Adult male.
LOCALITY: (Trinidad and Tobago): Trinidad; Port of Spain. April 27, 1894.
COLLECTOR: F. M. Chapman. Original number 965.
CONDITION: Alcoholic, skull cleaned.

***Artibeus intermedius*** J. A. Allen
Bull. Am. Nat. Hist. 9: 33, March 11, 1897.
= *Artibeus lituratus* Olfers. See Koopman, *in* Wilson and Reeder (ed.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 188, 1993.
HOLOTYPE: **9594/7935**. Skin and skull. Adult male.
LOCALITY: Costa Rica: San Jose. June 21, 1891.
COLLECTOR: G. K. Cherrie. Original number 479.
CONDITION: Skin and skull complete.

***Artibeus rusbyi*** J. A. Allen
Bull. Am. Nat. Hist. 20: 230, June 29, 1904.
= *Artibeus lituratus lituratus* (Olfers). See Davis, Occas. Pap. Mus. Texas Tech. Univ. 93: 10, May 18, 1984.
HOLOTYPE: **1255/2377**. Skin and skull. Adult.
LOCALITY: Bolivia (type description erro-

neously lists Peru): (Cochabamba); Yungas, 18°S, 6000 ft (1830 m). September, 1885.
COLLECTOR: H. H. Rusby. Original number unknown.
CONDITION: Skin complete. Skull damaged (ventral braincase missing).

***Artibeus fraterculus*** Anthony
Am. Mus. Novitates 114: 5, May 29, 1924.
HOLOTYPE: **47248**. Skin and skull. Adult female.
LOCALITY: Ecuador: El Oro; Portovelo, 2000 ft (610 m). July 12, 1920.
COLLECTOR: H. E. Anthony. Original number 1633.
CONDITION: Skin and skull complete.

***Phyllostomus obscurum*** Wied-Neuwied, *in* Schinz, 1: 164, 1821.
= *Artibeus obscurus* (Wied-Neuwied). See Handley, p. 448 *in* K. H. Redford and J. E. Eisenberg (eds.), Advances in neotropical mammalogy, Gainesville, 1989.
HOLOTYPE: **1334**. Skin, skull within. Adult male.
LOCALITY: Brazil: Bahia; Rio Peruipe, "Villa Vicosa" (Marobá).
COLLECTOR: Maximilian Wied-Neuwied. Original number unknown.
CONDITION: Skin complete, but faded.
COMMENT: Handley identified this specimen as the type, which Avila-Pires (1965: 7) had overlooked.

Genus ***ARDOPS*** Miller

***Ardops nichollsi koopmani*** Jones and Schwartz
Proc. U.S. Natl. Mus. 24: 11, 1967.
HOLOTYPE: **213951**. In alcohol, skull extracted. Adult female.
LOCALITY: Martinique: Balata. March 18, 1967.
COLLECTOR: H. Beatty. Original number 0656.
CONDITION: Skin and skull complete.

Genus ***PHYLLOPS*** Peters

***Phyllops vetus*** Anthony
Bull. Am. Nat. Hist. 37: 337, May 28, 1917.
HOLOTYPE: **41001**. Skull without mandible. Fossil.
LOCALITY: Cuba: Oriente; Cave at Daiquiri. February 1917.
COLLECTOR: H. E. Anthony. Original number unknown.
CONDITION: Skull damaged (left braincase missing).
COMMENT: See original description regarding the mandible arbitrarily selected by Anthony that accompanys the type skull.

***Ardops haitiensis*** J. A. Allen
Bull. Am. Nat. Hist. 24: 581, September 11, 1908.
= *Phyllops faleatus haitiensis* (Allen). See Koopman, p. 636 *in* C. Woods (ed.), Biogeography of the West Indies, past, present, and future, 1989.
HOLOTYPE: **25750**. Skin and skull.
LOCALITY: Dominican Republic: Seibo; Caña Honda. January 5, 1907.
COLLECTOR: A. H. Verrill. Original number 10.
CONDITION: Skin complete. Skull broken (right braincase damaged and zygomatic arches missing).

Genus ***PYGODERMA*** Peters

***Pygoderma bilabiatum magna*** Owen and Webster
J. Mamm. 64: 146, February, 1983.
HOLOTYPE: **246399**. Skin and skull. Adult female.
LOCALITY: Bolivia: Santa Cruz; Sara (= Gutiérrez) 7 km NE Santa Rosa. July 10, 1975.
COLLECTOR: R. M. Barquez and R. A. Ojeda. Original number 59.
CONDITION: Skin and skull complete.

Family **NATALIDAE** Gray
Genus ***NATALUS*** Gray

***Natalus major jamaicensis*** Goodwin
Am. Mus. Novitates 1977: 9, December 22, 1959.
= *Natalus stramineus jamaicensis* Goodwin. See Varona, Catalogo de los mamiferos, vivietes y extinguidos de las Antillas. Acad Cienc. Cuba, p. 32, 1974.
HOLOTYPE: **182000**. Body in alcohol, skull extracted. Adult male.
LOCALITY: Jamaica: Saint Catherine Parish; Saint Clair. May 5, 1954.

COLLECTOR: C. B. Lewis. Original number 5.
CONDITION: Alcoholic, skull cleaned.

***Natalus primus*** Anthony
Bull. Am. Nat. Hist. 41: 642, December 30, 1919.
= *Natalus stramineus primus* Anthony. See Varona, Catalogo de los mamiferos, vivietes y extinguidos de las Antillas. Acad Cienc. Cuba, p. 33, 1974.
HOLOTYPE: **41009**. Right dentary. Fossil.
LOCALITY: Cuba: Oriente; Daiquiri, Cueva de los Indios. February 1917.
COLLECTOR: H. E. Anthony. Original number unknown.
CONDITION: Type dentary with last 2 premolars and all molars present.
COMMENT: A second right dentary, reported by Anthony as a topotype, is in vial with the holotype.

***Natalus tumidirostris haymani*** Goodwin
Am. Mus. Novitates 1977: 12, December 22, 1959.
HOLOTYPE: **176590**. Skin and skull. Adult male.
LOCALITY: British West Indies (Trinidad and Tobago): Trinidad; Tamana Caves. November 20, 1957.
COLLECTOR: A. M. Greenhall. Original number 57-2140.
CONDITION: Skin and skull complete.

Family **VESPERTILIONIDAE** Gray
Subfamily **KERIVOULINAE** Miller
Genus ***KERIVOULA*** Gray

***Kerivoula muscina*** Tate
Bull. Am. Nat. Hist. 78: 586, December 31, 1941.
HOLOTYPE: **105315**. Skin and skull. Adult male.
LOCALITY: Papua New Guinea: Western; Lake Daviumbu, middle Fly River, 20 m. September 6, 1936.
COLLECTOR: G. H. H. Tate (A2). Original number A-2701.
CONDITION: Skin and skull complete.

Genus ***MYOTIS*** Kaup

***Myotis caucensis*** J. A. Allen
Bull. Am. Nat. Hist. 33: 386, July 9, 1914.
= *Myotis nigricans caucensis* Allen. See LaVal, Nat. Hist. Mus. Los Angeles County Sci. Bull. 15: 13, February 14, 1973.
HOLOTYPE: **32787**. Skin and skull. Adult male.
LOCALITY: Colombia: (Valle del Cauca); Cauca River, Ríofrío, 3500 ft (1067.5 m). November 29, 1911.
COLLECTOR: L. E. Miller. Original number 579.
CONDITION: Skin complete. Skull partial (right dentary missing).

***Myotis bondae*** J. A. Allen
Bull. Am. Nat. Hist. 33: 384, July 9, 1914.
= *Myotis nigricans nigricans* (Schinz). See Hershkovitz, Proc. U.S. Natl. Mus. 99: 451, 1949.
HOLOTYPE: **14587**. Skin and skull. Adult.
LOCALITY: Colombia: (Magdalena); Bonda. June 1898.
COLLECTOR: Mrs. H. H. Smith (JSM). Original number 42.
CONDITION: Skin complete. Skull partial (right zygomatic arch missing).

***Myotis chiriquensis*** J. A. Allen
Bull. Am. Nat. Hist. 20: 77, February 29, 1904.
= *Myotis nigricans nigricans* (Schinz). See Hershkovitz, Proc. U.S. Natl. Mus. 99: 451, 1949.
HOLOTYPE: **18736**. Skin and skull. Adult female.
LOCALITY: (Panama): Chiriqui; Boqueron. October 16, 1901.
COLLECTOR: J. H. Batty. Original number 1030.
CONDITION: Skin complete. Skull partial (zygomatic arches, both last molars, and right second molar missing).

***Myotis maripensis*** J. A. Allen
Bull. Am. Nat. Hist. 33: 385, July 9, 1914.
= *Myotis nigricans nigricans* (Schinz). See Hershkovitz, Proc. U.S. Natl. Mus. 99: 451, 1949.
HOLOTYPE: **17069**. Skin and skull. Adult female.
LOCALITY: Venezuela: (Bolívar); Maripa. December 13, 1900 (not 1909 as indicated in type description).
COLLECTOR: S. M. Klages. Original number 159.

CONDITION: Skin complete. Skull partial (left zygomatic arch missing).

***Myotis esmeraldae*** J. A. Allen
Bull. Am. Nat. Hist. 33: 385, July 9, 1914.
= *Myotis nigricans punensis* J. A. Allen. See LaVal, Nat. Hist. Mus. Los Angeles Co. Sci. Bull. 15: 12, February 14, 1973.
HOLOTYPE: **33239**. Skin and skull. Adult male.
LOCALITY: Ecuador: (Esmeraldas); Esmeraldas. November 5, 1912.
COLLECTOR: W. B. Richardson. Original number unknown.
CONDITION: Skin complete. Skull partial (right zygomatic arch missing).

***Myotis punensis*** J. A. Allen
Bull. Am. Nat. Hist. 33: 383, July 9, 1914.
= *Myotis nigricans punensis* Allen. See LaVal, Nat. Hist. Mus. Los Angeles Co. Sci. Bull. 15: 12, February 14, 1973.
HOLOTYPE: **36263**. Skin and skull. Adult male.
LOCALITY: Ecuador: (Golfo de Guayaquil), Isla Puna. April 8, 1913.
COLLECTOR: W. B. Richardson. Original number unknown.
CONDITION: Skin complete but small tears in patagia. Skull complete.

***Myotis ruber keaysi*** J. A. Allen
Bull. Am. Nat. Hist. 33: 383, July 9, 1914.
= *Myotis keaysi keaysi* Allen. See LaVal, Nat. Hist. Mus. Los Angeles Co. Sci. Bull. 15: 22, February 14, 1973.
HOLOTYPE: **15814**. Skin and skull. Adult male.
LOCALITY: Peru: (Puno); Inca Mines (13°30'S, 70°W), 6000 ft (1830 m). December 2, 1899.
COLLECTOR: H. H. Keays. Original number 15.
CONDITION: Skin complete. Skull partial (occiput and zygomatic arches missing).

***Vespertilio albescens*** E. Geoffroy
Ann. Mus. D'Hist. Nat. Paris 8: 204, 1806.
= *Myotis albescens* (Geoffroy). See LaVal, Nat. Hist. Mus. Los Angeles Co. Sci. Bull. 15: 25, February 14, 1973.
NEOTYPE: **205195**. Skin, skull, and postcranial skeleton. Adult female.
LOCALITY: Paraguay: Paraguari; Yaguaron, 200 m. January 2, 1963.
COLLECTOR: M. D. Tuttle. Original number 1724.
CONDITION: Skin and skull complete. Postcranial skeleton partial.
COMMENT: LaVal designated skin and skull as the name-bearing type; however, the specimen includes a partial skeleton.

***Vespertilio leucogaster*** Wied in Schinz
Das Thierreich aus dem Franzosischen frey ubersetz und mit vielen Zusatzen versehen von H. R. Schinz 1: 180, 1821.
= *Myotis albescens* (E. Geoffroy). See Thomas, Ann. Mus. Vic. Genoa 5: 546, 1900.
LECTOTYPE: **385**. Skin, skull and postcranial skeleton within. See Avila-Pires, Am. Mus. Novitates 2209: 8, February 17, 1965.
LOCALITY: Brazil: Bahia; Rio Mucuri. 1815–1817.
COLLECTOR: Maximilian Wied-Neuwied. Original number unknown.
CONDITION: Skin faded and fragile (patagia torn and ragged).

***Myotis martiniquensis*** LaVal
Nat. Hist. Mus. Los Angeles Co. Sci. Bull. 15: 35, February 14, 1973.
= *Myotis martiniquensis martiniquensis* LaVal. See LaVal and Schwartz, Caribbean J. Sci. 14: 189, 1975.
HOLOTYPE: **214062**. Body in alcohol, skull extracted. Adult female.
LOCALITY: (Lesser Antilles), Martinique; Tartane, 6 km E La Trinité. March 15, 1967.
COLLECTOR: H. Beatty. Original number 0613.
CONDITION: Alcoholic, skull cleaned.

***Myotis larensis*** LaVal
Nat. Hist. Mus. Los Angeles Co. Sci. Bull. 15: 44, February 14, 1973.
= *Myotis nesopolus larensis* LaVal. See Genoways and Williams, Ann. Carnegie Mus. 48: 319, September 7, 1979.
HOLOTYPE: **130709**. Skin and skull. Adult female.
LOCALITY: Venezuela: Lara; Río Tucuyo. March 23, 1938.
COLLECTOR: G. H. H. Tate. Original number 6008.
CONDITION: Skin and skull complete.

***Vespertilio chrysonotus*** J. A. Allen
Bull. Am. Nat. Hist. 8: 240, November 21, 1896.

= *Myotis evotis evotis* (H. Allen). See Miller and Kellogg, Bull. U.S. Natl. Mus. 205: 93, March 3, 1955.
HOLOTYPE: **11645**. Skin only. Adult female.
LOCALITY: United States: Wyoming; Sweetwater County, Kinney Ranch. July 21, 1895.
COLLECTOR: W. W. Granger. Original number 791.
CONDITION: Skin complete.

***Vespertilio velifer*** J. A. Allen
Bull. Am. Nat. Hist. 3: 177, December 10, 1890.
= *Myotis velifer velifer* (Allen). See Miller, N. Am. Fauna 13: 56, October 16, 1897.
HOLOTYPE: **2696/2135**. Skin and skull. Adult male.
LOCALITY: Mexico: Jalisco; Guadalajara. September 7, 1889.
COLLECTOR: A. C. Buller. Original number 75.
CONDITION: Skin and skull complete.

***Vespertilio incautus*** J. A. Allen
Bull. Am. Nat. Hist. 8: 239, November 21, 1896.
= *Myotis velifer incautus* (Allen). See Miller and Allen, Bull. U.S. Natl. Mus. 144: 92, May 25, 1928.
HOLOTYPE: **12214/10566**. Skin and skull. Adult male.
LOCALITY: United States: Texas; Bexar County, San Antonio. October 10, 1896.
COLLECTOR: H. P. Attwater. Original number 221.
CONDITION: Skin complete. Skull missing.
COMMENT: The skull was not found by Goodwin (1953) and I have not been able to locate it.

***Myotis velifer cobanensis*** Goodwin
Am. Mus. Novitates 1744: 2, August 12, 1955.
= *Myotis cobanensis* Goodwin. See de la Torre, Proc. Biol. Soc. Washington 71: 167, December 31, 1958.
HOLOTYPE: **145017**. Skin and skull. Adult male.
LOCALITY: Guatemala: Alta Verapaz; Cobán, 1305 m. June 21, 1946.
COLLECTOR: T. Larson. Original number 207.
CONDITION: Skin and skull complete.

***Myotis californicus durangae*** J. A. Allen
Bull. Am. Nat. Hist. 19: 612, November 12, 1903.
= *Myotis yumanensis yumanensis* (H. Allen). See Miller and Allen, Bull. U.S. Natl. Mus. 144: 66, May 25, 1928.
HOLOTYPE: **21459**. Skin and skull. Adult female.
LOCALITY: Mexico: Durango; San Gabriel. June 16, 1903 (not April 15 as indicated in type description).
COLLECTOR: J. H. Batty. Original number unknown.
CONDITION: Skin and skull complete.

***Myotis herrei*** Taylor
Monogr. Bur. Sci. Manila 30: 290, 1934.
= *Myotis muricola? herrei* Taylor. See Hill, Bull. Br. Mus. (Nat. Hist.) Zool. 45: 153, August 25, 1983.
HOLOTYPE: **241834**. Body in alcohol, skull extracted. Adult male.
LOCALITY: Philippine Islands: Luzon; Rizal, Montalban. January 22, 1923.
COLLECTOR: W. Schultze, A. W. Herre, and E. H. Taylor. Original number 369.
CONDITION: Alcoholic, skull cleaned (left zygomatic arch missing).

***Myotis browni*** Taylor
Monogr. Bur. Sci. Manila 30: 288, 1934.
= *Myotis muricola? browni* Taylor. See Hill, Bull. Br. Mus. (Nat. Hist.) Zool. 45: 153, August 25, 1983.
HOLOTYPE: **241833**. Skin and skull. Adult ?female.
LOCALITY: Philippine Islands: Mindanao; Cotabato, Saub. April 15, 1923.
COLLECTOR: E. H. Taylor. Original number 341.
CONDITION: Skin complete, with bald spots. Skull complete.

***Myotis patriciae*** Taylor
Monogr. Bur. Sci. Manila 30: 286, 1934.
= *Myotis muricola* Thomas. See Heaney, Gonzales and Alcala, Silliman J. 34: 39, 1987.
HOLOTYPE: **241837**. Body in alcohol, skull extracted. Immature male.
LOCALITY: Philippine Islands: Mindanao; Agusan.
COLLECTOR: Unknown. Original number 353.

CONDITION: Alcoholic, skull cleaned (zygomatic arches missing).
COMMENT: Since the type came from Mindanao, it is presumably a synonym of *M. m. browni*.

***Myotis frater*** G. M. Allen
Am. Mus. Novitates 85: 6, August 28, 1923.
= *Myotis frater frater* Allen. See Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 143, November 19, 1951.
HOLOTYPE: **48039**. Body in alcohol, skull extracted. Adult male.
LOCALITY: China: Fukien (Fujian); Yenping (= Nanping). August 10, 1920.
COLLECTOR: H. R. Caldwell (AE2). Original number unknown.
CONDITION: Alcoholic, skull cleaned.

***Myotis chinensis luctuosus*** G. M. Allen
Am. Mus. Novitates 85: 5, August 28, 1923.
HOLOTYPE: **56867**. Skin and skull. Adult male.
LOCALITY: China: Szechuan (= Sichuan); Wanhsien (= Wanxian), Yengchingkou Cave. October 12, 1921.
COLLECTOR: W. Granger (AE3). Original number 60.
CONDITION: Skin and skull complete.

***Myotis jeannei*** Taylor
Monogr. Bur. Sci. Manila 30: 284, 1934.
= *Myotis horsfieldii? jeannei* Taylor. See Hill, Bull. Br. Mus. (Nat. Hist.), Zool. 45: 160, August 25, 1983.
HOLOTYPE: **241835**. Body in alcohol, skull extracted. Adult female.
LOCALITY: Philippine Islands: Mindanao; Zamboanga, Caldera. April, 1923.
COLLECTOR: E. H. Taylor. Original number 340.
CONDITION: Alcoholic, skull cleaned.

## Genus *NYCTALUS* Bowdich

***Nyctalus vetulinus*** G. M. Allen
Am. Mus. Novitates 85: 7, August 28, 1923.
= *Nyctalus noctula vetulinus* Allen. See Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 161, November 19, 1951.
HOLOTYPE: **44649**. Skin and skull. Adult male.
LOCALITY: China: Fukien (= Fujian); Futsing (= Rongcheng). July 29, 1916.
COLLECTOR: R. C. Andrews and E. Heller (AE3). Original number 152.
CONDITION: Skin complete. Skull partial (zygomatic arches missing).

## Genus *PIPISTRELLUS* Kaup

***Pipistrellus portensis*** J. A. Allen
Bull. Am. Nat. Hist. 22: 487, December 17, 1906.
= *Pipistrellus*(?) *coromandra portensis* Allen. See Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 166, November 19, 1951.
HOLOTYPE: **26797**. Skin and skull. Adult male.
LOCALITY: China: Hainan; Porten. July 4, 1904.
COLLECTOR: Agent of A. Owston. Original number 28.
CONDITION: Skin complete. Skull partial (basicranium and zygomatic arches missing).

***Pipistrellus anthonyi*** Tate
Bull. Am. Nat. Hist. 80: 252, November 27, 1942.
HOLOTYPE: **114849**. Skin and skull. Adult male.
LOCALITY: Burma: (Kachin); Changyinku, 7000 ft (2135 m). March 13, 1939.
COLLECTOR: H. E. Anthony (VC). Original number 4345.
CONDITION: Skin complete. Cranium damaged but mandible complete.

***Pipistrellus abaensis*** J. A. Allen
Bull. Am. Nat. Hist. 37: 442, September 29, 1917.
= *Pipistrellus nanus* (Peters). See Koopman, Am. Mus. Novitates 2219: 12, June 21, 1965.
HOLOTYPE: **48979**. Skin and skull. Adult female.
LOCALITY: Congo (= Zaire): Oriental (= Haut-Zaire); Aba. December 18, 1911.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 1825.
CONDITION: Skin complete. Skull partial (dorsal braincase and zygomatic arches missing).

***Pipistrellus subflavus floridanus*** J. Davis
Proc. Biol. Soc. Washington 70: 213, 1957.
HOLOTYPE: **163884**. Skin and skull. Adult male.
LOCALITY: United States: Florida; Citrus County, Homasassa Springs. February 9, 1951.
COLLECTOR: W. J. Schaldach. Original number 1474.
CONDITION: Skin and skull complete.

***Eptesicus capensis angolensis*** Hill
Am. Mus. Novitates 916: 1, April 17, 1937.
= *Pipistrellus flavescens* (Seabra). See Hill and Harrison, Bull. Br. Mus. (Nat. Hist.), Zool. 52: 282, January 29, 1987.
HOLOTYPE: **85535**. Skin and skull. Adult male.
LOCALITY: Angola: Bié; Chitau. August 5, 1925.
COLLECTOR: H. Lang (VA). Original number 620.
CONDITION: Skin complete. Skull partial (right auditory bulla displaced, zygomatic arches missing).

***Eptesicus garambae*** J. A. Allen
Bull. Am. Nat. Hist. 37: 445, September 29, 1917.
= *Pipistrellus capensis garambae* Allen. See Hill and Harrison, Bull. Br. Mus. (Nat. Hist.), Zool. 52: 282, January 29, 1987.
HOLOTYPE: **49340**. Body in alcohol, skull extracted. Adult male.
LOCALITY: Congo (= Zaire): Oriental (= Haut-Zaire); Garamba. March 14, 1912.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 1888.
CONDITION: Alcoholic, skull cleaned (zygomatic arches missing).

***Eptesicus ater*** J. A. Allen
Bull. Am. Nat. Hist. 37: 443. September 29, 1917.
= *Pipistrellus tenuipinnis ater* Allen. See Hill and Harrison, Bull. Br. Mus. (Nat. Hist.), Zool. 52: 282, January 29, 1987.
HOLOTYPE: **48988**. Skin and skull. Adult male.
LOCALITY: Congo (= Zaire): Oriental (= Haut-Zaire); Faradje. March 1, 1911.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 1466.
CONDITION: Skin complete. Skull damaged (jugals broken).

***Eptesicus faradjius*** J. A. Allen
Bull. Am. Nat. Hist. 37: 443, September 29, 1917.
= *Pipistrellus rendalli faradjius* Allen. See Hill and Harrison, Bull. Br. Mus. (Nat. Hist.), Zool. 52: 282, January 29, 1987.
HOLOTYPE: **49045**. Skin and skull. Adult female.
LOCALITY: Congo (= Zaire): Oriental (= Haut-Zaire); Faradje. February 21, 1911.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 1414.
CONDITION: Skin complete. Skull partial (zygomatic arches and right upper incisor missing).

## Genus ***EPTESICUS*** Rafinesque

***Adelonycteris gaumeri*** J. A. Allen
Bull. Am. Nat. Hist. 9: 231, September 28, 1897.
= *Eptesicus furinalis gaumeri* (Allen). See W. B. Davis, Southwest. Nat. 11: 268, June 30, 1966.
HOLOTYPE: **12753/11040**. Skin and skull. Adult female.
LOCALITY: Mexico: Yucatan; Izamal. Cataloged September 1896.
COLLECTOR: G. F. Gaumer. Original number 11.
CONDITION: Skin damaged (patagia split and torn). Skull partial (left bulla missing).

***Eptesicus chapmani*** J. A. Allen
Bull. Am. Nat. Hist. 34: 632, December 30, 1915.
= *Eptesicus furinalis chapmani* Allen. See W. B. Davis, Southwest. Nat. 11: 267, June 30, 1966.
HOLOTYPE: **37057**. Skin and skull. Adult female.
LOCALITY: Brazil: (Amazonas); Lower Rio Solimoens (= Solimões). April 30, 1914.
COLLECTOR: L. E. Miller (RBE). Original number 421.
CONDITION: Skin and skull complete.

***Eptesicus chiralensis*** Anthony
Am. Mus. Novitates 240: 6, December 4, 1926.
= *Eptesicus furinalis chiralensis* Anthony. See

Koopman, Am. Mus. Novitates 2651: 19, June 16, 1978.
HOLOTYPE: **47219**. Skin and skull. Adult male.
LOCALITY: Ecuador: El Oro; El Chiral, 5350 ft (1631.7 m). August 1, 1920.
COLLECTOR: H. E. Anthony. Original number 1785.
CONDITION: Skin and skull complete.

***Eptesicus brasiliensis thomasi*** W. B. Davis
Southwest. Nat. 11: 261, June 30, 1966.
HOLOTYPE: **67606**. Skin and skull. Adult male.
LOCALITY: Ecuador: Pastaza; Canelos, about 500 m. March 12, 1924.
COLLECTOR: G. H. H. Tate. Original number 2956.
CONDITION: Skin and skull complete.

***Eptesicus andinus*** J. A. Allen
Bull. Am. Nat. Hist. 33: 382, July 9, 1914.
= *Eptesicus brasiliensis andinus* Allen. See Hershkovitz, Proc. U.S. Natl. Mus. 99: 451, 1949.
HOLOTYPE: **33807**. Skin and skull. Adult male.
LOCALITY: Colombia: (Cauca); Central Andes, Valle de las Papas, 10,000 ft (3050 m). March 26, 1912.
COLLECTOR: A. A. Allen and L. E. Miller. Original number 703.
CONDITION: Skin partial (left hind limb and uropatagium missing). Skull complete except for missing left m1.

## Genus *HISTIOTUS* Gervais

***Histiotus inambarus*** Anthony
J. Mamm. 1: 85, February 1920.
= *Histiotus montanus inambarus* Anthony. See Sanborn, Publ. Mus. Hist. Nat. "Javier Prado," Univ. Nac. Mayor San Marcos, Lima 6A: 13, October 1951.
HOLOTYPE: **37194**. Skin and skull. Adult female.
LOCALITY: Peru: (Madre de Dios); Río Inambari 2200 ft (671 m). March 12, 1915.
COLLECTOR: H. and C. Watkins. Original number 9.
CONDITION: Skin damaged (patagia with holes). Skull partial (occiput missing).

## Genus *RHOGEESSA* H. Allen

***Rhogeessa tumida major*** Goodwin
Am. Mus. Novitates 1923: 4, December 31, 1958.
= *Rhogeessa parvula* H. Allen. See LaVal, Occas. Pap. Mus. Nat. Hist. Univ. Kansas, 19: 21, November 9, 1973.
HOLOTYPE: **175263**. Skin and skull. Adult female.
LOCALITY: Mexico: Oaxaca; San Bartolo Yautepec, 800 m. January 17, 1957.
COLLECTOR: T. MacDougall. Original number 1872.
CONDITION: Skin and skull complete.

***Rhogeessa tumida riparia*** Goodwin
Am. Mus. Novitates 1923: 5, December 31, 1958.
= *Rhogeessa tumida* H. Allen. See LaVal, Occas. Pap. Mus. Nat. Hist. Univ. Kansas, 19: 29, November 9, 1973.
HOLOTYPE: **69968**. Skin and skull. Adult female.
LOCALITY: Venezuela: (Sucre); Cuchivano, 700 ft (213.5 m). March 3, 1925.
COLLECTOR: G. H. H. Tate. Original number 3236.
CONDITION: Skin and skull complete.
COMMENT: Cuchivano is the locality designation on the original label. LaVal (1973) erroneously gave the locality as Cumanacao but Tate's field notes indicate Cuchivano to be southwest of Cumanacao.

***Rhogeessa parvula aeneus*** Goodwin
Am. Mus. Novitates 1923: 6, December 31, 1958.
= *Rhogeessa tumida* H. Allen. See LaVal, Occas. Pap. Mus. Nat. Hist. Univ. Kansas, 19: 29, November 9, 1973.
HOLOTYPE: **91234**. Skin and skull. Sex undetermined.
LOCALITY: Mexico: Yucatan; Chichén Itzá. October 23, 1929.
COLLECTOR: R. T. Hatt. Original number 49.
CONDITION: Skin and skull complete.

## Genus *SCOTOPHILUS* Leach

***Scotophilus kuhli insularis*** J. A. Allen
Bull. Am. Nat. Hist. 22: 485, December 17, 1906.
= *Scotophilus heathi insularis* Allen. See G.

M. Allen, The mammals of China and Mongolia, Nat. Hist. Cent. Asia 11(1): 253, September 2, 1938.
HOLOTYPE: **26786**. Skin and skull. Adult male.
LOCALITY: China: Hainan; Rintoi. July 1, 1904.
COLLECTOR: Agent of A. Owston. Original number 20.
CONDITION: Skin complete. Skull partial (most of braincase missing).

***Scotophilus castaneus consobrinus*** J. A. Allen
Bull. Am. Nat. Hist. 22: 485, December 17, 1906.
= *Scotophilus kuhli consobrinus* J. A. Allen. See Hill and Thonglonga, Bull. Br. Mus. (Nat. Hist.) Zool. 22: 191–192, March 29, 1972.
HOLOTYPE: **26788**. Skin and skull. Adult female.
LOCALITY: China: Hainan Island; Rintoi. July 1, 1904.
COLLECTOR: Agent of A. Owston. Original number 36.
CONDITION: Skin complete. Skull incomplete (ventral braincase missing).
COMMENT: Hill and Thonglonga (1972) established that the smaller of the two Asian species of *Scotophilus* should be known as *kuhli*, and cited Tate (1942: 285) for the subspecies.

## Genus *CHALINOLOBUS* Peters

***Glauconycteris humeralis*** J. A. Allen
Bull. Am. Nat. Hist. 37: 448, September 29, 1917.
= *Chalinolobus beatrix humeralis* (Allen). See Koopman, Am. Mus. Novitates 2451: 8, February 11, 1971.
HOLOTYPE: **49013**. Skin and skull. Adult female.
LOCALITY: Congo (= Zaire): Oriental (= Haut-Zaire); Medje. September 7, 1910.
COLLECTOR: H. Lang and J. P. Chapin (LCC). Original number 956.
CONDITION: Skin complete. Skull partial (zygomatic arches and left dentary missing).

***Glauconycteris alboguttatus*** J. A. Allen
Bull. Am. Nat. Hist. 37: 449, September 29, 1917.
= *Chalinolobus alboguttatus* (Allen). See Koopman, Am. Mus. Novitates 2451: 8, February 11, 1971.
HOLOTYPE: **49317**. Body in alcohol, skull extracted. Adult female.
LOCALITY: Congo (= Zaire): Oriental (= Haut-Zaire); Medje. March 14, 1914.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 2351.
CONDITION: Alcoholic, skull cleaned (zygomatic arches missing).

## Genus *LASIURUS* Gray

***Dasypterus ega punensis*** J. A. Allen
Bull. Am. Nat. Hist. 33: 382, July 9, 1914.
= *Lasiurus ega fuscatus* (Thomas). See Hall and Jones, Univ. Kansas Publ. Mus. Nat. Hist. 14: 94, December 29, 1961.
HOLOTYPE: **36271**. Skin and skull. Adult female.
LOCALITY: Ecuador: (Golfo de Guayaquil), Isla Puná. April 3, 1913.
COLLECTOR: W. B. Richardson. Original number unknown.
CONDITION: Skin and skull complete.

## Genus *PLECOTUS* E. Geoffroy

***Idionycteris mexicanus*** Anthony
Am. Mus. Novitates 54: 1, January 17, 1923.
= *Plecotus (Idionycteris) phyllotis* G. M. Allen. See Handley, Proc. U. S. Natl. Mus. 110: 130, 1959.
HOLOTYPE: **62260**. Skin and skull. Adult female.
LOCALITY: Mexico: Tamaulipas; Miquihauna. June 17, 1922.
COLLECTOR: W. W. Brown. Original number 2.
CONDITION: Skin complete. Skull partial (right zygomatic arch missing).

## Genus *EUDERMA* H. Allen

***Histiotus maculatus*** J. A. Allen
Bull. Am. Nat. Hist. 3: 195, February 20, 1891.
= *Euderma maculatam* (Allen). See Handley, Proc. U.S. Natl. Mus. 110: 122, 1959.
HOLOTYPE: **3922/2991**. Skin, skull, and partial postcranial skeleton.
LOCALITY: United States: California; Ventura County, Piru. March 1890.

COLLECTOR: T. Shooter. Original number unknown.
CONDITION: Complete skin only. Skull and postcranial skeleton lost when sent to Washington (since 1903).

Genus *ANTROZOUS* H. Allen

***Antrozous (Bauerus) dubiaquercus*** Van Gelder
Am. Mus. Novitates 1973: 1, November 19, 1959.
HOLOTYPE: **180565**. Skin and skull. Adult male.
LOCALITY: Mexico: Nayarit; Tres Marias Islands, Magdalena Island. April 1, 1957.
COLLECTOR: R. G. Van Gelder (PE). Original number 1123.
CONDITION: Skin and skull complete.
COMMENT: Engstrom and Wilson (1981) placed *dubiaquercus* in the monotypic genus *Bauerus*, but Koopman (1993: 198) retained it in *Antrozous*, subgenus *Bauerus*.

Subfamily **MINIOPTERINAE** Dobson
Genus *MINIOPTERUS* Bonaparte

***Miniopterus breyeri vicinior*** J. A. Allen
Bull. Am. Nat. Hist. 3: 195, February 20, 1891.
= *Miniopterus schreibersi vicinior* Allen. See Koopman, Am. Mus. Novitates 2219: 19, June 22, 1965.
HOLOTYPE: **49019**. Skin and skull. Adult male.
LOCALITY: Congo (= Zaire): Oriental (= Haut-Zaire); Aba. December 16, 1911.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 1770.
CONDITION: Skin complete. Skull partial (right zygomatic arch missing).

***Miniopterus schreibersi parvipes*** G. M. Allen
Am. Mus. Novitates 85: 7, August 28, 1923.
HOLOTYPE: **44656**. Skin and skull. Adult male.
LOCALITY: China: Fukien (= Fujian); Yenping (= Nanping). June 16, 1916.
COLLECTOR: R. C. Andrews. Original number 9.
CONDITION: Skin complete. Skull incomplete (right zygomatic arch missing).

***Miniopterus propitristis propitristis*** Peterson
Can. J. Zool. 59: 836, 1981.
= *Miniopterus tristis propritristis* Peterson. See Koopman, Am. Mus. Novitates 2747: 21, September 23, 1982.
HOLOTYPE: **191401**. Skin and skull. Adult male.
LOCALITY: Papua New Guinea: Morobe; Markham River Valley, Umi River. November 27, 1959.
COLLECTOR: H. M. Van Deusen (A6). Original number 17207.
CONDITION: Skin and skull complete.

***Miniopterus propitristis grandis*** Peterson
Can. J. Zool. 59: 840, 1981.
= *Miniopterus tristis grandis* Peterson. See Koopman, Am. Mus. Novitates 2747: 21, September 23, 1982.
HOLOTYPE: **109960**. Skin and skull. Adult female.
LOCALITY: Indonesia: Irian Jaya; 1.5 km S Ajap, Sentani Lake. July 8, 1938.
COLLECTOR: W. B. Richardson (A3). Original number 4285.
CONDITION: Skin and skull complete.

***Miniopterus tristis celebensis*** Peterson
Can. J. Zool. 59: 841, 1981.
HOLOTYPE: **241557**. Body in alcohol, skull extracted. Adult male.
LOCALITY: Indonesia: Sulawesi Selatan; Luwu, Wowondula, 600 m. September 29, 1972.
COLLECTOR: P. F. D. Van Peenan. Original number 3567.
CONDITION: Alcoholic, skull cleaned.

Family **MOLOSSIDAE** Gervais
Genus *MOLOSSOPS* Peters

***Cynomops greenhalli*** Goodwin
Am. Mus. Novitates 1877: 3, February 28, 1958.
= *Molossops greenhalli* (Goodwin). See Freeman, Fieldiana Zool. 7: 155, March 31, 1961.
HOLOTYPE: **175326**. Skin and skull. Adult male.
LOCALITY: (Trinidad and Tobago): Trinidad; Port of Spain, Royal Botanic Gardens. June 6, 1955.

COLLECTOR: A. M. Greenhall. Original number 300.
CONDITION: Skin and skull complete.

Genus ***MOPS*** Lesson

***Mops congicus*** J. A. Allen
Bull. Am. Nat. Hist. 37: 467, September 29, 1917.
HOLOTYPE: **48893**. Skin and skull. Adult female.
LOCALITY: Congo (= Zaire): Oriental (= Haut-Zaire); Medje. September 8, 1910.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 966.
CONDITION: Skin and skull complete.

***Mops chitauensis*** J. E. Hill
Am. Mus. Novitates 916: 3, April 17, 1937.
= *Mops niveiventer* Cabrera and Ruxton. See Freeman, Fieldiana Zool. 7: 159., March 31, 1981.
HOLOTYPE: **88116**. Skin and skull. Adult male.
LOCALITY: Angola: (Bié); Chitau. February 10, 1933.
COLLECTOR: L. S. Bradley. Original number 676.
CONDITION: Skin and skull complete.

***Philippinopterus lanei*** Taylor
Monogr. Bur. Sci., Manila 30: 314, 1934.
= *Mops sarasinorum lanei* (Taylor). See Freeman, Fieldiana Zool. 7: 160., March 31, 1981.
HOLOTYPE: **241997**. Body in alcohol, skull extracted. Adult female.
LOCALITY: Philippine Islands: Mindanao; Cotabato, Saub. April 28, 1923.
COLLECTOR: E. H. Taylor. Original number 253.
CONDITION: Alcoholic, skull removed but lost.

***Mops niangarae*** J. A. Allen
Bull. Am. Nat. Hist. 37: 468, September 29, 1917.
HOLOTYPE: **48901**. Skin and skull. Adult male.
LOCALITY: Congo (= Zaire): Oriental (= Haut-Zaire); Niangara. December 12, 1910.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 1313.
CONDITION: Skin complete. Skull partial (bullae missing).

***Mops trevori*** J. A. Allen
Bull. Am. Nat. Hist. 37: 469, September 29, 1917.
HOLOTYPE: **49250**. Body in alcohol, skull extracted. Adult female.
LOCALITY: Congo (= Zaire): Oriental (= Haut-Zaire); Faradje. September 29, 1912.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 1954.
CONDITION: Skin complete. Skull partial (left bulla missing).
COMMENT: Advanced fetus extracted from body.

***Mops (Allomops) faradjius*** J. A. Allen
Bull. Am. Nat. Hist. 37: 476, September 29, 1917.
= *Mops demonstrator* (Thomas). See Freeman, Fieldiana Zool., n.ser., 7: 159, March 31, 1981.
HOLOTYPE: **49222**. Body in alcohol, skull extracted. Adult male.
LOCALITY: Congo (= Zaire): Oriental (= Haut-Zaire); Faradje. January 12, 1913.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 2015.
CONDITION: Skin complete. Skull partial (basal braincase missing).

***Mops (Allomops) nanulus*** J. A. Allen
Bull. Am. Nat. Hist. 37: 477, September 29, 1917.
= *Mops nanulus* Allen. See Freeman, Fieldiana Zool., n.ser., 7: 159, March 31, 1981.
HOLOTYPE: **48864**. Skin and skull. Adult male.
LOCALITY: Congo (= Zaire): Oriental (= Haut-Zaire); Niangara. December 12, 1910.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 1318.
CONDITION: Skin and skull complete.

***Mops (Allomops) occipitalis*** J. A. Allen
Bull. Am. Nat. Hist. 37: 474, September 29, 1917.
= *Mops thersites* (Thomas). See Freeman, Fieldiana Zool., n.ser., 7: 160, March 31, 1981.
HOLOTYPE: **48851**. Skin and skull. Adult male.

LOCALITY: Congo (= Zaire): Oriental (= Haut-Zaire); Avakubi. February 13, 1914.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 2487.
CONDITION: Skin and skull complete.

***Mops (Allomops) osborni*** J. A. Allen
Bull. Am. Nat. Hist. 37: 473, September 29, 1917.
= *Mops condylurus* (A. Smith). See Freeman, Fieldiana Zool., n.ser., 7: 158, March 31, 1981.
HOLOTYPE: **49230**. Body in alcohol, skull extracted. Adult male.
LOCALITY: Congo (= Zaire): (Kinshasa); Kinshasa. December 22, 1914.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 2570.
CONDITION: Alcoholic, skull cleaned.

***Nyctinomus ochraceus*** J. A. Allen
Bull. Am. Nat. Hist. 37: 455, September 29, 1917.
= *Mops leonis* (Thomas). See Freeman, Fieldiana Zool., n.ser., 7: 159, March 31, 1981.
HOLOTYPE: **48821**. Skin and skull. Adult female.
LOCALITY: Congo (= Zaire): (Haut-Zaire); Medje. March 16, 1910.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 745.
CONDITION: Skin and skull complete.
COMMENT: El-Rayah (1981) synonymized *leonis* with *M. brachypterus* (*Mops* being included in *Tadarida*).

## Genus *CHAEREPHON* Dobson

***Chaerephon russatus*** J. A. Allen
Bull. Am. Nat. Hist. 37: 458, September 29, 1917.
HOLOTYPE: **48925**. Skin and skull. Adult male.
LOCALITY: Congo (= Zaire): (Haut-Zaire); Medje. September 8, 1910.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 993.
CONDITION: Skin and skull complete.

***Chaerephon (Lophomops) abae*** J. A. Allen
Bull. Am. Nat. Hist. 37: 464, September 29, 1917.
= *Chaerephon major* (Trouessart). See Freeman, Fieldiana Zool., n.ser., 7: 151, March 31, 1981.
HOLOTYPE: **48887**. Skin and skull. Adult female.
LOCALITY: Congo (= Zaire): (Haut-Zaire); Aba. December 17, 1911.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 1823.
CONDITION: Skin and skull complete.

***Chaerephon (Lophomops) chapini*** J. A. Allen
Bull. Am. Nat. Hist. 37: 461, September 29, 1917.
= *Chaerephon chapini* Allen. See Freeman, Fieldiana Zool., n.ser., 7: 151, March 31, 1981.
HOLOTYPE: **48841**. Skin and skull. Adult male.
LOCALITY: Congo (= Zaire): (Haut-Zaire); Faradje. November 11, 1912.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 1971.
CONDITION: Skin complete. Skull damaged but repaired.

***Chaerephon frater*** J. A. Allen
Bull. Am. Nat. Hist. 37: 456, September 29, 1917.
= *Chaerephon pumilus* (Cretzschmar). See Freeman, Fieldiana Zool., n.ser., 7: 152, March 31, 1981.
HOLOTYPE: **49275**. Body in alcohol, skull extracted. Adult female.
LOCALITY: Congo (= Zaire): (Kinshasa); Malela. July 8, 1915.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 2613.
CONDITION: Alcoholic, skull cleaned (basal braincase missing).

***Chaerephon (Lophomops) cristatus*** J. A. Allen
Bull. Am. Nat. Hist. 37: 463, September 29, 1917.
= *Chaerephon pumilus* (Cretzschmar). See Freeman, Fieldiana Zool., n.ser., 7: 152, March 31, 1981.
HOLOTYPE: **48844**. Skin and skull. Adult male.
LOCALITY: Congo (= Zaire): (Kinshasa); Boma. January 26, 1915.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 2628.

CONDITION: Skin complete. Skull partial (left bulla missing).

***Chaerephon (Lophomops) nigri*** Hatt
Bull. Soc. Zool. France 53: 374, 1928.
= *Chaerephon pumilus* (Cretzschmar). See Freeman, Fieldiana Zool., n.ser., 7: 152, March 31, 1981.
PARATYPE: **90390**. Skin and skull. Immature male.
LOCALITY: French Sudan (= Mali): Bourem, near Tombouctou (= Timbuctu). January 6, 1928.
COLLECTOR: T. Monod. Original number M.S.A.D.Z. 736c.
CONDITION: Skin and skull complete.
COMMENT: The holotype is in the Museum National d'Historie Naturelle in Paris. In addition to that specimen, Hatt selected two "cotypes"; one is at Paris, the other is in the American Museum of Natural History. Judged from Hatt's account, his sense of "cotype" is that of paratype, and the AMNH specimen is here designated a paratype.

## Genus *MORMOPTERUS* Peters

***Nyctinomus minutus*** Miller
Bull. Am. Nat. Hist. 12: 173, October 20, 1899.
= *Mormopterus minutus* (Miller). See Miller, Bull. U.S. Natl. Mus. 57: 254, 1907.
HOLOTYPE: **4915**. Body in alcohol, skull extracted. Adult male.
LOCALITY: Cuba: Trinidad. March 8, 1892.
COLLECTOR: F. M. Chapman. Original number 359.
CONDITION: Alcoholic (epidermis partially decomposed), skull cleaned (right zygomatic arch missing).

## Genus *TADARIDA* Rafinesque

***Mormopterus peruanus*** J. A. Allen
Bull. Am. Nat. Hist. 33: 387, July 9, 1914.
= *Tadarida brasiliensis* (I. Geoffroy). See de la Torre, Proc. Biol. Soc. Washington 69: 187, December 31, 1956.
HOLOTYPE: **16075**. Skin and skull. Adult female.
LOCALITY: Peru: (Puno); Inca Mines (= Santo Domingo), 6000 ft (1830 m). March 14, 1900.
COLLECTOR: H. H. Keays. Original number 40.
CONDITION: Skin and skull complete.
COMMENT: Since all South American populations of *T. brasiliensis* are currently placed in *T. b. brasiliensis, peruanus* should be included in that subspecies.

## Genus *NYCTINOMOPS* Miller

***Nyctinomops aequatorialis*** J. A. Allen
Bull. Am. Nat. Hist. 33: 386, July 9, 1914.
= *Nyctinomops macrotis* (Gray). See Freeman, Fieldiana Zool., n.ser., 7: 163, March 31, 1981.
HOLOTYPE: **34383**. Skin and skull. Adult.
LOCALITY: Ecuador: Manavi (= Manabí); Chone. February 2, 1913.
COLLECTOR: W. B. Richardson. Original number 111.
CONDITION: Skin and skull complete.

***Promops affinis*** J. A. Allen
Bull. Am. Nat. Hist. 13: 91, May 12, 1900.
= *Nyctinomops macrotis* (Gray). See Freeman, Fieldiana Zool., n.ser., 7: 163, March 31, 1981.
HOLOTYPE: **15109**. Skin only. Adult female.
LOCALITY: Colombia: (Magdalena); Taganga. June 23, 1899.
COLLECTOR: Mrs. H. H. Smith (JSM). Original number 567.
CONDITION: Skin complete.

***Tadarida laticaudata ferruginea*** Goodwin
Am. Mus. Novitates 1670: 2, June 28, 1954.
= *Nyctinomops laticaudata ferruginea* (Goodwin). See Freeman, Fieldiana Zool., n.ser., 7: 163, March 31, 1981.
HOLOTYPE: **148683**. Skin and skull. Adult male.
LOCALITY: Mexico: Tamaulipas; 8 mi N Antiguo Morelos. January 2, 1952.
COLLECTOR: W. Z. Lidicker. Original number G 3973.
CONDITION: Skin and skull complete.

## Genus *EUMOPS* Miller

***Molossus perotis*** Wied *in* Schinz
Cuvier's Das Tierreich aus dem Franzosischen frey ubersetz mit vielen zusatzen ver-

sehen von H. R. Schinz, Stuttgart and Tubingen, 1, 1821.
= *Eumops perotis perotis* (Wied *in* Schinz). See Eger, Life Sci. Contrib. R. Ontario Mus. 110: 48, June 13, 1977.
HOLOTYPE: **435**. Skin and skull.
LOCALITY: Brazil: Rio de Janiero; Campos (listed by Wied as Villa de São Salvador dos Campos dos Goytacazes) on Rio Paraíba do Sul. 1815–1817.
COLLECTOR: Maximilian Wied-Neuwied. Original number unknown.
CONDITION: Skin faded and partial (left forearm missing). Skull incomplete (braincase and frontals missing).

***Eumops underwoodi*** Goodwin
Am. Mus. Novitates 1075: 2, June 27, 1940.
= *Eumops underwoodi underwoodi* Goodwin. See Eger, Life Sci. Contrib. R. Ontario Mus. 110: 55, June 13, 1977.
HOLOTYPE: **126862**. Skin and skull. Adult male.
LOCALITY: Honduras: La Paz; El Pedrero. March 18, 1937.
COLLECTOR: C. F. Underwood. Original number 1995.
CONDITION: Skin complete, with bald spots. Skull complete.

***Promops milleri*** J. A. Allen
Bull. Am. Nat. Hist. 13: 92, May 12, 1900.
= *Eumops auripendulus auripendulus* (Shaw). See Eger, Life Sci. Contrib. R. Ontario Mus. 110: 24, June 13, 1977.
HOLOTYPE: **11836/10128**. Skin and skull. Adult female.
LOCALITY: Peru: (Amazonas); Guayabamba (= Santa Rosa de Huayabamba), 6000 ft (1830 m). September 24, 1894.
COLLECTOR: O. T. Baron. Original number unknown.
CONDITION: Skin complete. Skull partial (left auditory bulla and entire mandible missing).

***Promops barbatus*** J. A. Allen
Bull. Am. Nat. Hist. 20: 228, June 29, 1904.
= *Eumops auripendulus auripendulus* (Shaw). See Eger, Life Sci. Contrib. R. Ontario Mus. 110: 24, June 13, 1977.
HOLOTYPE: **17570**. Skin and skull. Adult male.
LOCALITY: Venezuela: (Bolívar); La Unión. September 27, 1901.
COLLECTOR: S. M. Klages. Original number 275.
CONDITION: Skin and skull complete.

***Eumops abrasus oaxacensis*** Goodwin
Am. Mus. Novitates 1757: 2, March 8, 1956.
= *Eumops auripendulus auripendulus* (Shaw). See Eger, Life Sci. Contrib. R. Ontario Mus. 110: 24, June 13, 1977.
HOLOTYPE: **165943**. Skin and skull. Adult male.
LOCALITY: Mexico: Oaxaca; Mazatlan, 3000 ft (915 m). February 17, 1954.
COLLECTOR: T. MacDougall. Original number 1286.
CONDITION: Skin complete, with bald spots. Skull partial (zygomatic arches missing).

## Genus ***PROMOPS*** Gervais

***Promops nasutus downsi*** Goodwin and Greenhall
Am. Mus. Novitates 2080: 10, April 24, 1962.
HOLOTYPE: **186947**. Skin and skull. Adult female.
LOCALITY: (Trinidad and Tobago); Trinidad; (Victoria Parish) Port of Spain, Memorial Park. July 18, 1961.
COLLECTOR: H. Cassel. Original number T. D. A61-1779.
CONDITION: Skin and skull complete.

## Genus ***MOLOSSUS*** E. Geoffroy

***Molossus bondae*** J. A. Allen
Bull. Am. Nat. Hist. 20: 228, June 29, 1904.
HOLOTYPE: **23661**. Skin and skull. Adult female.
LOCALITY: Colombia: (Magdalena); Bonda. February 10, 1900.
COLLECTOR: Mrs. H. H. Smith (JSM). Original number 1235.
CONDITION: Skin complete. Skull partial (left zygomatic arch and entire dentary missing).

***Molossus cherriei*** J. A. Allen
Bull. Am. Nat. Hist. 35: 529, July 24, 1916.
= *Molossus molossus* (Pallas). See Freeman, Fieldiana Zool., n.ser., 7: 158, March 31, 1981.
HOLOTYPE: **36669**. Skin only. Adult female.
LOCALITY: Brazil: (Mato Grosso); Tapirapoan (= Tapirapuaa). January 13, 1914.

COLLECTOR: G. K. Cherrie (RBE). Original number 255.
CONDITION: Skin complete.

***Molossus coibensis*** J. A. Allen
Bull. Am. Nat. Hist. 20: 227, June 29, 1904.
= *Molossus molossus coibensis* Allen. See Hall, Mammals of North America 1: 255, 1981.
HOLOTYPE: **18731**. Skin and skull. Adult male.
LOCALITY: (Panama): Chiriqui; Coiba Island. June 3, 1901.
COLLECTOR: J. H. Batty. Original number 142.
CONDITION: Skin complete, membranes torn. Skull damaged (occiput cracked).
COMMENT: Freeman (1981: 157), although listing *coibensis* as a species, found it to be more closely allied with *bondae*.

***Molossus daulensis*** J. A. Allen
Bull. Am. Nat. Hist. 35: 530, July 24, 1916.
= *Molossus molossus daulensis* Allen. See Freeman, Fieldiana Zool., n.ser., 7: 158, March 31, 1981.
HOLOTYPE: **36257**. Skin and skull. Adult male.
LOCALITY: Ecuador: (Guayas); Daule. April 28, 1913.
COLLECTOR: W. B. Richardson. Original number unknown.
CONDITION: Skin complete. Skull partial (right zygomatic arch missing).

***Molossus verrilli*** J. A. Allen
Bull. Am. Nat. Hist. 24: 581, September 11, 1908.
= *Molossus molossus verrilli* Allen. See Freeman, Fieldiana Zool., n.ser., 7: 158, March 31, 1981.
HOLOTYPE: **25764**. Skin and skull. Adult male.
LOCALITY: Santo Domingo (= Dominican Republic): Samana. February 5, 1907.
COLLECTOR: A. H. Verrill. Original number 18.
CONDITION: Skin complete. Skull partial (zygomatic arches missing, back of cranium damaged).

***Molossus sinaloae*** J. A. Allen
Bull. Am. Nat. Hist. 22: 236, July 25, 1906.
HOLOTYPE: **24524**. Skin and skull. Adult female.
LOCALITY: (Mexico): Sinaloa; Escuinapa. February 15, 1904.
COLLECTOR: J. H. Batty. Original number 1044.
CONDITION: Skin complete (pelage matted). Skull complete.

***Molossus pretiosus macdougalli*** Goodwin
Am. Mus. Novitates 1757: 3, March 8, 1956.
HOLOTYPE: **145150**. Skin and skull. Adult female.
LOCALITY: Mexico: (Oaxaca); San Blas, 3 km SE Tehuantepec. September 5, 1946.
COLLECTOR: T. MacDougall. Original number 15170.
CONDITION: Skin complete (small dorsal bald spot). Skull partial (zygomatic arches missing).
COMMENT: There is no consensus about the taxon *macdougalli*. Goodwin recognized *macdougalli* as a separate species in 1964; however, Koopman (personal commun.), and Hall (1981) considered it a subspecies of *pretiosus*.

***Molossus trinitatus*** Goodwin
Am. Mus. Novitates 1967: 1, October 29, 1959.
HOLOTYPE: **179987**. Skin and skull. Adult male.
LOCALITY: W.I. (Trinidad and Tobago): Trinidad; Port of Spain, Belmont. October 18, 1958.
COLLECTOR: H. Cassel and R. Persad. Original number 58-3447.
CONDITION: Skin complete, with bald spots. Skull complete.
COMMENT: Koopman (personal commun.) considers this a subspecies of *sinaloae*, but Freeman (1981: 123) thought it a distinctive species because of skull, pelage, and baculum characters.

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## Order **SCANDENTIA** Wagner

### Family **TUPAIIDAE** Gray
### Genus ***TUPAIA*** Raffles

***Tupaia modesta*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 22: 481–482, December 17, 1906.
= *Tupaia belangeri* (Wagner). See Wilson, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 131, 1993.

HOLOTYPE: **26654**. Skin and skull. Adult male.
LOCALITY: China: Hainan; Lei-mui-mon. January 5, 1903.
COLLECTOR: Purchased from A. Owston. Original number 5.
CONDITION: Skin complete. Skull partial (basicranium and occiput missing).

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Order **PRIMATES** Linnaeus

Family **CHEIROGALEIDAE** Gray
Subfamily **PHANERINAE** Rumpler
Genus ***PHANER*** Gray

***Phaner furcifer electromontis*** Groves and Tattersall
Folia Primatol. 56: 47, 1991.
HOLOTYPE: **100627**. Skin and skull. Adult female.
LOCALITY: Madagascar: (Antsiranana); Montagne d'Ambre (= Ambohitra). October 30, 1930.
COLLECTOR: A. L. Rand (AME). Original number 1108.
CONDITION: Skin incomplete (right foot separated). Skull partial (left bulla missing, hole in left parietal).

***Phaner furcifer pallescens*** Groves and Tattersall
Folia Primatol. 56: 47, 1991.
HOLOTYPE: **100624**. Skin and skull. Adult male.
LOCALITY: Madagascar: (Toliara); Tabiky (= Tabika, 22°10′S, 44°15′E). November 11, 1929.
COLLECTOR: A. L. Rand (AME). Original number 562.
CONDITION: Skin complete. Skull complete except for missing left PM2.

Family **LEMURIDAE** Gray
Genus ***EULEMUR*** Simons and Rumpler

***Lemur fulvus sanfordi*** Archbold
Am. Mus. Novitates 518: 1, March 26, 1932.
= *Eulemur fulvus sanfordi* (Archbold). See Groves, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 244, 1993.
HOLOTYPE: **100585**. Skin and skull. Adult male.
LOCALITY: Madagascar: (Antsiranana); Montagne d'Ambre (= Ambohitra). October 17, 1930.
COLLECTOR: A. L. Rand and P. A. Dumont (AME). Original number 1083.
CONDITION: Skin and skull complete.

Family **INDRIIDAE** Burnett
Genus ***PROPITHECUS*** Bennett

***Propithecus tattersalli*** Simons
Folia Primatol. 50: 146, 1988.
HOLOTYPE: **257142**. Skin, skull, and postcranial skeleton. Adult male.
LOCALITY: Madagascar: Antsiranana; Primary dry forest 6 km NE Daraina. December 6, 1987.
COLLECTOR: E. Simons. Original number unknown.
CONDITION: Skin, skull, and postcranial skeleton complete.

Family **CALLITRICHIDAE** Gray
Genus ***SAGUINUS*** Hoffmannsegg

***Seniocebus meticulosus*** Elliot
Bull. Am. Mus. Nat. Hist. 31: 31, March 4, 1912.
= *Saguinus oedipus oedipus* Linnaeus. See Hershkovitz, Living New World monkeys (Platyrrhini) 1: 736, 1977.
HOLOTYPE: **32703**. Skin and skull. Adult male.
LOCALITY: Colombia: (Cordóba/Sucre/Bolívar); Río San Jorge. December 12, 1911.
COLLECTOR: Mrs. E. L. Kerr. Original number 13.
CONDITION: Skin complete. Skull complete except for missing left incisors and canine.

***Seniocebus pegasus*** Elliot
Bull. Am. Mus. Nat. Hist. 32: 252, July 14, 1913.
= *Saguinus leucopus* Gunther. See Hershkovitz, Living New World monkeys (Platyrrhini) 1: 749, 1977.
HOLOTYPE: **34563**. Skin only. Adult female.
LOCALITY: Colombia: (Antioquia); Rio Magdalena, Puerto Berrío, 100 ft (30.5 m). January 29, 1913.

COLLECTOR: L. A. Fuertes. Original number 4.
CONDITION: Skin complete.

***Saguinus bicolor ochraceus*** Hershkovitz
Folia Primatol. 4: 391, 1966.
HOLOTYPE: **94097**. Skin and skull. Adult female.
LOCALITY: Brazil: (Amazonas); Boca Rio Paratucù (= Piratucu), right bank tributary of Rio Nhamundá. December 19, 1930.
COLLECTOR: Olalla Brothers. Original number 3762.
CONDITION: Skin and skull complete.

***Saguinus fuscicollis avilapiresi*** Hershkovitz
Folia Primatol. 4: 386, 1966.
HOLOTYPE: 78959. Skin and skull. Adult female.
LOCALITY: Brazil: (Amazonas); Boca Lago de Tefé (Rio Solimões). July 15, 1928.
COLLECTOR: Olalla Brothers. Original number unknown.
CONDITION: Skin and skull complete.

***Saguinus fuscicollis crandalli*** Hershkovitz
Folia Primatol. 4: 389, 1966.
HOLOTYPE: **165018**. Skin and skeleton. Adult male.
LOCALITY: Unknown.
COLLECTOR: Unknown, gift of New York Zoological Society. Original number unknown.
CONDITION: Skin incomplete (distal half of tail missing). Skeleton complete.

***Oedipomidus salaguiensis*** Elliot
Bull. Am. Mus. Nat. Hist. 31: 137, July 23, 1912.
= *Saguinus geoffroyi* (Pucheran). See Groves, *in* Wilson and Reeder (eds.), Mammals of the world, a taxonomic and geographic reference, 2nd ed., p. 253, 1993.
HOLOTYPE: **33076**. Skin and skull. Adult male.
LOCALITY: Northern Colombia: (Chocó); Río Salaquí. 1912.
COLLECTOR: Mrs. E. L. Kerr. Original number 38.
CONDITION: Skin complete. Skull damaged but repaired, left anterior braincase missing.

***Leontocebus midas inustus*** Schwartz
Am. Mus. Novitates 1508: 1, April 13, 1957.
= *Saguinus inustus* (Schwartz). See Hershkovitz, Living New World monkeys (Platyrrhini), 1: 732, 1977.
HOLOTYPE: **79413**. Skin and skull. Adult male.
LOCALITY: Brazil: (Amazonas); (right bank upper) Rio Negro, Tabocal. September 15, 1929.
COLLECTOR: Olalla Brothers. Original number 1205-7.
CONDITION: Skin and skull complete.

Genus ***LEONTOPITHECUS*** Lesson

***Midas chrysomelas*** Kuhl
Beitr. Zool., p. 51, 1820.
= *Leontopithecus chrysomela* (Kuhl). See Groves, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 252, 1993.
SYNTYPE: **252**. Mounted skin includes skull. Adult male.
LOCALITY: Brazil: Bahia; Ribeirao das Minhocas, upper Rio Ilheus. 1815–1817.
COLLECTOR: Maximillian Wied-Neuwied. Original number unknown.
CONDITION: Skin complete but faded.
COMMENT: Returned from Vassar College in 1987. It had been inadvertently loaned in the 1940s.

Family **CEBIDAE** Bonaparte
Subfamily **AOTINAE** Poche
Genus ***AOTUS*** Illiger

***Aotus adversus*** Elliot
Bull. Am. Mus. Nat. Hist. 32: 251, July 14, 1913.
= *Aotus lemurinus lemurinus* J. A. Allen. See Hershkovitz, Am. J. Primatol. 4: 216, 1983.
HOLOTYPE: **34562**. Skin and skull. Adult male.
LOCALITY: Colombia: Cundinamarca; Fusugasugá, 8000 ft (2440 m). March 30, 1913.
COLLECTOR: F. M. Chapman. Original number 78.
CONDITION: Skin and skull complete.

***Aotus pervigilis*** Elliot
Bull. Am. Mus. Nat. Hist. 32: 252, July 14, 1913.
= *Aotus lemurinus lemurinus* J. A. Allen. See Hershkovitz, Am. J. Primatol. 4: 214, 1983.
HOLOTYPE: **33879**. Skin and skull.

LOCALITY: Colombia: Huila; La Candela, 5000 ft (1525 m). May 19, 1912.
COLLECTOR: L. E. Miller. Original number 780.
CONDITION: Skin partial (right foreleg missing). Skull missing.

***Aotus griseimembra*** Elliot
Bull. Am. Mus. Nat. Hist. 31: 33, March 4, 1912.
= *Aotus lemurinus griseimembra* Elliot. See Hershkovitz, Am. J. Primatol. 4: 214, 1983.
HOLOTYPE: **32664**. Skin, skull, and postcranial skeleton. Adult male.
LOCALITY: Colombia: Magdalena; Santa Marta, Hacienda Cincinnati (= Cincinati). July 20, 1911.
COLLECTOR: M. A. Carriker. Original number 10496.
CONDITION: Skin partial (distal tail missing). Skull incomplete (right maxilla and toothrow missing). Postcranial skeleton partial.

Subfamily **CALLICEBINAE** Pocock
Genus ***CALLICEBUS*** Thomas

***Callicebus lugens duida*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 33: 647, December 14, 1914.
= *Callicebus torquatus lugens* (Humboldt). See Tate, Bull. Am. Mus. Nat. Hist. 76: 220, October 20, 1939.
HOLOTYPE: **36179**. Skin and skull. Adult female.
LOCALITY: Venezuela: (Amazonas); Mount Duida, 700 ft (213.5 m). March 25, 1913.
COLLECTOR: L. E. Miller. Original number 12.
CONDITION: Skin complete. Skull complete except for missing left P3 and M2 and right P1.

Subfamily **PITHECIINAE** Mivart
Genus ***PITHECIA*** Desmarest

***Pithecia milleri*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 33: 650, December 14, 1914.
= *Pithecia monachus milleri* Allen. See Hershkovitz, Am. J. Primatol. 12: 424, 1987.
HOLOTYPE: **33876**. Skin and skull. Adult male.
LOCALITY: Colombia: Caquetá; Murelia (= Morelia). July 8, 1912.
COLLECTOR: L. E. Miller. Original number 878.
CONDITION: Skin complete, venter with bald spots. Skull complete except for missing right I1 and 2.

Genus ***CHIROPOTES*** Lesson

***Cacajao roosevelti*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 33: 651, December 14, 1914.
= *Chiropotes albinasus* I. Geoffroy and DeVille. See Hershkovitz, Fieldiana Zool. 27: 27, November 29, 1985.
HOLOTYPE: **36906**. Skin and skull. Adult male.
LOCALITY: Brazil: (Rondônia); Barão (de) Melgaço (Upper Rio Jiparaná). March 5, 1914.
COLLECTOR: L. E. Miller (RBE). Original number 324.
CONDITION: Skin complete. Skull complete except for missing right m3.

***Chiropotes satanus utahicki*** Hershkovitz
Fieldiana Zool. 27: 17, November 29, 1985.
HOLOTYPE: **95865**. Skin and skull. Adult male.
LOCALITY: Brazil: Pará; Tapará, right bank Rio Xingu. August 24, 1931.
COLLECTOR: A. M. Olalla. Original number 5190.
CONDITION: Skin and skull complete.

Subfamily **ALOUATTINAE** Trouessart
Genus ***ALOUATTA*** Lacepede

***Alouatta palliata matagalpae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 24: 670, October 13, 1908.
= *Alouatta palliata palliata* (Gray). See Lawrence, Bull. Mus. Comp. Zool. 75: 318, November 1933.
HOLOTYPE: **28426**. Skin, skull, leg bones. Adult male.
LOCALITY: Nic. (= Nicaragua): Mat. (= Matagalpa); Lavala. October 13, 1907.
COLLECTOR: W. B. Richardson. Original number 128.
CONDITION: Skin complete. Skull complete except for missing left m1, m2, m3, and right m3.

***Alouatta seniculus bogotensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 33: 648, December 14, 1914.
= *Alouatta seniculus seniculus* Linnaeus. See Hershkovitz, Proc. U.S. Natl. Mus. 98: 384, 1949.
HOLOTYPE: **36476**. Skin and skull. Adult male.
LOCALITY: Colombia: Cundinamarca; Subía, 7000 ft (2135 m). July 25, 1913.
COLLECTOR: M. Gonzales. Original number 2.
CONDITION: Skin and skull complete.

***Alouatta seniculus caquetensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 33: 650, December 14, 1914.
= *Alouatta seniculus seniculus* Linnaeus. See Hershkovitz, Proc. U.S. Natl. Mus. 98: 384, 1949.
HOLOTYPE: **33882**. Skin and skull. Adult female.
LOCALITY: Colombia: Caquetá; La Murelia (= Morelia). July 18, 1912.
COLLECTOR: L. E. Miller. Original number 915.
CONDITION: Skin complete, with bald spots. Skull complete.

***Alouatta seniculus caucensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist.20: 462, November 28, 1904.
= *Alouatta seniculus seniculus* Linnaeus. See Hershkovitz, Proc. U.S. Natl. Mus. 98: 384, 1949.
HOLOTYPE: **14162**. Skin and skull. Adult male.
LOCALITY: Colombia: Charingo (Upper Cauca valley). May 5, 1898.
COLLECTOR: J. H. Batty. Original number 543.
CONDITION: Skin complete, venter with bald spots. Skull complete.

***Alouatta seniculus rubicunda*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 458, November 28, 1904.
= *Alouatta seniculus seniculus* Linnaeus. See Hershkovitz, Proc. U.S. Natl. Mus. 98: 384, 1949.
HOLOTYPE: **14655**. Skin and skull. Adult male.
LOCALITY: (Colombia): (Magdalena); (Bonda). December 22, 1898.
COLLECTOR: H. H. Smith (JSM). Original number 177.
CONDITION: Skin complete, with bald spots. Skull partial (right zygomatic arch missing).
COMMENT: Figures 1 and 3 of type description are labeled "rubiginosa," which is a lapsus for *rubicunda*.

## Subfamily **CEBINAE** Bonaparte
## Genus ***CEBUS*** Erxleben

***Cebus capucinus nigripectus*** Elliot
Bull. Am. Mus. Nat. Hist. 26: 229, April 17, 1909.
= *Cebus capucinus capucinus* Linnaeus. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(1): 168, March 27, 1958.
HOLOTYPE: **14180**. Skin and skull. Adult female.
LOCALITY: Colombia: Cauca; Las Pabas (= Valle de Las Papas), 4500 ft (1372.5 m). June 13, 1898.
COLLECTOR: J. H. Batty (BPE). Original number 235.
CONDITION: Skin complete, with bald spots. Skull partial (basicranium missing).

***Cebus apella brunneus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 33: 653, December 14, 1914.
= *Cebus olivaceus brunneus* Allen. See Groves, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 260, 1993.
HOLOTYPE: **32052**. Skin and skull. Adult male.
LOCALITY: Venezuela: Yaracuy; Aroa, 730 ft (224 m). December 14, 1910.
COLLECTOR: M. A. Carriker, Jr. Original number 8929.
CONDITION: Skin complete. Skull complete except for missing right p1 and m3.

***Cebus malitiosus*** Elliot
Bull. Am. Mus. Nat. Hist. 26: 230, April 17, 1909.
= *Cebus albifrons hypoleucus* (Humboldt). See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(1): 160, March 27, 1958.

HOLOTYPE: **14620**. Skin and skull. Adult male.
LOCALITY: Colombia: (Magdalena); near Bonda. October 27, 1898.
COLLECTOR: H. H. Smith (JSM). Original number 138.
CONDITION: Skin complete but torn. Skull intact except for missing right M3 and left M2 and M3.

***Cebus aequatorialis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 33: 654, December 14, 1914.
= *Cebus albifrons aequatorialis* Allen. See Hershkovitz, Proc. U.S. Natl. Mus. 98: 378, 1949.
HOLOTYPE: **34273**. Skin and skull. Adult female.
LOCALITY: Ecuador: Manavi (= Manabí); Río de Oro. January 15, 1913.
COLLECTOR: W. B. Richardson. Original number 118.
CONDITION: Skin complete. Skull damaged but repaired; left and right m3 missing.

Genus ***SAIMIRI*** Voigt

***Saimiri caquetensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 35: 87, April 28, 1916.
= *Saimiri sciureus macrodon* Elliot. See Hershkovitz, Am. J. Primatol. 7: 194, 1984.
HOLOTYPE: **33874**. Skin and skull. Adult male.
LOCALITY: Colombia: Caquetá; Florencia, 800 ft (244 m). July 6, 1912.
COLLECTOR: L. E. Miller. Original number 868.
CONDITION: Skin complete, limbs with bald spots. Skull intact but teeth missing.

Subfamily **ATELINAE** Gray
Genus ***ATELES*** E. Geoffroy

***Ateles longimembris*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 33: 651, December 14, 1914.
= *Ateles chamek* (Humboldt). See Groves, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 257, 1993.
HOLOTYPE: **36909**. Skin and skull. Adult female.
LOCALITY: Brazil: (Rôndonia); Baron Melgaço (= Barão de Melgaço), headwaters of Rio Gy-Paraná (= Jiparaná). March 6, 1914.
COLLECTOR: L. E. Miller (RBE). Original number 328.
CONDITION: Skin complete, limbs with bald spots. Skull complete except for missing PM 1-2.

***Ateles robustus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 33: 652, December 14, 1914.
= *Ateles fuscipes robustus* Allen. See Kellog and Goldman, Proc. U.S. Natl. Mus. 96: 29, 1944.
HOLOTYPE: **32354**. Skin and skull. Adult female.
LOCALITY: Colombia: Cauca; Gallera (= La Gallera), 5000 ft (1525 m). July 13, 1911.
COLLECTOR: L. E. Miller. Original number 268.
CONDITION: Skin and skull complete.

Family **XENOTRICHIDAE** Hershkovitz
Genus ***XENOTHRIX***
Williams and Koopman

***Xenothrix mcgregori*** Williams and Koopman
Am. Mus. Novitates 1546: 12, March 3, 1952.
HOLOTYPE: **148198**. Incomplete mandible. Subfossil.
LOCALITY: Jamaica: Trelawney Parish; Long Mile Cave. January 17, 1920.
COLLECTOR: H. E. Anthony. Original number unknown.
CONDITION: Left dentary contains m2 and m3 only, anterior portion of right dentary present.
COMMENT: MacPhee and Fleagle (1991) reported postcranial remains of *Xenothrix* and endorsed its familial separation from other groups of primates.

Family **CERCOPITHECIDAE** Gray
Subfamily **CERCOPITHECINAE** Gray
Genus ***MACACA*** Lacepede

***Pithecus brachyurus*** Elliot
Ann. Mag. Nat. Hist., ser. 8, 4: 251, September 1909.
= *Macaca mulatta mulatta* (Zimmerman). See G. M. Allen, The mammals of China and Mongolia, Nat. Hist. Cent. Asia 11(1): 285. September 2, 1938.

HOLOTYPE: **27577**. Skin and skull. Adult male.
LOCALITY: China: Hainan; Mount Wuchi (= Wuzhi Shan). October 10, 1905.
COLLECTOR: Agents of Alan Owston. Original number 13.
CONDITION: Skin complete. Skull partial (right zygomatic arches missing).

Subfamily **COLOBINAE** Jerdon
Genus ***PROCOLOBUS*** (Rochebrune)

***Colobus langi*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 47: 443, February 6, 1925.
= *Procolobus pennantii* Waterhouse. See Groves, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 272, 1993.
HOLOTYPE: **52290**. Skin and skull. Adult male.
LOCALITY: Congo (= Zaire); (Haut-Zaire); Bisimu. September 8, 1909.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 19.
CONDITION: Skin complete, but torn. Skull intact except for missing upper right canine.

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Order **MACROSCELIDEA** Butler

Family **MACROSCELIDIDAE** Bonapart
Genus ***ELEPHANTULUS***
Thomas and Schwann

***Elephantulus intufi mossamedensis*** Hill and Carter
Am. Mus. Novitates 937: 1, July 13, 1937.
HOLOTYPE: **85664**. Skin and skull. Adult male.
LOCALITY: Angola: (Namibe); 101 km E Mossamedes (= Namibe). July 6, 1925.
COLLECTOR: H. Lang (VA). Original number 222.
CONDITION: Skin complete. Skull complete but right bulla damaged.

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Order **LAGOMORPHA** Brandt

Family **OCHOTONIDAE** Thomas
Genus ***OCHOTONA*** Link

***Ochotona cinnamomea*** J. A. Allen
Bull. Mus. Brooklyn Inst. Arts Sci. 1: 121, March 31, 1905.
= *Ochotona princeps cinnamomea* Allen. See Hall, Proc. Biol. Soc. Washington 47: 103, June 13, 1934.
HOLOTYPE: **28733**. Skin and skull.
LOCALITY: (United States); Utah; (Beaver County), Briggs (= Britts) Meadows, Beaver Range (Tushar Mountains), 11,000 ft (3355 m). August 20, 1904.
COLLECTOR: G. P. Engelhardt. Original number 434.
CONDITION: Skin complete. Skull partial (left squamosal and auditory bulla missing).

***Ochotona figginsi*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 31: 103, May 28, 1912.
= *Ochotona princeps figginsi* Allen. See A. H. Howell, N. Am. Fauna 47: 21, August 21, 1924.
HOLOTYPE: **32721**. Skin and skull. Adult female.
LOCALITY: (United States): Colorado; (Rio Blanco County), Pagoda Peak. October 30, 1911.
COLLECTOR: J. D. Figgins. Original number 6.
CONDITION: Skin complete. Skull partial (occiput and basicranium missing).

***Ochotona coreanus*** J. A. Allen and R. C. Andrews
Bull. Am. Mus. Nat. Hist. 12: 429, September 2, 1913.
= *Ochotona hyperborea coreana* Allen and Andrews. See Smith et al., *in* Chapman and Flux (eds.), Rabbits, hares and pikas, p. 34, 1990.
HOLOTYPE: **34050**. Skin and skull. Adult female.
LOCALITY: (?North) Korea: Pochong, 3000 ft (915 m). June 2, 1912.
COLLECTOR: R. C. Andrews. Original number 151.
CONDITION: Skin complete. Skull damaged (alisphenoids).

***Ochotona kolymensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 19: 154, March 31, 1903.
= *Ochotona hyperborea kolymensis* Allen. See Smith et al., *in* Chapman and Flux (eds.), Rabbits, hares and pikas, p. 34, 1990.
HOLOTYPE: **19535**. Body in alcohol, skull extracted. Adult male.

LOCALITY: (Russian Federation): Siberia: Yakutskaya A.S.S.R.; Kolyma River, Verkhne Kolymsk. December 1901.
COLLECTOR: W. Jochelson. Original number unknown.
CONDITION: Alcoholic, skull cleaned (hole in left parietal).

***Ochotona osgoodi*** Anthony
Publ. Field Mus. Nat. Hist., zool., 27: 113, December 8, 1941.
= *Ochotona thibetana osgoodi* Anthony. See Hoffmann, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 808, 1993.
HOLOTYPE: **115464**. Skin and skull. Adult male.
LOCALITY: Northern Burma: (Kachin); Nyetmaw River, 8600 ft (2623 m). January 28, 1939.
COLLECTOR: H. E. Anthony (VC). Original number 3940.
CONDITION: Skin and skull complete.

## Family **LEPORIDAE**
## Fischer von Waldheim
## Genus ***LEPUS*** Linnaeus

***Caprolagus sinensis flaviventris*** G. M. Allen
Am. Mus. Novitates 284: 5, September 13, 1927.
= *Lepus sinensis flaviventris* (Allen). See Ellerman and Morrison-Scott, Checklist of Palearctic and Indian mammals, p. 442, November 19, 1956.
HOLOTYPE: **84500**. Skin and skull. Adult male.
LOCALITY: China: Fukien (= Fujian); Chunganhsien (= Chong'an). August 1, 1926.
COLLECTOR: C. Pope (AE3). Original number 660.
CONDITION: Skin complete (neck and hind legs torn and repaired). Skull complete.

***Lepus gichiganus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 19: 155, March 31, 1903.
= *Lepus timidus timidus* Linnaeus. See Corbet, The mammals of the Palaearctic region, a taxonomic review, p. 73, 1978.
HOLOTYPE: **18286**. Skin and skull. Adult male.
LOCALITY: (Russian Federation): Northeast Siberia (Magadan); Gichiga (= Gizhiga). January 11, 1901.
COLLECTOR: N. G. Buxton (JNP). Original number 365.
CONDITION: Skin complete. Skull damaged (right orbital bar broken off).

***Lepus timidus mordeni*** Goodwin
Am. Mus. Novitates 681: 15, December 30, 1933.
= *Lepus timidus timidus* Linnaeus. See Corbet, The mammals of the Palaearctic region, a taxonomic review, p. 73, 1978.
HOLOTYPE: **85408**. Skin and skull. Adult male.
LOCALITY: (Russian Federation): Amurland (Khabarovskiikrai); Monoma River, 80 mi (123 km NE Troitskov [= Troitskoe]). January 16, 1930.
COLLECTOR: G. G. Goodwin (MG). Original number 141.
CONDITION: Skin and skull complete.

***Lepus europaeus iranensis*** Goodwin
Am. Mus. Novitates 1050: 4, December 1, 1939.
= *Lepus talai tibetanus* Waterhouse. See Hoffmann, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 817, 1993.
HOLOTYPE: **88904**. Skin and skull. Adult male.
LOCALITY: Iran; Teheran; Teheran, 3500 ft (1067 m). December 6, 1938.
COLLECTOR: G. G. Goodwin (LIE). Original number 3890.
CONDITION: Skin and skull complete.

***Lepus comus*** G. M. Allen
Am. Mus. Novitates 284: 9, September 13, 1927.
HOLOTYPE: **43174**. Skin and skull. Adult female.
LOCALITY: China: Yunnan; Teng-yueh (= Tengchong). April 19, 1917.
COLLECTOR: R. C. Andrews and E. Heller (AZE). Original number 1934.
CONDITION: Skin complete. Skull intact except for missing right M3.

***Lepus bishopi*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 12: 11, March 4, 1899.

= *Lepus americanus bishopi* Allen. See Nelson, N. Am. Fauna 29: 97, August 31, 1909.
HOLOTYPE: **10796/9094**. Skin and skull. Adult male.
LOCALITY: (United States): North Dakota; (Rolette County), (Turtle Mountains), Mill Lake. July 12, 1895.
COLLECTOR: L. B. Bishop. Original number unknown.
CONDITION: Skin complete. Skull partial (left zygomatic arch missing).

***Lepus americanus phaeonotus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 12: 11, March 4, 1899.
HOLOTYPE: **4491/3505**. Skin and skull. Adult male.
LOCALITY: (United States): Minnesota; Kittson County, (Hallock). November 17, 1891.
COLLECTOR: E. A. Mearns. Original number 1384.
CONDITION: Skin partial (right hind leg missing). Skull complete except for missing M2 and M3 on both sides.

***Lepus alleni*** Mearns
Bull. Am. Mus. Nat. Hist. 2: 294, February 21, 1890.
HOLOTYPE: **2412/1869**. Skin and skull. Adult male.
LOCALITY: (United States): Arizona; (Pima County), Rillito Station. May 8, 1885.
COLLECTOR: E. A. Mearns. Original number 191.
CONDITION: Skin complete. Skull intact except for missing left PM4, M2, and M3).

***Lepus (Microtolagus) gaillardi battyi*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 19: 607, November 12, 1903.
= *Lepus callotis gaillardi* Mearns. See Anderson and Gaunt, Am. Mus. Novitates 2088: 5, May 24, 1962.
HOLOTYPE: **21257**. Skin and skull. Adult male.
LOCALITY: Mexico: (Durango); Rancho Santuario. March 5, 1903.
COLLECTOR: J. H. Batty. Original number 304.
CONDITION: Skin and skull complete.
COMMENT: Spelling of subgenus given in original publication is typographical error; it should be *Macrotolagus*.

***Lepus texianus deserticola*** Mearns
Proc. U.S. Natl. Mus. 18: 564, June 24, 1896.
= *Lepus californicus deserticola* Mearns. See Nelson, N. Am. Fauna 29: 137, August 31, 1909.
HOLOTYPE: **8308/6642**. Skin and skull. Adult female.
LOCALITY: (United States): California; San Diego County, (eastern base of) Coast Range. May 7, 1894.
COLLECTOR: F. Holzner. Original number 1205.
CONDITION: Skin complete, with bald spots. Skull complete.

***Lepus texianus eremicus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 6: 347, December 7, 1894.
= *Lepus californicus deserticola* Mearns. See Nelson, N. Am. Fauna 29: 140, August 31, 1909.
HOLOTYPE: **9034/7327**. Skin and skull. Adult female.
LOCALITY: (United States): Arizona; (Cochise County), Fairbank. March 5, 1894.
COLLECTOR: W. W. Price and B. C. Condit. Original number 632.
CONDITION: Skin complete, with bald spots. Skull missing (see Goodwin, 1953: 373).

***Lepus melanotis*** Mearns
Bull. Am. Mus. Nat. Hist. 2: 297, February 21, 1890.
= *Lepus californicus melanotis* Mearns. See Nelson, N. Am. Fauna 29: 146, August 31, 1909.
HOLOTYPE: **2422/1554**. Skin and skull. Adult male.
LOCALITY: (United States): Kansas; (Montgomery County), near Independence. January 17, 1890. Original description incorrectly gives purchase date as January 27.
COLLECTOR: E. A. Mearns; purchased in New York City market. Original number 821.
CONDITION: Skin complete. Skull partial, (right zygomatic arch, left premaxillary tip, and all incisors missing).

***Lepus (Macrotolagus) texianus micropus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 19: 604, November 12, 1909.

= *Lepus californicus texianus* Waterhouse. See Nelson, N. Am. Fauna 29: 142, August 31, 1909.
HOLOTYPE: **21251**. Skin and skull. Adult male.
LOCALITY: Mexico: Durango; Rio del Bocas, 6800 ft (2074 m). February 11, 1903.
COLLECTOR: J. H. Batty. Original number 205.
CONDITION: Skin complete. Skull partial (right auditory bulla, posterior rami, left m2 and m3 missing).

## Genus *SYLVILAGUS* Gray

***Lepus sylvaticus floridanus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 3: 160, October 1890.
= *Sylvilagus floridanus floridanus* (Allen). See Nelson, N. Am. Fauna 29: 164, August 31, 1909.
HOLOTYPE: **1890/1155**. Skin and skull. Adult female.
LOCALITY: (United States): Florida; (Brevard County), San Sebastian River (near Micco). March 18, 1899.
COLLECTOR: F. M. Chapman. Original number 222.
CONDITION: Skin complete. Skull partial (right zygomatic arch and left dentary missing).

***Lepus sylvaticus mearnsi*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 6: 336, May 31, 1894.
= *Sylvilagus floridanus mearnsi* (Allen). See Lyon, Smithsonian Misc. Coll. 45: 336, June 15, 1904.
HOLOTYPE: **4483/3498**. Skin and skull. Adult male.
LOCALITY: (United States): Minnesota; Hennepin County, Fort Snelling. March 29, 1891.
COLLECTOR: E. A. Mearns. Original number 1204.
CONDITION: Skin and skull missing (see Goodwin, 1953: 373).

***Lepus floridanus chapmani*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 12: 12, March 4, 1899.
= *Sylvilagus floridanus chapmani* (Allen). See Nelson, N. Am. Fauna 29: 176, August 31, 1909.
HOLOTYPE: **3909/2983**. Skin and skull. Adult male.
LOCALITY: (United States): Texas; (Nueces County), Corpus Christi. April 10, 1891.
COLLECTOR: F. M. Chapman. Original number 336.
CONDITION: Skin complete. Skull partial (right bulla missing).

***Lepus (Sylvilagus) durangae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 19: 609, November 12, 1903.
= *Sylvilagus floridanus holzneri* (Mearns). See Nelson, N. Am. Fauna 29: 178, August 31, 1909.
HOLOTYPE: **21377**. Skin and skull. Adult female.
LOCALITY: Mexico: (Durango); Rancho Bailon, 7800 ft (2379 m). May 12, 1903.
COLLECTOR: J. H. Batty. Original number 569.
CONDITION: Skin complete. Skull complete (left dentary repaired).

***Lepus (Sylvilagus) russatus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 31, February 29, 1904.
= *Sylvilagus floridanus russatus* (Allen). See Nelson, N. Am. Fauna 29: 186, August 31, 1909.
HOLOTYPE: **17203**. Skin and skull. Adult male.
LOCALITY: Mexico: Vera Cruz; Pasa Nueva (= Paso Nuevo). April 10, 1901.
COLLECTOR: A. E. Colburn. Original number 106.
CONDITION: Skin complete. Skull intact except for missing left M2 and M3.

***Lepus sylvaticus aztecus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 3: 188, December 10, 1890.
= *Sylvilagus floridanus aztecus* (Allen). See Nelson, N. Am. Fauna 29: 187, August 31, 1909.
HOLOTYPE: **3116/2438**. Skin and skull. Adult male.
LOCALITY: Mexico: Oaxaca; Tehuantepec City. February 19, 1890.
COLLECTOR: A. C. Buller. Original number 133.
CONDITION: Skin complete. Skull complete except for missing right m3.

***Lepus (Sylvilagus) superciliaris*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 12: 196, December 20, 1899.
= *Sylvilagus floridanus superciliaris* (Allen). See Hershkovitz, Proc. U.S. Natl. Mus. 100: 339, 1950.
HOLOTYPE: **15428**. Skin and skull. Adult male.
LOCALITY: (Colombia): (Magdalena); Bonda. July 4, 1899.
COLLECTOR: H. H. Smith (JSM). Original number 785.
CONDITION: Skin complete. Skull partial (right auditory bulla and right M3 missing).

***Sylvilagus boylei*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 35: 84, April 28, 1916.
= *Sylvilagus floridanus superciliaris* (Allen). See Hershkovitz, Proc. U.S. Natl. Mus. 100: 340, 1950.
HOLOTYPE: **37794**. Skin and skull. Adult female.
LOCALITY: Colombia: (Atlántico); La Playa, near Barranquilla. March 25, 1915.
COLLECTOR: L. E. Miller and H. S. Boyle. Original number 1701.
CONDITION: Skin complete. Skull partial (tips of nasals and M3s missing).

***Lepus sylvaticus grangeri*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 7: 264, August 21, 1895.
= *Sylvilagus nuttallii grangeri* (Allen). See Nelson, N. Am. Fauna 29: 204, August 31, 1909.
HOLOTYPE: **9094/7402**. Skin and skull. Adult female.
LOCALITY: (United States): South Dakota; (Custer County), Hill City. August 11, 1894.
COLLECTOR: W. W. Granger. Original number 292/1533.
CONDITION: Skin complete. Skull intact except for missing right M2.

***Lepus sylvaticus pinetus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 6: 348, December 7, 1894.
= *Sylvilagus nuttallii pinetus* (Allen). See Nelson, N. Am. Fauna 29: 207, August 31, 1909.
HOLOTYPE: **9041/7336**. Skin and skull. Adult male.
LOCALITY: (United States): Arizona; (Apache County), White Mountains (S Mount Ord.). August 14, 1894.
COLLECTOR: B. C. Condit. Original number 2593.
CONDITION: Skin complete. Skull partial (left postorbital and left PM4 missing).

***Lepus arizonae confinus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 10: 146, April 12, 1898.
= *Sylvilagus audubonii confinus* (Allen). See Nelson, N. Am. Fauna 29: 220, August 31, 1909.
HOLOTYPE: **13562/11911**. Skin and skull. Adult female.
LOCALITY: (Mexico): Lower California (= Baja California); Playa Maria. July 8, 1897.
COLLECTOR: A. W. Anthony. Original number 83.
CONDITION: Skin complete. Skull partial (left auditory bulla missing).

***Lepus (Sylvilagus) parvulus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 34, February 29, 1904.
= *Sylvilagus audubonii parvulus* (Allen). See Nelson, N. Am. Fauna 29: 236, August 31, 1909.
HOLOTYPE: **12578/10888**. Skin and skull.
LOCALITY: Mexico: (Hidalgo); Apam, 8000 ft (2440 m). March 19, 1897.
COLLECTOR: F. M. Chapman. Original number unknown.
CONDITION: Skin complete. Skull partial (left auditory bulla, left ascending ramus missing).

***Lepus insolitus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 3: 189, December 10, 1890.
= *Sylvilagus cunicularis insolitus* (Allen). See Nelson, N. Am. Fauna 29: 243, August 31, 1909.
HOLOTYPE: **2655/2133**. Skin and skull. Adult male.
LOCALITY: Mexico: Colima; Plains of Colima. January 15, 1890.
COLLECTOR: A. C. Buller. Original number 124.
CONDITION: Skin complete. Skull intact except for missing right M3 and left m1.

***Lepus cinerascens*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 3: 159, October 1890.

= *Sylvilagus bachmani cinerascens* (Allen). See Nelson, N. Am. Fauna 29: 252, August 31, 1909.
HOLOTYPE: **2883/2302**. Skin and skull. Adult female.
LOCALITY: (United States): California; (Los Angeles County), San Fernando. March 22, 1890.
COLLECTOR: E. C. Thurber. Original number unknown.
CONDITION: Skin complete. Skull intact except for missing M2 and M3.

***Lepus cerrosensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 10: 145, April 12, 1898.
= *Sylvilagus bachmani cerrosensis* (Allen). See Nelson, N. Am. Fauna 29: 255, August 31, 1909.
HOLOTYPE: **13561/11910**. Skin and skull. Adult female.
LOCALITY: Mexico: Lower California (= Baja California); Cerros Island (= Isla Cedros). April 17, 1897.
COLLECTOR: A. W. Anthony. Original number 54.
CONDITION: Skin complete. Skull partial (posterior and ventral braincase missing).

***Lepus aquaticus attwateri*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 7: 327, November 8, 1895.
= *Sylvilagus aquaticus aquaticus* (Bachman). See Nelson, N. Am. Fauna 29: 271, August 31, 1909.
HOLOTYPE: **7744/6131**. Skin and skull. Adult female.
LOCALITY: (United States): Texas; Bexar County, Medina River 18 mi (28.9 km) S San Antonio. May 8, 1894.
COLLECTOR: H. P. Attwater. Original number unknown.
CONDITION: Skin and skull complete.

***Lepus gabbi tumacus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 24: 649, October 13, 1908.
= *Sylvilagus brasiliensis gabbi* (Allen). See Hershkovitz, Proc. U.S. Natl. Mus. 100: 351, 1950.
HOLOTYPE: **28409**. Skin and skull. Adult male.
LOCALITY: Nicaragua: (Zelaya); Tuma, (Atlantic slope east of Matagalpa). December 2, 1907.
COLLECTOR: W. B. Richardson. Original number 157.
CONDITION: Skin complete. Skull partial (part of right alisphenoid missing; right M2 and M3, and right M2 and M3 missing).

***Sylvilagus gabbi consobrinus*** Anthony
Bull. Am. Mus. Nat. Hist. 37: 335, May 28, 1917.
= *Sylvilagus brasiliensis consobrinus* Anthony. See Hershkovitz, Proc. U.S. Natl. Mus. 100: 353, 1950.
HOLOTYPE: **36793**. Skin and skull. Adult female.
LOCALITY: Panama: Old Panama (near Panama City). February 21, 1914.
COLLECTOR: H. E. Anthony. Original number 19.
CONDITION: Skin complete. Skull intact except for missing left PM2, PM3 and M3.

***Sylvilagus (Tapeti) fulvescens*** J. A. Allen
Bull. Am. Mus. Nat. Hist.31: 75, April 19, 1912.
= *Sylvilagus brasiliensis fulvescens* Allen. See Hershkovitz, Proc. U.S. Natl. Mus. 100: 355, 1950.
HOLOTYPE: **32360**. Skin and skull. Adult female.
LOCALITY: Colombia: Cauca; Belén, west of Papayan, 10,000 ft (3050 m). July 28, 1911.
COLLECTOR: L. E. Miller. Original number 308.
CONDITION: Skin complete. Skull intact except for missing right M2 and m3.
COMMENT: Label gives altitude incorrectly as 6000 ft.

***Sylvilagus (Tapeti) salentus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 32: 476, September 25, 1913.
= *Sylvilagus brasiliensis salentus* Allen. See Hershkovitz, Proc. U.S. Natl. Mus. 100: 355, 1950.
HOLOTYPE: **33050**. Skin and skull. Adult male.
LOCALITY: Colombia: Cauca (Quindío); Western Quindio Andes, Salento, 7000 ft (2135 m). October 2, 1911.
COLLECTOR: L. E. Miller. Original number 386.
CONDITION: Skin complete. Skull partial (fragments only present).

***Sylvilagus kelloggi*** Anthony
Am. Mus. Novitates 55: 9, January 31, 1923.
= *Sylvilagus brasiliensis kelloggi* Anthony. See Hershkovitz, Proc. U.S. Natl. Mus. 100: 361, 1950.
HOLOTYPE: **60515**. Skin and skull. Adult male.
LOCALITY: Ecuador: (Loja); Guachanamá, east of Alamor and northeast of Celica, 9050 ft (2760 m). October 8, 1923.
COLLECTOR: H. E. Anthony. Original number 2217.
CONDITION: Skin and skull complete.

***Sylvilagus chillae*** Anthony
Am. Mus. Novitates 55: 12, January 31, 1923.
= *Sylvilagus brasiliensis chillae* Anthony. See Hershkovitz, Proc. U.S. Natl. Mus. 100: 362, 1950.
HOLOTYPE: **60511**. Skin and skull. Adult female.
LOCALITY: Ecuador: El Oro; trail between Salvias and Zaraguro, 6000 ft (1830 m). August 29, 1920.
COLLECTOR: H. E. Anthony. Original number 1971.
CONDITION: Skin complete. Skull damaged and incomplete.

***Sylvilagus daulensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 33: 199, February 28, 1914.
= *Sylvilagus brasiliensis surdaster* Thomas. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(2): 350, August 25, 1961.
HOLOTYPE: **34671**. Skin and skull. Adult female.
LOCALITY: Ecuador: (Guayas); Daule. April 21, 1913.
COLLECTOR: W. B. Richardson. Original number 135.
CONDITION: Skin complete, with bald spots. Skull intact except for missing right M3.

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Order **RODENTIA** Bowdich

Family **SCIURIDAE** Gray
Subfamily **SCIURINAE** Hemprich
Genus ***SCIURUS*** Linnaeus

***Sciurus cervicalis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 3: 183, December 10, 1890.
= *Sciurus aureogaster socialis* Wagner. See Musser, Misc. Publ. Mus. Zool. Univ. Michigan 137: 98, November 1, 1968.
HOLOTYPE: **1991/1260**. Skin and skull. Adult male.
LOCALITY: Mexico: Jalisco; Tonila, Hacienda San Marcos. May 14, 1889.
COLLECTOR: A. C. Buller. Original number 19.
CONDITION: Skin complete with repaired ventral tears. Skull intact except for missing right M3 and PM1.

***Sciurus poliopus tepicanus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 22: 243, July 25, 1906.
= *Sciurus aureogaster socialis* Wagner. See Musser, Misc. Publ. Mus. Zool. Univ. Michigan 137: 98, November 1, 1968.
HOLOTYPE: **25258**. Skin and skull. Adult female.
LOCALITY: (Mexico): (Nayarit); Territory Tepic near Amatlan (= Amatlan de Cañas), Rancho Palo Amarillo. January 1, 1905.
COLLECTOR: J. H. Batty. Original number 1432.
CONDITION: Skin complete. Skull damaged (frontals broken).

***Sciurus yucatanensis phaeopus*** Goodwin
Am. Mus. Novitates 574: 1, October 22, 1932.
HOLOTYPE: **73106**. Skin and skull. Adult male.
LOCALITY: Guatemala: Secanquim. January 31, 1926.
COLLECTOR: A. W. Anthony. Original number 227.
CONDITION: Skin complete. Cranium intact, dentaries damaged.

***Sciurus aberti barberi*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 207, May 28, 1904.
HOLOTYPE: **17503**. Skin and skull. Adult female.
LOCALITY: Mexico: Chihuahua; Colonia Garcia. October 14, 1901.
COLLECTOR: C. M. Barber. Original number 15.
CONDITION: Skin complete. Skull partial (incisor ends, lower braincase, and occiput missing).

***Sciurus aberti phaeurus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 205, May 28, 1904.

HOLOTYPE: **23821**. Skin and skull. Adult female.
LOCALITY: (Mexico): Durango; La Ciénego, 7500 ft (2287.5 m). November 4, 1903.
COLLECTOR: J. H. Batty. Original number 924.
CONDITION: Skin complete, with bald spots over most of dorsum. Skull partial (left zygomatic arch and coronoid of left dentary missing).

***Sciurus deppei matagalpae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 24: 660, October 13, 1908.
HOLOTYPE: **28440**. Skin and skull. Adult female.
LOCALITY: Nicaraugua: (Nueva Segovia); San Rafael del Norte. April 10, 1907.
COLLECTOR: W. B. Richardson (JE). Original number 32.
CONDITION: Skin complete. Skull partial (occiput missing).

***Sciurus alstoni*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 2: 167, October 2, 1889.
= *Sciurus nayaritensis* J. A. Allen. See Allen, Bull. Am. Mus. Nat. Hist. 2: vii, Additions and Corrections footnote. 1890.
HOLOTYPE: **1985/1254**. Skin and skull. Adult male.
LOCALITY: Mexico: Zacatecas; Sierra de Valparaiso. July 27, 1889.
COLLECTOR: A. C. Buller. Original number 39.
CONDITION: Skin complete. Skull partial (left basicranium and auditory bulla missing).

***Sciurus apache*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 5: 29, March 29, 1893.
= *Sciurus nayaritensis apache* Allen. See Lee and Hoffmeister, Proc. Biol. Soc. Washington 76: 188, 1963.
HOLOTYPE: **5370/4302**. Skin and skull. Adult.
LOCALITY: (Mexico): Northwest Chihuahua; Río de Bavispe. December 28, 1890.
COLLECTOR: F. Robinette (LE). Original number unknown.
CONDITION: Skin complete. Skull partial (left auditory bulla and left basioccipital missing).

***Sciurus arizonensis huachuca*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 6: 349, December 7, 1894.
HOLOTYPE: **9021/7316**. Skin and skull. Adult female.
LOCALITY: (United States): Arizona; (Cochise County), Huachuca Mountains. February 20, 1894.
COLLECTOR: W. W. Price. Original number 436.
CONDITION: Skin complete. Skull partial (coronoid processes missing).

***Sciurus saltuensis bondae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 12: 213, December 20, 1899.
= *Sciurus granatensis bondae* Allen. See Hershkovitz, Proc. U.S. Natl. Mus. 97: 13, 1947.
HOLOTYPE: **15234**. Skin and skull. Adult female.
LOCALITY: (Colombia: Magdalena; Bonda). July 4, 1899.
COLLECTOR: H. H. Smith (JSM). Original number 786.
CONDITION: Skin and skull complete.

***Sciurus saltuensis magdalenae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 33: 593, October 8, 1914.
= *Sciurus granatensis splendidus* Gray. See Hershkovitz, Proc. U.S. Natl. Mus. 97: 17, 1947.
HOLOTYPE: **34626**. Skin and skull. Adult male.
LOCALITY: Colombia: (Magdalena); Rio Magdalena, El Banco. January 24, 1913.
COLLECTOR: G. M. O'Connell. Original number 1.
CONDITION: Skin complete. Skull partial (dentaries, left braincase, and occiput missing).

***Sciurus gerrardi salaquensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 33: 592, October 8, 1914.
= *Sciurus granatensis morulus* Bangs. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(2): 366, August 25, 1961.
HOLOTYPE: **33078**. Skin and skull. Adult male.
LOCALITY: Northern Colombia: (Chocó); Rio Salaquí. July 1912.

COLLECTOR: Mrs. E. L. Kerr. Original number 20.
CONDITION: Skin complete. Skull intact, most teeth missing.

***Mesosciurus gerrardi baudensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 34: 308, May 17, 1915.
= *Sciurus granatensis morulus* Bangs. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(2): 366, August 25, 1961.
HOLOTYPE: **33180**. Skin and skull. Adult male.
LOCALITY: Colombia: (Chocó); Baudó (= Serranía de Baudó), 3500 ft (1067 m). July 16, 1912.
COLLECTOR: Mrs. E. L. Kerr. Original number 114.
CONDITION: Skin complete. Skull missing (see Goodwin, 1953: 373).

***Mesosciurus gerrardi valdiviae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 34: 309, May 17, 1915.
= *Sciurus granatensis valdiviae* (Allen). See Hershkovitz, Proc. U.S. Natl. Mus. 97: 35, 1947.
HOLOTYPE: **37674**. Skin and skull. Adult female.
LOCALITY: Colombia: (Antioquia); Puerto Valdivia. December 23, 1914.
COLLECTOR: H. S. Boyle. Original number 1557.
CONDITION: Skin complete, venter with bald spots. Skull partial (coronoid processes of mandible and left M3 missing).

***Sciurus milleri*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 31: 91, April 19, 1912.
= *Sciurus granatensis versicolor* Thomas. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(2): 370, August 25, 1961.
HOLOTYPE: **32511**. Skin and skull. Adult female.
LOCALITY: Colombia: Cauca; Cocal. June 12, 1911.
COLLECTOR: L. E. Miller. Original number 153.
CONDITION: Skin complete. Skull intact, many teeth missing.

***Guerlinguetus hoffmanni manavi*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 33: 589, October 8, 1914.
= *Sciurus granatensis manavi* (Allen). See Hershkovitz, Proc. U.S. Natl. Mus. 97: 36, 1947.
HOLOTYPE: **34286**. Skin and skull. Adult female.
LOCALITY: Ecuador: Manavi (= Manabí); Río de Oro, about 60 mi (96.5 km) from coast. January 22, 1913.
COLLECTOR: W. B. Richardson. Original number 124.
CONDITION: Skin complete. Skull partial (right alisphenoid and left PM4 missing).

***Guerlinguetus hoffmanni quindianus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 33: 587, October 8, 1914.
= *Sciurus granatensis quindianus* (Allen). See Hershkovitz, Proc. U.S. Natl. Mus. 97: 36, 1947.
HOLOTYPE: **32835**. Skin and skull. Adult male.
LOCALITY: Colombia: Cauca (= Valle del Cauca); Río Frío (= Ríofrío). November 27, 1911.
COLLECTOR: L. E. Miller. Original number 556.
CONDITION: Skin complete. Skull partial (dentaries and right M3 missing).

***Guerlinguetus griseimembra*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 33: 589, October 8, 1914.
= *Sciurus granatensis griseimembra* (Allen). See Hershkovitz, Proc. U.S. Natl. Mus. 97: 36, 1947.
HOLOTYPE: **34611**. Skin and skull. Adult female.
LOCALITY: Colombia: eastern Andes (= Meta); Buena Vista, above Villavincencio, 4500 ft (1372.5 m). March 8, 1913.
COLLECTOR: G. M. O'Connell and F. Chapman. Original number 31.
CONDITION: Skin complete, venter with bald spots. Skull complete.

***Guerlinguetus candelensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 33: 590, October 8, 1914.
= *Sciurus granatensis candelensis* (Allen). See

Hershkovitz, Proc. U.S. Natl. Mus. 97: 36, 1947.
HOLOTYPE: **33670**. Skin and skull. Adult female.
LOCALITY: Colombia: Huila; La Candela, 6500 ft (1982.5 m). May 11, 1912.
COLLECTOR: L. E. Miller. Original number 768.
CONDITION: Skin and skull complete.

***Sciurus chapmani*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 12: 16, March 4, 1899.
= *Sciurus granatensis chapmani* Allen. See Hershkovitz, Proc. U.S. Natl. Mus. 97: 37, 1947.
HOLOTYPE: **7322/5930**. Skin and skull. Adult male.
LOCALITY: (Trinidad and Tobago): Trinidad; Caparo. March 19, 1894.
COLLECTOR: F. M. Chapman. Original number 724.
CONDITION: Skin complete. Skull partial (mandible and posterior braincase missing).

***Sciurus (Guerlinguetus) aestuans quebradensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 12: 217, December 20, 1899.
= *Sciurus granatensis chapmani* Allen. See Hershkovitz, Proc. U.S. Natl. Mus. 97: 37, 1947.
HOLOTYPE: **14725**. Skin and skull. Adult female.
LOCALITY: Venezuela: (Sucre); Quebrada Seca (= Villarroel). December 2, 1898.
COLLECTOR: F. W. Urich. Original number 35.
CONDITION: Skin and skull complete.

***Guerlinguetus aestuans venustus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 34: 260, May 17, 1915.
= *Sciurus aestuans venustus* (Allen). See Ellerman, Families and genera of living rodents 1: 342, June 8, 1940.
HOLOTYPE: **36155**. Skin and skull. Adult female.
LOCALITY: (Venezuela): (Amazonas); Río Cunacunama, (south base of Mount Duida, 440 ft). March 19, 1913.
COLLECTOR: L. E. Miller. Original number 9.
CONDITION: Skin partial (half of tail missing). Skull broken (left PM4 and left side damaged).

***Sciurus (Guerlinguetus) caucensis*** Nelson
Bull. Am. Mus. Nat. Hist. 12: 79, April 14, 1899.
= *Sciurus pucheranii caucensis* Nelson. See Ellerman, Families and genera of living rodents 1: 343, June 8, 1940.
HOLOTYPE: **14208**. Skin and skull. Adult male.
LOCALITY: Colombia: (Valle del Cauca); Rio Lima (= Ríolima), 6000 ft (1830 m). August 10, 1898.
COLLECTOR: J. H. Batty (BPE). Original number 377.
CONDITION: Skin complete. Skull intact except for missing left PM and right m3.

***Guerlinguetus pucheranii salentensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 33: 587, October 8, 1914.
= *Sciurus pucheranii medellensis* (Gray). See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(2): 372, August 25, 1961.
HOLOTYPE: **32840**. Skin only (see Comment). Adult female.
LOCALITY: Colombia: Cauca (= Quindío); West Quindio Andes, above Salento, 9000 ft (2745 m). November 3, 1911.
COLLECTOR: L. E. Miller. Original number 458.
CONDITION: Skin complete.
COMMENT: Allen described AMNH 32840, a female, and based only on a skin, but attached the type label to a male, represented by skin and skull. Goodwin gratuitously, and inappropriately, added an unnumbered skull from the series to AMNH 32840.

***Sciurus duida*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 33: 594, October 8, 1914.
= *Sciurus igniventris* Wagner. See Hershkovitz, J. Mammal. 40: 346. August 1959.
HOLOTYPE: **36153**. Skin only. Adult female.
LOCALITY: Venezuela: (Amazonas); Rio Cunacunama, 700 (213.5 m). March 31, 1913.
COLLECTOR: L. E. Miller. Original number 14.

CONDITION: Skin complete.
COMMENT: Allen associated an unnumbered skull of *S. spadiceus* with the skin of AMNH 36153. Lawrence (1988) discussed the problem and explained why the type should be recognized only by the skin.

***Sciurus igniventris zamorae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 33: 594, October 8, 1914.
= *Sciurus igniventris cocalis* Thomas. See Patton, Stud. Neotrop. Fauna Environ. 19: 55, 1984.
HOLOTYPE: **36538**. Skin and skull. Adult male.
LOCALITY: Ecuador: (Zamora-Chinchipe); Zamora, 2000 ft (610 m). October 29, 1913.
COLLECTOR: W. B. Richardson. Original number 327.
CONDITION: Skin complete. Skull damaged (left auditory bulla and right dentary broken).

***Sciurus langsdorffi urucumus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 33: 395, October 8, 1914.
= *Sciurus spadiceus langsdorffi* (Brandt). See Hershkovitz, J. Mammal. 40: 348, August 1959.
HOLOTYPE: **37068**. Skin and skull. Adult male.
LOCALITY: Brazil: (Matto Grosso do Sul); Urucum, 400 ft (122 m). December 1, 1913.
COLLECTOR: L. E. Miller (RBE). Original number 111.
CONDITION: Skin and skull complete.

***Sciurus stramineus zarumae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 33: 597, October 8, 1914.
HOLOTYPE: **36537**. Skin and skull. Adult female.
LOCALITY: Ecuador: (El Oro); Zaruma, 6000 ft (1830 m). September 27, 1913.
COLLECTOR: W. B. Richardson. Original number 304.
CONDITION: Skin complete. Skull partial (zygomatic arches and right rostrum missing).

## Genus *MICROSCIURUS* Allen

***Sciurus (Microsciurus) alfari*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 7: 333, November 8, 1895.
= *Microsciurus alfari alfari* (Allen). See Miller, Bull. U.S. Natl. Mus. 79: 338, December 31, 1912.
HOLOTYPE: **11290/9554**. Skin and skull. Adult female.
LOCALITY: Costa Rica: Río Reventazón (Jiménez). January 24, 1894.
COLLECTOR: A. Alfaro and G. K. Cherrie. Original number 757.
CONDITION: Skin complete. Skull partial (right jugal missing).
COMMENT: Original Mus. Nac. Costa Rica label gives Río Reventazón as locality. AMNH catalog and Goodwin (1953) listed Jiménez as locality.

***Microsciurus septentrionalis*** Anthony
J. Mammal. 1: 81, February 2, 1920.
= *Microsciurus alfari septentrionalis* Anthony. See Goodwin, Bull. Am. Mus. Nat. Hist. 87: 367, December 31, 1946.
HOLOTYPE: **41235**. Skin and skull. Adult female.
LOCALITY: (Nicaragua): Sábalos (at junction of Río San Juan and Río Sábalos). May 12, 1917.
COLLECTOR: W. B. Richardson. Original number 10.
CONDITION: Skin complete. Skull intact except for missing PMs, right M1 and M2.

***Microsciurus alfari alticola*** Goodwin
Am. Mus. Novitates 1218: 2, February 11, 1943.
HOLOTYPE: **140388**. Skin and skull. Adult male.
LOCALITY: Costa Rica: (Alajuela); Lajas, V(illa Q(uesada), 5000 ft (1525 m). January 5, 1942.
COLLECTOR: C. F. Underwood. Original number 4091.
CONDITION: Skin and skull complete.

***Sciurus (Microsciurus) similis*** Nelson
Bull. Am. Mus. Nat. Hist. 12: 78, April 14, 1899.
= *Microsciurus flaviventer similis* (Nelson). See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(2): 357, August 25, 1961.
HOLOTYPE: **14210**. Skin only. Adult male.
LOCALITY: Colombia: (Valle del Cauca); (near Cali, 6000 ft (1830 m). November 8, 1898.

COLLECTOR: J. H. Batty (JPE). Original number 556.
CONDITION: Skin complete.
COMMENT: Goodwin (1953) listed the skull as missing. Original catalog entry indicated skull was lost in the field.

***Microsciurus florenciae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 33: 164, February 26, 1914.
= *Microsciurus flaviventer napi* Thomas. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(2): 356, August 25, 1961.
HOLOTYPE: **33695/34370**. Skin and skull. Adult male.
LOCALITY: Colombia: Caquetá; Florencia, 675 ft (205.8 m). June 27, 1912 (not January, as stated in the type description).
COLLECTOR: L. E. Miller. Original number 840.
CONDITION: Skin complete but small tear on left shoulder. Skull intact except for missing right M3, m2, and m3, and left PM1, pm1, and m3.

***Sciurus (Microsciurus) peruanus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 9: 115, April 26, 1897,
= *Microsciurus flaviventer peruanus* (Allen). See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(2): 357, August 25, 1961.
HOLOTYPE: **11816/10108**. Skin and skull. Adult female.
LOCALITY: Peru: (Amazonas); Guayabamba (= Santa Rosa de Huayabamba), 4000 ft (1220 m). September 8, 1894.
COLLECTOR: O. T. Baron. Original number unknown.
CONDITION: Skin and skull complete.

***Microsciurus sabanillae*** Anthony
Am. Mus. Novitates 32: 2, March 4, 1922.
= *Microsciurus flaviventer sabinillae* Anthony. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(2): 357, August 25, 1961.
HOLOTYPE: **60464**. Skin and skull. Adult female.
LOCALITY: Ecuador: (Zamora-Chinchipe); Sabanilla, 5700 ft (1738.5 m). November 18, 1920.
COLLECTOR: H. E. Anthony. Original number 2292.
CONDITION: Skin and skull complete.

## Genus *SYNTHEOSCIURUS* Bangs

***Sciurus poasensis*** Goodwin
Am. Mus. Novitates 1218: 1, February 11, 1943.
= *Syntheosciurus brochus poasensis* (Goodwin). See Hall, Mammals of North America 1: 439, April 3, 1981.
HOLOTYPE: **131723**. Skin and skull. Adult male.
LOCALITY: Costa Rica: (Aljuela); Volcán Poás, 6700 ft (2043.5 m). May 26, 1938.
COLLECTOR: C. F. Underwood. Original number 3143.
CONDITION: Skin and skull complete.

## Genus *TAMIASCIURUS* Trouessart

***Sciurus hudsonicus minnesota*** J. A. Allen
Am. Nat. 33: 640, August 1899.
= *Tamiasciurus hudsonicus minnesota* (Allen). See Ellerman, The families and genera of living rodents 1: 346, June 8, 1940.
HOLOTYPE: **4374/3400**. Skin, skull, left humerus. Adult female.
LOCALITY: (United States): Minnesota; (Hennepin County), Fort Snelling. April 4, 1890.
COLLECTOR: E. A. Mearns. Original number 826.
CONDITION: Skin and skull complete.

***Sciurus hudsonicus dakotensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 6: 325, November 7, 1894.
= *Tamiasciurus hudsonicus dakotensis* (Allen). See Ellerman, The families and genera of living rodents 1: 346, June 8, 1940.
HOLOTYPE: **9178/7486**. Skin and skull. Adult male.
LOCALITY: (United States): S(outh) D(akota); Custer County, Squaw Creek. July 21, 1894.
COLLECTOR: W. W. Granger. Original number 141.
CONDITION: Skin and skull complete.

***Sciurus hudsonicus streatori*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 10: 267, July 22, 1898.

= *Tamiasciurus hudsonicus streatori* (Allen). See A. H. Howell, Proc. Biol. Soc. Washington 49: 135, August 22, 1936.
HOLOTYPE: **2054/1469**. Skin and skull. Adult male.
LOCALITY: (Canada): B(ritish) C(olumbia); Ducks. August 3, 1889.
COLLECTOR: C. P. Streator. Original number unknown.
CONDITION: Skin complete. Skull damaged (right auditory bulla).
COMMENT: Allen's type description lists only a skin. The cranial measurements given are from specimens obtained at localities other than Ducks, British Columbia. In the 1890s, there were separate catalogs for skins and for bones. The bone ledger gives AMNH 1469 (Original number 10) collected August 3, 1889, by Streator at Ducks, British Columbia, as the skull of AMNH 2054. The skin catalog does not list a skull or an original number.

***Sciurus hudsonicus vancouverensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 3: 165, November 14, 1890.
= *Tamiasciurus hudsonicus lanuginosus* (Bachman). See McCabe and Cowan, Trans. R. Can. Inst. 1945: 164.
HOLOTYPE: **2059/1449**. Skin and skull. Adult female.
LOCALITY: (Canada): B(ritish) C(olumbia); Vancouver Island, Duncan's Station. October 2, 1889.
COLLECTOR: C. P. Streator. Original number 2.
CONDITION: Skin and skull complete.

***Tamiasciurus hudsonicus columbiensis*** A. H. Howell
Proc. Biol. Soc. Washington 49: 135, August 22, 1936.
HOLOTYPE: **19891**. Skin and skull. Adult male.
LOCALITY: (Canada): British Columbia; Raspberry Creek, (30 miles (48.2 km) SE Telegraph Creek). October 8, 1902.
COLLECTOR: M. P. Anderson. Original number 858.
CONDITION: Skin complete. Skull intact except for missing left M3.

***Sciurus hudsonius*** [sic] ***mogollonensis*** Mearns
Bull. Am. Mus. Nat. Hist. 2: 277, February 1890.
= *Tamiasciurus hudsonicus mogollonensis* (Mearns). See Kelson, Univ. Utah Biol. Ser. 11(3): 17, February 15, 1951.
LECTOTYPE: **2300**. Skin only. Adult male.
LOCALITY: (United States): Arizona; (Yavapai County,) Quaking Asp Settlement, Mogollon Mountains. May 25, 1887.
COLLECTOR: E. A. Mearns. Original number 543.
CONDITION: Skin complete.
COMMENT: Mearns' original description listed a male (skin only) and a female (skin and skull) as types. Goodwin (1953: 280) designated the skin only as type and the skin and the skull (AMNH 2296) as paratype.

***Sciurus hudsonicus grahamensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 6: 350, December 7, 1894.
= *Tamiasciurus hudsonicus grahamensis* (Allen). See Kelson, Univ. Utah Biol. Ser. 11(3): 17, February 15, 1951.
HOLOTYPE: **9013/7308**. Skin and skull. Adult female.
LOCALITY: (United States): Arizona; (Graham County), Graham Mountains. July 18, 1894.
COLLECTOR: Price and Condit. Original number 1166.
CONDITION: Skin complete. Skull damaged.

***Sciurus hudsonius*** [sic] ***californicus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 3: 165, November 14, 1890. (Name preoccupied by *Sciurus (Macroxus) californicus* Lesson.)

***Sciurus douglasii albolimbatus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 10: 435, November 10, 1898. (New name for *S. h. californicus* Allen.)
= *Tamiasciurus douglasii albolimbatus* (Allen). See Ellerman, The families and genera of living rodents, 1: 347, June 8, 1940.
HOLOTYPE: **2551**. Skin only. Adult female.
LOCALITY: (United States): California; (Placer County), Blue Canyon. October 13, 1886.
COLLECTOR: C. A. Allen. Original number 32.
CONDITION: Skin complete, with bald spots.

Genus ***RATUFA*** Gray

***Ratufa gigantea hainana*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 22: 472, December 17, 1906.
= *Ratufa bicolor hainana* Allen. See Moore and Tate, Fieldiana Zool. 48: 63, May 28, 1965.
HOLOTYPE: **26638**. Skin and skull. Adult male.
LOCALITY: China: Hainan; Cheteriang. See Comment.
COLLECTOR: Agents of A. Owston. Original number 15.
CONDITION: Skin and skull complete.
COMMENT: No collection date on specimen tag or in catalog. Other specimens from the same collection with this locality are dated 1904. Pinyin name could not be determined.

Genus ***FUNISCIURUS*** Trouessart

***Funisciurus anerythrus niapu*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 47: 52, October 27, 1922.
HOLOTYPE: **50877**. Skin and skull. Adult male.
LOCALITY: (Zaire): (Haut Zaire); Niapu. November 9, 1913.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 2120.
CONDITION: Skin complete. Skull intact except for missing right PM3.

Genus ***HELIOSCIURUS*** Trouessart

***Heliosciurus rufobrachium medjianus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 47: 48, October 27, 1922.
HOLOTYPE: **50761**. Skin and skull. Adult female.
LOCALITY: (Zaire): (Haut Zaire); Medje. January 17, 1910.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 487.
CONDITION: Skin and skull complete.

***Heliosciurus rufobrachium rubricatus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 47: 50, October 27, 1922.
HOLOTYPE: **50748**. Skin and skull. Adult male.
LOCALITY: Congo (= Zaire): (Haut Zaire); Lubila (river), about 50 mi (80 km) SW Avakubi. September 20, 1909.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 123.
CONDITION: Skin and skull complete.

Genus ***CALLOSCIURUS*** Gray

***Sciurus erythraeus insularis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 22: 473, December 17, 1906.
= *Callosciurus erythraeus insularis* (Allen). See Corbet and Hill, The mammals of the Indomalayan region, p. 283, 1992.
HOLOTYPE: **26609**. Skin and skull. Adult female.
LOCALITY: China: Hainan; Lei-mui-Mon. January 5, 1903.
COLLECTOR: Agents of Alan Owston. Original number 2.
CONDITION: Skin complete, with ventral balding. Skull partial (ventral braincase missing).
COMMENT: Locality on Hainan not given on original label. Designation in the catalog is "Lei-mui-Mon probably."

***Callosciurus sladeni vernayi*** Carter
Am. Mus. Novitates 1208: 1, November 12, 1942.
= *Callosciurus erythraeus sladeni* (Anderson). See Moore and Tate, Fieldiana Zool. 48: 113, May 28, 1965.
HOLOTYPE: **113252**. Skin and skull. Adult female.
LOCALITY: Northern Burma: Kachin; Tapa Hka (26°09'N, 96°16'E), 700 ft (213.5 m). February 2, 1935.
COLLECTOR: H. C. Raven (VHC). Original number 186.
CONDITION: Skin and skull complete.

***Sciurus beebei*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 30: 338, December 21, 1911.
= *Callosciurus quinquestriatus* (Anderson). See Corbet and Hill, The mammals of the Indomalayan region, p. 286, 1992.
HOLOTYPE: **32624**. Skin only. Adult male.
LOCALITY: Burma-Yunnan frontier: Sansi Gorge. December 7, 1910.
COLLECTOR: C. W. Beebe. Original number 587.
CONDITION: Skin complete.

COMMENT: Erroneously labeled as female from Sarawak (see Goodwin, 1953).

***Callosciurus griseimanus heinrichi*** Tate
Am. Mus. Novitates 1676: 1, June 28, 1954.
= *Callosciurus phayrei* (Blyth). See Moore and Tate, Fieldiana Zool. 48: 201, May 28, 1965.
HOLOTYPE: **163466**. Skin and skull. Adult female.
LOCALITY: Burma: (Mandalay); Maymyo (800 m). December 6, 1937.
COLLECTOR: G. Heinrich. Original number 431.
CONDITION: Skin and skull complete.

Genus ***TAMIOPS*** Allen

***Tamiops macclellandi collinus*** Moore
Am. Mus. Novitates 1879: 1, February 28, 1959.
HOLOTYPE: **163528**. Skin and skull. Adult male.
LOCALITY: Burma: (Mandalay); Maymyo (800 m). November 28, 1937.
COLLECTOR: G. Heinrich. Original number 417.
CONDITION: Skin and skull complete.

***Tamiops sauteri*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 30: 339, December 21, 1911.
= *Tamiops maritimus maritimus* (Bonhote). See Moore and Tate, Fieldiana Zool. 48: 252, May 28, 1965.
HOLOTYPE: **31621**. Skin only. Adult male.
LOCALITY: Formosa (North Korea): Chipchip. November 1908.
COLLECTOR: H. Sauter. Original number 26424.
CONDITION: Skin partial (most of tail missing).

***Tamiops macclellandi hainanus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 22: 476, December 17, 1906.
= *Tamiops maritimus hainanus* J. A. Allen. See Moore and Tate, Fieldiana Zool. 48: 255, May 28, 1965.
HOLOTYPE: **26664**. Skin and skull. Adult female.
LOCALITY: China: Hainan; Lei-Mui-Mon (Limu Ling mountains). December 31, 1902.
COLLECTOR: Agents of A. Owston. Original number 1.
CONDITION: Skin complete. Skull partial (occiput and basiocciput missing).

***Tamiops macclellandi riudoni*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 22: 477, Deember 17, 1906.
= *Tamiops maritimus hainanus* J. A. Allen. See Moore and Tate, Fieldiana Zool. 48: 255, May 28, 1965.
HOLOTYPE: **26672**. Skin and skull. Adult male.
LOCALITY: China: Hainan; Ruidon, E of Lei-mui-mon (= ? Limu Ling), foothills of central range. March 5, 1903.
COLLECTOR: Agents of A. Owston. Original number 1.
CONDITION: Skin complete. Skull partial (zygomatic arches, occiput, amd basiocciput missing).

Genus ***PROSCIURILLUS*** Moore

***Prosciurillus abstrusus*** Moore
Am. Mus. Novitates 1890: 3, March 21, 1958.
HOLOTYPE: **101378**. Skin and skull. Adult female.
LOCALITY: (Indonesia): Southeastern Celebes (Sulawesi); Mengkoka Mountains (Pegunungan Mekongga), Tanke Salokko. January 4, 1932.
COLLECTOR: G. Heinrich. Original number 711.
CONDITION: Skin complete, with bald spots. Skull complete.

Genus ***HYOSCIURUS*** Tate

***Hyosciurus heinrichi*** Tate
Am. Mus. Novitates 801: 2, May 17, 1935.
HOLOTYPE: **101310**. Skin and skull. Adult male.
LOCALITY: (Indonesia): Southeastern Celebes (Sulawesi); Latimadjong Mountains (Pegunungan Latimojong), 2300 m. July 19, 1930.
COLLECTOR: G. Heinrich. Original number 46.
CONDITION: Skin and skull complete.

***Hyosciurus heinrichi ileile*** Tate and Archbold
Am. Mus. Novitates 846: 1, April 29, 1936.
= *Hyosciurus ileile* Tate and Archbold. See Musser, p. 78 *in* T. C. Whitmore (ed.), Biogeographical Evolution of the Malay Archipelago, Oxford Univ. Press, 1987.

HOLOTYPE: **101308**. Skin and skull. Female.
LOCALITY: (Indonesia): Northern Celebes (Sulawesi); Ile-Ile, 1700 m. November 21, 1930.
COLLECTOR: G. Heinrich. Original number 130.
CONDITION: Skin complete. Skull partial (right auditory bulla and alisphenoid missing).

Genus ***DREMOMYS*** Heude

***Dremomys lokriah pagus*** Moore
Am. Mus. Novitates 1816: 1, December 28, 1956.
HOLOTYPE: **163479**. Skin and skull. Adult male.
LOCALITY: Burma: (Chin); Mount Victoria, Pakokku Chin Hills, 1400 m. March 23, 1938.
COLLECTOR: G. Heinrich. Original number 612.
CONDITION: Skin and skull complete.

***Funambulus riudonensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 22: 472, December 17, 1906.
= *Dremomys pyrrhomerus pyrrhomerus* (Thomas). See Corbet and Hill, The mammals of the Indomalayan region, p. 299, 1992.
HOLOTYPE: **26651**. Skin and skull. Adult female.
LOCALITY: China: Hainan; Riudon. March 11, 1903.
COLLECTOR: Agents of A. Owston. Original number 10.
CONDITION: Skin complete. Skull partial (occiput, left mandible, and left jugal missing).

Genus ***SCIUROTAMIAS*** Miller

***Sciurotamias owstoni*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 26: 428, October 21, 1909.
= *Sciurotamias davidianus consobrinus* (Milne-Edwards). See Moore and Tate, Fieldiana Zool. 48: 308, May 28, 1965.
HOLOTYPE: **27545**. Skin and skull. Adult female.
LOCALITY: China: Shensi (= Shaanxi); Tai-pa-shiang (= Taibai Shan). October 8, 1905.
COLLECTOR: Agents of A. Owston. Original number unknown.
CONDITION: Skin complete. Skull partial (posterior braincase missing).

Genus ***MARMOTA*** Frisch

***Marmota engelhardti*** J. A. Allen
Mus. Brooklyn Inst. Arts Sci. Bull. 1: 120, March 31, 1905.
= *Marmota flaviventris engelhardti* Allen. See Howell, N. Am. Fauna 37: 45, April 7, 1915.
HOLOTYPE: **28739**. Skin and skull. Young adult.
LOCALITY: United States: Utah; Beaver County, Beaver Range (Tushar Mountains), Briggs (= Britts) Meadows, 10,000 ft (3050 m). August 20, 1904.
COLLECTOR: G. P. Engelhardt. Original number 439. (Type description erroneously states 446.)
CONDITION: Skin complete. Skull damaged (holes in right parietal and left orbit).

Genus ***CYNOMYS*** Rafinesque

***Cynomys parvidens*** J. A. Allen
Mus. Brooklyn Inst. Arts Sci. Bull. 1: 119, March 31, 1905.
HOLOTYPE: **28738**. Skin and skull. Adult.
LOCALITY: (United States): Utah; Iron County, Buckskin Valley. August 25, 1904.
COLLECTOR: G. P. Engelhardt. Original number 437.
CONDITION: Skin complete, with bald spots. Skull damaged (hole in left parietal).

***Cynomys arizonensis*** Mearns
Bull. Am. Mus. Nat. Hist. 2: 305, February 21, 1890.
= *Cynomys ludovicianus arizonensis* Mearns. See Merriam, Proc. Biol. Soc. Washington 7: 158, July 27, 1892.
LECTOTYPE: **2509**. Skin only. Adult female.
LOCALITY: (United States): Arizona Territory (= Arizona); (Cochise County), Point of Mountain near Wilcox. April 9, 1885.
COLLECTOR: E. A. Mearns. Original number 183.
CONDITION: Skin complete, with bald spots.
COMMENT: In the original description,

Mearns designated two specimens as "types" of this name. Goodwin (1953: 284) listed the female skin (AMNH 2509) as the type, which makes it a lectotype, and the male skin and skull (AMNH 2185/1775) as a paratype.

Genus ***SPERMOPHILUS*** F. Cuvier

***Citellus pygmaeus kazakstanicus*** Goodwin
Am. Mus. Novitates 769: 5, January 24, 1935.
= *Spermophilus pygmaeus* (Pallas). See Hoffmann, Anderson, Thorington, and Heaney, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 448, 1993.
HOLOTYPE: **85310**. Skin and skull. Adult male.
LOCALITY: Kazakstan; Tuz Bulak, 150 mi (241 km) N Kizil Orda (= Kzyl Orda), 600 ft (183 m). October 17, 1929.
COLLECTOR: G. G. Goodwin (MG). Original number 23.
CONDITION: Skin complete. Skull partial (parietal missing).

***Citellus columbianus albertae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 19: 537, October 10, 1903.
= *Spermophilus columbianus columbianus* (Ord). See Howell, N. Am. Fauna 56: 85, October 10, 1938.
HOLOTYPE: **15539**. Skin and skull. Adult male.
LOCALITY: Canada: Alberta; (Baniff) Canadian National Park. August 16, 1899.
COLLECTOR: G. F. Dippie. Original number 259.
CONDITION: Skin and skull complete.

***Citellus buxtoni*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 19: 139, March 31, 1903.
= *Spermophilus parryi leucostictus* Brandt. See Ellerman and Morrison-Scott, Checklist of Palearctic and Indian mammals, p. 511, November 19, 1951.
HOLOTYPE: **18403**. Skin and skull. Adult male.
LOCALITY: (Russian Federation): Northeast Siberia (Magadan); Gichiga (= Gizhiga). August 19, 1901.
COLLECTOR: N. G. Buxton (JNP). Original number 1022.
CONDITION: Skin complete. Skull damaged (left alisphenoid, zygomatic arches, and mandible.

***Citellus stonei*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 19: 537, October 10, 1903.
= *Spermophilus parryi ablusus* Osgood. See Howell, N. Am. Fauna 56: 98, April 1938.
HOLOTYPE: **20775**. Skin and skull. Adult male.
LOCALITY: (United States): Alaska; near Port Muller, Alaskan Peninsula. June 1902. See Allen, Bull. Am. Mus. Nat. Hist. 19: xvii, for correction of locality in the type description.
COLLECTOR: A. J. Stone. Original number unknown.
CONDITION: Skin and skull complete.

***Spermophilus tridecemlineatus olivaceus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 7: 337, November 8, 1895.
= *Spermophilus tridecemlineatus pallidus* Allen. See Howell, N. Am. Fauna 56: 112, April 1938.
HOLOTYPE: **9271/7586**. Skin and skull. Adult female.
LOCALITY: (United States): South Dakota; (Custer County), Custer. July 25, 1894.
COLLECTOR: W. W. Granger. Original number 182.
CONDITION: Skin and skull complete.

***Spermophilus tridecemlineatus parvus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 7: 337, November 8, 1895.
HOLOTYPE: **10838/9135**. Skin and skull. Adult male.
LOCALITY: (United States): Utah; Uncompahgre Indian Reservation (= Uintah-Ouray Indian Reservation). May 2, 1895.
COLLECTOR: W. W. Granger. Original number 537.
CONDITION: Skin complete. Skull partial (right side of zygomatic arch and braincase missing).

***Citellus (Otospermophilus) grammerus rupestris*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 19: 595, November 12, 1903.

= *Spermophilus variegatus rupestris* (Allen). See Howell, N. Am. Fauna 56: 138, April 1938.
HOLOTYPE: **21231**. Skin and skull. Adult female.
LOCALITY: Mexico: Durango; Río Sestin (= Rio del Oro). April 12, 1903.
COLLECTOR: J. H. Batty. Original number 419.
CONDITION: Skin and skull complete.

***Tamias wortmani*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 7: 335, November 8, 1895.
= *Spermophilus lateralis wortmani* (Allen). See Cary, N. Am. Fauna 33: 84, August 17, 1911.
HOLOTYPE: **11057/9352**. Skin and skull. Adult male.
LOCALITY: (United States): Wyoming; (Sweetwater County), Bitter Creek, (Kinney Ranch). July 13, 1895.
COLLECTOR: W. W. Granger. Original number 716.
CONDITION: Skin and skull complete.

Genus ***AMMOSPERMOPHILUS*** Merriam

***Tamias leucurus peninsulae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 5: 197, August 18, 1893.
= *Ammospermophilus leucurus peninsulae* (Allen). See Mearns, Bull. U.S. Natl. Mus. 56: 299, April 13, 1907.
HOLOTYPE: **6314/4948**. Skin and skull. Adult male.
LOCALITY: (Mexico): Lower California (= Baja California); San Telmo. April 30, 1893.
COLLECTOR: A. W. Anthony. Original number 8.
CONDITION: Skin and skull complete.

Genus ***TAMIAS*** Illiger

***Tamias striatus griseus*** Mearns
Bull. Am. Mus. Nat. Hist. 3: 231, June 5, 1891.
HOLOTYPE: **2196/2862**. Skin and skull. Adult female.
LOCALITY: (United States): Minnesota; (Hennepin County), Fort Snelling. April 2, 1889.
COLLECTOR: E. A. Mearns. Original number 791.
CONDITION: Skin and skull complete.

***Eutamias lectus*** J. A. Allen
Mus. Brooklyn Inst. Arts Sci. Bull. 1: 117, 1905.
= *Tamias minimus consobrinus* (Allen). See Howell, J. Mammal. 3: 183, August 1922.
HOLOTYPE: **28727**. Skin and skull. Adult.
LOCALITY: (United States): Utah; Beaver County, Beaver Valley. July 25, 1904.
COLLECTOR: G. P. Engelhardt. Original number 385.
CONDITION: Skin missing (September 6, 1991). Skull complete.

***Tamias quadrivittatus affinis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 3: 103, June 1890.
= *Tamias amoenus affinis* Allen. See Howell, J. Mammal. 3: 184, August 1922.
HOLOTYPE: **2019/1500**. Skin and skull. Adult female.
LOCALITY: (Canada): British Columbia; Ashcroft. July 3, 1889.
COLLECTOR: C. P. Streator.
CONDITION: Skin and skull complete.
COMMENT: Date in type description is incorrect. The information provided here is from the collector's label.

***Eutamias amoenus propinquus*** Anthony
Bull. Am. Mus. Nat. Hist. 32: 6, March 7, 1913.
= *Tamias amoenus amoenus* (Allen). See Howell, J. Mammal. 3: 184, August 1922.
HOLOTYPE: **33392**. Skin and skull. Adult female.
LOCALITY: (United States): Oregon; Malheur County, Ironside, 4600 ft (1403 m). September 10, 1912.
COLLECTOR: H. E. Anthony. Original number 274.
CONDITION: Skin and skull complete.

***Tamias frater*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 3: 88, June 1890.
= *Tamias speciosus frater* Allen. See Merriam, Proc. Biol. Soc. Washington 11: 194, July 1, 1897.
HOLOTYPE: **1308/571**. Skin and skull. Adult female.
LOCALITY: (United States): California; (Placer County), Donner. June 7, 1888.

COLLECTOR: C. A. Allen. Original number 252.
CONDITION: Skin complete. Skull partial (right zygomatic arch and posterior mandible missing).

***Eutamias adsitus*** J. A. Allen
Mus. Brooklyn Inst. Arts Sci., Sci. Bull. 1: 118, March 31, 1905.
= *Tamias umbrinus adsitus* (Allen). See White, Univ. Kansas Publ. Mus. Nat. Hist. 5: 572, December 1, 1953.
HOLOTYPE: **28728**. Skin and skull. Adult.
LOCALITY: (United States); Utah; (Beaver County), Beaver Mountains (Tushar Mountains), Briggs (Britts) Meadows, 10,000 ft (3050 m). August 20, 1904.
COLLECTOR: G. P. Engelhardt. Brooklyn Inst. no. 452.
CONDITION: Skin complete. Skull partial (right orbitosphenoid and left jugal missing).
COMMENT: This unsexed adult specimen, and all of the other material described in Allen's 1905 publication on Beaver County mammals, was received in March 1905 and cataloged on October 1, 1908. Allen's description was published March 31, 1905, and included a quote from the collector that he had taken only one animal at this location and time although he had observed six. Goodwin (1953: 286) suggested that AMNH 147870, an adult female, might be the type specimen as its Brooklyn Institute label bears the number "391 [452]," the word type, and a reference to Allen's publication of 1905. AMNH 147870 was not cataloged until June 14, 1951, and there is no indication when it was received. According to the International code, the word "type" on a label is not an indication that a specimen is a type.

***Tamias asiaticus bulleri*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 2: 173, October 21, 1889.
= *Tamias bulleri bulleri* Allen. See Miller and Rehn, Proc. Boston Soc. Nat. Hist. 30: 40, December 27, 1901.
LECTOTYPE: **1972/1241**. Skin and skull. Adult female.
LOCALITY: Mexico: (Zacatecas); Sierra de Valparaíso. August 2, 1889.
COLLECTOR: A. C. Buller. Original number 53.
CONDITION: Skin and skull complete.
COMMENT: Two cotypes (AMNH 1972/1241 and 1973/1242) were originally designated by Allen and subsequently listed by Goodwin (1953). Callahan (1980) has shown that *bulleri* is monotypic and the only species of chipmunk known to occur at the type locality. There is no need to retain cotypes (= syntypes) and AMNH 1972\1241 is here designated lectotype.

***Eutamias durangae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 19: 594, November 12, 1903.
= *Tamias durangae* (Allen). See Honacki et al. (eds.), Mammal Species of the World, a taxonomic and geographic reference, p. 374, 1982.
HOLOTYPE: **21410**. Skin and skull. Adult female.
LOCALITY: Mexico: (Durango); (Sierra Candella), Arroyo de Bucy, 7500 ft (2287.5 m). May 29, 1903.
COLLECTOR: J. H. Batty. Original number 604.
COLLECTOR: Skin and skull complete.
COMMENT: Howell (1922: 184) arranged *durangae* as a subspecies of *Eutamias bulleri*, Callahan (1980) considered it *incertae sedis*, and Hoffmann et al. (1993: 454) listed it as a separate species.

***Tamias asiaticus merriami*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 2: 176, October 21, 1889.
= *Tamias merriami merriami* Allen. See Merriam, Proc. Biol. Soc. Washington 11: 194, July 1, 1897.
HOLOTYPE: **1157/728**. Skin and skull. Adult female.
LOCALITY: (United States): California; San Bernardino Mountains, 4500 ft (1372.5 m). June 13, 1887.
COLLECTOR: F. Stephens. Original number 482.
CONDITION: Skin and skull complete.

***Tamias pricei*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 7: 333, November 8, 1895.
= *Tamias merriami pricei* Allen. See A. H. Howell, J. Mammal. 3: 185, August 1922.

HOLOTYPE: **11288/9552**. Skin and skull. Adult male.
LOCALITY: (United States): California; (San Mateo County), Portola. April 12, 1895.
COLLECTOR: J. Diefenbach. Original number 511.
CONDITION: Skin missing (Sept. 11, 1991). Skull complete.

***Eutamias canescens*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 208, May 28, 1904.
= *Tamias dorsalis dorsalis* (Baird). See A. H. Howell, J. Mammal. 3: 185, August 1922.
HOLOTYPE: **23852**. Skin and skull. Adult female.
LOCALITY: (Mexico): Durango; Guanaveci, 8000 ft (2440 m). October 9, 1903.
COLLECTOR: J. H. Batty. Original number 944.
CONDITION: Skin and skull complete.

***Eutamias albogularis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 26: 429, October 21, 1909.
= *Tamias sibiricus albogularis* (Allen). See Corbet, The mammals of the Palaearctic region: a taxonomic review, p. 85, 1978.
HOLOTYPE: **27565**. Skin and skull. Adult male.
LOCALITY: China: Shensi (= Shaanxi); Taipa Shiang (= Taibai Shan). July 13, 1905.
COLLECTOR: Agent of A. Owston. Original number unknown.
CONDITION: Skin complete. Skull partial (right zygomatic arch and ventral braincase missing).

## Subfamily **PTEROMYINAE** Brandt
## Genus ***PETAURISTA*** Link

***Petaurista petaurista rufipes*** G. M. Allen
Am. Mus. Novitates 163: 13, April 2, 1925.
= *Petaurista philippensis* (Elliot). See Corbet and Hill, The mammals of the Indomalayan region, p. 310, 1992.
HOLOTYPE: **57372**. Skin and skull. Adult male.
LOCALITY: China: Fukien (= Fujian); Yungan (= Yong'an). September 26, 1921.
COLLECTOR: H. R. Caldwell. Original number 337.
CONDITION: Skin complete. Skull partial (part of frontals and parietals missing).
COMMENT: Listed with a question in the synonymy of *P. philippensis* by Corbet and Hill (1992).

***Petaurista hainana*** G. M. Allen
Am. Mus. Novitates 163: 14, April 2, 1925.
= *Petaurista philippensis* (Elliot). See Corbet and Hill, The mammals of the Indomalayan region, p. 310, 1992.
HOLOTYPE: **58200**. Skin and skull. Adult female.
LOCALITY: (China): Hainan; Nam Fong (= Nanfeng). February 19, 1923.
COLLECTOR: C. Pope (CAE). Original number 754.
CONDITION: Skin complete. Skull intact except for missing PM3s.

***Petaurista cineraceus stockleyi*** Carter
Am. Mus. Novitates 674: 1, November 6, 1933.
= *Petaurista philippensis stockleyi* Carter. See Corbet and Hill, The mammals of the Indomalayan region, p. 311, 1992.
HOLOTYPE: **55836**. Skin only. Adult male.
LOCALITY: Northwestern Siam (Thailand): Melamoung, 2000 (610 m). March 11, 1933.
COLLECTOR: C. H. Stockley, obtained from native. Original number unknown.
CONDITION: Skin complete.

## Genus ***HYLOPETES*** Thomas

***Pteromys (Petinomys) electilis*** G. M. Allen
Am. Mus. Novitates 163: 16, April 2, 1925.
= *Hylopetes phayrei electilis* (Allen). See Corbet and Hill, The mammals of the Indomalayan region, p. 317, 1992.
HOLOTYPE: **58177**. Skin and skull. Adult female.
LOCALITY: (China): Hainan; Nam Fong (= Nanfeng). April 1923.
COLLECTOR: C. Pope. Original number 857.
CONDITION: Skin and skull complete.

## Genus ***PETINOMYS*** Thomas

***Pteromys (Olisthomys) morrisi*** Carter
Am. Mus. Novitates 1208: 2, November 12, 1942.
= *Petinomys setosus morrisi* (Carter). See Muul and Thonglongya, J. Mammal. 52: 366, 1971.

HOLOTYPE: **113031**. Skin and skull. Adult female.
LOCALITY: Northern Burma: Dalu, 600 ft (183 m). February 15, 1935.
COLLECTOR: H. C. Raven (VHC). Original number 242.
CONDITION: Skin complete. Skull damaged (right braincase in pieces).
COMMENT: McKenna (1962: 5) effectively elevated the subgenus *Olisthomys* proposed by Carter to generic rank. Muul and Thonglongya (1971), however, and apparently oblivious of McKenna's report, treated *morrisi* as a subspecies of *Petinomys setosus*, an arrangement followed by Corbet and Hill (1992: 318).

Genus ***GLAUCOMYS*** Thomas

***Glaucomys volans chontali*** Goodwin
Am. Mus. Novitates 2059: 3, November 29, 1961.
HOLOTYPE: **185014**. Skin, skull, and postcranial skeleton. Adult male.
LOCALITY: Mexico: Oaxaca; Santo Domingo Chontecomatlán, 7000 ft (2135 m). January 21, 1960.
COLLECTOR: T. MacDougall. Original number 2149.
CONDITION: Skin complete. Skull damaged (left mastoid repaired). Skeleton incomplete.

***Glaucomys volans oaxacensis*** Goodwin
Am. Mus. Novitates 2059: 11, November 29, 1961.
HOLOTYPE: **178733**. Skin, skull, and postcranial skeleton. Adult male.
LOCALITY: (Mexico: Oaxaca); Tehuantepec, San Pedro Jilotepec (= Huilotepec), 5000 ft (1525 m). November 4, 1957.
COLLECTOR: T. MacDougall. Original number 1991.
CONDITION: Skin and skull complete. Skeleton incomplete.

***Glaucomys volans underwoodi*** Goodwin
Am. Mus. Novitates 898: 1, December 31, 1936.
HOLOTYPE: **123372**. Skin and skull. Adult male.
LOCALITY: Honduras: Zambrano, halfway between Tegucigalpa and Comayagua, 4500 ft (1372.5 m). March 21, 1935.
COLLECTOR: C. F. Underwood. Original number 1252.
CONDITION: Skin complete. Skull partial (lower and left braincase missing).

Family **CASTORIDAE** Hemprich
Genus ***CASTOR*** Linnaeus

***Castor canadensis carolinensis*** Rhoads
Trans. Am. Philos. Soc., n.ser., 19: 420, September 1898.
HOLOTYPE: **16601**. Skin and skull. Adult male.
LOCALITY: (United States): North Carolina; Stokes County, Dan River near Danbury. April 7, 1897.
COLLECTOR: H. H. Brumley. Original number 607.
CONDITION: Skin partial (right front leg missing). Skull intact except for missing left M3.

Family **HETEROMYIDAE** Gray
Subfamily **HETEROMYINAE** Gray
Genus ***LIOMYS*** Merriam

***Heteromys hispidus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 9: 56, March 15, 1897.
= *Liomys pictus hispidus* (Allen). See Genoways, Spec. Publ. Mus. Texas Tech 5: 179, December 7, 1973.
HOLOTYPE: **8333/6667**. Skin and skull. Adult female.
LOCALITY: Mexico: (Nayarit); Compostela, Rancho El Colomo. February 11, 1893.
COLLECTOR: A. C. Buller. Original number 6.
CONDITION: Skin and skull complete.

***Heteromys pictus escuinapae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 22: 211, July 25, 1906.
= *Liomys pictus hispidus* (Allen). See Genoways, Spec. Publ. Mus. Texas Tech 5: 179, December 7, 1973.
HOLOTYPE: **24502**. Skin and skull. Adult male.
LOCALITY: (Mexico): Sinaloa; Escuinapa (= Escuinapas). February 3, 1904.
COLLECTOR: J. H. Batty. Original number 1008.
CONDITION: Skin complete. Skull partial (left zygomatic arch missing).

***Liomys pinetorum*** Goodwin
Am. Mus. Novitates 1620: 1, September 28, 1956.
= *Liomys pictus pictus* (Thomas). See Genoways, Spec. Publ. Mus. Texas Tech 5: 179, December 7, 1973.
HOLOTYPE: **167408**. Skin and skull. Adult female.
LOCALITY: Mexico: Chiapas; Tonalá District, Cerro Tres Picos, 24 km NE Tonalá, 4000 ft (1220 m). October 22, 1954.
COLLECTOR: T. MacDougall. Original number 1350.
CONDITION: Skin and skull complete.

***Heteromys vulcani*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 24: 652, October 13, 1908.
= *Liomys salvini vulcani* (Allen). See Goodwin, Bull. Am. Mus. Nat. Hist. 87: 374, December 31, 1946.
HOLOTYPE: **28315**. Skin and skull. Adult female.
LOCALITY: Nicaragua: (Chinandega); Volcán de Chinandega, 4000 ft (1220 m). May 7, 1907.
COLLECTOR: W. B. Richardson. Original number 62.
CONDITION: Skin complete. Skull partial (zygomatic arches missing).

***Liomys anthonyi*** Goodwin
Am. Mus. Novitates 528: 2, May 23, 1932.
= *Liomys salvini salvini* (Thomas). See Genoways, Spec. Publ. Mus. Texas Tech. Univ. 5: 242, December 7, 1973.
HOLOTYPE: **79255**. Skin and skull. Adult female.
LOCALITY: (Guatemala): (El Quiché); Sacapulas, 4500 ft (1372 m). February 7, 1928.
COLLECTOR: A. W. Anthony. Original number 828.
CONDITION: Skin and skull complete.

***Heteromys jaliscensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 22: 251, July 25, 1906.
= *Liomys irroratus jaliscensis* (Allen). See Goldman, N. Am. Fauna 34: 60, September 7, 1911.
HOLOTYPE: **26325**. Skin and skull. Adult male.
LOCALITY: (Mexico): Jalisco; Las Canoas, 20 mi (32 km) W Zapotlan, 7000 ft (2135 m). August 6, 1905.
COLLECTOR: J. H. Batty. Original number 2385.
CONDITION: Skin and skull complete.

***Liomys irroratus yautepecus*** Goodwin
Am. Mus. Novitates 1757: 7, March 8, 1956.
= *Liomys irroratus irroratus* (Gray). See Genoways, Spec. Publ. Mus. Texas Tech. Univ. 5: 111, December 7, 1973.
HOLOTYPE: **149921**. Skin and skull. Adult female.
LOCALITY: Mexico; Oaxaca; San Pedro Jilotepec (= San Pedro Huilotepec), Rancho Sauce, 5000 ft (1525 m). October 29, 1952.
COLLECTOR: T. MacDougall. Original number 1206.
CONDITION: Skin and skull complete.

Genus ***HETEROMYS*** Desmarest

***Heteromys desmarestianus underwoodi*** Goodwin
Am. Mus. Novitates 1227: 1, April 22, 1943.
HOLOTYPE: **131729**. Skin and skull. Adult male.
LOCALITY: Costa Rica: (San José); Escazú, 7 mi (11.2 km) SW San José, 3000 ft (1830 m). April 28, 1938.
COLLECTOR: C. F. Underwood. Original number 3089.
CONDITION: Skin and skull complete.

***Heteromys fuscatus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 24: 652, October 13, 1908.
= *Heteromys desmarestianus fuscatus* Allen. See Goldman, Smithsonian Misc. Coll. 69: 115, April 26, 1920.
HOLOTYPE: **28451**. Skin and skull. Adult male.
LOCALITY: Nicaragua: Tuma. December 1, 1907.
COLLECTOR: W. B. Richardson. Original number 153.
CONDITION: Skin and skull complete.

***Heteromys gaumeri*** J. A. Allen and Chapman
Bull. Am. Mus. Nat. Hist. 9: 9, February 23, 1897.
HOLOTYPE: **12028/10461**. Skin and skull. Adult male.
LOCALITY: (Mexico): Yucatan; Chichén-Itza. March 17, 1896.

COLLECTOR: F. M. Chapman. Original number 1011.
CONDITION: Skin complete. Skull partial (most of braincase missing).

***Heteromys jesupi*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 12: 201, December 20, 1899.
= *Heteromys anomalus jesupi* Allen. See Osgood, Field Mus. Nat. Hist., Zool. 10: 54, 1912.
HOLOTYPE: **15347**. Skin and skull. Adult female.
LOCALITY: Colombia: (Magdalena); below Minca, 1000 ft (305 m). July 30, 1899.
COLLECTOR: H. H. Smith (JSM). Original number 1025.
CONDITION: Skin and skull complete.

***Heteromys nigricaudatus*** Goodwin
Am. Mus. Novitates 1791: 4, September 28, 1956.
= *Heteromys lepturus nigricaudatus* Goodwin. See Goodwin, Bull. Am. Mus. Nat. Hist. 141: 149, April 30, 1969.
HOLOTYPE: **165995**. Skin and skull. Adult female.
LOCALITY: Mexico: Oaxaca; Tehuantepec, Mazatlán, 1500 ft (457.5 m). December 10, 1953.
COLLECTOR: T. MacDougall. Original number 1268.
CONDITION: Skin complete. Skull partial (pterygoid processes missing).

***Heteromys lomitensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 31: 77, April 19, 1912.
= *Heteromys australis australis* Thomas. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(2): 513, August 25 1961.
HOLOTYPE: **32240**. Skin and skull. Adult female.
LOCALITY: Colombia: Cauca (= Valle de Cauca); Las Lomitas (= Lomitas), 5000 ft (1525 m). March 1, 1911.
COLLECTOR: W. B. Richardson. Original number 87.
CONDITION: Skin complete. Skull partial (zygomatic arches missing, left auditory bulla broken).
COMMENT: Collector's label bears note, "no skull."

Subfamily **PEROGNATHINAE** Coues
Genus ***PEROGNATHUS*** Wied-Neuwied

***Perognathus merriami*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 4: 45, March 25, 1892.
= *Perognathus merriami merriami* Allen. See Lee and Engstrom, J. Mammal. 72: 280, May 24, 1991.
HOLOTYPE: **4145/3177**. Skin and skull. Adult male.
LOCALITY: (United States): Texas; (Cameron County), Brownsville. August 10, 1891.
COLLECTOR: F. B. Armstrong. Original number 42.
CONDITION: Skin complete. Skull partial (right zygomatic arch missing).

***Perognathus mearnsi*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 8: 237, Novembr 21, 1896.
= *Perognathus merriami mearnsi* Allen. See Lee and Engstrom, J. Mammal. 72: 280, May 24, 1991.
HOLOTYPE: **11957/10395**. Skin and skull. Adult male.
LOCALITY: (United States): Texas; (Bexar County), 15 mi (24 km) SW San Antonio, Watson's Ranch. November 20, 1895.
COLLECTOR: H. P. Attwater. Original number 110.
CONDITION: Skin complete. Skull missing (see Goodwin, 1953: 373).

***Perognathus flavus sanluisi*** Hill
Am. Mus. Novitates 1212: 1, December 7, 1942.
HOLOTYPE: **137669**. Skin and skull. Adult female.
LOCALITY: (United States): Colorado; Alamosa County, San Luis Valley, 9 mi (13.4 km) E Center. August 18, 1940.
COLLECTOR: P. E. Crowe. Original number 820.
CONDITION: Skin and skull complete.

Genus ***CHAETODIPUS*** Merriam

***Perognathus pricei*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 6: 318, November 7, 1894.
= *Chaetodipus penicillatus pricei* (Allen). See Comment.

HOLOTYPE: **8359/6685**. Skin and skull. Adult male.
LOCALITY: Mexico: Sonora; Oposura. May 31, 1894.
COLLECTOR: B. C. Condit. Original number 1687.
CONDITION: Skin complete. Skull partial (right zygomatic arch missing).
COMMENT: Osgood (1900: 47) associated *pricei* with the species *penicillatus*; allocation of the latter to *Chaetodipus* follows Hafner and Hafner (1983: 25).

***Perognathus (Chaetodipus) femoralis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 3: 20, June 30, 1891.
= *Chaetodipus californicus femoralis* (Allen). See Comment.
HOLOTYPE: **3386/2659**. Skin and skull. Adult male.
LOCALITY: (United States): California; (San Diego County), Dulzura. February 12, 1891.
COLLECTOR: C. H. Marsh. Original number unknown.
CONDITION: Skin and skull complete.
COMMENT: Arrangement of *femoralis* as a subspecies of *californicus* follows Grinnell (1913: 335); recognition of *Chaetodipus* as a genus is defended by Hafner and Hafner (1983: 25).

***Perognathus conditi*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 6: 318, November 7, 1894.
= *Chaetodipus hispidus paradoxus* (Merriam). See Comment.
HOLOTYPE: **8360/6686**. Skin and skull. Adult male.
LOCALITY: (United States): Arizona; (Cochise County), San Bernardino Ranch. March 23, 1894.
COLLECTOR: B. C. Condit. Original number 1505.
CONDITION: Skin complete. Skull partial (zygomatic arches missing).
COMMENT: Synonymy of *conditi* with *paradoxus* follows Osgood (1900: 44); the association of *hispidus* with *Chaetodipus* reflects the arrangement of Hafner and Hafner (1983: 25).

Subfamily **DIPODOMYINAE** Gervais
Genus ***DIPODOMYS*** Gray

***Dipodomys merriami*** Mearns
Bull. Am. Mus. Nat. Hist. 2: 290, February 21, 1890.
= *Dipodomys merriami merriami* Mearns. See Lidicker, Univ. California Publ. Zool. 67: 125, August 4, 1960.
HOLOTYPE: **2394**. Skin only. Adult male.
LOCALITY: (United States): Arizona; (Maricopa County), New River. May 16, 1885.
COLLECTOR: E. A. Mearns. Original number 194.
CONDITION: Skin complete.
COMMENT: A skull was referred to in the type description but no number was given and it apparently was not cataloged.

***Dipodomys chapmani*** Mearns
Bull. Am. Mus. Nat. Hist. 2: 291, February 21, 1890.
= *Dipodomys ordii chapmani* Mearns. See Grinnell, J. Mammal. 2: 96, May 2, 1921.
SYNTYPES: **2400/10560**. Skin and skull. Adult male. January 26, 1887. **2398/10561**. Skin and skull. Adult female. October 1, 1885.
LOCALITY: (United States): Arizona; (Yavapai County), Fort Verde.
COLLECTOR: E. A. Mearns. Original numbers: ♂ 483, ♀ 250.
CONDITION: Skins and skulls complete.

***Perodipus obscurus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 19: 603, November 12, 1903.
= *Dipodomys ordii obscurus* (Allen). See Grinnell, J. Mammal. 2: 96, May 2, 1921.
HOLOTYPE: **20957**. Skin and skull. Adult male.
LOCALITY: Mexico: Durango; Río Sestín (= Río de Oro). April 13, 1903.
COLLECTOR: J. H. Batty. Original number 440.
CONDITION: Skin and skull complete.

***Dipodops richardsoni*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 3: 277, June 30, 1891.
= *Dipodomys ordii richardsoni* (Allen). See Grinnell, J. Mammal. 2: 96, May 2, 1921.
HOLOTYPE: **3025/2345**. Skin and skull. Adult male.

LOCALITY: (United States): Indian Territory (= Oklahoma); (Beaver County), Beaver River. October 26, 1889.
COLLECTOR: J. Richardson and J. Rowley, Jr. Original number 603.
CONDITION: Skin and skull complete.

***Dipodops sennetti*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 3: 226, April 29, 1891.
= *Dipodomys ordii sennetti* (Allen). See Davis, J. Mammal. 23: 332, August 13, 1942.
HOLOTYPE: **3478/2733**. Skin and skull. Adult male.
LOCALITY: (United States): Texas; Cameron County, (Santa Rosa, 85 mi [136 km] SW Corpus Christi). March 9, 1888.
COLLECTOR: J. M. Priour. Original number 535.
CONDITION: Skin damaged (distal tail repaired). Skull partial (right zygomatic arch missing).

Family **GEOMYIDAE** Bonaparte
Subfamily **GEOMYINAE** Baird
Genus ***GEOMYS*** Rafinesque

***Geomys personatus fuscus*** Davis
Texas Agri. Exp. Sta. Bull. 590: 30, August 1940.
HOLOTYPE: **12691/10985**. Skin and skull. Adult male.
LOCALITY: (United States): Texas; Kinney County, Fort Clark (= Brackettville). February 6, 1893.
COLLECTOR: E. A. Mearns. Original number 2274.
CONDITION: Skin complete, bald spots on right hip. Skull complete.

Genus ***THOMOMYS*** Wied-Neuwied

***Thomomys fulvus martirensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 10: 147, April 12, 1898.
= *Thomomys bottae martirensis* Allen. See Huey, Trans. San Diego Soc. Nat. Hist. 10 (14): 257, August 31, 1945.
HOLOTYPE: **6370/5004**. Skin and skull. Adult male.
LOCALITY: Mexico: Lower California (= Baja California); San Pedro Martir Mountains, 8200 ft (2500 m). May 17, 1893.
COLLECTOR: A. W. Anthony and E. C. Thurber. Original number 58.
CONDITION: Skin and skull complete.

***Thomomys aureus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 5: 49, April 28, 1893.
= *Thomomys bottae aureus* Allen. See Goldman, Proc. Biol. Soc. Washington 48: 156, October 31, 1935.
HOLOTYPE: **5243/4123**. Skin and skull. Adult male.
LOCALITY: (United States): Utah; (San Juan County), Bluff City, 4500 ft (1372.5 m). May 12, 1892.
COLLECTOR: C. P. Rowley. Original number 162.
CONDITION: Skin and skull complete.

***Thomomys cervinus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 7: 203, June 29, 1895.
= *Thomomys bottae cervinus* Allen. See Goldman, Proc. Biol. Soc. Washington 48: 156, October 31, 1935.
HOLOTYPE: **10277/8590**. Skin and skull. Adult male.
LOCALITY: (United States); Arizona; (Maricopa County), Phoenix. October 30, 1894.
COLLECTOR: J. Diefenbach. Original number 26.
CONDITION: Skin complete. Skull partial (occiput and ventral braincase missing, part of left auditory bulla present but separate).

***Thomomys toltecus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 5: 52, April 28, 1893.
= *Thomomys bottae toltecus* Allen. See Goldman, Proc. Biol. Soc. Washington 48: 157, October 31, 1935.
HOLOTYPE: **5440/4305**. Skin and skull. Adult.
LOCALITY: Mexico: Chihuahua; Colonia Juárez on (Casas Grandes River), 4500 ft (1372.5 m). Fall 1890.
COLLECTOR: F. Robinette (LE). Original number unknown.
CONDITION: Skin complete. Skull partial (left zygomatic arch, occiput and anterior segment of lower incisors missing).
COMMENT: The collector was incorrectly listed in the type description as A. D. Meed.

***Thomomys umbrinus evexus*** Nelson and Goldman
J. Mamm. 15: 115, May 15, 1934.
HOLOTYPE: **21208**. Skin and skull. Adult female.
LOCALITY: Mexico: Durango; Mount San Gabriel. January 28, 1903.
COLLECTOR: J. H. Batty. Original number 188.
CONDITION: Skin complete. Skull partial (zygomatic arches missing).

***Thomomys rufescens*** Wied-Neuwied
Nova Acta Phys.-Med. Acad. Caesar. Leop-Carol. 19(1): 387, 1839.
= *Thomomys talpoides rufescens* Wied-Neuwied. See Bailey, N. Am. Fauna 39: 98, November 15, 1915.
HOLOTYPE: **636**. Skin and skull. Adult male.
LOCALITY: (United States): North Dakota; Oliver County, Minnetaree (Old Fort Clark six mi N Stanton). 1833.
COLLECTOR: Maximilian Wied-Neuwied. Original number unknown.
CONDITION: Skin faded (formerly mounted with skull inside). Skull damaged (braincase in pieces).

***Thomomys fossor*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 5: 51, April 28, 1893.
= *Thomomys talpoides fossor* Allen. See Goldman, J. Mammal. 20: 234, May 15, 1939.
HOLOTYPE: **5240/4120**. Skin and skull. Adult male.
LOCALITY: (United States): Colorado; La Plata County, Florida, 7200 ft (2196 m). June 25, 1892.
COLLECTOR: C. P. Rowley. Original number 299.
CONDITION: Skin complete. Skull partial (both jugals missing).

## Genus ***ORTHOGEOMYS*** Merriam

***Orthogeomys grandis carbo*** Goodwin
Am. Mus. Novitates 1757: 5, March 8, 1956.
HOLOTYPE: **165988**. Skin and skull. Adult male.
LOCALITY: Mexico: Oaxaca; Tehuantepec, Cerro de San Pedro. November 6, 1953.
COLLECTOR: T. MacDougall. Original number 1242.
CONDITION: Skin and skull complete.

***Heterogeomys hispidus negatus*** Goodwin
Am. Mus. Novitates 1620: 1, May 4, 1953.
= *Orthogeomys hispidus negatus* (Goodwin). See Russell, Univ. Kansas Publ. Mus. Nat. Hist. 16: 531, August 5, 1968.
HOLOTYPE: **147995**. Skin and skull. Adult male.
LOCALITY: Mexico: Tamaulipas; Gómez Ferás. June 19, 1951.
COLLECTOR: M. Martin. Original number 153.
CONDITION: Skin and skull complete.

***Geomys cherrei*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 5: 337, December 16, 1893.
= *Orthogeomys cherrei cherrei* (Allen). See Russell, Univ. Kansas Publ. Mus. Nat. Hist. 16: 532, August 5, 1968.
HOLOTYPE: **10768/9067**. Skin and skull. Adult male.
LOCALITY: Costa Rica: Limón; Santa Clara. October 1892.
COLLECTOR: G. K. Cherrie. Original number 664.
CONDITION: Skin complete except for split tail. Skull intact except for missing left I and right m1).

***Macrogeomys cherrei carlosensis*** Goodwin
Am. Mus. Novitates 1227: 3, April 22, 1943.
= *Orthogeomys cherrei carlosensis* (Goodwin). See Russell, Univ. Kansas Publ. Mus. Nat. Hist. 16: 532, August 5, 1968.
HOLOTYPE: **141944**. Skin and skull. Adult male.
LOCALITY: Costa Rica: Alajuela; Cataratos, 400 ft (122 m). May 4, 1942.
COLLECTOR: C. F. Underwood. Original number 4254.
CONDITION: Skin complete. Skull damaged (parietal region repaired).

***Macrogeomys matagalpae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 28: 97, April 30, 1910.
= *Orthogeomys matagalpae* (Allen). See Russell, Univ. Kansas Publ. Mus. Nat. Hist. 16: 532, August 5, 1968.

HOLOTYPE: **28964**. Skin and skull. Adult male.
LOCALITY: Nicaragua: Matagalpa; Peña Blanca. June 19, 1908.
COLLECTOR: W. B. Richardson. Original number 290.
CONDITION: Skin complete. Skull partial (all but rostrum with teeth and mandible missing).

***Macrogeomys heterodus cartagoensis*** Goodwin
Am. Mus. Novitates 1227: 2, April 22, 1943.
= *Orthogeomys heterodus cartagoensis* (Goodwin). See Russell, Univ. Kansas Publ. Mus. Nat. Hist. 16: 532, August 5, 1968.
HOLOTYPE: **139268**. Skin and skull. Adult male.
LOCALITY: Costa Rica: Cartago; Paso Ancho, 4800 ft (1464 m). January 4, 1941.
COLLECTOR: C. F. Underwood. Original number 3730.
CONDITION: Skin and skull complete.

## Family **DIPODIDAE** Fischer von Waldheim
## Subfamily **ZAPODINAE** Coues
## Genus ***ZAPUS*** Coues

***Zapus princeps*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 5: 71, April 28, 1893.
HOLOTYPE: **5260/4140**. Skin and skull. Adult female.
LOCALITY: (United States): Colorado, La Plata County, Florida, 7200 ft (2196 m). June 27, 1892.
COLLECTOR: C. P. Rowley (IAE). Original number 311.
CONDITION: Skin and skull complete.

***Zapus saltator*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 12: 3, March 4, 1899.
= *Zapus princeps saltator* Allen. See Anderson, Bull. Natl. Mus. Canada 102, biol. ser. 31: 170, January 24, 1947.
HOLOTYPE: **14408**. Skin and skull. Subadult female.
LOCALITY: (Canada): Northwest Territory (British Columbia); Telegraph Creek. August 23, 1897.
COLLECTOR: A. J. Stone (RNE). Original number 22.
CONDITION: Skin complete. Skull partial (left maxillary and teeth, interorbit, upper incisors, and palate missing).

## Subfamily **DIPODINAE** Fischer von Waldheim
## Genus ***STYLODIPUS*** G. M. Allen

***Stylodipus andrewsi*** G. M. Allen
Am. Mus. Novitates 161: 4, March 31, 1925.
= *Stylodipus telum andrewsi* Allen. See Allen, The mammals of China and Mongolia, Nat. Hist. of Central Asia 11(2): 1091, September 3, 1940.
HOLOTYPE: **58549**. Skin and skull. Adult male.
LOCALITY: Mongolia: Ussuk (= Uskuk). June 22, 1922.
COLLECTOR: R. C. Andrews (AE3). Original number 1303.
CONDITION: Skin complete. Skull intact except for missing left M3.

## Subfamily **ALLACTAGINAE** Vinogradov
## Genus ***ALLACTAGA*** F. Cuvier

***Allactaga bullata*** G. M. Allen
Am. Mus. Novitates 161: 2, March 31, 1925.
HOLOTYPE: **58723**. Skin and skull. Adult male.
LOCALITY: Mongolia: Bayanhonger; Tsagan Nor (= Böönтsagaan Nuur). July 5, 1922.
COLLECTOR: R. C. Andrews. Original number 1508.
CONDITION: Skin and skull complete.

***Allactaga elater turkmeni*** Goodwin
Am. Mus. Novitates 1082: 13, July 18, 1940.
= *Allactaga elater indica* Gray. See Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 530, November 19, 1951.
HOLOTYPE: **88748**. Skin and skull. Adult male.
LOCALITY: Iran: banks of Gurgan River, 60 km E Asterabad (= Gorgan), 40 ft (12 m). October 27, 1938.
COLLECTOR: G. G. Goodwin (LIE). Original number 3718.

Family **MURIDAE** Illiger
Subfamily **SIGMODONTINAE** Wagner
Genus ***TYLOMYS*** Peters

***Tylomys fulviventer*** Anthony
Bull. Am. Mus. Nat. Hist. 35: 366, June 9, 1916.
HOLOTYPE: **38063**. Skin and skull. Adult female.
LOCALITY: Panama: (Darien); Tacarcuna, 4200 ft (1281 m). March 13, 1915.
COLLECTOR: H. E. Anthony. Original number 207.
CONDITION: Skin and skull complete.

***Tylomys nudicaudus microdon*** Goodwin
Am. Mus. Novitates 1738: 1, June 10, 1955.
HOLOTYPE: **165991**. Skin and skull. Adult male.
LOCALITY: Mexico: Oaxaca; La Gloria, 10 km SE Santa Maria Chimalapa, 2500 ft (762.5 m). April 2, 1954.
COLLECTOR: T. MacDougall. Original number 1313.
CONDITION: Skin complete. Skull partial (left m1 and m2 and occiput missing).

***Tylomys mirae bogotensis*** Goodwin
Am. Mus. Novitates 1738: 4, June 10, 1955.
HOLOTYPE: **143523**. Skin and skull. Adult male.
LOCALITY: Colombia: West slope of Corderilla Oriental, Volcán Caparrapi, 1270 m. November 18, 1943.
COLLECTOR: M. Bates. Original number 2643.
CONDITION: Skin complete. Skull partial (both auditory bullae missing).

Genus ***OTOTYLOMYS*** Merriam

***Ototylomys fumeus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 24: 658, October 13, 1908.
= *Ototylomys phyllotis phyllotis* Merriam. See Lawlor, J. Mammal. 50: 36, February 26, 1969.
HOLOTYPE: **28291**. Skin and skull. Adult male.
LOCALITY: Nicaragua: Matagalpa. March 18, 1907.
COLLECTOR: W. B. Richardson. Original number unknown.
CONDITION: Skin and skull complete.

Genus ***OTONYCTOMYS*** Anthony

***Otonyctomys hatti*** Anthony
Am. Mus. Novitates 586: 1, November 16, 1932.
HOLOTYPE: **91190**. Skin, skull, and skeleton. Adult male.
LOCALITY: (Mexico): Yucatan; Chichén Itzá. October 27, 1929.
COLLECTOR: M. Roigneau. Original number 71.
CONDITION: Skin partial (incomplete tail). Skull intact except for missing right M3 and left zygomatic arch.

Genus ***NEOTOMA*** Say and Ord

***Neotoma campestris*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 6: 322, November 7, 1894.
= *Neotoma floridana campestris* Allen. See Kellogg, Kansas Univ. Mus. Nat. Hist. Publ. 1: 5, January 30, 1914.
HOLOTYPE: **7765/6742**. Skin and skull. Adult female.
LOCALITY: (United States): Kansas; (Lane County), Pendennis. May 8, 1894.
COLLECTOR: W. W. Granger. Original number 5.
CONDITION: Skin and skull complete.

***Neotoma attwateri*** Mearns
Proc. U.S. Natl. Mus. 19: 721, July 30, 1897.
= *Neotoma floridana attwateri* Mearns. See Elliot, Field Columbia Mus., zool. ser. 2: 157. March 6, 1901.
HOLOTYPE: **11964/10402**. Skin and skull. Adult female.
LOCALITY: (United States): Texas; Kerr County, Turtle Creek, Lacey's Ranch. December 10, 1895.
COLLECTOR: H. P. Attwater. Original number 113.
CONDITION: Skin and skull complete.

***Neotoma micropus canescens*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 3: 285, June 30, 1891.
HOLOTYPE: **3030/2350**. Skin and skull. Adult male.
LOCALITY: (United States): (Oklahoma); (Cimarron County), North Fork Beaver River (= North Canadian River). October 20, 1889.

COLLECTOR: W. B. Richardson. Original number 570.
CONDITION: Skin and skull complete.
COMMENT: In the original description, Allen described the locality as "North Beaver River near the boundary between Indian Territory and New Mexico." This places the locality in Cimarron County rather than Beaver County as given by Goodwin (1953).

***Neotoma intermedia durangae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 19: 602, November 12, 1903.
= *Neotoma albigula durangae* Allen. See Goldman, N. Am. Fauna 31: 37, October 1910.
HOLOTYPE: **21185**. Skin and skull. Adult male.
LOCALITY: Mexico: Durango; San Gabriel, 7000 ft (2135 m). February 20, 1903.
COLLECTOR: J. H. Batty. Original number 251.
CONDITION: Skin complete. Skull partial (left zygomatic arch missing).

***Neotoma anthonyi*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 10: 151, April 12, 1898.
HOLOTYPE: **13564/11913**. Skin and skull. Adult male.
LOCALITY: (Mexico): Lower California (= Baja California); Todos Santos Island. March 10, 1897.
COLLECTOR: A. W. Anthony. Original number 2.
CONDITION: Skin and skull complete.

***Neotoma chrysomelas*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 24: 653, October 13, 1908.
HOLOTYPE: **28372**. Skin and skull. Adult female.
LOCALITY: Nicaragua; Matagalpa. September 17, 1907.
COLLECTOR: W. B. Richardson. Original number 91.
CONDITION: Skin and skull complete.

***Neotoma grangeri*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 6: 324, November 7, 1894.
= *Neotoma cinerea orolestes* Merriam. See Goldman, N. Am. Fauna 31: 104, October 1910.
HOLOTYPE: **8391/6718**. Skin and skull. Adult male.
LOCALITY: (United States): South Dakota; (Custer County), Custer. August 4, 1894.
COLLECTOR: W. W. Granger. Original number 226.
CONDITION: Skin and skull complete.

***Neotoma cinnamomea*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 7: 331, November 8, 1895.
= *Neotoma cinerea cinnamomea* Allen. See Hooper, J. Mammal. 25: 415, December 12, 1944.
HOLOTYPE: **11092/9387**. Skin and skull. Adult male.
LOCALITY: (United States): Wyoming; (Sweetwater County), Bitter Creek, (Kinney Ranch). July 9, 1895.
COLLECTOR: W. W. Granger. Original number 674.
CONDITION: Skin complete. Skull intact except for missing right m3.

***Neotoma rupicola*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 6: 323, November 7, 1894.
= *Neotoma cinerea rupicola* Allen. See Goldman, N. Am. Fauna 31: 107, October 1910.
HOLOTYPE: **8390/6717**. Skin and skull. Adult male.
LOCALITY: (United States): South Dakota; Pine Ridge Indian Reservation (southeast base of Black Hills), Corral Draw, 3700 ft (1128.5 m). August 27, 1894.
COLLECTOR: W. W. Granger. Original number 371.
CONDITION: Skin and skull complete.
COMMENT: Goodwin (1953) incorrectly gave Pine River as the name of the Indian Reservation.

## Genus ***BAIOMYS*** True

***Peromyscus paulus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 19: 598, November 12, 1903.
= *Baiomys taylori paulus* (Allen). See Miller, Bull. U.S. Natl. Mus. 79: 137, December 31, 1912.

HOLOTYPE: **21165**. Skin and skull. Adult male.
LOCALITY: Mexico: Durango; Río Sestín (= Río del Oro). April 15, 1903.
COLLECTOR: J. H. Batty. Original number 455.
CONDITION: Skin complete, with ventral balding. Skull partial (left zygomatic arch missing).

***Peromyscus musculus brunneus*** J. A. Allen and Chapman
Bull. Am. Mus. Nat. Hist. 9: 203, June 16, 1897.
= *Baiomys musculus brunneus* (Allen and Chapman). See Miller, Bull. U.S. Natl. Mus. 79: 137, December 31, 1912.
HOLOTYPE: **12535/10845**. Skin and skull. Adult female.
LOCALITY: Mexico: Vera Cruz; Jalapa. April 13, 1897.
COLLECTOR: F. M. Chapman. Original number 1203.
CONDITION: Skin complete. Skull partial (zygomatic arches missing).

***Peromyscus musculus nebulosus*** Goodwin
Am. Mus. Novitates 1929: 1, March 5, 1959.
= *Baiomys musculus pallidus* Russell. See Packard, Univ. Kansas
Publ. Mus. Nat. Hist. 9: 625, June 16, 1960.
HOLOTYPE: **178727**. Skin and skull. Adult male.
LOCALITY: (Mexico: Oaxaca); Miahuatlan, Xanangua, 6000 ft (1830 m). November 10, 1957.
COLLECTOR: T. MacDougall. Original number 1983.
CONDITION: Skin and skull complete.

## Genus *SCOTINOMYS* Thomas

***Scotinomys teguina cacabatus*** Goodwin
Am. Mus. Novitates 1279: 1, February 21, 1945.
= *Scotinomys teguina irazu* Allen. See Hooper, Occas. Pap. Mus. Zool. Univ. Michigan 665: 19, April 11, 1972.
HOLOTYPE: **139733**. Skin and skull. Adult female.
LOCALITY: Costa Rica: Alajuela; Lajas Villa Quesada, 10 mi (16 km) NW Volcán Poás, 5000 ft (1525 m). September 16, 1941.
COLLECTOR: C. F. Underwood. Original number 4030.
CONDITION: Skin and skull complete.

***Scotinomys teguina escazuensis*** Goodwin
Am. Mus. Novitates 1279: 2, February 21, 1945.
= *Scotinomys teguina irazu* Allen. See Hooper, Occas. Pap. Mus. Zool. Univ. Michigan 665: 19, April 11, 1972.
HOLOTYPE: **138051**. Skin and skull. Adult female.
LOCALITY: Costa Rica: (San José); Los Higuerónes, above Escazú, 5000 ft (1525 m). November 1, 1940.
COLLECTOR: C. F. Underwood. Original number 3650.
CONDITION: Skin and skull complete.

***Akodon irazu*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 46, February 29, 1904.
= *Scotinomys teguina irazu* (Allen). See Goodwin, Am. Mus. Novitates 1279: 2, February 21, 1945.
HOLOTYPE: **18128**. Skin and skull. Adult female.
LOCALITY: Costa Rica: (Cartago); Mount Irazu (= Volcán Irazú), between 8000 and 10,000 ft (2440 and 3050 m). February 23, 1902.
COLLECTOR: M. A. Carriker, Jr. Original number 109.
CONDITION: Skin and skull complete.

***Scotinomys teguina endersi*** Goodwin
Bull. Am. Mus. Nat. Hist. 87: 409, December 31, 1946.
= *Scotinomys teguina apricus* Bangs. See Hooper, Occas. Pap. Mus. Zool. Univ. Michigan 665: 22, April 11, 1972.
HOLOTYPE: **141998**. Skin and skull. Adult female.
LOCALITY: Costa Rica: (Puntarenas); Cañas Gordas (local name for Agua Buena, Savanna de Portero Grande), 3500 ft (1067.5 m). November 29, 1942.
COLLECTOR: C. F. Underwood. Original number 4308.
CONDITION: Skin complete. Skull partial (right zygomatic arch missing).

***Scotinomys longipilosus*** Goodwin
Am. Mus. Novitates 1279: 2, February 21, 1945.

= *Scotinomys xerampelinus* Bangs. See Hooper, Occas. Pap. Mus. Zool. Univ. Michigan 665: 24, April 11, 1972.
HOLOTYPE: **141223**. Skin and skull. Adult male.
LOCALITY: Costa Rica: (Cartago); (Volcán) Irazú, 9400 ft (2867 m). August 22, 1941.
COLLECTOR: C. F. Underwood. Original number 3994.
CONDITION: Skin complete. Skull partial (basiocciput missing).

### Genus *OSGOODOMYS* Hooper and Musser

***Peromyscus banderanus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 9: 51, March 15, 1897.
= *Osgoodomys banderanus* (Allen). See Carleton, Misc. Publ. Mus. Zool. Univ. Michigan 157: 125, December 12, 1980.
HOLOTYPE: **8327/6661**. Skin and skull. Adult female.
LOCALITY: Mexico: (Jalisco); Valle de Banderas, Terro Tepic. February 23, 1893.
COLLECTOR: A. C. Buller. Original number 8.
CONDITION: Skin complete. Skull intact except for missing left M2.

### Genus *ONYCHOMYS* Baird

***Onychomys leucogaster fuscogriseus*** Anthony
Bull. Am. Mus. Nat. Hist. 32: 11, March 7, 1913.
HOLOTYPE: **33544**. Skin and skull. Adult female.
LOCALITY: (United States): Oregon; Malheur County, Ironside, 4000 ft (1220 m). August 20, 1912.
COLLECTOR: H. E. Anthony. Original number 121.
CONDITION: Skin complete. Skull partial (zygomatic arches missing).

### Genus *PODOMYS* Osgood

***Hesperomys floridanus*** Chapman
Bull. Am. Mus. Nat. Hist. 2: 117, June 7, 1889.
= *Podomys floridanus* (Chapman). See Carleton, Misc. Publ. Mus. Zool. Univ. Michigan 157: 125, December 12, 1980.
HOLOTYPE: **1812**. Skin only. Adult female.
LOCALITY: (United States): Florida; (Alachua County), Gainesville. October 1888.
COLLECTOR: J. P. H. Bell. Original number 7.
CONDITION: Skin partial (distal half of tail missing).

### Genus *HABROMYS* Hooper and Musser

***Peromyscus ixtlani*** Goodwin
Am. Mus. Novitates 2183: 2, June 4, 1964.
= *Habromys lepturus ixtlani* (Goodwin). See Musser, Am. Mus. Novitates 2357: 17, January 27, 1969.
HOLOTYPE: **182099**. Skin and skull. Adult male.
LOCALITY: (Mexico): Oaxaca; Ixtlán, Cerro Machín (5 km NE of) Macuiltianguis, 6000 ft (1830 m). May 3, 1959.
COLLECTOR: T. MacDougall. Original number 2108.
CONDITION: Skin and skull missing.

### Genus *REITHRODONTOMYS* Giglioli

***Reithrodontomys aztecus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 5: 79, April 28, 1893.
= *Reithrodontomys megalotis aztecus* Allen. See Howell, N. Am. Fauna 36: 30, June 5, 1914.
HOLOTYPE: **5162/4042**. Skin and skull. Adult male.
LOCALITY: (United States): New Mexico; (San Juan County), La Plata, 6100 ft (1860.5 m). April 11, 1892.
COLLECTOR: C. P. Rowley. Original number 86.
CONDITION: Skin complete. Skull partial (right zygomatic arch missing).

***Reithrodontomys dychei*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 7: 120, May 21, 1895.
= *Reithrodontomys megalotis dychei* Allen. See Howell, N. Am. Fauna 36: 30, June 5, 1914.
HOLOTYPE: **10127/8431**. Skin and skull. Adult female.
LOCALITY: (United States): Kansas; (Douglas County), Lawrence. January 12, 1894.
COLLECTOR: L. L. Dyche. University of Kansas number 5232.

CONDITION: Skin complete. Skull partial (zygomatic arches missing).

***Reithrodontomys saturatus*** J. A. Allen and Chapman
Bull. Am. Mus. Nat. Hist. 9: 201, June 16, 1897.
= *Reithrodontomys megalotis saturatus* Allen and Chapman. See Howell, N. Am. Fauna 36: 36, June 5, 1914.
HOLOTYPE: **12502/10812**. Skin and skull. Adult male.
LOCALITY: Mexico: Vera Cruz; Las Vigas, 8000 ft (2440 m). April 26, 1897.
COLLECTOR: F. M. Chapman. Original number 1276.
CONDITION: Skin complete. Skull partial (nasals, left zygomatic arch missing).

***Reithrodontomys megalotis hooperi*** Goodwin
Am. Mus. Novitates 1660: 1, 1954.
HOLOTYPE: **148015**. Skin and skull. Adult female.
LOCALITY: Mexico: Tamaulipas; Rancho del Cielo, 5 mi (8 km) NW Gómez Farías, 3500 ft (1067.5 m). July 6, 1951.
COLLECTOR: M. Martin. Original number 315.
CONDITION: Skin and skull complete.

***Reithrodontomys arizonensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 7: 134, May 21, 1895.
= *Reithrodontomys megalotis arizonensis* Allen. See Howell, N. Am. Fauna 36: 38, June 5, 1914.
HOLOTYPE: **8843/7142**. Skin and skull. Adult female.
LOCALITY: (United States): Arizona; Chiricahua Mountains (Cochise County, Rock Creek), 8000 ft (2440 m). July 8, 1894.
COLLECTOR: B. C. Condit. Original number 1100.
CONDITION: Skin and skull complete.

***Reithrodontomys megalotis sestinensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 19: 602, November 12, 1903.
= *Reithrodontomys megalotis megalotis* (Baird). See Howell, N. Am. Fauna 36: 26, June 5, 1914.
HOLOTYPE: **21175**. Skin and skull. Adult male.
LOCALITY: Mexico: Durango; Rio Sestín (Río del Oro), 7500 ft (2287.5 m). April 11, 1903.
COLLECTOR: J. H. Batty. Original number 405.
CONDITION: Skin complete. Skull partial (nasals missing).

***Reithrodontomys pallidus*** Rhoads
Am. Nat. 27: 835, September 1, 1893.
= *Reithrodontomys megalotis longicaudus* (Baird). See Howell, N. Am. Fauna 36: 33, June 5, 1914.
HOLOTYPE: **3289/2568**. Skin and skull. Adult female.
LOCALITY: (United States): California; San Diego County, Santa Ysabel. March 13, 1890.
COLLECTOR: F. Stephens. Original number 613.
CONDITION: Skin complete. Skull partial (cranium crushed).

***Reithrodontomys mexicanus fulvescens*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 6: 319, November 7, 1894.
= *Reithrodontomys fulvescens fulvescens* Allen. See Howell, N. Am. Fauna 36: 43, June 5, 1914.
HOLOTYPE: **8411/6736**. Skin and skull. Adult male.
LOCALITY: (Mexico): Sonora; Oposura. June 1, 1894.
COLLECTOR: B. C. Condit. Original number 1696.
CONDITION: Skin complete. Skull partial nasal tips missing.

***Reithrodontomys mexicanus intermedius*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 7: 136, May 21, 1895.
= *Reithrodontomys fulvescens intermedius* Allen. See Howell, N. Am. Fauna 36: 47, June 5, 1914.
HOLOTYPE: **4207/3237**. Skin and skull. Adult female.
LOCALITY: (United States): Texas; (Cameron County), Brownsville. September 3, 1891.
COLLECTOR: F. B. Armstrong.
CONDITION: Skin complete. Skull partial (occiput missing).

***Reithrodontomys laceyi*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 8: 235, November 21, 1896.
= *Reithrodontomys fulvescens laceyi* Allen. See Russell, Texas J. Sci. 5: 457, December 1953.
HOLOTYPE: **12212/10564**. Skin and skull. Adult female.
LOCALITY: (United States): Texas; (Bexar County), 15 mi (24 km) S San Antonio, Watson's Ranch. March 6, 1896.
COLLECTOR: H. P. Attwater. Original number 147.
CONDITION: Skin complete. Skull partial (parts of braincase missing; cranium was crushed and reconstructed sometime before 1953).

***Reithrodontomys rufescens*** J. A. Allen and Chapman
Bull. Am. Mus. Nat. Hist. 9: 199, June 16, 1897.
= *Reithrodontomys sumichrasti sumichrasti* (Saussure). See Hooper, Misc. Publ. Mus. Zool. Univ. Michigan 77: 71, January 16, 1952.
HOLOTYPE: **12483/10802**. Skin and skull. Adult male.
LOCALITY: Mexico: Veracruz; Jalapa, 4400 ft (1342 m). April 5, 1897.
COLLECTOR: F. M. Chapman. Original number 1111.
CONDITION: Skin and skull complete.

***Reithrodontomys australis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 7: 328, November 8, 1895.
= *Reithrodontomys sumichrasti australis* Allen. See Hooper, Misc. Publ. Mus. Zool. Univ. Michigan 77: 80, January 16, 1952.
HOLOTYPE: **11291/9555**. Skin and skull. Adult.
LOCALITY: Costa Rica: Volcán de Irazú. June 1892.
COLLECTOR: A. Alfaro. Museo Nacional de Costa-Rica number 621.
CONDITION: Skin complete. Skull partial (hole in right parietal, left zygomatic arch missing).

***Reithrodontomys dorsalis underwoodi*** Goodwin
Am. Mus. Novitates 921: 2, May 3, 1937.
= *Reithrodontomys sumichrasti modestus* Thomas. See Hooper, Misc. Publ. Mus. Zool. Univ. Michigan 77: 80, January 16, 1952.
HOLOTYPE: **124869**. Skin and skull. Adult.
LOCALITY: Honduras: Ocotopeque; Monte Verde, 4500 ft (1372.5 m). July 24, 1936.
COLLECTOR: C. F. Underwood. Original number 1337.
CONDITION: Skin complete. Skull partial (zygomatic arches missing).

***Reithrodontomys mexicanus howelli*** Goodwin
Am. Mus. Novitates 560: 1, September 16, 1932.
HOLOTYPE: **70500**. Skin and skull. Adult female.
LOCALITY: Guatemala: (El Quiché); Chichicastenango, 6500 ft (1982.5 m). February 12, 1925.
COLLECTOR: A. W. Anthony. Original number 139.
CONDITION: Skin and skull complete.

***Hesperomys (Vesperimus) cherrii*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 3: 211, April 17, 1891.
= *Reithrodontomys mexicanus cherrii* (Allen). See Howell, N. Am. Fauna 36: 73, June 5, 1914.
LECTOTYPE: **3648**. Skin only. Adult.
LOCALITY: Costa Rica: San José. June 9, 1889.
COLLECTOR: C. F. Underwood. Original number 384.
CONDITION: Skin complete.
COMMENT: Goodwin (1953) provided information about another specimen, but it is irrelevant to the holotype of *cherrii*. Osgood (1907: 50) explained why he selected AMNH 3648 as the type, and Hooper (1952: 153) provided a thorough discussion of the problem.

***Reithrodontomys costaricensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 7: 139, May 21, 1895.
= *Reithrodontomys mexicanus cherrii* (Allen). See Howell, N. Am. Fauna 36: 73, June 5, 1914.
HOLOTYPE: **9556/7898**. Skin and skull. Adult male.
LOCALITY: Costa Rica: Cartago; La Carpintera, 6000 ft (1830 m). July 15, 1891.

COLLECTOR: G. K. Cherrie. Original number 493.
CONDITION: Skin and skull complete.

***Reithrodontomys mexicanus ocotepequensis*** Goodwin
Am. Mus. Novitates 921: 1, May 3, 1937.
HOLOTYPE: **124860**. Skin and skull. Adult male.
LOCALITY: Honduras: Ocotepeque; Monte Verde, 4500 ft (1372.5 m). July 23, 1936.
COLLECTOR: C. F. Underwood. Original number 1327.
CONDITION: Skin and skull complete.

***Reithrodontomys mexicanus potrerograndei*** Goodwin
Am. Mus. Novitates 1293: 1, July 20, 1945.
HOLOTYPE: **142464**. Skin and skull. Adult male.
LOCALITY: Costa Rica: Puntarenas: Savanna de Potrero Grande, Agua Buena (30 air mi N Cañas Gordas), 3500 ft (1067.5 m). December 29, 1942.
COLLECTOR: C. F. Underwood. Original number 4410.
CONDITION: Skin complete. Skull partial (right zygomatic arch missing).

***Reithrodontomys milleri*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 31: 77, April 19, 1912.
= *Reithrodontomys mexicanus milleri* Allen. See Hershkovitz, Occas. Pap. Mus. Zool. Univ, Michigan 441: 2, July 18, 1941.
HOLOTYPE: **32596**. Skin and skull. Adult male.
LOCALITY: Colombia: Cauca; Munchique (= Cerro Munchique), 8325 ft (2539 m). May 28, 1911.
COLLECTOR: L. E. Miller. Original number 75.
CONDITION: Skin complete. Skull partial (zygomatic arches missing).

***Reithrodontomys brevirostris*** Goodwin
Am. Mus. Novitates 1231: 1, June 2, 1943.
HOLOTYPE: **139727**. Skin and skull. Adult female.
LOCALITY: Costa Rica: (Alajuela); Laja, Villa Quesada, 5000 ft (1525 m). September 16, 1941.
COLLECTOR: C. F. Underwood. Original number 4026.
CONDITION: Skin and skull complete.

***Reithrodontomys mexicanus gracilis*** J. A. Allen and Chapman
Bull. Am. Mus. Nat. Hist. 9: 9, February 23, 1897.
= *Reithrodontomys gracilis gracilis* Allen and Chapman. See Howell, N. Am. Fauna 36: 76, June 5, 1914.
HOLOTYPE: **12018/10451**. Skin and skull. Adult female.
LOCALITY: (Mexico): Yucatan; Chichén Itzá. March 10, 1896.
COLLECTOR: F. M. Chapman. Original number 996.
CONDITION: Skin complete, with dorsal bald spot. Skull partial (occiput missing).

***Reithrodontomys pacificus*** Goodwin
Am. Mus. Novitates 560: 2, September 16, 1932.
= *Reithrodontomys gracilis pacificus* Goodwin. See Hooper, Misc. Publ. Mus. Zool. Univ. Michigan 77: 135, January 16, 1952.
HOLOTYPE: **79331**. Skin and skull. Adult female.
LOCALITY: Guatemala: Hacienda California, 6 mi (9.6 km) from Ocos. November 12, 1927.
COLLECTOR: A. W. Anthony. Original number 743.
CONDITION: Skin complete. Skull partial (right zygomatic arch missing).

***Reithrodontomys gracilis anthonyi*** Goodwin
Am. Mus. Novitates 560: 3, September 16, 1932.
HOLOTYPE: **79093**. Skin and skull. Adult female.
LOCALITY: Guatemala: (El Quiché); Sacapulas, 4500 ft (1372.5 m). March 2, 1928.
COLLECTOR: A. W. Anthony. Original number 894.
CONDITION: Skin and skull complete.

***Reithrodontomys rodriguezi*** Goodwin
Am. Mus. Novitates 1231: 1, June 2, 1943.
HOLOTYPE: **141195**. Skin and skull. Adult female.
LOCALITY: Costa Rica: (Cartago); Volcán Irazú, 9400 ft (2867 m). August 21, 1941.

COLLECTOR: C. F. Underwood. Original number 3988.
CONDITION: Skin and skull complete.

Genus ***PEROMYSCUS*** Gloger

***Peromyscus cedrosensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 10: 154, April 12, 1898.
= *Peromyscus eremicus cedrosensis* Allen. See Osgood, N. Am. Fauna 28: 244, April 17, 1909.
HOLOTYPE: **13583/11932**. Skin and skull. Adult male.
LOCALITY: (Mexico): (Baja California); Cerros Island. April 1, 1897.
COLLECTOR: A. W. Anthony. Original number 39.
CONDITION: Skin complete. Skull partial (braincase, right M2, M3, and m3 missing).

***Peromyscus eremicus propinquus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 10: 154, April 12, 1898.
= *Peromyscus eremicus fraterculus* (Miller). See Hall, The mammals of North America, 2nd ed., vol. 2: 658, April 3, 1981.
HOLOTYPE: **13579/11928**. Skin and skull. Adult male.
LOCALITY: (Mexico): Lower California (= Baja California); San Pablo Point (San Pablo Bay). June 22, 1897.
COLLECTOR: A. W. Anthony. Original number 73.
CONDITION: Skin and skull complete.

***Sitomys auripectus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 5: 75, April 28, 1893.
= *Peromyscus crinitus auripectus* (Allen). See Osgood, N. Am. Fauna 28: 231, April 17, 1909.
HOLOTYPE: **5117/3997**. Skin and skull. Adult female.
LOCALITY: (United States): Utah; (San Juan County), Bluff City, 4500 ft (1372.5 m). May 14, 1892.
COLLECTOR: C. P. Rowley. Original number 174.
CONDITION: Skin complete. Skull partial (zygomatic arches missing).

***Peromyscus texanus subarcticus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 12: 15, March 4, 1899.
= *Peromyscus maniculatus artemisiae* (Rhoads). See Osgood, N. Am. Fauna 28: 58, April 17, 1909.
HOLOTYPE: **10107/8411**. Skin and skull. Adult female.
LOCALITY: (United States): Montana; Deer Lodge County. August 13, 1894.
COLLECTOR: L. L. Dyche. Original number 5606.
CONDITION: Skin complete. Skull partial (nasals missing).

***Hesperomys leucopus nebrascensis*** Mearns
Bull. Am. Mus. Nat. Hist. 2: 285, February 21, 1890. (Name preoccupied by *Hesperomys sonoriensis* var. *nebrascensis* Coues 1877.)
= *Peromyscus maniculatus osgoodi* Mearns. See Mearns, Proc. Biol. Soc. Washington 24: 102, May 15, 1911 (new name for *H.l. nebrascensis* Mearns).
HOLOTYPE: **1200/747**. Skin and skull. Adult male.
LOCALITY: (United States): Montana; (Custer County), Calf Creek. October 16, 1887.
COLLECTOR: Elliot and J. Richardson. Original number 240.
CONDITION: Skin complete. Skull partial (right zygomatic arch missing).

***Sitomys americanus thurberi*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 5: 185, August 18, 1893.
= *Peromyscus maniculatus gambelii* (Baird). See Osgood, N. Am. Fauna 28: 67, April 17, 1909.
HOLOTYPE: **6234/4871**. Skin and skull. Adult male.
LOCALITY: (Mexico): Lower California (= Baja California); San Pedro Martir Mountains, 8200 ft (2501 m). May 20, 1893.
COLLECTOR: E. C. Thurber. Original number 101.
CONDITION: Skin complete. Skull partial (posterior braincase and zygomatic arches missing).

***Peromyscus michiganensis pallescens*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 8: 238, November 21, 1896.
= *Peromyscus maniculatus pallescens* J. A.

Allen. See Osgood, N. Am. Fauna 28: 83, April 17, 1909.
HOLOTYPE: **12213/10565**. Skin and skull. Adult male.
LOCALITY: (United States): Texas; (Bexar County), San Antonio. February 7, 1896.
COLLECTOR: H. P. Attwater. Original number 143.
CONDITION: Skin and skull complete.

***Peromyscus dubius*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 10: 157, April 12, 1898.
= *Peromyscus maniculatus dubius* Allen. See Osgood, N. Am. Fauna 28: 98, April 17, 1909.
HOLOTYPE: **13586/11935**. Skin and skull. Adult male.
LOCALITY: (Mexico): (Baja California); Todos Santos Island. March 11, 1897.
COLLECTOR: A. W. Anthony. Original number 5.
CONDITION: Skin and skull complete.

***Peromyscus geronimensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 10: 156, April 12, 1898.
= *Peromyscus maniculatus geronimensis* Allen. See Osgood, N. Am. Fauna 28: 99, April 17, 1909.
HOLOTYPE: **13616/11965**. Skin and skull. Adult male.
LOCALITY: (Mexico): Lower California (= Baja California); San Geronimo Island. March 17, 1897.
COLLECTOR: A. W. Anthony. Original number 33.
CONDITION: Skin complete. Skull partial (occiput and zygomatic arches missing).
COMMENT: Osgood (1909: 99) noted that the specimen in the type collection did not bear the number Allen had published. Allen had incorrectly listed skull AMNH 11960 as that of the type specimen. In the ledger catalog, AMNH 11965 is indicated as the skull belonging to skin AMNH 13616, and that is the cranial element of the type designated in the present list.

***Peromyscus exiguus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 10: 157, April 12, 1898.
= *Peromyscus maniculatus exiguus* Allen. See Miller and Kellogg, Bull. U.S. Nat. Mus. 205: 485, March 3, 1955.
HOLOTYPE: **13574/11923**. Skin and skull. Adult male.
LOCALITY: (Mexico): Lower California (Baja California); San Martin Island. March 14, 1897.
COLLECTOR: A. W. Anthony. Original number 8.
CONDITION: Skin and skull complete.

***Peromyscus cineritius*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 10: 155, April 12, 1898.
= *Peromyscus maniculatus cineritius* Allen. See Osgood, N. Am. Fauna 28: 100, April 17, 1909.
HOLOTYPE: **13589/11938**. Skin and skull. Adult male.
LOCALITY: (Mexico): (Baja California); San Roque Island. June 21, 1897.
COLLECTOR: A. W. Anthony. Original number 69.
CONDITION: Skin complete. Skull intact except for missing right M2 and M3, left M3, left and right m1–m3.

***Hesperomys leucopus deserticolus*** Mearns
Bull. Am. Mus. Nat. Hist. 2: 285, February 21, 1890.
= *Peromyscus maniculatus sonoriensis* (Le Conte). See Osgood, N. Am. Fauna 28: 89, April 17, 1909.
HOLOTYPE: **1175/10563**. Skin and skull. Adult male.
LOCALITY: (United States): California; (San Bernardino County), Mohave Desert. June 5, 1887.
COLLECTOR: F. Stephens. Original number 462.
CONDITION: Skin and skull complete.

***Sitomys niveiventris subgriseus*** Chapman
Bull. Am. Mus. Nat. Hist. 5: 341, December 22, 1893.
= *Peromyscus polionotus subgriseus* (Chapman). See Schwartz, J. Mammal. 35: 562, November 29, 1954.
HOLOTYPE: **1745/1025**. Skin and skull. Adult male.
LOCALITY: (United States): Florida; (Alachua County), Gainesville. January 30, 1889.

COLLECTOR: F. M. Chapman. Original number 98.
CONDITION: Skin and skull complete.

***Hesperomys niveiventris*** Chapman
Bull. Am. Mus. Nat. Hist. 2: 117, June 7, 1889.
= *Peromyscus polionotus niveiventris* (Chapman). See Osgood, N. Am. Fauna 28: 105, April 17, 1909.
HOLOTYPE: **1762/1042**. Skin and skull. Adult male.
LOCALITY: (United States): Florida; (Brevard County), East peninsula, opposite Micco. March 3, 1889.
COLLECTOR: F. M. Chapman. Original number 211.
CONDITION: Skin and skull complete.

***Peromyscus polionotus peninsularis*** A. H. Howell
J. Mammal. 20: 364, August 14, 1939.
HOLOTYPE: **131489**. Skin and skull. Adult female.
LOCALITY: (United States): Florida; Bay County, Saint Andrews Point Peninsula. April 24, 1938.
COLLECTOR: D. G. Nichols. Original number 1227.
CONDITION: Skin and skull complete.

***Peromyscus melanotis*** J. A. Allen and Chapman
Bull. Am. Mus. Nat. Hist. 9: 203, June 16, 1897.
HOLOTYPE: **12512/10822**. Skin and skull. Adult male.
LOCALITY: Mexico: Vera Cruz; Las Vigas, 8000 ft (2440 m). April 23, 1897.
COLLECTOR: F. M. Chapman. Original number 1268.
CONDITION: Skin complete. Skull partial (right zygomatic arch missing).

***Peromyscus texanus flaccidus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 19: 599, November 12, 1903.
= *Peromyscus leucopus tornillo* Mearns. See Osgood, N. Am. Fauna 28: 125, April 17, 1909.
HOLOTYPE: **21064**. Skin and skull. Adult male.
LOCALITY: Mexico: Durango; Río Sestín (= Río del Oro), 7500 ft (2287.5 m). April 13, 1903.
COLLECTOR: J. H. Batty. Original number 430.
CONDITION: Skin complete. Skull damaged (occiput and right zygomatic arch broken).

***Sitomys americanus arizonae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 6: 321, November 7, 1894.
= *Peromyscus leucopus arizonae* (Allen). See Osgood, N. Am. Fauna 28: 126, April 17, 1909.
HOLOTYPE: **8416/6743**. Skin and skull. Adult male.
LOCALITY: (United States): Arizona; (Cochise County), Fairbank. March 13, 1894.
COLLECTOR: Price and Condit. Original number 726.
CONDITION: Skin and skull complete.

***Vesperimus mearnsi*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 3: 300, June 30, 1891.
= *Peromyscus leucopus texanus* (Woodhouse). See Osgood, N. Am. Fauna 28: 127, April 17, 1909.
HOLOTYPE: **3400/2673**. Skin and skull. Adult female.
LOCALITY: (United States): Texas; (Cameron County), Brownsville. February 4, 1891.
COLLECTOR: F. B. Armstrong. Original number 646.
CONDITION: Skin complete. Skull partial (occiput missing).

***Peromyscus leucopus lachiguiriensis*** Goodwin
Am. Mus. Novitates 1791: 5, September 28, 1956.
HOLOTYPE: **146070**. Skin and skull. Adult male.
LOCALITY: Mexico: Oaxaca; Miahuatlán district, San José Lachiguirí, 4000 ft (1220 m). January 11, 1949.
COLLECTOR: T. MacDougall. Original number 582.
CONDITION: Skin complete. Skull intact except for missing right M3).

***Peromyscus hylocetes yautepecus*** Goodwin
Am. Mus. Novitates 1732: 4, June 10, 1955.

= *Peromyscus aztecus evides* Osgood. See Carleton, J. Mammal. 60: 294, May 29, 1979.
HOLOTYPE: **146060**. Skin and skull. Adult male.
LOCALITY: Mexico: Oaxaca; Santo Tomás Teipán, 12 km S San Bartolo Yautepec, 7000 ft (2135 m). March 27, 1949.
COLLECTOR: T. MacDougall. Original number 727.
CONDITION: Skin complete. Skull partial (zygomatic arches missing).

***Peromyscus hondurensis*** Goodwin
Am. Mus. Novitates 1121: 1, June 9, 1941.
= *Peromyscus aztecus oaxacensis* Merriam. See Carleton, J. Mammal. 60: 295, May 29, 1979.
HOLOTYPE: **126742**. Skin and skull. Adult.
LOCALITY: Honduras: La Paz; Muya, 5 mi (8 km) N Chinacla, 3000–4000 ft (915–1220 m). February 24, 1937.
COLLECTOR: C. F. Underwood. Original number 1868.
CONDITION: Skin and skull complete.

***Peromyscus spicilegus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 9: 50, March 15, 1897.
HOLOTYPE: **8323/6657**. Skin and skull. Adult male.
LOCALITY: (Mexico): Jalisco; Mascota, Mineral San Sebastian. December 27, 1893.
COLLECTOR: A. C. Buller. Original number 11.
CONDITION: Skin complete. Skull partial (left zygomatic arch missing).

***Sitomys rowleyi*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 5: 76, April 28, 1893.
= *Peromyscus boylii rowleyi* (Allen). See Mearns, Proc. U.S. Natl. Mus. 18: 3, May 25, 1896 (preprint of 19: 139, December 21, 1896).
HOLOTYPE: **5070/3950**. Skin and skull. Adult female.
LOCALITY: (United States): Utah; (San Juan County), San Juan River, Nolan's Ranch. April 20, 1892.
COLLECTOR: C. P. Rowley. Original number 95.
CONDITION: Skin complete. Skull partial (left zygomatic arch missing).

***Sitomys rowleyi pinalis*** Miller
Bull. Am. Mus. Nat. Hist. 5: 331, December 16, 1893.
= *Peromyscus boylii rowleyi* (Allen). See Osgood, N. Am. Fauna 28: 145, April 17, 1909.
HOLOTYPE: **6818/5426**. Skin and skull. Adult male.
LOCALITY: (United States): New Mexico; (Grant County), Granite Gap. December 1, 1890.
COLLECTOR: A. W. Anthony. Original number 23 (338 in collection of Gerrit Miller).
CONDITION: Skin complete. Skull partial (right zygomatic arch missing).

***Peromyscus attwateri*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 7: 330, November 8, 1895.
HOLOTYPE: **10401/8712**. Skin and skull. Adult female.
LOCALITY: (United States): Texas; Kerr County, Turtle Creek. March 12, 1895.
COLLECTOR: H. P. Attwater. Original number 7.
CONDITION: Skin complete. Skull partial (left zygomatic arch and m3 missing).

***Sitomys martirensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 5: 187, August 18, 1893.
= *Peromyscus truei martirensis* (Allen). See Osgood, N. Am. Fauna 28: 171, April 17, 1909.
HOLOTYPE: **6315/4949**. Skin and skull. Adult female.
LOCALITY: (Mexico): Lower California (= Baja California); San Pedro Martir Mountains, 7000 ft (2135 m). May 8, 1893.
COLLECTOR: A. W. Anthony. Original number 20.
CONDITION: Skin and skull complete.

***Vesperimus nasutus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 3: 299, June 30, 1891.
= *Peromyscus nasutus* (Allen). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 734, 1993.
HOLOTYPE: **3397/2670**. Skin and skull. Adult male.

LOCALITY: (United States): Colorado; Larimer County, Estes Park. January 20, 1891.
COLLECTOR: W. G. Smith. Original number unknown.
CONDITION: Skin complete. Skull partial (posterior braincase and right zygomatic arch missing).

***Vesperimus difficilis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 3: 298, June 30, 1891.
= *Peromyscus difficilis* (Allen). See Trouessart, Catalogus mammalium tam viventium quam fossilium, nov. ed. 1: 518, 1897.
HOLOTYPE: **1994/1263**. Skin and skull. Adult male.
LOCALITY: Mexico: Zacatecas, Sierra de Valparaiso. July 27, 1889.
COLLECTOR: A. C. Buller. Original number 38.
CONDITION: Skin complete. Skull damaged (right orbit) and incomplete (right zygomatic arch missing).

***Peromyscus furvus*** J. A. Allen and Chapman
Bull. Am. Mus. Nat. Hist. 9: 201, June 16, 1897.
HOLOTYPE: **12450a/10769**. Skin and skull. Adult male.
LOCALITY: Mexico: Vera Cruz; Jalapa. April 2, 1897.
COLLECTOR: F. M. Chapman. Original number 1088.
CONDITION: Skin and skull complete.

***Peromyscus guatemalensis tropicalis*** Goodwin
Am. Mus. Novitates 560: 3, September 6, 1932.
= *Peromyscus mexicanus* (Saussure). See Huckaby, Contrib. Sci. Nat. Hist. Mus. Los Angeles Co. 326: 15, July 10, 1980.
HOLOTYPE: **79233**. Skin and skull. Adult female.
LOCALITY: (Guatemala): Chimoxan, 1500 ft (457.5 m). October 8, 1928.
COLLECTOR: A. W. Anthony. Original number 1091.
CONDITION: Skin and skull complete.

***Hesperomys (Vesperimus?) nudipes*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 3: 213, April 17, 1891.
= *Peromyscus mexicanus* (Saussure). See Huckaby, Contrib. Sci. Nat. Hist. Mus. Los Angeles Co. 326: 15, July 10, 1980.
HOLOTYPE: **3643/2798**. Alcohol, skull removed. Adult female.
LOCALITY: Costa Rica: Cartago; La Carpintera. October 1890.
COLLECTOR: G. K. Cherrie.
CONDITION: Skin complete. Skull partial (zygomatic arches and left orbital region missing; skull crushed and repaired according to Goodwin, 1953).

***Peromyscus nudipes orientalis*** Goodwin
Am. Mus. Novitates 987: 3, May 13, 1938.
= *Peromyscus mexicanus* (Saussure). See Huckaby, Contrib. Sci. Nat. Hist. Mus. Los Angeles Co. 326: 15, July 10, 1980.
HOLOTYPE: **123494**. Skin and skull. Adult male.
LOCALITY: Costa Rica: (Cartago); El Sauce Perálta, a farm near Perálta, 1000 ft (305 m). July 7, 1931.
COLLECTOR: C. F. Underwood. Original number 526.
CONDITION: Skin complete. Skull partial (jugals missing).

***Peromyscus nicaraguae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 24: 658, October 13, 1908.
= *Peromyscus mexicanus* (Saussure). See Huckaby, Contrib. Sci. Nat. Hist. Mus. Los Angeles Co. 326: 15, July 10, 1980.
HOLOTYPE: **28282**. Skin and skull. Adult male.
LOCALITY: Nicaragua: Matagalpa, 4000 ft (1220 m). March 10, 1907.
COLLECTOR: W. B. Richardson. Original number 20.
CONDITION: Skin complete. Skull damaged (right zygomatic arch broken).

***Peromyscus banderanus sloeops*** Goodwin
Am. Mus. Novitates 1732: 2, June 10, 1955.
= *Peromyscus mexicanus* (Saussure). See Huckaby, Contrib. Sci. Nat. Hist. Mus. Los Angeles Co. 326: 15, July 10, 1980.
HOLOTYPE: **166026**. Skin and skull. Adult male.
LOCALITY: Mexico: Oaxaca; Juchitán district, Rio Mono Blanco, (25 km NE Zanatepec, 3000 ft [915 m]). March 26, 1954.

COLLECTOR: T. MacDougall. Original number 1296.
CONDITION: Skin complete. Skull partial (basioccipital missing).

***Peromyscus banderanus coatlanensis*** Goodwin
Am. Mus. Novitates 1791: 7, September 28, 1956.
= *Peromyscus mexicanus* (Saussure). See Huckaby, Contrib. Sci. Nat. Hist. Mus. Los Angeles Co. 326: 15, July 10, 1980.
HOLOTYPE: **167453**. Skin and skull. Adult female.
LOCALITY: Mexico: Oaxaca; Tehuantepec district, Santiago Lachiquire (Agua Sarca, 7 km SW Coatlán, 3500 ft [1067.5 m]). December 10, 1954.
COLLECTOR: T. MacDougall. Original number 1390.
CONDITION: Skin and skull complete.

***Peromyscus megalops azulensis*** Goodwin
Am. Mus. Novitates 1791: 6, September 28, 1956.
= *Peromyscus mexicanus* (Saussure). See Huckaby, Contrib. Sci. Nat. Hist. Mus. Los Angeles Co. 326: 15, July 10, 1980.
HOLOTYPE: **171710**. Skin and skull. Adult male.
LOCALITY: (Mexico: Oaxaca); Juchitan, Cerro Azul, 7000 ft (2135 m). March 8, 1956.
COLLECTOR: T. MacDougall. Original number 1634.
CONDITION: Skin and skull complete.

***Peromyscus mexicanus putlaensis*** Goodwin
Am. Mus. Novitates 2183: 5, June 4, 1964.
HOLOTYPE: **189248**. Skin and skull. Adult male.
LOCALITY: (Mexico: Oaxaca); Putla district, San Vicente, 4000 ft (1220 m). January 8, 1962.
COLLECTOR: T. MacDougall. Original number 2312.
CONDITION: Skin and skull complete.

***Peromyscus grandis*** Goodwin
Am. Mus. Novitates 560: 4, September 16, 1932.
HOLOTYPE: **79341**. Skin and skull. Adult female.
LOCALITY: Guatemala: Alta Verapaz, Finca Concepcion, 3759 ft (1143.7 m). June 16, 1928.
COLLECTOR: A. W. Anthony. Original number 940.
CONDITION: Skin and skull complete.

***Peromyscus yucatanicus*** J. A. Allen and Chapman
Bull. Am. Mus. Nat. Hist. 9: 8, February 23, 1897.
HOLOTYPE: **12001/10434**. Skin and skull. Adult male.
LOCALITY: (Mexico): Yucatan; Chichén-Itza. March 17, 1896.
COLLECTOR: F. M. Chapman. Original number 1008.
CONDITION: Skin complete. Skull partial (zygomatic arches missing).

## Genus *NEUSTICOMYS* Anthony

***Neusticomys monticolus*** Anthony
Am. Mus. Novitates 20: 2, November 3, 1921.
HOLOTYPE: **46574**. Skin, skull, postcranial skeleton, and alcoholic parts. Adult female.
LOCALITY: Ecuador: Pinchincha; Nono Farm "San Francisco" near Quito, 10,500 ft (3050 m). February 16, 1916.
COLLECTOR: L. Söderström. Original number unknown.
CONDITION: Skin complete. Skull damaged. Postcranial skeleton partial.
COMMENT: See Voss (1988: 475) who calls attention to the discrepancy in altitude of the type locality.

***Daptomys venezuelae*** Anthony
Am. Mus. Novitates 383: 2, November 4, 1929.
= *Neusticomys venezuelae* (Anthony). See Voss, Bull. Am. Mus. Nat. Hist. 188: 339, November 16, 1988.
HOLOTYPE: **69907**. Skin and skull. Adult male.
LOCALITY: Venezuela: Sucre; Rio Neveri headwaters about 15 mi (24 km) W of Cumanacoa. March 8, 1925.
COLLECTOR: G. H. H. Tate. Original number 3267.
CONDITION: Skin complete. Skull partial (zygomatic arches missing).

## Genus *ICHTHYOMYS* Thomas

***Ichthyomys tweedii*** Anthony
Am. Mus. Novitates 20: 1, November 3, 1921.

HOLOTYPE: **47798**. Skin, skull, and postcranial skeleton. Adult male.
LOCALITY: Ecuador: El Oro; (Río Amarillo), Portovelo, 2000 ft (610 m). July 16, 1920.
COLLECTOR: H. E. Anthony. Original number 1664.
CONDITION: Skin complete. Skull partial (zygomatic arches missing). Postcranial skeleton partial.

***Ichthyomys orientalis*** Anthony
Am. Mus. Novitates 55: 7, January 31, 1923.
= *Ichthyomys stolzmanni orientalis* Anthony. See Voss, Bull. Am. Mus. Nat. Hist. 188: 328, November 16, 1988.
HOLOTYPE: **62382**. Skin and skull. Adult male.
LOCALITY: Ecuador: (Napo); Near Río Napo, about 3000 ft (915 m). September 15, 1921.
COLLECTOR: L. Söderström. Original number unknown.
CONDITION: Skin complete. Skull partial (jugals missing).

## Genus ***RHEOMYS*** Thomas

***Rheomys (Neorheomys) mexicanus*** Goodwin
Am. Mus. Novitates 1967: 4, October 29, 1959.
= *Rheomys mexicanus* Goodwin. See Voss, Bull. Am. Mus. Nat. Hist. 188: 347, November 16, 1988.
HOLOTYPE: **179970**. Skin, skull, postcranial skeleton, and parts in alcohol. Adult female.
LOCALITY: Mexico: Oaxaca; Miahuatlan, San Jose Lachiguiri, 4000 ft (1220 m). May 15, 1958.
COLLECTOR: T. MacDougall. Original number unknown.
CONDITION: Skin complete but patches of fur missing. Skull complete. Postcranial skeleton partial.

## Genus ***THOMASOMYS*** Coues

***Thomasomys aureus altorum*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 33: 200, February 28, 1914.
= *Thomasomys aureus aureus* (Tomes). See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(2): 425, August 25, 1961.
HOLOTYPE: **36280**. Skin and skull. Adult male.
LOCALITY: Ecuador: (Pichincha); Pichincha, 11,000 ft (3355 m). June 15, 1913.
COLLECTOR: W. B. Richardson. Original number 174.
CONDITION: Skin complete. Skull damaged (part of left frontal and lower incisors broken).
COMMENT: There are two summits, Guaga Pichincha and Rucu Pichincha, both over 15,000 ft. It is unclear where Richardson collected.

***Thomasomys popayanus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 31: 81, April 19, 1912.
= *Thomasomys aureus popayanus* Allen. See Gyldenstolpe, K. Svenska Vetensk, Akad. Handl., ser. 3, 11(3): 51, 1933.
HOLOTYPE: **32371**. Skin and skull. Adult male.
LOCALITY: Colombia: Cauca; (Páramo 103), (40 mi [62 km]) W Popayan, 10,340 ft (3153.7 m). July 17, 1911.
COLLECTOR: L. E. Miller. Original number 282.
CONDITION: Skin and skull complete.

***Thomasomys auricularis*** Anthony
Am. Mus. Novitates 55: 6, fig. 2B, January 31, 1923.
= *Thomasomys pyrrhonotus auricularis* Anthony. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(2): 433, August 25, 1961.
HOLOTYPE: **47697**. Skin and skull. Adult male.
LOCALITY: Ecuador: (El Oro); Taraguacocha, 10250 ft (3126 m). August 26, 1920.
COLLECTOR: H. E. Anthony. Original number 1945.
CONDITION: Skin and skull complete.

***Thomasomys cinereiventer*** J. A. Allen
Bull. Am. Mus. Nat. Hist.31: 80, April 19, 1912.
= *Thomasomys cinereiventer cinereiventer* Allen. See Gyldenstolpe, K. Svenska Vetensk, Akad. Handl., ser. 3, 11 (3): 53, 1933.
HOLOTYPE: **32436**. Skin and skull. Adult male.
LOCALITY: Colombia: Cauca; (Páramo 103), (40 mi [64 km]) W Popayán, 10,340 ft (3153.7 m). July 14, 1911.

COLLECTOR: L. E. Miller. Original number 256.
CONDITION: Skin and skull complete.

***Thomasomys cinereiventer dispar*** Anthony
Am. Mus. Novitates 178: 2, June 22, 1925.
HOLOTYPE: **33761**. Skin and skull. Adult male.
LOCALITY: Colombia: Huila; Andalucía, 7000 ft (2135 m). June 1, 1912.
COLLECTOR: L. E. Miller. Original number 797.
CONDITION: Skin complete. Skull partial (right zygomatic arch missing).

***Thomasomys cinereiventer contradictus*** Anthony
Am. Mus. Novitates 178: 3, June 22, 1925.
HOLOTYPE: **32955**. Skin and skull. Adult male.
LOCALITY: Colombia: Quindio Andes (= Risaralda); Santa Isabel, 12,700 ft (3873.5 m). September 20, 1911.
COLLECTOR: L. E. Miller. Original number 340.
CONDITION: Skin complete but with torn venter. Skull intact.

***Thomasomys erro*** Anthony
Am. Mus. Novitates 240: 5, December 4, 1926.
= *Thomasomys cinereiventer erro* Anthony. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(2): 427, August 25, 1961.
HOLOTYPE: **68195**. Skin and skull. Adult male.
LOCALITY: Ecuador: (Napo); Sumaco Arriba (= Volcán Sumaco), between 8000 ft (2440 m) and 9000 ft (2745 m). June 10, 1924.
COLLECTOR: Olalla and Sons. Original number unknown.
CONDITION: Skin complete. Skull partial (basioccipital and zygomatic arches missing).

***Thomasomys bombycinus*** Anthony
Am. Mus. Novitates 178: 1, June 22, 1925.
HOLOTYPE: **37740**. Skin and skull. Adult female.
LOCALITY: Colombia: Antioquia; Paramillo, 12,500 ft (3812.5 m). January 30, 1915.
COLLECTOR: L. E. Miller and H. S. Boyle. Original number 1649.
CONDITION: Skin and skull complete.

***Thomasomys oreas*** Anthony
Am. Mus. Novitates 239: 2, December 4, 1926.
HOLOTYPE: **72130**. Skin and skull. Adult male.
LOCALITY: Bolivia: (La Paz): Cocopunco, 10,000 ft (3050 m). March 26, 1926.
COLLECTOR: G. H. H. Tate. Original number 3891.
CONDITION: Skin and skull complete.

***Thomasomys ladewi*** Anthony
Am. Mus. Novitates 239: 1, December 4, 1926.
HOLOTYPE: **72113**. Skin and skull. Adult female.
LOCALITY: Bolivia: (La Paz); Río Aceramarca (= Río Aceromarca), 10,800 ft (3294 m). May 27, 1926.
COLLECTOR: G. H. H. Tate. Original number 4240.
CONDITION: Skin and skull complete.

***Thomasomys caudivarius*** Anthony
Am. Mus. Novitates 55: 4, January 31, 1923.
= *Thomasomys cinereus caudivarius* Anthony. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(2): 427, August 25, 1961.
HOLOTYPE: **47668**. Skin and skull. Adult male.
LOCALITY: Ecuador: (El Oro); Taraguacocha, paramo 1000 ft (305 m) above camp, 10,750 ft (3278.5 m). August 23, 1920.
COLLECTOR: H. E. Anthony. Original number 1927.
CONDITION: Skin and skull complete.

***Thomasomys silvestris*** Anthony
Am. Mus. Novitates 114: 2, May 29, 1924.
HOLOTYPE: **66288**. Skin and skull. Adult male.
LOCALITY: Ecuador: (Pichincha); Las Maquinas, Santo Domingo trail, W of Corazón, 7000 ft (2135 m). September 23, 1923.
COLLECTOR: H. E. Anthony. Original number 2777.
CONDITION: Skin and skull complete.

***Thomasomys rhoadsi fumeus*** Anthony
Am. Mus. Novitates 139: 6, October 20, 1924.
HOLOTYPE: **67537**. Skin and skull. Adult female.
LOCALITY: Ecuador: (Tungurahua); Hacienda San Francisco, east of Ambato, 8000 ft (2440 m). January 14, 1924.

COLLECTOR: G. H. H. Tate. Original number 2701.
CONDITION: Skin and skull complete.

***Thomasomys cinnameus*** Anthony
Am. Mus. Novitates 139: 5, October 20, 1924.
= *Thomasomys gracilis cinnameus* Anthony. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(2): 429, August 25, 1961.
HOLOTYPE: **67401**. Skin, skull, and carcass in alcohol. Adult female.
LOCALITY: Ecuador: (Tungurahua); Hacienda San Francisco, E of Ambato, 8000 ft (2440 m). January 15, 1924.
COLLECTOR: G. H. H. Tate. Original number 2710.
CONDITION: Skin and skull complete. Carcass partial.

***Thomasomys hudsoni*** Anthony
Am. Mus. Novitates 55: 3, January 31, 1923.
= *Thomasomys gracilis hudsoni* Anthony. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(2): 429, August 25, 1961.
HOLOTYPE: **47690**. Skin and skull. Adult male.
LOCALITY: Ecuador: (Azuay); Bestion, 10,100 ft (3080.5 m). January 13, 1921.
COLLECTOR: H. E. Anthony. Original number 2523.
CONDITION: Skin and skull complete.

***Thomasomys daphne australis*** Anthony
Am. Mus. Novitates 178: 4, June 22, 1925.
HOLOTYPE: **38550**. Skin and skull. Adult male.
LOCALITY: Bolivia: Cochabamba; Incachaca, 7700 ft (2348.5 m). May 16, 1915.
COLLECTOR: L. E. Miller and H. S. Boyle. Original number 1731.
CONDITION: Skin and skull complete.

## Genus ***AEPEOMYS*** Thomas

***Thomasomys ottleyi*** Anthony
Am. Mus. Novitates 548: 1, July 8, 1932.
= *Aepeomys lugens* Thomas. See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 688, 1993.
HOLOTYPE: **96169**. Skin and skull. Adult male.
LOCALITY: Venezuela: (Mérida); Páramo de los Conejos (= Páramo Conejos), 15 mi (24 km) N Mérida, 9600 ft (2928 m). February 7, 1932.
COLLECTOR: H. E. Anthony. Original number 3420.
CONDITION: Skin and skull complete.

***Aepeomys fuscatus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 31: 89, April 19, 1912.
HOLOTYPE: **32230**. Skin and skull. Adult female.
LOCALITY: Colombia: (Valle del) Cauca; San Antonio, near Cali, 7000 ft (2135 m). January 21, 1911.
COLLECTOR: W. B. Richardson. Original number 68.
CONDITION: Skin complete. Skull partial (right dentary missing).

## Genus ***WIEDOMYS*** Hershkovitz

***Mus pyrrhorhinos*** (Wied)
*In* G. L. C. F. Cuvier, Das Thierreich eingehelt nach dem Bau der Thiere 1: 288, 1821.
= *Wiedomys pyrrhorhinos* (Wied). See Hershkovitz, Proc. Biol. Soc. Washington 72: 5, 1959.
HOLOTYPE: **574**. Skin, formerly mounted, without skull.
LOCALITY: Brazil: Bahia; (caatingas along Riacho de Ressaca between farms Tamboril and Ilha). 1815–1817.
COLLECTOR: Maximilian Wied-Neuwied. Original number unknown.
CONDITION: Skin partial (tail missing) and faded.
COMMENT: The species name has frequently been misspelled as "*pyrrhorhinus*" Hershkovitz (1959).

## Genus ***RHIPIDOMYS*** Tschudi

***Rhipidomys similis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 31: 79, April 19, 1912.
= *Rhipidomys venustus* Thomas. See Comment.
HOLOTYPE: **32458**. Skin and skull. Adult male.
LOCALITY: Colombia: Cauca; Cocal, 6000 ft (1830 m). June 17, 1911.
COLLECTOR: L. E. Miller. Original number 177.

CONDITION: Skin and skull complete.
COMMENT: Usually treated as a subspecies of *Rhipidomys latimanus* (see Cabrera, 1961), the arrangement of *similis* here is based on Musser's notes (in files at AMNH), made during a visit to the British Museum (Nat. Hist.), that *similis* is the same as *venustus*.

***Rhipidomys quindianus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 32: 600, December 3, 1913.
= *Rhipidomys venustus* Thomas. See Comment.
HOLOTYPE: **32970**. Skin and skull. Juvenile male.
LOCALITY: Colombia: Quindio Andes (Cundinimarca); El Roble, 7200 ft (2196 m). November 9, 1911.
COLLECTOR: L. E. Miller. Original number 481.
CONDITION: Skin and skull complete.
COMMENT: The allocation of *quindianus* to *venustus* is based on Musser's examination of types at the British Museum (Nat. Hist.) and American Museum of Natural History (ms in files at AMNH). Tate (1939: 195) noted that the type of *quindianus* was a young *similis*.

***Oryzomys tenuicauda*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 12: 211, December 20, 1899.
= *Rhipidomys fulviventer* Thomas. See Musser and Williams, Am. Mus. Novitates 2810: 4, February 20, 1985.
HOLOTYPE: **14737**. Skin and skull. Adult male.
LOCALITY: Venezuela: (Sucre); Los Palmales. December 5, 1898.
COLLECTOR: F. W. Urich. Original number 51.
CONDITION: Skin partial (tail tip missing). Skull complete.

***Rhipidomys ochrogaster*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 14: 43, January 31, 1901.
HOLOTYPE: **16481**. Skin and skull. Adult female.
LOCALITY: Peru: (Puno); Inca Mine (= Santo Domingo), 6000 ft (1830 m). September 14, 1900.
COLLECTOR: H. H. Keays. Original number 116.
CONDITION: Skin and skull complete.

***Tylomys couesi*** J. A. Allen and Chapman
Bull. Am. Mus. Nat. Hist. 5: 211, September 21, 1893.
= *Rhipidomys couesi* (Allen and Chapman). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 744, 1993.
HOLOTYPE: **5956/4685**. Skin and skull. Adult male.
LOCALITY: (Trinidad and Tobago): Trinidad; Princestown (= Prince's Town). April 6, 1893.
COLLECTOR: F. M. Chapman. Original number 557.
CONDITION: Skin and skull complete.

***Rhipidomys cocalensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 31: 79, April 19, 1912.
= *Rhipidomys latimanus* (Tomes). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 744, 1993.
HOLOTYPE: **32376**. Skin and skull. Adult female.
LOCALITY: Colombia: Cauca; Cocal, 4000 ft (1220 m). June 14, 1911.
COLLECTOR: L. E. Miller. Original number 152.
CONDITION: Skin complete. Skull partial (left zygomatic arch missing).

***Rhipidomys mollissimus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 31: 78, April 19, 1912.
= *Rhipidomys latimanus mollissimus* Allen. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(2): 420, August 25, 1961.
HOLOTYPE: **32243**. Skin and skull. Adult female.
LOCALITY: Colombia: (Valle del) Cauca; Mira Flores (= Miraflores) NE of Palmira, 6200 ft (1891 m). April 30, 1911.
COLLECTOR: L. E. Miller. Original number 23.
CONDITION: Skin and skull complete.

***Rhipidomys venezuelae yuruanus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 32: 601, December 3, 1913.
= *Rhipidomys mastacalis* (Lund). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonmic and geographic reference, 2nd ed., p. 745, 1993.
HOLOTYPE: **30735**. Skin and skull. Adult male.
LOCALITY: Venezuela: (Bolívar); Río Yuruán, (tributary of Río Cuyuni). March 29, 1910.
COLLECTOR: M. A. Carriker, Jr. Original number 6863.
CONDITION: Skin and skull complete.

***Oecomys emiliae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 35: 525, July 24, 1916.
= *Rhipidomys mastacalis* (Lund). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 745, 1993.
HOLOTYPE: **37495**. Skin only. Adult male.
LOCALITY: Brazil: (Pará); Rio Moju. February 28, 1914.
COLLECTOR: Not known. Museu Goeldi number S14.
CONDITION: Skin complete, with bald spots.

***Rhipidomys milleri*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 32: 602, December 3, 1913.
= *Rhipidomys nitela* Thomas. See Tate, Bull. Am. Mus. Nat. Hist. 76: 196, October 20, 1939.
HOLOTYPE: **36332**. Skin and skull. Adult male.
LOCALITY: British Guiana (= Guyana): Minnehaha Creek, (lower Essequibo River). August 31, 1913.
COLLECTOR: L. E. Miller. Original number 132.
CONDITION: Skin complete, with bald spots. Skull partial (right zygomatic arch and left M3 missing).

***Rhipidomys nitela tobagi*** Goodwin
Am. Mus. Novitates 2070: 16, December 29, 1961.
HOLOTYPE: **184555**. Body in alcohol, skull extracted. Adult male.
LOCALITY: British West Indies (= Trinidad and Tobago): Little Tobago. February 23 to March 19, 1958.
COLLECTOR: E. T. Gilliard. Original number unknown.
CONDITION: Alcoholic (partly decomposed, only a few patches of fur present), skull removed.

***Rhipidomys caucensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 32: 601, December 3, 1913.
HOLOTYPE: **32466**. Skin and skull. Adult female.
LOCALITY: Colombia: Cauca; Munchique (= Cerro Munchique), 8225 ft (2508.6 m). May 24, 1911.
COLLECTOR: L. E. Miller. Original number 40.
CONDITION: Skin and skull complete.

***Thomasomys macconnelli subnubis*** Tate
Bull. Am. Mus. Nat. Hist. 76: 195, October 20, 1939.
= *Rhipidomys macconnelli* De Winton. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(2): 422, August 25, 1961.
HOLOTYPE: **131154**. Skin and skull. Subadult female.
LOCALITY: Venezuela: (Bolívar); Auyán-Tepuí, 1100 m. February 1, 1938.
COLLECTOR: G. H. H. Tate (PVE). Original number 5582.
CONDITION: Skin and skull complete.

## Genus ***OECOMYS*** Thomas

***Oecomys florenciae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 35: 524, July 24, 1916.
= *Oecomys bicolor* Thomas. See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 716, 1993.
HOLOTYPE: **33863**. Skin only. Adult female.
LOCALITY: Colombia: Caquetá; Florencia, 675 ft (205.8 m). June 25, 1912.

COLLECTOR: L. E. Miller (RBE). Original number 827.
CONDITION: Skin complete, with bald spots.

***Oecomys milleri*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 35: 523, July 24, 1916.
= *Oecomys bicolor* Thomas. See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 716, 1993.
HOLOTYPE: **37117**. Skin and skull. Adult male.
LOCALITY: Brazil: (Rondônia); Baron Melgaço (= Baraao de Melgaço). March 5, 1914.
COLLECTOR: L. E. Miller (RBE). Original number 325.
CONDITION: Skin complete. Skull damaged and partial (posterior braincase separate; right M1 and M3, left M3, right m1–3, and left m3 missing).

***Oecomys phelpsi*** Tate
Bull. Am. Mus. Nat. Hist. 76: 194, October 20, 1939.
= *Oecomys bicolor* Thomas. See Musser and Patton, Am. Mus. Novitates 2961: 6, November 29, 1989.
HOLOTYPE: **131164**. Skin and skull. Adult female.
LOCALITY: Venezuela: (Bolívar); Mount Auyan-tepui, 3500 ft (1067.5 m). February 10, 1938.
COLLECTOR: G. H. H. Tate. Original number 5692.
CONDITION: Skin complete, with bald spots. Skull complete.
COMMENT: An account of the reassociation of the skin with the cranium and mandible was provided by Musser and Patton (1989).

***Oecomys rutilus*** Anthony
Am. Mus. Novitates 19: 4, October 26, 1921.
HOLOTYPE: **42910**. Skin and skull. Adult female.
LOCALITY: British Guiana (Guyana): Kartabo. June 27, 1920.
COLLECTOR: W. Beebe. Original number 419.
CONDITION: Skin complete. Skull partial (right zygomatic arch missing).

***Oryzomys speciosus*** J. A. Allen and Chapman
Bull. Am. Mus. Nat. Hist. 5: 212, September 12, 1893.
= *Oecomys speciosus* (Allen and Chapman). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 716, 1993.
HOLOTYPE: **5942/4672**. Skin and skull. Adult female.
LOCALITY: (Trinidad and Tobago): Trinidad; Princestown (= Prince's Town). April 26, 1893.
COLLECTOR: F. M. Chapman. Original number 644.
CONDITION: Skin complete. Skull partial (right auditory bulla missing).

***Oecomys caicarae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 32: 603, December 3, 1913.
= *Oecomys speciosus* (Allen and Chapman). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 716, 1993.
HOLOTYPE: **29875**. Skin and skull. Adult female.
LOCALITY: Venezuela: (Bolívar); Río Orinoco, Caicara. June 26, 1907.
COLLECTOR: G. K. Cherrie. Original number 15017. Brooklyn Institute Museum number 1013.
CONDITION: Skin complete. Skull missing (see Goodwin, 1953: 373).

***Oryzomys trichurus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 12: 206, December 20, 1899.
= *Oecomys speciosus* (Allen and Chapman). See Musser and Williams, Am. Mus. Novitates 2810: 4, February 20, 1985.
HOLOTYPE: **15328**. Skin and skull. Adult male.
LOCALITY: Colombia: (Magdalena); El Líbano Plantation (near Bonda), 500 ft (152.5 m). June 29, 1899.
COLLECTOR: Mrs. H. H. Smith (JSM). Original number 766.
CONDITION: Skin and skull complete.

***Oecomys mincae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 32: 603, December 3, 1913.

= *Oecomys flavicans* Thomas. See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 716, 1993.
HOLOTYPE: **15332**. Skin only. Adult female.
LOCALITY: Colombia: (Magdalena); Minca, 2000 ft (610 m). June 13, 1899.
COLLECTOR: Mrs. H. H. Smith (JSM). Original number 633.
CONDITION: Skin complete.

***Oryzomys trinitatis*** J. A. Allen and Chapman
Bull. Am. Mus. Nat. Hist. 5: 213, September 21, 1893.
= *Oecomys trinitatis* (Allen and Chapman). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 716, 1993.
HOLOTYPE: **5943/4673**. Skin and skull. Adult male.
LOCALITY: (Trinidad and Tobago): Trinidad; Princestown (= Prince's Town). April 25, 1893.
COLLECTOR: F. M. Chapman. Original number 641.
CONDITION: Skin partial (right hind leg missing). Skull partial (mandible and most of braincase missing, left M2 missing).

***Oryzomys palmarius*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 12: 210, December 20, 1899.
= *Oecomys trinitatis* (Allen and Chapman). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 716, 1993.
HOLOTYPE: **14733**. Skin and skull. Adult male.
LOCALITY: Venezuela: (Sucre); Quebrada Secca (= Villarroel). December 10, 1898.
COLLECTOR: F. W. Urich. Original number 72.
CONDITION: Skin and skull complete.

***Oryzomys fulviventer*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 12: 212, December 20, 1899.
= *Oecomys trinitatis* (Allen and Chapman). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 716, 1993.
HOLOTYPE: **14735**. Skin and skull. Adult female.
LOCALITY: Venezuela: (Sucre); Quebrada Secca (= Villarroel). November 23, 1898.
COLLECTOR: F. W. Urich. Original number 8.
CONDITION: Skin complete. Skull intact except for missing right M2.

***Oryzomys helvolus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 32: 597, December 3, 1913.
= *Oecomys trinitatis* (Allen and Chapman). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 716, 1993.
HOLOTYPE: **34578**. Skin and skull. Adult male.
LOCALITY: Colombia: (Meta); base of Eastern Andes, Villavicencio, 1600 ft (488 m). March 15, 1913.
COLLECTOR: G. M. O'Connell (C-CE). Original number 60.
CONDITION: Skin and skull complete.

***Oryzomys vicencianus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 32: 598, December 3, 1913.
= *Oecomys trinitatis* (Allen and Chapman). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 716, 1993.
HOLOTYPE: **34584**. Skin and skull. Young adult male.
LOCALITY: Colombia: (Meta); Base of Eastern Andes, Villavicencio, 1600 ft (488 m). March 12, 1913.
COLLECTOR: G. M. O'Connell (C-CE). Original number 47.
CONDITION: Skin complete. Skull partial (left auditory bulla missing).

***Oryzomys klagesi*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 327, October 8, 1904.
= *Oecomys trinitatis* (Allen and Chapman). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 716, 1993.

HOLOTYPE: **16966**. Skin and skull. Adult male.
LOCALITY: Venezuela: (Bolívar); El Llagual (= El Yagual). February 19, 1910.
COLLECTOR: S. M. Klages. Original number 232.
CONDITION: Skin and skull complete.

***Oecomys auyantepui*** Tate
Bull. Am. Mus. Nat. Hist. 76: 193, October 20, 1939.
= *Oecomys paricola* (Thomas). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 716, 1993.
HOLOTYPE: **131156**. Skin and skull. Adult male.
LOCALITY: (Venezuela): (Bolívar); (south slope) Mount Auyan-tepui, 1100 m. February 9, 1938.
COLLECTOR: G. H. H. Tate. Original number 5635.
CONDITION: Skin and skull comlete.

***Oryzomys melleus*** Anthony
Am. Mus. Novitates 139: 4, October 20, 1924.
= *Oecomys superans* Thomas. See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 716, 1993.
HOLOTYPE: **36560**. Skin and skull. Adult female.
LOCALITY: Ecuador: (Zamora-Chinchipe); Zamora, 3250 ft (991 m). October 25, 1913.
COLLECTOR: W. B. Richardson. Original number 122.
CONDITION: Skin and skull complete.

## Genus ***MICRORYZOMYS*** Thomas

***Oryzomys (Oligoryzomys) fulvirostris*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 31: 86, April 19, 1912.
= *Microryzomys minutus* (Tomes). See Carleton and Musser, Bull. Am. Mus. Nat. Hist. 191: 65, December 28, 1989.
HOLOTYPE: **32567**. Skin and skull. Adult female.
LOCALITY: Colombia: Cauca; Munchique (= Cerro Munchique), 8325 ft (2539 m). May 29, 1911.
COLLECTOR: L. E. Miller. Original number 78.
CONDITION: Skin complete. Skull intact except for missing right M2, left M1, and left m1 and m2.

## Genus ***OLIGORYZOMYS*** Bangs

***Oryzomys costaricensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 5: 239, September 22, 1893.
= *Oligoryzomys fulvescens* (Saussure). See Carleton and Musser, Bull. Am. Mus. Nat. Hist. 191: 70, December 28, 1989.
HOLOTYPE: **9581/7922**. Skin and skull. Young adult female.
LOCALITY: Costa Rica: Puntarenas; El General (= General Viejo), 2150 ft (655.7 m). February 1891.
COLLECTOR: H. Pittier. Costa Rica number 508.
CONDITION: Skin and skull complete.
COMMENT: Original entry in ledger catalog indicates Costa Rica number 508 (AMNH 7922) skull accompanies AMNH 9581 skin. Allen (1893) incorrectly listed AMNH 7923 as skull. Goodwin (1953) was indefinite although the skull had been identified, and the entry in the original catalog is clear.

***Oryzomys (Oligoryzomys) nicaraguae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 28: 100, April 30, 1910.
= *Oligoryzomys fulvescens* (Saussure). See Carleton and Musser, Bull. Am. Mus. Nat. Hist. 191: 70, December 28, 1989.
HOLOTYPE: **29543**. Skin and skull. Adult male.
LOCALITY: Nicaragua: Vijagua. March 24, 1909.
COLLECTOR: W. B. Richardson. Original number 509.
CONDITION: Skin and skull complete.

***Oryzomys fulvescens creper*** Goodwin
Am. Mus. Novitates 1293: 2, July 20, 1945.
= *Oligoryzomys fulvescens* (Saussure). See Carleton and Musser, Bull. Am. Mus. Nat. Hist. 191: 70, December 28, 1989.
HOLOTYPE: **141199**. Skin and skull. Adult male.
LOCALITY: Costa Rica: Cartago; (Volcán) Irazú, 9400 ft (2867 m). August 15, 1941.

COLLECTOR: C. F. Underwood. Original number 3951.
CONDITION: Skin and skull complete.

***Oryzomys fulvescens reventazoni*** Goodwin
Am. Mus. Novitates 1293: 3, July 20, 1945.
= *Oligoryzomys fulvescens* (Saussure). See Carleton and Musser, Bull. Am. Mus. Nat. Hist. 191: 70, December 28, 1989.
HOLOTYPE: **141891**. Skin and skull. Adult male.
LOCALITY: Costa Rica: (Cartago); Santa Teresa (above) Peralta, 3100 ft (945.5 m). February 8, 1942.
COLLECTOR: C. F. Underwood. Original number 4164.
CONDITION: Skin and skull complete.

***Oryzomys delicatus*** J. A. Allen and Chapman.
Bull. Am. Mus. Nat. Hist. 9: 19, February 26, 1897.
= *Oligoryzomys fulvescens* (Saussure). See Carleton and Musser, Bull. Am. Mus. Nat. Hist. 191: 70, December 28, 1989.
HOLOTYPE: **7317/5925**. Skin and skull. Adult male.
LOCALITY: (Trinidad and Tobago): Trinidad; Caparo. March 20, 1894.
COLLECTOR: F. M. Chapman. Original number 735.
CONDITION: Skin partial (head and tail missing). Skull incomplete (left side of rostrum missing).

***Oryzomys tenuipes*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 328, October 8, 1904.
= *Oligoryzomys fulvescens* (Saussure). See Carleton and Musser, Bull. Am. Mus. Nat. Hist. 191: 70, December 28, 1989.
HOLOTYPE: **21330**. Skin and skull. Adult female.
LOCALITY: Venezuela: (Mérida); Mérida, 1630 m. February 14, 1903.
COLLECTOR: S. B. Gabaldon. Original number 33.
CONDITION: Skin complete, with bald spots. Skull complete.

***Oryzomys (Oligoryzomys) munchiquensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 31: 85, April 19, 1012.
= *Oligoryzomys fulvescens* (Saussure). See Carleton and Musser, Bull. Am. Mus. Nat. Hist. 191: 70, December 28, 1989.
HOLOTYPE: **32603**. Skin and skull. Adult female.
LOCALITY: Colombia: Cauca; La Florida, 7700 (2348.5 m). July 8, 1911.
COLLECTOR: L. E. Miller. Original number 223.
CONDITION: Skin incomplete (left hind limb missing). Skull complete.

***Oryzomys (Oligoryzomys) microtis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 35: 525, July 24, 1916.
= *Oligoryzomys microtis* (Allen). See Carleton and Musser, Bull. Am. Mus. Nat. Hist. 191: 71, December 28, 1989.
HOLOTYPE: **37091**. Skin and skull. Adult male.
LOCALITY: Brazil: (Amazonas); Lower Rio Solimoens (= Solimaaes). April 29, 1914.
COLLECTOR: L. E. Miller (RBE). Original number 404.
CONDITION: Skin complete. Skull partial (left zygomatic arch missing).

***Oryzomys (Oligoryzomys) mattogrossae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 35: 528, July 24, 1916.
= *Oligoryzomys microtis* (Allen). See Carleton and Musser, Bull. Am. Mus. Nat. Hist. 191: 71, December 28, 1989.
HOLOTYPE: **37542**. Skin and skull. Adult male.
LOCALITY: Brazil: Mato Grosso; Utiarity (= Utiariti), Papagaio River (= Rio Sauêruiná). January 31, 1914.
COLLECTOR: L. E. Miller (RBE). Original number 287.
CONDITION: Skin complete. Skull partial (nasals, basal region of braincase, and zygomatic arches missing).

***Oryzomys (Oligoryzomys) utiaritensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 35: 527, July 24, 1916.
= *Oligoryzomys eliurus* Wagner. See Carleton and Musser, Bull. Am. Mus. Nat. Hist. 191: 73, December 28, 1989.

HOLOTYPE: **37541**. Skin and skull. Adult female.
LOCALITY: Brazil: Mato Grosso; Utiarity (= Utiariti), Rio Papagaio (= Rio Sauêruiná), between 1500 and 2500 ft (457.5–762.5 m). January 30, 1914.
COLLECTOR: L. E. Miller (RBE). Original number 279.
CONDITION: Skin complete. Skull partial (right jugals, left M1–M3, and right M1 missing).

### Genus *NEACOMYS* Thomas

***Neacomys pusillus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 31: 81, April 19, 1912.
= *Neacomys tenuipes* Thomas. See Lawrence, J. Mammal. 22: 425, November 14, 1941.
HOLOTYPE: **31695**. Skin and skull. Adult male.
LOCALITY: Colombia: (Valle del) Cauca; San José, 200 ft (61 m). December 9, 1910.
COLLECTOR: W. B. Richardson. Original number 40.
CONDITION: Skin and skull complete.

### Genus *SCOLOMYS* Anthony

***Scolomys melanops*** Anthony
Am. Mus. Novitates 139: 2, October 20, 1924.
HOLOTYPE: **67524**. Skin and skull. Adult female.
LOCALITY: Ecuador: (Pastaza); Mera, 3800 ft (1159 m). March 3, 1924.
COLLECTOR: G. H. H. Tate. Original number 2919.
CONDITION: Skin and skull complete.

### Genus *ORYZOMYS* Baird

***Oryzomys palustris natator*** Chapman
Bull. Am. Mus. Nat. Hist. 5: 44, March 17, 1893.
HOLOTYPE: **1813/1089**. Skin and skull. Adult male.
LOCALITY: (United States): Florida; (Alachua County), Gainesville. January 31, 1889.
COLLECTOR: F. M. Chapman. Original number 115.
CONDITION: Skin complete. Skull partial (zygomatic arches missing).

***Oryzomys palustris texensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 6: 177, May 31, 1894.
= *Oryzomys palustris palustris* (Harlan). See Humphrey and Setzer, J. Mammal. 70 (3): 557–570, August 18, 1989.
HOLOTYPE: **7166/5764**. Skin and skull. Adult male.
LOCALITY: (United States): Texas; (Aransas County), Rockport. November 15, 1893.
COLLECTOR: H. P. Attwater. Original number 81.
CONDITION: Skin and skull complete.

***Oryzomys jalapae*** J. A. Allen and Chapman
Bull. Am. Mus. Nat. Hist. 9: 206, June 16, 1897.
= *Oryzomys couesi* (Alston). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 721, 1993.
HOLOTYPE: **12551/10861**. Skin and skull. Adult male.
LOCALITY: Mexico: Vera Cruz; Jalapa. April 16, 1897.
COLLECTOR: F. M. Chapman. Original number 1262.
CONDITION: Skin complete. Skull partial (left zygomatic arch and left M3 and m3 missing).

***Oryzomys richardsoni*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 28: 99, April 30, 1910.
= *Oryzomys couesi* (Alston). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 721, 1993.
HOLOTYPE: **29800**. Skin and skull. Young adult male.
LOCALITY: Nicaragua: Peña Blanca. May 26, 1909.
COLLECTOR: W. B. Richardson. Original number 546.
CONDITION: Skin missing (September 1991). Skull damaged (right auditory bulla and left part of rostrum crushed).

***Oryzomys mexicanus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 9: 52, March 15, 1897.

= *Oryzomys couesi* (Alston). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 721, 1993.
HOLOTYPE: **2650/2128**. Skin and skull. Adult male.
LOCALITY: Mexico: Jalisco; Tonila, Hacienda San Marcos, 3500 ft (1067.5 m). December 30, 1889.
COLLECTOR: A. C. Buller. Original number 122.
CONDITION: Skin complete. Skull damaged and badly repaired, right zygomatic arch missing.

***Oryzomys bulleri*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 9: 53, March 15, 1897.
= *Oryzomys couesi* (Alston). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 721, 1993.
HOLOTYPE: **8329/6663**. Skin and skull. Young adult male.
LOCALITY: Mexico: (Nayarit); Territory of Tepic, Valle de Banderas. February 18, 1893.
COLLECTOR: A. C. Buller. Original number 8.
CONDITION: Skin and skull complete.

***Oryzomys aquaticus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 3: 289, June 30, 1891.
= *Oryzomys couesi* (Alston). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 721, 1993.
HOLOTYPE: **3411/2684**. Skin and skull. Adult male.
LOCALITY: (United States): Texas; (Cameron County), Brownsville. March 6, 1891.
COLLECTOR: F. B. Armstrong. Original number 729.
CONDITION: Skin complete. Skull partial (occiput and basiocciput missing).

***Hesperomys (Oryzomys) alfaroi*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 3: 214, April 17, 1891.
= *Oryzomys alfaroi alfaroi* (Allen). See Goldman, N. Am. Fauna 43: 59, September 23, 1918.
HOLOTYPE: **3659/2808**. Skin and skull. Young adult female.
LOCALITY: Costa Rica: San Carlos. December 1888.
COLLECTOR: A. Alfaro. Mus. Nac. Costa Rica number 353.
CONDITION: Skin missing (September 1990). Skull partial (region posterior to zygomatic arches missing).

***Oryzomys alfaroi incertus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 24: 655, October 13, 1908.
= *Oryzomys alfaroi alfaroi* (Allen). See Goldman, N. Am. Fauna 43: 59, September 23, 1918.
HOLOTYPE: **28584**. Skin and skull. Young adult male.
LOCALITY: Nicaragua: (Zelaya); Río Grande. March 28, 1908.
COLLECTOR: W. B. Richardson. Original number 228.
CONDITION: Skin complete. Skull partial (auditory bullae, parietals, and all upper cheekteeth except left M1 missing).

***Oryzomys alfaroi agrestis*** Goodwin
Am. Mus. Novitates 1967: 7, October 29, 1959.
HOLOTYPE: **177146**. Skin and skull. Adult male.
LOCALITY: Mexico: Chiapas; 12 mi (19.3 km) SE Tapachula, 1000 ft (305 m). January 13, 1958.
COLLECTOR: E. S. Booth. Original number 690.
CONDITION: Skin and skull missing.

***Oryzomys alfaroi gloriaensis*** Goodwin
Am. Mus. Novitates 1757: 8, March 8, 1956.
HOLOTYPE: **166014**. Skin and skull. Adult male.
LOCALITY: Mexico: Oaxaca; Juchitán District, (La Gloria), 2500 ft (762.5 m). April 1, 1954.
COLLECTOR: T. MacDougall. Original number 1304.
CONDITION: Skin complete, with bald spots. Skull partial (occiput missing).

***Oryzomys palmirae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 31: 83, April 10, 1912.

= *Oryzomys alfaroi* (Allen). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 720, 1993.
HOLOTYPE: **32224**. Skin and skull. Adult female.
LOCALITY: Colombia: Valle del Cauca; Mira Flores, E of Palmira. April 30, 1911.
COLLECTOR: L. E. Miller. Original number 24.
CONDITION: Skin complete. Skull partial (auditory bullae and basicranium missing).
COMMENT: This type is a composite: the skin is *Oryzomys alfaroi*, the skull is *Oryzomys intectus* (note by G. G. Musser left in collection on June 4, 1991). The skin is here designated as the element to bear the name *palmirae*.

***Oryzomys balneator hesperus*** Anthony
Am. Mus. Novitates 139: 7, October 20, 1924.
HOLOTYPE: **47583**. Skin and skull. Adult male.
LOCALITY: Ecuador: El Oro; El Chiral, 5350 ft (1631.7 m). July 22, 1920.
COLLECTOR: H. E. Anthony. Original number 1690.
CONDITION: Skin missing (September, 1992). Skull complete.

***Oryzomys carrikeri*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 24: 656, October 13, 1908.
= *Oryzomys talamancae* Allen. See Goldman, N. Am. Fauna 43: 73, September 23, 1918.
HOLOTYPE: **25976**. Skin and skull. Adult female.
LOCALITY: Costa Rica: Talamanca, Rio Sicsola (= Río Sixaola). August 18, 1904.
COLLECTOR: M. A. Carriker,Jr. Original number 1112.
CONDITION: Skin and skull complete.

***Oryzomys magdalenae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 12: 209, December 20, 1899.
= *Oryzomys talamancae* Allen. See Musser and Williams, Am. Mus. Novitates 2810: 4, February 20, 1985.
HOLOTYPE: **15318**. Skin and skull. Adult female.
LOCALITY: Colombia: (Magdalena); Minca. August 3, 1899.
COLLECTOR: Mrs. H. H. Smith (JSM). Original number 1038.
CONDITION: Skin and skull complete.

***Oryzomys mollipilosus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 12: 208, December 20, 1899.
= *Oryzomys talamancae* Allen. See Musser and Williams, Am. Mus. Novitates 2810: 4, February 20, 1985.
HOLOTYPE: **15323**. Skin and skull. Adult female.
LOCALITY: Colombia: (Magdalena); Valparaiso (= Cincinati), 4500 ft (1372.5 m). May 10, 1899.
COLLECTOR: H. H. Smith (JSM). Original number 915.
CONDITION: Skin complete. Skull consists only of fragments of cranium and right dentary, and an intact left dentary.

***Oryzomys villosus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 12: 210, December 20, 1899.
= *Oryzomys talamancae* J. A. Allen. See Musser and Williams, Am. Mus. Novitates 2810: 7, February 20, 1985.
HOLOTYPE: **15321**. Skin and skull. Adult female.
LOCALITY: Colombia: Magdalena; Valparaiso (= Cincinati), 4500 ft (1372.5 m). April 15, 1899.
COLLECTOR: Mrs. H. H. Smith (JSM). Original number 432.
CONDITION: Skin and skull complete.
COMMENT: A composite: the skin is *Oryzomys talamancae*, the skull *Oryzomys albigularis*; Musser and Williams selected the skin as the type.

***Oryzomys velutinus*** J. A. Allen and Chapman
Bull. Am. Mus. Nat. Hist. 5: 214, September 21, 1893.
= *Oryzomys capito* Olfers. See Musser and Williams, Am. Mus. Novitates 2810: 4, February 20, 1985.
HOLOTYPE: **5949/4679**. Skin and skull. Adult male.
LOCALITY: (Trinidad and Tobago): Trinidad; Princestown (= Prince's Town). April 16, 1893.
COLLECTOR: F. M. Chapman. Original number 616.
CONDITION: Skin complete. Skull partial (right auditory bulla missing).

***Oryzomys modestus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 12: 212, December 20, 1899.
= *Oryzomys capito* Olfers. See Musser and Williams, Am. Mus. Novitates 2810: 4, February 20, 1985.
HOLOTYPE: **14734**. Skin and skull. Adult female.
LOCALITY: Venezuela: (Sucre); Campo Allegre (= Campo Alegre), 3000 ft (915 m). November 20, 1898.
COLLECTOR: F. W. Urich. Original number 4.
CONDITION: Skin complete, with bald spots. Skull partial (occiput, right auditory bulla, basisphenoid, and basiocciput missing).

***Oryzomys nitidus alleni*** Goldman
Proc. Biol. Soc. Washington 28: 128, June 29, 1915.
= *Oryzomys bolivaris* J. A. Allen. See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 720, 1993.
HOLOTYPE: **9631/7971**. Skin and skull. Young adult male.
LOCALITY: Costa Rica: (Cartago); Tuis, (7 mi [11.2 km] SE Turrialba). July 15, 1894.
COLLECTOR: G. K. Cherrie. Original number 1561.
CONDITION: Skin and skull complete.

***Oryzomys incertus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 32: 598, December 3, 1913.
= *Oryzomys macconnelli* Thomas. See Tate, Bull. Am. Mus. Nat. Hist. 76: 189, October 20, 1939.
HOLOTYPE: **33756**. Skin only. Adult male.
LOCALITY: Colombia: Caquetá; La Murelia (= Morelia) Río Bodoquera, 600 ft (183 m). July 19, 1912.
COLLECTOR: L. E. Miller. Original number 916.
CONDITION: Skin complete.
COMMENT: Allen (1915: 630) renamed this taxon *Oryzomys mureliae* because the name *incertus* was preoccupied.

***Oryzomys pectoralis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 31: 83, April 19, 1912.
= *Oryzomys albigularis pectoralis* Allen. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(2): 382, August 25, 1961.
HOLOTYPE: **32561**. Skin and skull. Adult female.
LOCALITY: Colombia: Cauca; Coast range W of Popayán 10,340 ft (3153.7 m). July 10, 1911.
COLLECTOR: L. E. Miller. Original number 230.
CONDITION: Skin and skull complete.

***Oryzomys o'connelli*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 32: 597, December 3, 1913.
= *Oryzomys albigularis o'connelli* Allen. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(2): 382, August 25, 1961.
HOLOTYPE: **34583**. Skin and skull. Adult male.
LOCALITY: Colombia: (Meta); Buenavista, 50 mi (80 km) SE Bogotá, 4500 ft (1372.5 m). March 7, 1913.
COLLECTOR: G. M. O'Connell (C-CE). Original number 29.
CONDITION: Skin complete. Skull damaged (right auditory bulla).

***Oryzomys maculiventer*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 12: 204, December 20, 1899.
= *Oryzomys albigularis maculiventer* Allen. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(2): 382, August 25, 1961.
HOLOTYPE: **15306**. Skin and skull. Adult male.
LOCALITY: Colombia: (Magdalena); El Líbano, 6000 ft (1830 m). May 17, 1899.
COLLECTOR: Mrs. H. H. Smith (JSM). Original number 688.
CONDITION: Skin complete. Skull partial (part of left jugal missing).

***Oryzomys keaysi*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 13: 225, November 16, 1900.
HOLOTYPE: **16062**. Skin and skull. Adult female.
LOCALITY: Peru: (Puno); Inca Mines (= Santo Domingo), 6000 ft (1830 m). January 7, 1900.

COLLECTOR: H. H. Keays. Original number 27.
CONDITION: Skin and skull complete.

***Oryzomys obtusirostris*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 13: 225, November 16, 1900.
= *Oryzomys keaysi* Allen. See Tate, Bull. Am. Mus. Nat. Hist., 76: 189, October 20, 1939.
HOLOTYPE: **15811**. Skin and skull. Young female.
LOCALITY: Peru: (Puno); Juliaca (Inca Mines= Santo Domingo), 6000 ft (1830 m). December 6, 1899.
COLLECTOR: H. H. Keays. Original number 16.
CONDITION: Skin and skull complete.
COMMENT: According to Ornithological Gazeteer of Peru, Keays' locality Juliaca is actually Inca Mine.

***Oryzomys auriventer nimbosus*** Anthony
Am. Mus. Novitates 240: 4, December 4, 1926.
HOLOTYPE: **67337**. Skin and skull. Adult male.
LOCALITY: Ecuador: Tungurahua; San Antonio 6727 ft (2051.7 m). January 27, 1924.
COLLECTOR: G. H. H. Tate. Original number 2792.
CONDITION: Skin and skull complete.

***Oryzomys baroni*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 9: 117, April 26, 1897.
= *Oryzomys xantheolus xantheolus* Thomas. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(2): 397, August 25, 1961.
HOLOTYPE: **11820/10112**. Skin and skull. Adult female.
LOCALITY: Peru: (Cajamarca); Malca near Cajabamba, 8000 ft (2440 m). April 27, 1894.
COLLECTOR: O. T. Baron. Original number unknown.
CONDITION: Skin and skull complete.

## Genus *MELANOMYS* Thomas

***Oryzomys chrysomelas*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 9: 37, March 11, 1897.
= *Melanomys caliginosus* (Tomes). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 708, 1993.
HOLOTYPE: **10777/9076**. Skin and skull. Young adult male.
LOCALITY: Costa Rica: (Limón); Suerre, (a finca near Jimenez), 1500 ft (457.5 m). July 16, 1895.
COLLECTOR: A. Alfaro. Original number 6.
CONDITION: Skin complete. Skull partial (right zygomatic arch missing).

***Melanomys caliginosus oroensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 32: 538, November 17, 1913.
= *Melanomys caliginosus* (Tomes). See Musser and Carleton. *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 708, 1993.
HOLOTYPE: **34380**. Skin and skull. Adult female.
LOCALITY: Ecuador: Manavi; Rio de Oro, 1500 ft (457.5 m). January 13, 1913.
COLLECTOR: W. B. Richardson. Original number 117.
CONDITION: Skin complete. Skull partial (part of right zygomatic arch and basicranium missing).

***Oryzomys (Melanomys) obscurior affinis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 31: 88, April 19, 1912.
= *Melanomys caliginosus* (Tomes). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 708, 1993.
HOLOTYPE: **31690**. Skin and skull. Adult male.
LOCALITY: Colombia: (Valle de) Cauca; San José, 200 ft (61 m). December 3, 1910.
COLLECTOR: W. B. Richardson. Original number 29.
CONDITION: Skin and skull complete.

***Melanomys affinis monticola*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 32: 540, November 17, 1913.
= *Melanomys caliginosus* (Tomes). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a tax-

onomic and geographic reference, 2nd ed., p. 708, 1993.
HOLOTYPE: **32392**. Skin and skull. Adult male.
LOCALITY: Colombia: Cauca; (La) Gallera, 5700 ft (1768.5 m). June 28, 1911.
COLLECTOR: L. E. Miller. Original number 183.
CONDITION: Skin complete. Skull partial (left basicranium, zygomatic arch, and auditory bulla missing).

***Melanomys phaeopus vallicola*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 32: 544, November 17, 1913.
= *Melanomys caliginosus* (Tomes). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 708, 1993.
HOLOTYPE: **32903**. Skin and skull. Adult male.
LOCALITY: Colombia: (Valle de) Cauca; Cauca River, Rio Frio (= Ríofrío), 3500 ft (1067.5 m). December 1, 1911.
COLLECTOR: L. E. Miller. Original number 616.
CONDITION: Skin and skull complete.

***Melanomys phaeopus tolimensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 32: 545, November 17, 1913.
= *Melanomys caliginosus* (Tomes). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 708, 1993.
HOLOTYPE: **32976**. Skin and skull. Adult male.
LOCALITY: Colombia: (Tolima); Río Toche, 6800 ft (2074 m). October 24, 1911.
COLLECTOR: L. E. Miller. Original number 411.
CONDITION: Skin and skull complete.

***Melanomys lomitensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 32: 545, November 17, 1913.
= *Melanomys caliginosus* (Tomes). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 708, 1993.
HOLOTYPE: **32214**. Skin and skull. Adult male.
LOCALITY: Colombia: (Valle de) Cauca; Las Lomitas (= Lomitas), 5000 ft (1525 m). February 27, 1911.
COLLECTOR: W. B. Richardson. Original number 86.
CONDITION: Skin and skull complete.

***Melanomys buenavistae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 32: 547, November 17, 1913.
= *Melanomys caliginosus* (Tomes). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 708, 1993.
HOLOTYPE: **34567**. Skin and skull. Adult male.
LOCALITY: Colombia: East Andes (Meta); Buenavista above Villavicencio, 4500 ft (1372.5 m). March 9, 1913.
COLLECTOR: G. M. O'Connell (C-CE). Original number 39.
CONDITION: Skin and skull complete.

***Akodon columbianus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 12: 203, December 20, 1899.
= *Melanomys caliginosus* (Tomes). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 708, 1993.
HOLOTYPE: **15336**. Skin and skull. Subadult male.
LOCALITY: Colombia: (Magdalena); Manzanares (= Río Manzanares), 3000 ft (915 m). September 6, 1899.
COLLECTOR: Mrs. H. H. Smith (JSM). Original number 1152.
CONDITION: Skin complete. Skull intact except for missing right M1–M3 and left M2 and M3.

## Genus *SIGMODONTOMYS* Allen

***Sigmodontomys alfari*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 9: 39, March 11, 1897.
HOLOTYPE: **12436/10744**. Skin and skull. Adult male.
LOCALITY: Costa Rica: (Limón); Jiménez, 3 mi (4.8 km) E Guápiles, 700 ft (213.5 m). May 1895.
COLLECTOR: A. Alfaro. Original number 3.

CONDITION: Skin complete. Skull partial (left zygomatic arch, parietal, and posterior half of left dentary missing).

***Oryzomys ochraceus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 24: 655, October 13, 1908.
= *Sigmodontomys alfari* Allen. See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 748, 1993.
HOLOTYPE: **28548**. Skin and skull. Adult male.
LOCALITY: Nicaragua: (Zelaya); Río Grande. March 27, 1908.
COLLECTOR: W. B. Richardson. Original number 227.
CONDITION: Skin and skull complete.

***Oryzomys barbacoas*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 35: 85, April 28, 1916.
= *Sigmodontomys alfari* Allen. See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 748, 1993.
HOLOTYPE: **34193**. Skin and skull. Adult male.
LOCALITY: Colombia: (Nariño); Barbacoas, 75 ft (22.8 m). August 10, 1912.
COLLECTOR: W. B. Richardson. Original number 41.
CONDITION: Skin and skull complete.

## Genus *NECTOMYS* Peters

***Nectomys palmipes*** J. A. Allen and Chapman
Bull. Am. Mus. Nat. Hist.5: 209, September 21, 1893.
HOLOTYPE: **5928/4658**. Skin and skull. Adult male.
LOCALITY: (Trinidad and Tobago): Trinidad; Princestown (= Prince's Town). April 10, 1893.
COLLECTOR: F. M. Chapman. Original number 572.
CONDITION: Skin complete. Skull partial (left auditory bulla missing).

***Nectomys squamipes tatei*** Hershkovitz
Proc. U.S. Natl. Mus. 98: 52, 1948.
HOLOTYPE: **69899**. Skin and skull. Adult female.
LOCALITY: Venezuela: (Monagas); San Antonio (de Maturín), 1800 ft (549 m). April 22, 1925.
COLLECTOR: G. H. H. Tate and H. J. Clement. Original number 3424.
CONDITION: Skin and skull complete.

## Genus *PSEUDORYZOMYS* Hershkovitz

***Pseudoryzomys wavrini reigi*** Pine and Wetzel
Mammalia 39: 649, 1975.
= *Pseudoryzomys simplex* (Winge). See Voss and Myers, Bull. Am. Mus. Nat. Hist. 206: 424, September 12, 1991.
HOLOTYPE: **210054**. Skin, skull, and postcranial skeleton. Adult male.
LOCALITY: Bolivia: El Beni; Pampa de Meio, Rio Itenez (also known by the Portuguese name Rio Guaporé). September 13, 1964.
COLLECTOR: S. Anderson. Original number 5492.
CONDITION: Skin and skull complete. Postcranial skeleton missing (lost when loaned, 1974).

## Genus *ZYGODONTOMYS* Allen

***Oryzomys brevicauda*** J. A. Allen and Chapman
Bull. Am. Mus. Nat. Hist. 5: 215, September 21, 1893.
= *Zygodontomys brevicauda brevicauda* (Allen and Chapman). See Allen, Bull. Am. Mus. Nat. Hist. 9: 38, March 11, 1897.
HOLOTYPE: **5981/4708**. Skin and skull. Adult male.
LOCALITY: (Trinidad and Tobago): Trinidad; Princestown (= Prince's Town). April 12, 1893.
COLLECTOR: F. M. Chapman. Original number 588.
CONDITION: Skin complete. Skull intact except for missing left and right M3.

***Akodon frustrator*** J. A. Allen and Chapman
Bull. Am. Mus. Nat. Hist. 9: 20, February 26, 1897.
= *Zygodontomys brevicauda brevicauda* (Allen and Chapman). See Voss, Bull. Am. Mus. Nat. Hist. 810: 59, December 4, 1991.
HOLOTYPE: **7599/6125**. Skin and skull. Young.
LOCALITY: (Trinidad and Tobago): Trinidad; Caura. April 21, 1894.

COLLECTOR: F. M. Chapman. Original number 924.
CONDITION: Skin complete, with bald spots. Skull partial (zygomatic arches, left M1 and M3 missing).

***Zygodontomys brevicauda soldadoensis*** Goodwin
Am. Mus. Novitates 2238: 2, 1965.
= *Zygodontomys brevicauda brevicauda* (Allen and Chapman). See Voss, Bull. Am. Mus. Nat. Hist. 810: 59, December 4, 1991.
HOLOTYPE: **206654**. Skin, skull, and postcranial skeleton. Adult male.
LOCALITY: (Trinidad and Tobago): Trinidad; Soldado Rock. June 16, 1963.
COLLECTOR: T. H. Q. Aitken and E. Tikasingh. Original number 5803.
CONDITION: Skin and skull complete. Postcranial skeleton partial.

***Oryzomys cherriei*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 7: 329, November 8, 1895.
= *Zygodontomys brevicauda cherriei* (Allen). See Voss, Bull. Am. Mus. Nat. Hist. 810: 59, December 4, 1991.
HOLOTYPE: **11297/9557**. Skin and skull. Adult male.
LOCALITY: Costa Rica: (Puntarenas); Boruca, 1600 ft (488 m). December 10, 1891.
COLLECTOR: G. K. Cherrie. Original number 2404.
CONDITION: Skin complete. Skull partial except missing left M3.

***Zygodontomys griseus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 32: 599, December 3, 1913.
= *Zygodontomys brevicauda cherriei* (Allen). See Voss, Bull. Am. Mus. Nat. Hist. 810: 59, December 4, 1991.
HOLOTYPE: **34592**. Skin and skull. Adult male.
LOCALITY: Colombia: Magdalena Valley, (Hacienda El Triunfo), 600 ft (183 m). February 7, 1913.
COLLECTOR: G. M. O'Connell (C-CE). Original number 6.
CONDITION: Skin partial (right forelimb missing). Skull incomplete (right zygomatic arch missing).

***Zygodontomys fraterculus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 32: 599, December 3, 1913.
= *Zygodontomys brevicauda cherriei* (Allen). See Voss, Bull. Am. Mus. Nat. Hist. 810: 59, December 4, 1991.
HOLOTYPE: **32920**. Skin and skull. Adult female.
LOCALITY: Colombia: Cauca [sic] (Tolima); Coello River, Chicoral, 1800 ft (549 m). October 12, 1911.
COLLECTOR: L. E. Miller. Original number 397.
CONDITION: Skin and skull complete.

***Oryzomys sanctaemartae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 12: 207, December 20, 1899.
= *Zygodontomys brevicauda cherriei* (Allen). See Voss, Bull. Am. Mus. Nat. Hist. 810: 59, December 4, 1991.
HOLOTYPE: **15312**. Skin and skull. Adult female.
LOCALITY: Colombia: (Magdalena); Bonda, 200 ft (61 m). May 26, 1899.
COLLECTOR: H. H. Smith (JSM). Original number 472.
CONDITION: Skin and skull complete.

## Genus ***HOLOCHILUS*** Brandt

***Holochilus venezuelae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 330, October 8, 1904.
= *Holochilus sciureus venezuelae* Allen. See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 705, 1993.
HOLOTYPE: **16973**. Skin and skull. Young female.
LOCALITY: Venezuela: (Bolívar); El Llagual (= El Yagual). March 19, 1901.
COLLECTOR: S. M. Klages. Original number 237.
CONDITION: Skin complete. Skull partial (basioccput and occiput missing).

## Genus ***AKODON*** Meyen

***Akodon lutescens*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 14: 46, January 31, 1901.
= *Akodon puer lutescens* Allen. See Myers, Patton and Smith, Misc. Publs. Mus. Zool. Univ. Michigan 177: 70, March 29, 1990.
HOLOTYPE: **16507**. Skin and skull. Adult female.

LOCALITY: Peru: (Puno); Tirapata, 15000 ft (4575 m). October 21, 1900.
COLLECTOR: H. H. Keays. Original number 137.
CONDITION: Skin complete. Skull partial, consisting only of dorsal cranium with auditory bullae, lower incisors and left m1–3.
COMMENT: Name was incorrectly printed as "*lutesens*" in the original description.

***Akodon chapmani*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 32: 600, December 3, 1913.
= *Akodon urichi* Allen. See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 693, 1993.
HOLOTYPE: **34573**. Skin and skull. Adult male.
LOCALITY: Colombia: eastern Andes (= Cundinamarca); Chipaque, 8500 ft (2592.5 m). February 22, 1913.
COLLECTOR: G. M. O'Connell (C-CE). Original number 13.
CONDITION: Skin and skull complete.

***Chalcomys aerosus saturatus*** Tate
Bull. Am. Mus. Nat. Hist. 76: 187, October 20, 1939
= *Akodon urichi* Allen. See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 688, 1993.
HOLOTYPE: **131020**. Skin and skull. Adult male.
LOCALITY: Venezuela: (Bolívar); Auyántepuí plateau, middle River Caroni, 6000 ft (1830 m). January 26, 1938.
COLLECTOR: G. H. H. Tate. Original number 5561.
CONDITION: Skin complete. Skull partial (both jugals missing).

***Akodon urichi*** J. A. Allen and Chapman
Bull. Am. Mus. Nat. Hist. 9: 19, February 26, 1897.
HOLOTYPE: **7725/6110**. Skin and skull. Adult female.
LOCALITY: (Trinidad and Tobago): Trinidad; Caparo. March 15, 1894.
COLLECTOR: F. M. Chapman. Original number 691.
CONDITION: Skin and skull complete.

***Akodon meridensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 329, October 8, 1904.
= *Akodon urichi meridensis* Allen. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(2): 448, August 25, 1961.
HOLOTYPE: **21328**. Skin and skull. Adult female.
LOCALITY: Venezuela: (Mérida); Mérida, 1630 ft (497 m). January 29, 1903.
COLLECTOR: S. B. Galbadon. Original number 31.
CONDITION: Skin complete. Skull intact except for broken upper incisors.

***Akodon urichi tobagensis*** Goodwin
Am. Mus. Novitates 2096: 6, June 27, 1962.
HOLOTYPE: **184789**. Skin and skull. Adult male.
LOCALITY: (Trinidad and Tobago): Tobago; (Saint John Parish), Speyside, 300 ft (91.5 m). March 31, 1960.
COLLECTOR: F. Thurab. Original number 163.
CONDITION: Skin and skull complete.

***Akodon venezuelensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 12: 203, December 20, 1899.
= *Akodon urichi venezuelensis* Allen. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(2): 449, August 25, 1961.
HOLOTYPE: **14742**. Skin and skull. Adult male.
LOCALITY: Venezuela: (Sucre); Quebrada Secca (= Villarroel). December 10, 1898.
COLLECTOR: F. W. Urich. Original number 73.
CONDITION: Skin partial (tail incomplete). Skull intact except for missing left and right M3.
COMMENT: Allen's original description incorrectly identified the number as 14724, an error perpetuated by Goodwin (1953: 320).

***Microxus affinis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 31: 89, April 19, 1912.
= *Akodon affinis* (Allen). See Anthony, Am. Mus. Novitates 139: 4, October 20, 1924.
HOLOTYPE: **32235**. Skin and skull. Adult male.

LOCALITY: Colombia: Cauca (= Valle del Cauca); San Antonio, near Cali, 8000 ft (2440 m). January 5, 1911.
COLLECTOR: W. B. Richardson. Original number 48.
CONDITION: Skin complete. Skull partial (basisphenoid and left jugal missing).

***Akodon tolimae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 32: 480, September 25, 1913.
= *Akodon affinis* (Allen). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 688, 1993.
HOLOTYPE: **33009**. Skin and skull. Adult male.
LOCALITY: Colombia: Quindio Andes, Tolima; Rio Toché, 7000 ft (2135 m). October 26, 1911.
COLLECTOR: L. E. Miller. Original number 428.
CONDITION: Skin complete. Skull partial (zygomatic arches missing).

***Microxus latebricola*** Anthony
Am. Mus. Novitates 139: 3, October 20, 1924.
= *Akodon latebricola* (Anthony). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 690, 1993.
HOLOTYPE: **67506**. Skin and skull. Adult male.
LOCALITY: Ecuador: (Tungurahua); Hacienda San Francisco, Rio Cusutagua E of Ambato, 8000 ft (2440 m). January 12, 1924.
COLLECTOR: G. H. H. Tate. Original number 2680.
CONDITION: Skin complete. Skull partial (occiput and right jugal missing).

***Akodon siberiae*** Myers and Patton
Occas. Pap. Mus. Zool. Univ. Michigan 720: 4, December 11, 1989.
HOLOTYPE: **260432**. Skin, skull, partial skeleton, karyotype, and tissue. Adult female.
LOCALITY: Bolivia: Cochabamba; 28 km W Comarapa, 2800 m. September 4, 1984.
COLLECTOR: N. Olds. Original number 390.
CONDITION: Skin partial (left limbs missing). Skull incomplete (right jugal missing).

## Genus ***ABROTHRIX*** Waterhouse

***Abrothrix longipilis castaneus*** Osgood
Field Mus. Nat. Hist. Zool. 30: 189, 1943.
HOLOTYPE: **97735**. Skin and skull. Adult male.
LOCALITY: Chile: (Arauco); Isla de la Mocha (= Isla Mocha). December 7, 1932.
COLLECTOR: D. S. Bullock. Original number 284 and 283.
CONDITION: Skin complete. Skull partial (right jugal missing).

## Genus ***BOLOMYS*** Thomas

***Zygodontomys tapirapoanus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 35: 528, July 24, 1916.
= *Bolomys lasiurus* (Lund). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 696, 1993.
HOLOTYPE: **37518**. Skin and skull. Adult female.
LOCALITY: Brazil: Mato Grosso; Rio Siputuba (= Rio Sepotuba), Tapirapoan (= Tapirapuaa). January 19, 1914.
COLLECTOR: L. E. Miller (RBE). Original number 259.
CONDITION: Skin complete. Skull partial (left jugal missing).

## Genus ***PODOXOMYS*** Anthony

***Podoxomys roraimae*** Anthony
Am. Mus. Novitates 383: 4, November 4, 1929.
HOLOTYPE: **75586**. Skin and skull. Adult female.
LOCALITY: "Brazil" (Guyana): Summit of Mount Roraima, 8600 ft (2623 m). November 27, 1927.
COLLECTOR: G. H. H. Tate. Original number 4571.
CONDITION: Skin complete. Skull partial (jugals missing).
COMMENT: Mount Roraima is on the borders of Guyana, Venezuela, and Brazil; Goodwin (1953) listed Guyana for the type locality.

Genus ***LENOXUS*** Thomas

***Oxymycterus apicalis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 13: 224, November 16, 1900.
= *Lenoxus apicalis apicalis* (Allen). See Thomas, Ann. Mag. Nat. Hist., ser. 8, 4: 237, 1909.
HOLOTYPE: **16064**. Skin and skull. Adult male.
LOCALITY: Peru: (Puno); Santo Domingo Mine, 6000 ft (1830 m). January 5, 1900.
COLLECTOR: H. H. Keays. Original number 25.
CONDITION: Skin and skull complete.

***Lenoxus apicalis boliviae*** Sanborn
Publ. Mus. Hist. Nat. "Javier Prado," Univ. Nac. Mayor de San Marcos, Lima, ser. A, 5: 16, August 1950.
HOLOTYPE: **72623**. Skin and skull. Adult female.
LOCALITY: Bolivia: (La Paz); Nequejahuira, 8000 ft (2440 m). May 21, 1926.
COLLECTOR: G. H. H. Tate. Original number 4151.
CONDITION: Skin complete. Skull intact except for missing right and left M3.

Genus ***OXYMYCTERUS*** Waterhouse

***Oxymycterus juliacae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 13: 223, November 16, 1900.
= *Oxymycterus incae juliacae* Allen. See Reig, Fieldiana Zool., n.ser., 39: 361, December 31, 1987.
HOLOTYPE: **15804**. Skin and skull. Adult male.
LOCALITY: Peru: (Puno); Inca Mines (= Santo Domingo Mine). November 29, 1899.
COLLECTOR: H. H. Keays. Original number 12.
CONDITION: Skin and skull complete.

***Hypudaeus dasytrichus*** Wied
Beitr. Naturg. Brasil 2: 425, 1826.
= *Oxymycterus rufus dasytrichus* (Wied). See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia". Cienc. Zool., 4(2): 468, August 25, 1961.
LECTOTYPE: **559**. Mounted skin, skull within. See Avila-Pires, Am. Mus. Novitates 2209: 14, 1960.
LOCALITY: Brazil: Bahia; (Lower) Rio Mucuri. 1815–1817.
COLLECTOR: Maximilian Wied-Neuwied. Original number unknown.
CONDITION: Skin damaged (tail cracked in two places).

***Oxymycterus hucucha*** Hinojosa, Anderson and Patton
Am. Mus. Novitates 2898: 15, November 12, 1987.
HOLOTYPE: **260583**. Skin, skull, and postcranial skeleton. Adult male.
LOCALITY: Bolivia: Cochabamba; 28 km W Comarapa (Santa Cruz). September 4, 1984.
COLLECTOR: S. Anderson. Original number 8176.
CONDITION: Skin complete. Skull partial (zygomatic arches broken). Postcranial skeleton partial.
COMMENT: Tissues are in liquid nitrogen (NK 12028) at the University of New Mexico.

Genus ***GEOXUS*** Thomas

***Notiomys valdivianus bullocki*** Osgood
Field Mus. Nat. Hist., Zool. ser., 30: 154, 1943.
= *Geoxus valdivianus bullocki* (Osgood). See Reig, Fieldiana Zool., n.ser., 39: 363, December 31, 1987.
HOLOTYPE: **97742**. Skin and skull. Adult female.
LOCALITY: Chile: (Arauco); Isla de la Mocha (= Isla Mocha). December 7, 1932.
COLLECTOR: D. S. Bullock. Original number 277.
CONDITION: Skin and skull complete.

Genus ***CALOMYS*** Waterhouse

***Hesperomys lepidus montanus*** Sanborn
Publ. Mus. Hist. Nat. "Javier Prado" Univ. Nac. Mayor de San Marcos, Lima, ser. A, 5: 4, August 1950.
= *Calomys lepidus carillus* (Thomas). See Hershkovitz, Fieldiana Zool. 46: 165, December 20, 1962.
HOLOTYPE: **72683**. Skin and skull. Subadult male.
LOCALITY: Bolivia: (La Paz); El Cumbre (= La Cumbre), 15,200 ft (4626 m). February 12, 1926.

COLLECTOR: G. H. H. Tate. Original number 3638.
CONDITION: Skin and skull complete.

Genus ***ELIGMODONTIA*** F. Cuvier

***Eligmodontia morgani*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 14: 409, November 20, 1901.
HOLOTYPE: **27689**. Skin and skull. Adult female.
LOCALITY: (Argentina): Patagonia (= Santa Cruz); Basaltic canyons 50 mi (80 km) SE Lago Buenos Aires. April 17, 1898.
COLLECTOR: A. E. Colburn (PUP). Original number 127.
CONDITION: Skin and skull complete.
COMMENT: Allen's description indicates 1895 as the collection year. However, the Princeton-Patagonian Expedition dates are 1896–1899. The locality was taken from the ledger catalog as there is no original specimen label. The specimen was held by Princeton University until January 1952.

Genus ***PHYLLOTIS*** Waterhouse

***Phyllotis osilae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 14: 44, January 31, 1901.
= *Phyllotis osilae osilae* Allen. See Hershkovitz, Fieldiana Zool. 46: 380, December 20, 1962.
HOLOTYPE: **16503**. Skin and skull. Adult female.
LOCALITY: Peru: (Puno); Osila (Asillo, between San Antonio and Tirapata, 17 mi ENE Ayaviri), 12,000 ft (3660 m). October 17, 1900.
COLLECTOR: H. H. Keays. Original number 128.
CONDITION: Skin complete. Skull partial (left zygomatic arch missing).

***Phyllotis fruticicolus*** Anthony
Am. Mus. Novitates 32: 1, March 4, 1922.
= *Phyllotis andium* Thomas. See Hershkovitz, Fieldiana Zool. 46: 262, December 20, 1962.
HOLOTYPE: **47674**. Skin and skull. Young adult male.
LOCALITY: Ecuador: (Loja); Guachanamá, 9050 ft (2760 m). October 9, 1920.
COLLECTOR: H. E. Anthony. Original number 2228.
CONDITION: Skin complete. Skull partial (interparietal missing).

***Phyllotis fuscus*** Anthony
Am. Mus. Novitates 114: 1, May 29, 1924.
= *Phyllotis haggardi* Thomas. See Hershkovitz, Fieldiana Zool. 46: 267, December 20, 1962.
HOLOTYPE: **62050**. Skin and skull. Adult female.
LOCALITY: Ecuador: (Azuay); Contrayerbas, 11,000 ft (3355 m). June 27, 1922.
COLLECTOR: G. H. H. Tate. Original number 673.
CONDITION: Skin and skull complete.

Genus ***AULISCOMYS*** Osgood

***Phyllotis (Auliscomys) decoloratus*** Osgood
Publ. Field Mus. Nat. Hist., zool. ser., 10: 191, October 22, 1915.
= *Auliscomys pictus* Thomas. See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 695, 1993.
HOLOTYPE: **16500**. Skin and skull. Juvenile female.
LOCALITY: Peru: (Puno); Tirapata, 16,000 ft (4880 m). October 21, 1900.
COLLECTOR: H. H. Keays. Original number 135.
CONDITION: Skin and skull complete.

Genus ***SIGMODON*** Say and Ord

***Sigmodon hispidus littoralis*** Chapman
Bull. Am. Mus. Nat. Hist. 2: 118, June 7, 1889.
HOLOTYPE: **1837/1110**. Skin and skull. Adult female.
LOCALITY: (United States): Florida; (Brevard County), East Peninsula opposite Micco. March 4, 1889.
COLLECTOR: F. M. Chapman. Original number 213.
CONDITION: Skin partial (distal section of tail missing). Skull complete.

***Sigmodon hispidus griseus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 24: 657, October 13, 1908.
HOLOTYPE: **28497**. Skin and skull. Adult male.
LOCALITY: Nicaragua; Chontales; coastal

lowlands, 500–1000 ft (152.5–305 m). February 20, 1908.
COLLECTOR: W. B. Richardson. Original number 200.
CONDITION: Skin partial (distal section of tail missing). Skull complete.

***Sigmodon hispidus villae*** Goodwin
Am. Mus. Novitates 1871: 2, February 26, 1958.
HOLOTYPE: **174799**. Skin and skull. Adult male.
LOCALITY: Mexico: Chiapas; 5 mi (8 km) E Teopisca, 6000 ft (1830 m). February 26, 1952.
COLLECTOR: J. R. Marcus. Original number 129.
CONDITION: Skin complete. Skull damaged (right occiput).
COMMENT: Teopisca is the locality given in the original description. Field notes, original skin label, and ledger catalog indicate "Villa" as the locality. "Villa Carranza" is the locality on the type label.

***Sigmodon borucae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 9: 40, March 11, 1897.
= *Sigmodon hispidus borucae* Allen. See Bailey, Proc. Biol. Soc. Washington 15: 112. June 2, 1902.
HOLOTYPE: **11761/10045**. Skin and skull. Adult female.
LOCALITY: Costa Rica: (Puntarenas); Boruca, 1600 ft (488 m). December 12, 1891.
COLLECTOR: G. K. Cherrie. Original number 2553.
CONDITION: Skin complete. Skull partial (left auditory bulla incomplete).

***Sigmodon borucae chiriquensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 68, February 29, 1904.
= *Sigmodon hispidus chiriquensis* Allen. See Miller, Bull. U.S. Natl. Mus. 79: 184, December 31, 1912.
HOLOTYPE: **18789**. Skin and skull. Adult male.
LOCALITY: (Panama): Boqueron; Chiriqui. October 28, 1901.
COLLECTOR: J. H. Batty. Original number 829.
CONDITION: Skin partial (distal section of tail missing). Skull complete.

***Sigmodon zanjonensis*** Goodwin
Am. Mus. Novitates 528: 1, May 23, 1932.
= *Sigmodon hispidus zanjonensis* Goodwin. See Goodwin, Bull. Am. Mus. Nat. Hist. 68: 53, December 12, 1934.
HOLOTYPE: **69277**. Skin and skull. Adult female.
LOCALITY: Guatemala: Zanjon, 9000 ft (2745 m). January 8, 1925.
COLLECTOR: A. W. Anthony. Original number 121.
CONDITION: Skin and skull complete.

***Sigmodon hispidus arizonae*** Mearns
Bull. Am. Mus. Nat. Hist. 2: 287, February 21, 1890.
= *Sigmodon arizonae* Mearns. See Zimmerman, Publ. Mus. Michigan State Univ. Biol. Ser. 4: 446, December 11, 1970.
HOLOTYPE: **2370/1841**. Skin and skull. Adult male.
LOCALITY: (United States): Arizona; Yavapai County, Fort Verde. September 18, 1885.
COLLECTOR: E. A. Mearns. Original number 242.
CONDITION: Skin partial (distal section of tail missing). Skull complete.

***Sigmodon mascotensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 9: 54, March 15, 1897.
HOLOTYPE: **8321/6655**. Skin and skull. Adult female.
LOCALITY: Mexico: Jalisco; Mascota, Mineral San Sebastian, 3300 ft (1006.5 m). June 7, 1893.
COLLECTOR: A. C. Buller. Original number 0001.
CONDITION: Skin and skull complete.

***Sigmodon colimae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 9: 55, March 15, 1897.
= *Sigmodon mascotensis* Allen. See Zimmerman, Publ. Mus. Michigan State Univ. Biol. Ser. 4: 446, December 11, 1970.
HOLOTYPE: **2648/2318**. Skin and skull. Adult male.
LOCALITY: Mexico: Colima; Plains of Colima. January 11, 1890.
COLLECTOR: A. C. Buller. Original number 1234.
CONDITION: Skin complete. Skull partial (right zygomatic arch missing).

***Sigmodon hispidus ischyrus*** Goodwin
Am. Mus. Novitates 1791: 8, September 28, 1956.
= *Sigmodon mascotensis* Allen. See Zimmerman, Publ. Mus. Michigan State Univ. Biol. Ser. 4: 446, December 11, 1970.
HOLOTYPE: **171600**. Skin and skull. Adult male.
LOCALITY: Mexico: (Oaxaca); Yautepec, Santo Domingo Chontecomatlán, "El Arco" gorge of Rio Grande, 2600 ft (793 m). October 11, 1955.
COLLECTOR: T. MacDougall. Original number 1446.
CONDITION: Skin and skull complete.

***Sigmodon baileyi*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 19: 601, November 12, 1903.
= *Sigmodon ochrognathus* Bailey. See Baker and Shump, Mammal. Spec. 97: 1, September 1, 1978.
HOLOTYPE: **20993**. Skin and skull. Adult female.
LOCALITY: Mexico: (Durango); La Ciénega de las Vacas, 8500 ft (2592.5 m). March 27, 1903.
COLLECTOR: J. H. Batty. Original number 335.
CONDITION: Skin partial (distal section of tail missing). Skull complete.

***Sigmodon vulcani*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 22: 247, July 25, 1906.
= *Sigmodon alleni vulcani* Allen. See R. H. Baker, Univ, Kansas Mus. Nat. Hist. 51: 194, July 11, 1969.
HOLOTYPE: **26310**. Skin and skull. Adult female.
LOCALITY: Mexico: Jalisco; Volcán de Fuego, 10,000 ft (3050 m). July 25, 1905.
COLLECTOR: J. H. Batty. Original number 2330.
CONDITION: Skin and skull complete.

***Sigmodon macdougalli*** Goodwin
Am. Mus. Novitates 1705: 3, February 4, 1955.
= *Sigmodon alleni planifrons* Nelson and Goldman. See Shump and Baker, Mammal. Spec. 95: 1, January 6, 1978.
HOLOTYPE: **149122**. Skin and skull. Adult female.
LOCALITY: Mexico: (Oaxaca); Santo Tomás Teipán, 12 km S Yautepec, 7000 ft (2135 m). March 17, 1950.
COLLECTOR: T. MacDougall. Original number 908.
CONDITION: Skin and skull complete.

***Sigmodon macrodon*** Goodwin
Am. Mus. Novitates 1705: 4, February 4, 1955.
= *Sigmodon alleni planifrons* Nelson and Goldman. See Shump and Baker, Mammal. Spec. 95: 1, January 6, 1978.
HOLOTYPE: **142536**. Skin and skull. Adult female.
LOCALITY: Mexico: (Oaxaca); Tehuantepec, Cerro San Pedro (20 km W Mixtequilla), 3600 ft (1098 m). May 16, 1943.
COLLECTOR: T. MacDougall. Original number 7135.
CONDITION: Skin complete but fur worn and faded. Skull complete.

***Sigmodon planifrons minor*** Goodwin
Am. Mus. Novitates 1705: 1, February 4, 1955.
= *Sigmodon alleni planifrons* Nelson and Goldman. See Shump and Baker, Mammal. Spec. 95: 1, January 6, 1978.
HOLOTYPE: **143429**. Skin and skull. Adult female.
LOCALITY: Mexico: Oaxaca; Tehuantepec, Santa Lucia, 12 km NE Tenango, 4000 ft (1220 m). February 6, 1944.
COLLECTOR: T. MacDougall. Original number 107.
CONDITION: Skin and skull complete.

***Sigmodon fulviventer*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 2: 180, October 21, 1889.
= *Sigmodon fulviventer fulviventer* Allen. See Shump and Baker, Mammal. Spec. 95: 1, January 6, 1978.
HOLOTYPE: **1975/1244**. Skin and skull. Adult male.
LOCALITY: Mexico: Zacatecas; Zacatecas. August 17, 1889.
COLLECTOR: A. C. Buller. Original number 59.
CONDITION: Skin complete. Skull partial (basicranium missing).

***Sigmodon peruanus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 9: 118, April 26, 1897.

HOLOTYPE: **11818/10110**. Skin and skull. Adult female.
LOCALITY: Peru: (La Libertad); Trujillo, 200 ft (61 m). May 25, 1895.
COLLECTOR: O. T. Baron. Original number unknown.
CONDITION: Skin complete. Skull partial (auditory bullae, basioccipital, left braincase wall, and most of pterygoid region missing).

***Sigmodon chonensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 32: 479, September 25, 1913.
= *Sigmodon peruanus* Allen. See Voss, Am. Mus. Novitates 3050: 34, July 28, 1992.
HOLOTYPE: **34290**. Skin and skull. Adult female.
LOCALITY: Ecuador: Manavi (= Manabí); Chone, less than 100 ft (30.5 m). December 16, 1912.
COLLECTOR: W. B. Richardson. Original number 100.
CONDITION: Skin and skull complete.

***Sigmodon inopinatus*** Anthony
Am. Mus. Novitates 114: 3, May 29, 1924.
HOLOTYPE: **66310**. Skin and skull. Adult female.
LOCALITY: Ecuador: Chimborazo; Mount Chimborazo, Urbina, 11,400 ft (3477 m). October 26, 1923.
COLLECTOR: G. H. H. Tate. Original number 2358.
CONDITION: Skin and skull complete.

Subfamily **CALOMYSCINAE**
Vorontsov and Potapova
Genus ***CALOMYSCUS*** Thomas

***Calomyscus elburzensis*** Goodwin
Am. Mus. Novitates 1050: 1, December 1, 1939.
= *Calomyscus mystax* Kashkarov. See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 536, 1993.
HOLOTYPE: **88838**. Skin and skull. Adult female.
LOCALITY: Iran: Bujnurd District, Kurkhud Mountains, Degermatie, 4000 ft (1220 m). November 14, 1938.
COLLECTOR: G. G. Goodwin. Original number 3804.
CONDITION: Skin complete. Skull partial (right jugal missing).

Subfamily **CRICETINAE**
Fischer von Waldheim
Genus ***CRICETULUS*** Milne-Edwards

***Cricetulus andersoni nigrescens*** G. M. Allen
Am. Mus. Novitates 179: 2, June 23, 1925.
= *Cricetulus longicaudatus longicaudatus* Milne-Edwards. See Corbet, The Mammals of the Palaearctic Region, a taxonomic review, p. 89, 1978.
HOLOTYPE: **56307**. Skin and skull. Adult male.
LOCALITY: China: Hopei (= Hebei); 100 mi (160.9 km) NE of Peiping (= Beijing). March 1922.
COLLECTOR: R. C. Andrews (AE3). Original number 540.
CONDITION: Skin complete. Skull partial (left jugal missing).

Genus ***ALLOCRICETULUS*** Argyropulo

***Cricetulus migratorius curtatus*** G. M. Allen
Am. Mus. Novitates 179: 3, June 23, 1925.
= *Allocricetulus curtatus* Allen. See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 536, 1993.
HOLOTYPE: **57873**. Skin and skull. Adult male.
LOCALITY: (China, W Nei Mongol) Mongolia: Iren Dabasu (= Ehrlien). May 2, 1922.
COLLECTOR: R. C. Andrews (AE3). Original number 914.
CONDITION: Skin and skull complete.

Genus ***TSCHERSKIA*** Ognev

***Cricetulus triton fuscipes*** G. M. Allen
Am. Mus. Novitates 179: 5, June 23, 1925.
= *Tscherskia triton* (de Winton). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 539, 1993.
HOLOTYPE: **56792**. Skin and skull. Adult male.
LOCALITY: China: Hopei (= Hebei); Peiping (= Beijing). 1921.
COLLECTOR: R. C. Andrews (AE3). Original number 444.

CONDITION: Skin complete. Skull damaged (right occiput and posterior portion of braincase repaired, jugals missing).

***Cricetulus triton collinus*** G. M. Allen
Am. Mus. Novitates 179: 5, June 23, 1925.
= *Tscherskia triton* (de Winton). See Musser and Carleton, *in*, Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 539, 1993.
HOLOTYPE: **56389**. Skin and skull. Adult female.
LOCALITY: China: Shensi (Shaanxi); Tsingling Mountains (= Qin-ling), Taipai Shan (= Taibai Shan). October 10, 1921.
COLLECTOR: R. C. Andrews (AE3). Original number 153.
CONDITION: Skin complete. Skull missing (see Goodwin, 1953).

Subfamily **ARVICOLINAE** Gray
Genus ***SYNAPTOMYS*** Baird

***Synaptomys (Mictomys) andersoni*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 19: 554, October 10, 1903.
= *Synaptomys borealis dalli* Merriam. See A. B. Howell, N. Am. Fauna 50: 24, June 30, 1927.
HOLOTYPE: **20467**. Skin and skull. Immature female.
LOCALITY: (Canada): British Columbia; Level Mountains. September 11, 1902.
COLLECTOR: M. P. Anderson. Original number 736.
CONDITION: Skin and skull complete.

***Synaptomys (Mictomys) chapmani*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 19: 555, March 31, 1903.
= *Synaptomys borealis chapmani* Allen. See A. B. Howell, N. Am. Fauna 50: 24, June 30, 1927.
HOLOTYPE: **16908**. Skin and skull. Adult male.
LOCALITY: (Canada): British Columbia; (Selkirk Range), Glacier. July 20, 1901.
COLLECTOR: F. M. Chapman. Original number 7.
CONDITION: Skin and skull complete.

Genus ***LEMMUS*** Link

***Lemmus obensis chrysogaster*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 19: 153, March 31, 1903.
= *Lemmus sibiricus chrysogaster* Allen. See Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 656, November 19, 1951.
HOLOTYPE: **18672**. Body in alcohol, skull removed. Juvenile.
LOCALITY: Russian Federation: Siberia (Magadan); Gichiga (= Gizhiga). July 26, 1901.
COLLECTOR: N. G. Buxton (JNP). Original number unknown.
CONDITION: Alcoholic, skull cleaned.

Genus ***ALTICOLA*** Blanford

***Microtus (Alticola) worthingtoni semicanus*** G. M. Allen
Am. Mus. Novitates 133: 6, September 30, 1924.
= *Alticola semicanus* (Allen). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 504, 1993.
HOLOTYPE: **57805**. Skin and skull. Adult male.
LOCALITY: Mongolia: Sain Noin Khan. June 5, 1922.
COLLECTOR: R. C. Andrews (AE3). Original number 1068.
CONDITION: Skin and skull complete.

Genus ***CLETHRIONOMYS*** Tilesius

***Evotomys jochelsoni*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 19: 148, March 31, 1903.
= *Clethrionomys rutilus rutilus* (Pallas). See Corbet, The mammals of the Palaearctic Region, a taxonomic review, p.98, 1978.
HOLOTYPE: **19538**. Body in alcohol, skull removed. Adult female.
LOCALITY: Russian Federation: Siberia (Yakutsk); Kolyma River, Verkhne-Kolimsk. February 1902.
COLLECTOR: W. Jochelson (JNP). Original number unknown.
CONDITION: Alcoholic, skull cleaned.

***Evotomys fuscodorsalis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 6: 103, April 14, 1894.
= *Clethrionomys gapperi gapperi* (Vigors). See Ellerman, The families and genera of living rodents, 2: 573, March 21, 1941.
HOLOTYPE: **6653/5273**. Skin and skull. Adult male.
LOCALITY: (Canada): New Brunswick; Trousers Lake. October 17, 1893.
COLLECTOR: C. P. and J. Rowley. Original number 1263.
CONDITION: Skin and skull complete.

Genus ***EOTHENOMYS*** Miller

***Microtus (Anteliomys) custos rubellus*** G. M. Allen
Am. Mus. Novitates 133: 5, September 30, 1924.
= *Eothenomys custos* (Allen). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammals of the world, a taxonomic and geographic reference, 2nd ed., p. 513, 1993.
HOLOTYPE: **44001**. Skin and skull. Adult female.
LOCALITY: China: (Yunnan); Li-chiang, Snow Mountain, 13,000 ft (3965 m) at timber line. October 13, 1916.
COLLECTOR: R. C. Andrews and E. Heller (AZE). Original number 398.
CONDITION: Skin and skull complete.

Genus ***ONDATRA*** Link

***Fiber zibethicus pallidus*** Mearns
Bull. Am. Mus. Nat. Hist. 2: 280, February 21, 1890.
= *Ondatra zibethica pallida* Mearns. See Miller, Bull. U.S. Natl. Mus. 79: 232, December 31, 1912.
LECTOTYPE: **2346/1767**. Skin and skull. Adult male.
LOCALITY: (United States): Arizona; Yavapai County, Fort Verde. September 17, 1885.
COLLECTOR: E. A. Mearns. Original numbers 241.
CONDITION: Skin and skull complete.
COMMENT: In the original description, Mearns designated two types: 2346/1767 and 2348/1763. The skull (1763) of the latter, a female, was given to the Field Museum of Natural History in January 1889. Because the elements of that type are in different institutions, AMNH 2346/1763 is here designated lectotype.

Genus ***PHENACOMYS*** Merriam

***Phenacomys constablei*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 12: 4, March 4, 1899.
= *Phenacomys intermedius intermedius* Merriam. See A. B. Howell, N. Am. Fauna 48: 15, October 12, 1926.
HOLOTYPE: **14406**. Skin and skull. Adult female.
LOCALITY: Canada: British Columbia; Telegraph Creek. August 25, 1897.
COLLECTOR: A. J. Stone (RNE). Original number 25.
CONDITION: Skin complete. Skull partial (part of parietal, interparietal, and occiput missing).

Genus ***MICROTUS*** Schrank

***Arvicola inspectus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 6: 347, December 7, 1894.
= *Microtus pennsylvanicus insperatus* (Allen). See Anderson, Can. Field Nat. 57: 92, October 17, 1943.
HOLOTYPE: **8405/6731**. Skin and skull. Adult male.
LOCALITY: (United States): South Dakota; (Custer County), Custer. August 9, 1894.
COLLECTOR: W. W. Granger. Original number 279.
CONDITION: Skin complete. Skull partial (right jugal missing, auditory bullae incomplete).

***Microtus stonei*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 12: 5, March 4, 1899.
= *Microtus pennsylvanicus drummondi* (Audubon and Bachman). See Anderson, Bull. Natl. Mus. Canada, biol ser., 102: 155, 1946.
HOLOTYPE: **14404**. Skin and skull. Adult female.
LOCALITY: (Canada): (British Columbia); Liard River,(Fort Liard). May 17, 1898.
COLLECTOR: A. J. Stone (RNE). Original number 54.
CONDITION: Skin complete. Skull partial

(occiput and braincase posterior to pterygoid region missing).

***Arvicola (Mynomes) aztecus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 5: 73, April 28, 1893.
= *Microtus pennsylvanicus modestus* Hall and Cockrum. See Anderson and Hubbard, Am. Mus. Novitates 2460: 8, April 21, 1971.
HOLOTYPE: **5170/4050**. Skin and skull. Adult male.
LOCALITY: (United States): New Mexico; (San Juan County), Aztec, 5900 ft (1799.5 m). March 20, 1892.
COLLECTOR: C. P. Rowley. Original number 12.
CONDITION: Skin complete. Skull damaged (auditory bullae incomplete).

***Microtus pennsylvanicus chihuahuaensis*** Bradley and Cockrum
Am. Mus. Novitates 2325: 4, June 19, 1968.
HOLOTYPE: **208653**. Skin, skull, and postcranial skeleton. Adult female.
LOCALITY: Mexico: Chihuahua; 3 mi (4.8 km) SE Galeana, 4400 ft (1342 m). December 20, 1964.
COLLECTOR: R. A. Mauer. Original number 601.
CONDITION: Skin complete. Skull complete. Postcranial skeleton partial.

***Microtus vellerosus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 12: 7, March 4, 1899.
= *Microtus longicaudus vellerosus* Allen. See Anderson and Rand, Can. Field Nat. 58: 20, April 1, 1944.
HOLOTYPE: **14403**. Skin and skull. Adult female.
LOCALITY: (Canada): (British Columbia); Upper Liard River. November 29, 1897.
COLLECTOR: A. J. Stone (RNE). Original number 19.
CONDITION: Skin and skull complete.

***Microtus cautus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 12: 7, March 4, 1899.
= *Microtus longicaudus vellerosus* Allen. See Anderson and Rand, Canadian Field Nat. 58: 20, April 1, 1944.
HOLOTYPE: **14405**. Skin and skull. Adult male.
LOCALITY: (Canada): (British Columbia); Liard River, Hells Gate. May 4, 1898.
COLLECTOR: A. J. Stone (RNE). Original number 46.
CONDITION: Skin and skull complete.

***Arvicola leucophaeus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 6: 320, November 7, 1894.
= *Microtus longicaudus leucophaeus* (Allen). See Goldman, J. Mammal. 19: 491, November 14, 1938.
HOLOTYPE: **8409/6734**. Skin and skull. Adult male.
LOCALITY: (United States): Arizona; (Graham County), Graham Mountains. July 18, 1894.
COLLECTOR: Price and Condit. Original number 1146.
CONDITION: Skin and skull complete.

***Arvicola mogollonensis*** Mearns
Bull. Am. Mus. Nat. Hist. 2: 283, February 21, 1890.
= *Microtus mexicanus mogollonensis* (Mearns). See Bailey, N. Am. Fauna 53: 204, March 1, 1932.
HOLOTYPE: **2351/1403**. Skin and skull. Young adult male.
LOCALITY: (United States): Arizona; (Yavapai County), Mogollon Mountains, Baker's Butte. July 26, 1887.
COLLECTOR: E. A. Mearns. Original number 613.
CONDITION: Skin complete. Skull partial (right jugal and nasals missing).

***Microtus oaxacensis*** Goodwin
Am. Mus. Novitates 2243: 1, May 19, 1966.
HOLOTYPE: **208952**. Skin, skull, and postcranial skeleton. Adult male.
LOCALITY: (Mexico): Oaxaca; Ixtlán, near Vista Hermosa, Tarabundi Ranch, 135 km N Oaxaca City (Oaxaca de Juarez). April 5, 1965.
COLLECTOR: T. MacDougall. Original number 2650.
CONDITION: Skin and skull complete. postcranial skeleton partial.

***Microtus arvalis khorkoutensis*** Goodwin
Am. Mus. Novitates 1082: 8, July 18, 1940.
HOLOTYPE: **88764**. Skin and skull. Adult female.
LOCALITY: Iran: (Khorasan); Bujnurd dis-

trict, Khorkout range near Dasht, 5000 ft (1525 m). November 22, 1938.
COLLECTOR: G. G. Goodwin (LIE). Original number 3863.
CONDITION: Skin and skull complete.

***Microtus hyrcania*** Goodwin
Am. Mus. Novitates 1082: 1, July 18, 1940.
= *Microtus socialis hyrcania* Goodwin. See Corbet, The mammals of the Palaearctic Region, a taxonomic review, p. 112, 1978.
HOLOTYPE: **88760**. Skin and skull. Adult male.
LOCALITY: Iran: (between Astrabad and Bujnard, east side of Gurgan watershed), Gouladah. November 5, 1938.
COLLECTOR: G. G. Goodwin (LIE). Original number 3768.
CONDITION: Skin and skull complete.

***Microtus gravesi*** Goodwin
Am. Mus. Novitates 742: 2, August 27, 1934.
= *Microtus socialis socialis* (Pallas). See Corbet, The mammals of the Palaearctic Region, a taxonomic review, p. 112, 1978.
HOLOTYPE: **85322**. Skin and skull. Adult male.
LOCALITY: Kazakhstan; Tuz Bulak, 150 mi (241 km) N Kizil Orda (Perovsk), 600 ft (183 m). October 21, 1929.
COLLECTOR: G. G. Goodwin (MGN). Original number 50.
CONDITION: Skin and skull complete.

Genus ***LASIOPODOMYS*** Lataste

***Microtus mandarinus faecus*** G. M. Allen
Am. Mus. Novitates 133: 8, September 30, 1924.
= *Lasiopodomys mandarinus* (Milne-Edwards). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 516, 1993.
HOLOTYPE: **56358**. Skin and skull. Adult male.
LOCALITY: China: Hopei (= Hebei); 100 mi (30.5 km) NE Peiping (= Beijing). March 1922.
COLLECTOR: R. C. Andrews (AE3). Original number 537.
CONDITION: Skin and skull complete.

Genus ***VOLEMYS*** Zagorodnyuk

***Microtus musseri*** Lawrence
Am. Mus. Novitates 2745: 6, September 21, 1982.
= *Volemys musseri* (Lawrence). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 535, 1993.
HOLOTYPE: **111533**. Skin and skull. Adult male.
LOCALITY: China: Sze-chuan (= Sichuan); Chen-Lliang Shan (= Qionglai Shan), 30 mi (48.2 km) W Wenchuan (= Wenquan). October 3, 1934.
COLLECTOR: T. D. Carter (SWC). Original number C-784.
CONDITION: Skin complete. Skull partial (part of left parietal and left auditory bulla missing).

Genus ***LEMMISCUS*** Thomas

***Microtus (Lagurus) curtatus artemisiae*** Anthony
Bull. Am. Mus. Nat. Hist. 32: 14, March 7, 1913.
= *Lemmiscus curtatus* (Cope). See Musser and Carelton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 516, 1993.
HOLOTYPE: **33547**. Skin and skull. Adult female.
LOCALITY: (United States): Oregon; Malheur County, Ironside, 4000 ft (1220 m). August 9, 1912.
COLLECTOR: H. E. Anthony. Original number 24.
CONDITION: Skin and skull complete.

Genus ***ELLOBIUS*** Fischer

***Ellobius larvatus*** G. M. Allen
Am. Mus. Novitates 133: 11, September 30, 1924.
= *Ellobius talpinus talpinus* (Pallas). See Corbet, The mammals of the Palaearctic Region, a taxonomic review, p. 117, 1978.
HOLOTYPE: **57886**. Skin and skull. Adult male.
LOCALITY: Mongolia: Artsa Bogdo (= Arts

Bogd Uul) 6500 ft (1982.5 m). August 21, 1922.
COLLECTOR: R. C. Andrews (AE3). Original number 1947.
CONDITION: Skin complete. Skull intact except for missing left and right M3 missing.

***Ellobius orientalis*** G. M. Allen
Am. Mus. Novitates 133: 12, September 30, 1924.
= *Ellobius tancrei* Blasius. See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 513, 1993.
HOLOTYPE: **57893**. Skin and skull. Adult male.
LOCALITY: (China, Nei Mongol) Mongolia: Iren Dabasu (= Erenhot). April 25, 1922.
COLLECTOR: R. C. Andrews (AE3). Original number 868.
CONDITION: Skin and skull complete.

***Ellobius fuscocapillus legendrei*** Goodwin
Am. Mus. Novitates 1082: 9, July 18, 1940.
= *Ellobius lutescens legendrei* Goodwin. See Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 658, November 19, 1951.
HOLOTYPE: **88747**. Skin and skull. Adult male.
LOCALITY: Iran: Turkman Desert (Turkman Plains, 60 km E of) Astarabad. October 25, 1938.
COLLECTOR: G. G. Goodwin (LIE). Original number 3701.
CONDITION: Skin complete. Skull partial (zygomatic arches missing).

## Subfamily **GERBILLINAE** Gray
## Genus *TATERA* Lataste

***Tatera robusta taylori*** Hatt
Am. Mus. Novitates 791: 1, April 11, 1935.
= *Tatera robusta robusta* (Cretzschmar). See Bates, Bonn. zool. Beitr. 39: 269, November 1988.
HOLOTYPE: 82300. Skin and skull. Adult female.
LOCALITY: Sudan: (Red Sea); (south of Tokar), Khor Birum. April 15, 1927.
COLLECTOR: H. E. Anthony (TSE). Original number 3111.
CONDITION: Skin complete. Skull partial (right M3 and left m3 missing; nasals broken).

***Tatera nyassae loveridgei*** Hatt
Am. Mus. Novitates 791: 2, April 11, 1935.
= *Tatera robusta robusta* (Cretzschmar). See Bates, Bonn. zool. Beitr. 39: 269, November 1988.
HOLOTYPE: **55584**. Skin and skull. Adult female.
LOCALITY: Tanganyika Territory (= Tanzania): Kilossa. December 16, 1920.
COLLECTOR: A. Loveridge. Original number unknown.
CONDITION: Skin complete. Skull partial (right zygomatic arch missing).

***Tatera negrita beniensis*** Hatt
Am. Mus. Novitates 791: 2, April 11, 1935.
= *Tatera valida valida* (Bocage). See Bates, Bonn. zool. Beitr. 39: 277, November 1988.
HOLOTYPE: **82659**. Skin and skull. Adult male.
LOCALITY: Belgian Congo (= Zaire): (Kivu); Beni, 3900 ft (1189.5 m). October 26, 1926.
COLLECTOR: J. P. Chapin. Original number 73.
CONDITION: Skin complete. Skull partial (left nasal, part of premaxillary missing).

***Taterona humpatensis*** Hill and Carter
Am. Mus. Novitates 913: 5, March 8, 1937.
= *Tatera brantsii humpatensis* Hill and Carter. See Davis, *in* Meester and Setzer (eds.), The mammals of Africa: an identification manual, pt. 6.4: 4, December 10, 1975.
HOLOTYPE: **87952**. Skin and skull. Adult female.
LOCALITY: Angola: (Huila); Humpata, 6300 ft (1921.5 m). December 2, 1932.
COLLECTOR: L. S. Bradley. Original number 610.
CONDITION: Skin complete. Skull partial (left jugal missing).

## Genus *TATERILLUS* Thomas

***Taterillus emini anthonyi*** Hatt
Am. Mus. Novitates 708: 2, April 4, 1934.
= *Taterillus emini* (Thomas). See Musser and

Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 562, 1993.
HOLOTYPE: **82211**. Skin and skull. Adult female.
LOCALITY: Sudan: White Nile; West bank of White Nile, 20 mi (32 km) S of Jebelein. February 2, 1927.
COLLECTOR: H. E. Anthony (TSE). Original number 3006.
CONDITION: Skin complete. Skull damaged (right lacrimal bone detached).

Genus ***MERIONES*** Illiger

***Meriones (Parameriones) persicus gurganensis*** Goodwin
Am. Mus. Novitates 1050: 2, December 1, 1939.
= *Meriones persicus persicus* (Blanford). See Corbet, The mammals of the Palaearctic region, a taxonomic review, p. 126, 1978.
HOLOTYPE: **88881**. Skin and skull. Adult male.
LOCALITY: Iran: Bujnurd district, Headwaters of Gurgan River, Dasht, 3200 ft (976 m). November 24, 1938.
COLLECTOR: G. G. Goodwin (LIE). Original number 3879.
CONDITION: Skin and skull complete.

***Meriones (Pallasiomys) iranensis*** Goodwin
Am. Mus. Novitates 1050: 3, December 1, 1939.
= *Meriones libycus iranensis* Goodwin. See Corbet, The mammals of the Palaearctic region, a taxonomic review, p. 127, 1978.
HOLOTYPE: **88888**. Skin and skull. Adult male.
LOCALITY: Iran: Bujnurd district, Headwaters of Gurgan River, Dasht, 3200 ft (976 m). November 23, 1938.
COLLECTOR: G. G. Goodwin (LIE). Original number 3904.
CONDITION: Skin and skull complete.

Genus ***RHOMBOMYS*** Wagner

***Rhombomys opimus sodalis*** Goodwin
Am. Mus. Novitates 1050: 4, December 1, 1938.
= *Rhombomys opimus opimus* (Lichtenstein). See Corbet, The mammals of the Palaearctic region, a taxonomic review, p. 129, 1978.
HOLOTYPE: **88867**. Skin and skull. Adult male.
LOCALITY: Iran: Incha district, Maravih, 2000 ft (610 m). November 15, 1938.
COLLECTOR: G. G. Goodwin (LIE). Original number 3823.
CONDITION: Skin and skull complete.

Subfamily **CRICETOMYINAE** Roberts
Genus ***CRICETOMYS*** Waterhouse

***Cricetomys gambianus langi*** Hatt
Am. Mus. Novitates 708: 5, April 4, 1934.
HOLOTYPE: **51153**. Skin and skull. Adult male.
LOCALITY: (Zaire): (Haut-Zaire); Faradje. January 12, 1913.
COLLECTOR: H. Lang (AMC). Original number 1198.
CONDITION: Skin and skull complete.

Subfamily **DENDROMURINAE** Alston
Genus ***DENDROMUS*** Smith

***Dendromus mesomelas vernayi*** Hill and Carter
Am. Mus. Novitates 913: 4, March 8, 1937.
= *Dendromus vernayi* Hill and Carter. See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 543, 1993.
HOLOTYPE: **85909**. Skin and skull. Adult female.
LOCALITY: (Angola): (Bié); Chitau, 4930 ft (1503.6 m). August 4, 1925.
COLLECTOR: H. Lang (VA). Original number 449.
CONDITION: Skin complete. Skull partial (right zygomatic arch missing).

Genus ***STEATOMYS*** Peters

***Steatomys pratensis kasaicus*** Hatt
Am. Mus. Novitates 708: 15, April 4, 1934.
= *Steatomys pratensis bocagei* Thomas. See Coetzee, *in* Meester and Setzer (eds.), The mammals of Africa: an identification manual, pt. 6.8: 1, August 22, 1977.
HOLOTYPE: **86077**. Skin and skull. Adult male.

LOCALITY: Congo (Zaire): Kasai District (= Kasai Occidental); Luluabourg (= Kananga). May 25, 1923.
COLLECTOR: R. Callewaert. Original number unknown.
CONDITION: Skin torn. Skull partial (zygomatic arches and right squamosal missing).

***Steatomys minutus leucorhynchus*** Hill and Carter
Am. Mus. Novitates 913: 4, March 10, 1937.
= *Steatomys krebsi angolensis* Hill and Carter. See Coetzee, *in* Meester and Setzer (eds.), The mammals of Africa: an identification manual, pt. 6.8: 3, August 22, 1977.
HOLOTYPE: **85846**. Skin and skull. Adult male.
LOCALITY: Angola: (Huila); Capelongo. July 21, 1925.
COLLECTOR: H. Lang (VA). Original number 304.
CONDITION: Skin complete. Skull partial (right jugal missing).

***Steatomys angolensis*** Hill and Carter
Am. Mus. Novitates 913: 5, March 8, 1937.
= *Steatomys krebsi angolensis* Hill and Carter. See Coetzee, *in* Meester and Setzer (eds.), The mammals of Africa: an identification manual, pt. 6.8: 3, August 22, 1977.
HOLOTYPE: **88367**. Skin and skull. Adult female.
LOCALITY: Angola: (Bié); Chitau, 4930 ft (1503.6 m). March 6, 1933.
COLLECTOR: L. S. Bradley (PBA). Original number 964.
CONDITION: Skin and skull complete.

***Steatomys angolensis bradleyi*** Hill and Carter
Am. Mus. Novitates 913: 5, March 8, 1937.
= *Steatomys krebsi angolensis* Hill and Carter. See Coetzee, *in* Meester and Setzer (eds.), The mammals of Africa: an identification manual, pt. 6.8: 3, August 22, 1977.
HOLOTYPE: **87873**. Skin and skull. Adult male.
LOCALITY: Angola: (Huila); Humpata, 6300 ft (1921.5 m). November 29, 1932.
COLLECTOR: L. S. Bradley (PBA). Original number 580.
CONDITION: Skin complete. Skull partial (zygomatic arches, frontals, and right braincase missing).

Subfamily **MURINAE** Illiger
Genus ***LOPHUROMYS*** Peters

***Lophuromys luteogaster*** Hatt
Am. Mus. Novitates 708: 4, April 4, 1934.
HOLOTYPE: **49647**. Skin and skull. Young adult female.
LOCALITY: (Zaire): (Haut-Zaire); Medje. April 10, 1914.
COLLECTOR: H. Lang. Original number 2360.
CONDITION: Skin complete. Skull partial (zygomatic arches and right side of braincase missing).
COMMENT: [written May 1993, by G. G. Musser] The holotype consisted of a skin and skull that were later found to be from different animals: the skin represents *luteogaster* but the skull is an example of what is now called *L. flavopunctatus aquilus* (see Schlitter and Robbins, 1977 and references cited there). Osgood (1936: 245), who first suggested the mismatch, noted that, "in case the assumption that the skin and skull of the type are mismatched is substantiated by later material, the skin would naturally be selected to represent the species." This action, however is unnecessary. Dr. Walter N. Verheyen, who has undertaken a systematic revision of *Lophuromys*, studied the collection at the American Museum of Natural History in May of 1993 and discovered that the skull of a *Lophuromys flavopunctatus* from Avakubi (AMNH 49643; cranium and left dentary) was an example of *L. luteogaster* and belonged with the skin of the holotype of *luteogaster*, while the skull of the holotype (cranium and both dentaries) fit with the skin from Avakubi. A subsequent check by me proved that Dr. Verheyen was correct; however, only the crania were mismatched. The dentaries of the holotype are characteristic of *luteogaster* and their molar rows occlude perfectly with the upper molars of AMNH 49643. The left dentary of AMNH 49643 has the morphological attributes of *flavopunctatus* and its toothrow occludes nicely with the upper molar row of the skull formerly associated with tthe holotype. Unquestionably, either in the field or the laboratory, the two crania were incorrectly matched with the two skins. I

have reassociated the elements and renumbered the crania.

Genus ***POGONOMYS*** Milne-Edwards

***Pogonomys lepidus huon*** Tate and Archbold
Am. Mus. Novitates 803: 6, May 18, 1935.
= *Pogonomys macrourus macrourus* Milne-Edwards. See Rümmler, Mitt. Zool. Mus. Berlin 28: 63, March 24, 1938.
HOLOTYPE: **79763**. Skin and skull. Adult male.
LOCALITY: British New Guinea (= Papua New Guinea): (Morobe); (Huon Peninsula, Cromwell Mountains), Sevia. March 20, 1929.
COLLECTOR: R. H. Beck (WSS). Original number 1499.
CONDITION: Skin complete. Skull partial (both jugals missing).

***Pogonomys lepidus derimapa*** Tate and Archbold
Am. Mus. Novitates 803: 6, May 18, 1935.
= *Pogonomys macrourus macrourus* Milne-Edwards. See Rümmler, Mitt. Zool. Mus. Berlin 28: 63, March 24, 1938.
HOLOTYPE: **101963**. Skin and skull. Adult female.
LOCALITY: (Indonesia): Dutch New Guinea (= Irian Jaya); (Paniai), Weyland Range, The Gebroeders, Mount Derimapa, 1600 m. August 16, 1930.
COLLECTOR: F. Shaw Meyer. Original number 169.
CONDITION: Skin complete. Skull partial (left jugal missing).

Genus ***CHIRUROMYS*** Thomas

***Pogonomys (Chiruromys) forbesi satisfactus*** Tate and Archbold
Am. Mus. Novitates 803: 7, May 18, 1935.
= *Chiruromys forbesi pulcher* (Thomas). See Dennis and Menzies, J. Zool. London 189: 331, 1979.
HOLOTYPE: **79828**. Skin and skull. Adult male.
LOCALITY: New Guinea (= Papua New Guinea): (Milne Bay); D'Entercasteaux Islands, Goodenough Island. November 18, 1924.
COLLECTOR: R. H. Beck (WSS). Original number unknown.
CONDITION: Skin and skull complete.

***Pogonomys (Chiruromys) pulcher major*** Tate and Archbold
Am. Mus. Novitates 803: 8, May 18, 1935.
= *Chiruromys forbesi pulcher* (Thomas). See Dennis and Menzies, J. Zool. London 189: 331, 1979.
HOLOTYPE: **79831**. Skin and skull. Adult female.
LOCALITY: New Guinea (= Papua New Guinea): (Milne Bay); D'Entercasteaux Islands, Goodenough Island. November 18, 1924.
COLLECTOR: R. H. Beck (WSS). Original number unknown.
CONDITION: Skin and skull complete.

***Pogonomys kagi*** Tate
Bull. Am. Mus.Nat. Hist. 97: 282, October 30, 1951.
= *Chiruromys lamia kagi* (Tate). See Dennis and Menzies, J. Zool. London 189: 331, 1979.
HOLOTYPE: **108458**. Skin and skull. Adult male.
LOCALITY: Papua (= Papua New Guinea): (Central); Kokoda Road, Kagi, 5000 ft (1525 m). March 11, 1937.
COLLECTOR: G. H. H. Tate. Original number 3767.
CONDITION: Skin complete. Skull partial (right squamosal missing, left auditory bulla detached).

Genus ***LORENTZIMYS*** Jentink

***Lorentzimys nouhuysii alticola*** Tate and Archbold
Am. Mus. Novitates 1101: 4, January 30, 1941.
= *Lorentzimys nouhuysii* Jentink. See Laurie and Hill, Bull. Br. Mus. (Nat. Hist.), Zool. 1: 309, December 1952.
HOLOTYPE: **150592**. Skin and skull. Adult male.
LOCALITY: Netherlands New Guinea (Irian Jaya): (Jayawijaya); 9 km NE Lake Habbema, 2700 m. October 28, 1938.
COLLECTOR: W. B. Richardson (A3). Original number 5261.
CONDITION: Skin and skull complete.

Genus ***MALLOMYS*** Thomas

***Mallomys gunung*** Flannery, Alpin, and Groves

Rec. Australian Mus. 41: 101, 1989.
HOLOTYPE: **151346**. Skin and skull. Adult male.
LOCALITY: (Indonesia): Netherlands New Guinea (= Irian Jaya); Jayawijaya, 2 km E Mount Wilhelmina, 3800 m. September 19, 1938.
COLLECTOR: Archbold and Richardson (A3). Original number 4968.
CONDITION: Skin and skull complete.

## Genus *COCCYMYS* Menzies

***Pogonomelomys ruemmleri*** Tate and Archbold
Am. Mus. Novitates 1101: 6, January 30. 1941.
= *Coccymys ruemmleri* (Tate and Archbold). See Menzies, Science in New Guinea 16: 132, 1990.
HOLOTYPE: **150669**. Skin and skull. Adult male.
LOCALITY: Netherlands New Guinea (= Irian Jaya): (Jayawijaya); Lake Habbema, 3225 m. July 26, 1938.
COLLECTOR: W. B. Richardson (A3). Original number 4523.
CONDITION: Skin complete. Skull partial (jugals missing).

***Melomys albidens*** Tate
Bull. Am. Mus. Nat. Hist. 97: 286, October 30, 1951.
= *Coccymys albidens* (Tate). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 585, 1993.
HOLOTYPE: **150821**. Skin and skull. Adult male.
LOCALITY: (Indonesia): Netherlands New Guinea (= Irian Jaya); (Jayawijaya), Lake Habbema, 3225 m. August 14, 1938.
COLLECTOR: W. B. Richardson (A3). Original number 4698.
CONDITION: Skin and skull complete.

## Genus *MELOMYS* Thomas

***Melomys shawi*** Tate and Archbold
Am. Mus. Novitates 803: 2, May 18, 1935.
= *Melomys rubex* Thomas. See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 619, 1993.
HOLOTYPE: **101959**. Skin and skull. Adult male.
LOCALITY: (Indonesia): Dutch New Guinea (= Irian Jaya); (Paniai), Weyland Range, Gebroeders, 1200 m. July 10, 1930.
COLLECTOR: F. Shaw Mayer. Original number 93.
CONDITION: Skin and skull complete.

***Melomys tafa*** Tate and Archbold
Am. Mus. Novitates 803: 1, May 18, 1935.
= *Melomys rubex* Thomas. See Flannery, The mammals of New Guinea, p. 220, 1990.
HOLOTYPE: **104341**. Skin and skull. Adult female.
LOCALITY: British Papua (= Papua New Guinea): Central; west slope of Mount Tafa, 2400 m. September 2, 1933.
COLLECTOR: R. Archbold. Original number 1494.
CONDITION: Skin and skull complete.

***Melomys moncktoni sturti*** Tate
Bull. Am. Mus. Nat. Hist. 97: 296, October 30, 1951.
= *Melomys lorentzii* (Jentink). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 617, 1993.
HOLOTYPE: **105425**. Skin and skull. Adult female.
LOCALITY: Papua (= Papua New Guinea): Western; Fly River, Sturt Island camp. October 24, 1936.
COLLECTOR: G. H. H. Tate. Original number 3059.
CONDITION: Skin and skull complete.

***Melomys cervinipes bunya*** Tate
Bull. Am. Mus. Nat. Hist. 97: 293, October 30, 1951.
HOLOTYPE: **162618**. Skin and skull. Adult female.
LOCALITY: Australia: (Queensland); (summit of) Bunya Mountain, 3500 ft (1027.5 m). January 17, 1948.
COLLECTOR: G. H. H. Tate. Original number 10015.
CONDITION: Skin and skull complete.

***Melomys cervinipes capensis*** Tate
Bull. Am. Mus. Nat. Hist. 97: 295, October 30, 1951.

= *Melomys capensis* Tate. See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 615, 1993.
HOLOTYPE: **154198**. Skin and skull. Adult male.
LOCALITY: Australia: Cape York, (Queensland); Upper Nesbit River, Rocky Scrub east of Coen, 1500 ft (457.5 m). August 18, 1948.
COLLECTOR: Tate and Van Deusen. Original number 11243.
CONDITION: Skin and skull complete.

***Melomys latipes*** Tate and Archbold
Am. Mus. Novitates 803: 3, May 18, 1935.
= *Melomys leucogaster latipes* Tate and Archbold. See Flannery, The mammals of New Guinea, p. 234, 1990.
HOLOTYPE: **104273**. Skin and skull. Subadult male.
LOCALITY: British Papua (= Papua New Guinea): Central; Baroka, near sea level. April 11, 1933.
COLLECTOR: R. Archbold. Original number 1343.
CONDITION: Skin complete. Skull partial (left maxillary with toothrow detached, left zygomatic arch missing).

***Melomys lutillus frigicola*** Tate
Bull. Am. Mus. Nat. Hist. 97: 303, October 30, 1951.
= *Melomys burtoni* (Ramsay). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 615, 1993.
HOLOTYPE: **151201**. Skin and skull. Adult male.
LOCALITY: (Indonesia): Netherlands New Guinea (= Irian Jaya); (Jayawijaya), Bele River, 18 km N Lake Habbema, 2200 m. November 23, 1938.
COLLECTOR: W. B. Richardson. Original number 6004.
CONDITION: Skin and skull complete.

***Melomys rufescens niviventer*** Tate
Bull. Am. Mus. Nat. Hist. 97: 306, October 30, 1951.
HOLOTYPE: **105431**. Skin and skull. Adult male.
LOCALITY: Papua (= Papua New Guinea): Western; left bank of Fly River, opposite Sturt Island. October 30, 1936.
COLLECTOR: G. H. H. Tate. Original number 3116.
CONDITION: Skin and skull complete.

Genus ***POGONOMELOMYS*** Rümmler

***Pogonomelomys bruijnii brassi*** Tate and Archbold
Am. Mus. Novitates 1101: 6, January 30, 1941.
= *Pogonomelomys bruijnii* (Peters and Doria). See Menzies, Science in New Guinea 16: 131, 1990.
HOLOTYPE: **105033**. Skin and skull. Adult male.
LOCALITY: Papua (= Papua New Guinea): (Western); Upper Fly River, (30 mi [48 km] above d'Albertis Junction), Oroville Camp, 60 m. August 10, 1936.
COLLECTOR: G. H. H. Tate. Original number 2527.
CONDITION: Skin and skull complete.

***Melomys sevia*** Tate and Archbold
Am. Mus. Novitates 803: 3, May 18, 1935.
= *Pogonomelomys sevia* (Tate and Archbold). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 641, 1993.
HOLOTYPE: **79755**. Skin and skull. Adult male.
LOCALITY: British New Guinea (= Papua New Guinea): (Morobe); (Huon Peninsula, Cromwell Range), Sevia, 1400 m. March 14, 1929.
COLLECTOR: R. H. Beck (WSS). Original number 1387.
CONDITION: Skin complete. Skull partial (left auditory bulla missing).

Genus ***UROMYS*** Peters

***Uromys neobrittanicus*** Tate and Archbold
Am. Mus. Novitates 803: 4, May 18, 1935.
HOLOTYPE: **99881**. Skull only. Adult male.
LOCALITY: (Papua New Guinea): Solomon Islands; New Britain. 1933.
COLLECTOR: W. F. Coultas (WSS). Original number 4.
CONDITION: Skull complete.

Genus ***XENUROMYS*** Tate and Archbold

***Xenuromys guba*** Tate and Archbold
Am. Mus. Novitates 1101: 4, January 30, 1941.
= *Xenuromys barbatus* (Milne-Edwards). See Tate, Bull. Am. Mus. Nat. Hist. 97: 284, 1951.
HOLOTYPE: **152043**. Skin and skull. Adult male.
LOCALITY: Netherlands New Guinea (= Irian Jaya): (Jayawijaya); Idenburg River, Bernhard Camp, 75 m. April 14, 1939.
COLLECTOR: W. B. Richardson (A3). Original number 7847.
CONDITION: Skin complete but lumbar region torn. Skull partial (nasals and most of frontals missing).

Genus ***LEPTOMYS*** Thomas

***Leptomys signatus*** Tate and Archbold
Am. Mus. Novitates 982: 2, May 12, 1938.
HOLOTYPE: **105792**. Skin and skull. Adult female.
LOCALITY: Papua (= Papua New Guinea): Western; north bank of Fly River, opposite Sturt Island. October 12, 1936.
COLLECTOR: G. H. H. Tate (A2). Original number 2972.
CONDITION: Skin and skull complete.

Genus ***PARALEPTOMYS*** Tate and Archbold

***Paraleptomys wilhelmina*** Tate and Archbold
Am. Mus. Novitates 1101: 1, January 30, 1941.
HOLOTYPE: **150512**. Skin and skull. Adult male.
LOCALITY: Indonesia: Netherlands New Guinea (= Irian Jaya); (Jayawijaya), 9 km NE Lake Habbema, 2800 m. October 15, 1938.
COLLECTOR: W. B. Richardson. Original number 5143.
CONDITION: Skin and skull complete.

Genus ***PSEUDOHYDROMYS*** Rümmler

***Pseudohydromys occidentalis*** Tate
Bull. Am. Mus. Nat. Hist. 97: 224, October 30, 1951.
HOLOTYPE: **150772**. Skin and skull. Adult male.
LOCALITY: (Indonesia): Netherlands New Guinea (= Irian Jaya); (Jayawijaya, N Mount Wilhelmina), Lake Habbema, 3225 m. August 8, 1938.
COLLECTOR: W. B. Richardson. Original number 4635.
CONDITION: Skin and skull complete.

Genus ***HYDROMYS*** E. Geoffroy

***Hydromys neobrittanicus*** Tate and Archbold
Am. Mus. Novitates 803: 8, May 18, 1935.
HOLOTYPE: **99867**. Skin and skull. Adult female.
LOCALITY: (New Guinea): (East New Britain); New Britain, Wide Bay, Balayang, Bainings, 2500 ft (762.5 m). March 4, 1933.
COLLECTOR: W. F. Coultas (WSS). Original number 44022.
CONDITION: Skin complete. Skull partial (left auditory bulla missing).

***Hydromys habbema*** Tate and Archbold
Am. Mus. Novitates 1101: 3, January 30, 1941.
HOLOTYPE: **110055**. Skin and skull. Adult male.
LOCALITY: (Indonesia): Netherlands New Guinea (= Irian Jaya); (Jayawijaya, 15 km N Mount Wilhelmina), Lake Habbema, 3225 m. August 18, 1938.
COLLECTOR: W. B. Richardson. Original number 4722.
CONDITION: Skin and skull complete.

Genus ***MICROHYDROMYS*** Tate and Archbold

***Microhydromys richardsoni*** Tate and Archbold
Am. Mus. Novitates 1101: 2, January 30, 1941.
HOLOTYPE: **152079**. Skin and skull. Adult male.
LOCALITY: (Indonesia): Netherlands New Guinea (= Irian Jaya); (Jayawijaya), Idenburg River, 4 km SW Bernhard Camp, 850 m. March 16, 1939.
COLLECTOR: W. B. Richardson (A3). Original number 7677.
CONDITION: Skin complete. Skull in fragments.

Genus ***CONILURUS*** Ogilby

***Conilurus randi*** Tate and Archbold
Am. Mus. Novitates 982: 1, May 12, 1938.
= *Conilurus penicillatus randi* Tate and Archbold. See Tate, Bull. Am. Mus. Nat. Hist. 97: 272, October 30, 1951.
HOLOTYPE: **105636**. Skin and skull. Adult female.
LOCALITY: Papua (Papua New Guinea): Western; between Wassi Kussa and Morehead River, Penzara, 20 m. December 16, 1936.
COLLECTOR: A. L. Rand (A2). Original number 3346.
CONDITION: Skin partial (end of tail missing). Skull incomplete (left jugal missing).

Genus ***LENOMYS*** Thomas

***Lenomys meyeri lampo*** Tate and Archbold
Am. Mus. Novitates 803: 5, May 18, 1935.
HOLOTYPE: **101128**. Skin and skull. Adult female.
LOCALITY: (Indonesia): South Celebes (Southwestern Sulawesi); Wawa Karaing (Wawokaraeng), Lampobatang Mountain (Gunung Lompobatang), 2200 m. September 13, 1931.
COLLECTOR: G. Heinrich. Original number 401.
CONDITION: Skin and skull complete.

Genus ***TATEOMYS*** Musser

***Tateomys rhinogradoides*** Musser
Am. Mus. Novitates 2384: 3, August 15, 1969.
HOLOTYPE: **196591**. Skin and cranium. Adult male.
LOCALITY: Indonesia: Southern Celebes (South Sulawesi); Latimodjong Mountains (Pegunungan Latimojong), 2200 m. June 26, 1930.
COLLECTOR: G. Heinrich. Original number 37.
CONDITION: Skin complete. Skull partial (right tip and side of braincase, right jugal, right M2 and M3, part of interorbital, and mandible missing).
COMMENT: Corbet and Hill (1992: 388) included *Tateomys* in *Melasmothrix*.

Genus ***HAPALOMYS*** Blyth

***Hapalomys marmosa*** G. M. Allen
Am. Mus. Novitates 270: 12, May 31, 1927.
= *Hapalomys delacouri marmosa* Allen. See Musser, Am. Mus. Novitates 2503: 19, November 9, 1972.
HOLOTYPE: **59046**. Skin only. Adult female.
LOCALITY: (China): Hainan; Nodoa (Dan Xian). December 27, 1922.
COLLECTOR: C. H. Pope (AE3). Original number 307.
CONDITION: Skin complete.

Genus ***CHIROPODOMYS*** Peters

***Chiropodomys karlkoopmani*** Musser
Bull. Am. Mus. Nat. Hist. 169: 389, April 3, 1979.
HOLOTYPE: **103305**. Skin and skull. Adult female.
LOCALITY: (Indonesia): Mentawai Islands (Kepulauan Mentawi; North Pagai Island (= Pulau Pagai Utara). January 18, 1935.
COLLECTOR: J. J. (Menden). Original number 235.
CONDITION: Skin incomplete (distal section of tail missing). Skull partial (left jugal and left dentary missing).

Genus ***VERNAYA*** Anthony

***Chiropodomys fulvus*** G. M. Allen
Am. Mus. Novitates 270: 11, May 31, 1927.
= *Vernaya fulva* (Allen). See Anthony, Publ. Field Mus. Nat. Hist., zool. ser. 27: 112, December 8, 1941.
HOLOTYPE: **43989**. Skin and skull. Adult female.
LOCALITY: China: Yunnan; Mekong River (= Lancang Jiang), Yin-pan-kai (= Ying-pan), 9000 ft (2745 m). December 24, 1916.
COLLECTOR: R. C. Andrews and R. Heller (AZE). Original number 1238.
CONDITION: Skin complete. Skull partial (jugals missing).

Genus ***NIVIVENTER*** Marshall

***Rattus huang vulpicolor*** G. M. Allen
Am. Mus. Novitates 217: 14, June 16, 1926.
= *Niviventer fulvescens* (Gray). See Musser,

Bull. Am. Mus. Nat. Hist. 168: 237, June 19, 1981.
HOLOTYPE: **43297**. Skin and skull. Adult male.
LOCALITY: China: (Yunnan); at Burma border, Nam Ting River, (= Nanding He), 1700 ft (518 m). February 23, 1917.
COLLECTOR: R. C. Andrews and E. Heller (AZE). Original number 1653.
CONDITION: Skin and skull complete.

***Rattus confucianus lotipes*** G. M. Allen
Am. Mus. Novitates 217: 11, June 16, 1926.
= *Niviventer fulvescens* (Gray). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., pp. 501–755, 1993.
HOLOTYPE: **59303**. Skin and skull. Adult female.
LOCALITY: China: Hainan; near Nodoa (= Dan Xian). February 9, 1923.
COLLECTOR: C. Pope (AE3). Original number 954.
CONDITION: Skin and skull complete.

Genus ***MAXOMYS*** Sody

***Rattus palawanensis*** Taylor
Philippine Land Mammals, Monogr. Bur. Sci. 30: 416, 1934.
= *Maxomys panglima* (Robinson). See Musser, Marshall and Boeadi, J. Mammal. 60: 593, August 20, 1979.
HOLOTYPE: **242112**. Skin and skull. Adult female.
LOCALITY: Philippine Islands: Palawan; Sir John Brook's Point. October 1923.
COLLECTOR: E. H. Taylor. Original number 32.
CONDITION: Skin complete but faded. Skull complete.

***Rattus aspinatus*** Tate and archbold
Am. Mus. Novitates 802: 9, May 18, 1935.
= *Maxomys musschenbroekii* (Jentink). See Musser, Marshall and Boeadi, J. Mammal. 60: 593, August 20, 1979.
HOLOTYPE: **101281**. Skin and skull. Subadult female.
LOCALITY: (Indonesia): (Northern Sulawesi); North Celebes, Ile-Ile. December 4, 1930.
COLLECTOR: G. Heinrich. Original number 146.
CONDITION: Skin complete. Skull damaged (braincase in fragments).

Genus ***MASTOMYS*** Thomas

***Mastomys coucha itigensis*** Hatt
Am. Mus. Novitates 791: 3, April 10, 1935.
= *Mastomys natalensis* (A. Smith). See Misonne, *in* Meester and Setzer (eds.), The mammals of Africa: an identification manual, pt. 6: 24, September 10, 1974.
HOLOTYPE: **55571**. Skin and skull. Adult female.
LOCALITY: (Tanzania): (Singida); Gwaos near Itigi. October 10, 1921.
COLLECTOR: A. Loveridge. Original number unknown.
COLLECTOR: Skin and skull complete.

Genus ***PRAOMYS*** Thomas

***Praomys jacksoni minor*** Hatt
Am. Mus. Novitates 708: 11, April 4, 1934.
= *Praomys minor* Hatt. See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic refrence, 2nd ed., p. 643, 1993.
HOLOTYPE: **86816**. Skin and skull. Adult male.
LOCALITY: Belgian Congo (= Zaire): (Equateur); Lukolela. July 31, 1930.
COLLECTOR: J. P. Chapin. Original number 2035.
CONDITION: Skin complete. Skull partial (left zygomatic arch and wall of braincase missing).

***Praomys jacksoni octomastis*** Hatt
Am. Mus. Novitates 1070: 2, May 17, 1940.
= *Praomys delectorum* (Thomas). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed. p. 642, 1993.
HOLOTYPE: **55718**. Skin and skull. Adult female.
LOCALITY: Tanganyika Territory (= Tanzania): (Arusha); Old Mbulu Reserve, 6000 ft (1830 m). November 28, 1928.
COLLECTOR: Rockefeller, Murphy and Moses. Original number T1.

CONDITION: Skin complete but with large ventral bald spot. Skull partial (zygomatic arches missing).

Genus ***MALACOMYS*** Milne-Edwards

***Praomys tullbergi lukolelae*** Hatt
Am. Mus. Novitates 708: 13, April 4, 1934.
= *Malacomys lukolelae* (Hatt). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 608, 1993.
HOLOTYPE: **86811**. Skin and skull. Adult male.
LOCALITY: Belgian Congo (= Zaire): (Equateur); Lukolela. August 6, 1930.
COLLECTOR: J. P. Chapin (CHE). Original number 2055.
CONDITION: Skin complete. Skull partial (left jugal missing).

Genus ***MUS*** Linnaeus

***H[esperomys] indianus*** Wied
Arch. für Naturgesch. (Weigmann) 1: 111, 1862.
= *Mus musculus* Linnaeus. See J. A. Allen, Bull. Am. Mus. Nat. Hist. 3: 290, June 30, 1891.
HOLOTYPE: **575**. Skin only.
LOCALITY: (United States): Indiana; New Harmony. 1823.
COLLECTOR: Maximilan Wied-Neuwied. Original number unknown.
CONDITION: Skin faded (formerly mounted).

***Mus musculus kaleh-peninsularis*** Goodwin
Am. Mus. Novitates 1082: 10, July 18, 1940.
= *Mus musculus musculus* Linnaeus. See Schwarz, J. Mammal. 24: 67, February 1943.
HOLOTYPE: **88822**. Skin and skull. Adult female.
LOCALITY: Iran: Mazandran, Main Kaleh (= Mian-Kelah) Peninsula, 60 ft (18 m) below sea level. October 16, 1938.
COLLECTOR: G. G. Goodwin (LIE). Original number 3658.
CONDITION: Skin complete. Skull partial (zygomatic arches missing).

***Mus musculus jalapae*** J. A. Allen and Chapman
Bull. Am. Mus. Nat. Hist. 9: 198, June 16, 1897.
= *Mus musculus brevirostris* Waterhouse. See Schwarz, J. Mammal. 24: 64, February 1943.
HOLOTYPE: **12520/10830**. Skin and skull. Adult female.
LOCALITY: Mexico: Vera Cruz; Jalapa, 4400 ft (1342 m). April 14, 1897.
COLLECTOR: F. M. Chapman. Original number 1240.
CONDITION: Skin complete. Skull partial (braincase missing).

***Mus bactrianus tantillus*** G. M. Allen
Am. Mus. Novitates 270: 9, May 31, 1927.
= *Mus musculus tantillus* G. Allen. See Marshall, Bull. Am. Mus. Nat. Hist. 158: 214, February 28, 1977.
HOLOTYPE: **56413**. Skin and skull. Adult female.
LOCALITY: China: Sze-chuan (= Sichuan); Wanhsien (= Wanxian). October 10, 1921.
COLLECTOR: W. W. Granger (AE3). Original number 51.
CONDITION: Skin and skull complete.
COMMENT: Original description is of an adult female. Marshall (personal commun.) pointed out that AMNH 56413 is an immature male and all of the specimens in the type series at AMNH are immatures. He thinks the specimen described by Allen is AMNH 56416, which was exchanged with MCZ and now bears the number MCZ 23476. The measurements published in the original description of the type fit AMNH 56416, as does the collection date.

***Leggada cookii meator*** G. M. Allen
Am. Mus. Novitates 270: 6, May 31, 1927.
= *Mus pahari pahari* Thomas. See Marshall, Bull. Am. Mus. Nat. Hist. 158: 211, February 28, 1977.
HOLOTYPE: **43609**. Skin and skull. Adult male.
LOCALITY: China: Yunnan; Shweli River (= Longchuan Jiang), Tai-ping-pu, 8000 ft (2440 m). April 9, 1917.
COLLECTOR: R. C. Andrews and E. Heller (AZE). Original number 1869.

CONDITION: Skin complete. Skull partial (right dentary missing).

Genus ***APODEMUS*** Kaup

***Apodemus flavicollis alpinus*** Heinrich
Zool. Jahrb. Abt. Syst. Oekol. Geogr. Tiere 80: 114, 1951. (Name preoccupied by *Mus sylvaticus alpinus* Burg 1911.)

***Apodemus flavicollis alpicola*** Heinrich
J. Mamm. 33: 200, May 1952.
= *Apodemus alpicola* Heinrich. See Storch and Lütt, Z. Säugetierk. 54: 337–346, 1989.
HOLOTYPE: **145921**. Skin and skull. Adult female.
LOCALITY: (Germany): Bavaria; Allgäu, Osterach-tal, 1100 m. September 4, 1949.
COLLECTOR: G. Heinrich. Original number 4632.
CONDITION: Skin and skull complete.

Genus ***GRAMMOMYS*** Thomas

***Thamnomys (Grammomys) surdaster callithrix*** Hatt
Am. Mus. Novitates 708: 11, April 4, 1934.
= *Grammomys macmillani* (Wroughton). See Hutterer and Deiterlen, Stuttgart Beitr. Naturk., ser. A, 374: 8, December 31, 1984.
HOLOTYPE: **49789**. Skin and skull. Adult male.
LOCALITY: (Zaire): (Haut-Zaire); Garamba. March 14, 1912.
COLLECTOR: H. Lang (LCC). Original number 1876.
CONDITION: Skin and skull complete.

***Grammomys surdaster angolensis*** Hill and Carter
Am. Mus. Novitates 913: 4, March 8, 1937.
= *Grammomys dolichurus surdaster* (Thomas and Wroughton). See Hutterer and Deiterlen, Stuttgart Beitr. Naturk., ser. A, 374: 8, December 31, 1984.
HOLOTYPE: **81947**. Skin and skull. Adult male.
LOCALITY: Angola: (Bié); Chitau, 4930 ft (1503.6 m). August 19, 1932.
COLLECTOR: L. S. Bradley (PBA). Original number 47.
CONDITION: Skin complete. Skull partial (left zygomatic arch and right M1 missing).

Genus ***THAMNOMYS*** Thomas

***Thamnomys venustus schoutedeni*** Hatt
Am. Mus. Novitates 708: 9, April 4, 1934.
= *Thamnomys venustus* Thomas. See Misonne, *in* Meester and Setzer (eds.), The mammals of Africa: an identification manual, pt. 6: 30, September 10 1974.
HOLOTYPE: **50066**. Skin and skull. Adult female.
LOCALITY: (Zaire): (Haut-Zaire); Medje. June 14, 1914.
COLLECTOR: H. Lang (LCC). Original number 2407.
CONDITION: Skin and skull complete.

***Thamnomys kempi major*** Hatt
Am. Mus. Novitates 708: 10, April 4, 1934.
HOLOTYPE: **82693**. Skin and skull. Adult male.
LOCALITY: (Zaire): (Kivu); north slope of Mount Karisimbi, Lukumi, 12,000 ft (3660 m). June 17, 1927.
COLLECTOR: J. P. Chapin (RK). Original number 318.
CONDITION: Skin and skull complete.

Genus ***AETHOMYS*** Thomas

***Aethomys vernayi*** Hill and Carter
Am. Mus. Novitates 913: 1, March 8, 1937.
= *Aethomys kaiseri vernayi* Hill and Carter. See Davis, *in* Meester and Setzer (eds.), The mammals of Africa: an identification manual, pt. 6.6: 2, December 10, 1975.
HOLOTYPE: **85735**. Skin and skull. Adult male.
LOCALITY: Angola: (Uíge); 20 km E Dande, Chissonque. August 4, 1925.
COLLECTOR: H. Lang and Boulton (VA). Original number 763.
CONDITION: Skin complete. Skull partial (right occipital region missing).

***Aethomys avunculus phippsi*** Hill and Carter
Am. Mus. Novitates 913: 3, March 8, 1937.
= *Aethomys namaquensis* (Smith). See Davis, *in* Meester and Setzer (eds.), The mammals of Africa: an identification manual, pt. 6.6: 4, December 10, 1975.
HOLOTYPE: **87855**. Skin and skull. Adult male.

LOCALITY: Angola: (Huíla); Humpata, 6300 ft (1921.5 m). December 7, 1932.
COLLECTOR: L. S. Bradley (PBA). Original number 645.
CONDITION: Skin and skull complete.

Genus ***DASYMYS*** Peters

***Dasymys nudipes edsoni*** Hatt
Am. Mus. Novitates 808: 6, April 4, 1934.
= *Dasymys incomtus edsoni* Hatt. See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 589, 1993.
HOLOTYPE: **86889**. Skin and skull. Adult male.
LOCALITY: Belgian Congo (= Zaire): (Equateur); Lukolela. November 8, 1930.
COLLECTOR: J. P. Chapin (CHE). Original number 2179.
CONDITION: Skin complete. Skull damaged (left M3 missing, left auditory bulla partial).

Genus ***ARVICANTHIS*** Lesson

***Arvicanthis nairobae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 26: 168, March 19, 1909.
HOLOTYPE: **27877**. Skin and skull. Adult male.
LOCALITY: British East Africa (= Kenya): Nairobi. May 24, 1906.
COLLECTOR: H. Lang (TEA). Original number 40/16.
CONDITION: Skin and skull complete.

Genus ***LEMNISCOMYS*** Trouessart

***Lemniscomys oweni orientalis*** Hatt
Am. Mus. Novitates 790: 2, April 10, 1935.
= *Lemniscomys barbarus oweni* Hatt. See Misonne, *in* Meester and Setzer (eds.), The mammals of Africa: an identification manual, pt. 6: 24, September 10, 1974.
HOLOTYPE: **49626**. Skin and skull. Adult male.
LOCALITY: (Zaire): (Haut-Zaire); Faradje. March 16, 1911.
COLLECTOR: H. Lang (AMC). Original number 1531.
CONDITION: Skin and skull complete.

Genus ***RATTUS*** Fischer

***Rattus rattus hainanicus*** G. M. Allen
Am. Mus. Novitates 217: 3, June 16, 1926.
= *Rattus sikkimensis* Hinton. See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 659, 1993.
HOLOTYPE: **59223**. Skin and skull. Adult female.
LOCALITY: China: Hainan; Nam Fong (= Nanfeng, 19°24′N, 109°32′E). February 15, 1923.
COLLECTOR: C. Pope (AE3). Original number 741.
CONDITION: Skin and skull complete.

***Mus kijabius*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 26: 169, March 19, 1909.
= *Rattus rattus* (Linneaus). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 658, 1993.
HOLOTYPE: **27881**. Skin and skull. Subadult male.
LOCALITY: British East Africa (= Kenya): Kijabi, 2150 m. June 8, 1906.
COLLECTOR: H. Lang (TEA). Original number 79/31.
CONDITION: Skin complete. Skull partial (left jugal missing).

***Rattus rattus keelingensis*** Tate
Bull. Raffles Mus. Singapore 22: 276, April 1950.
= *Rattus tanezumi* (Temminck). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 660, 1993.
HOLOTYPE: **150162**. Skin and skull. Adult female.
LOCALITY: (Australia): Indian Ocean, Cocos-Keeling Group; Direction Island. December 27, 1940.
COLLECTOR: C. A. Gibson-Hill. Original number 4041.
CONDITION: Skin and skull complete.

***Rattus rattus palembang*** Tate and Archbold
Am. Mus. Novitates 802: 1, May 18, 1935.
= *Rattus tanezumi* (Temminck). See Musser

and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 660, 1993.
HOLOTYPE: **102587**. Skin and skull. Adult female.
LOCALITY: (= Indonesia): (Sumatra); Palembang, Morcarah Doewa. June 3, 1934.
COLLECTOR: J. J. Menden. Original number 138.
CONDITION: Skin and skull complete.

***Rattus mindanensis tablasi*** Taylor
Philippine land mammals, Monogr. Bur. Sci. 30: 439, 1934.
= *Rattus tanezumi* (Temmnick). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 660, 1993.
HOLOTYPE: **242134**. Body in alcohol, skull removed.
LOCALITY: Philippine Islands: Tablas, Odioñgan. January 18, 1933.
COLLECTOR: E. H. Taylor. Original number 652.
CONDITION: Alcoholic, skull cleaned.

***Rattus lalolis*** Tate and Archbold
Am. Mus. Novitates 802: 2, March 18, 1935.
= *Rattus tanezumi* (Temmnick). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 660, 1993.
HOLOTYPE: **101024**. Skin and skull. Adult female.
LOCALITY: (Indonesia): Southeast Celebes (= Southeast Sulawesi); (30 m [48 km] SE Mengkoka Mountains [Pegunungan Mekongga]), Lalolis, 300 m. December 6, 1931.
COLLECTOR: G. Heinrich. Original number 635.
CONDITION: Skin complete. Skull partial (jugals, basisphenoid, and pterygoid missing).

***Rattus humiliatus celsus*** G. M. Allen
Am. Mus. Novitates 217: 5, June 16, 1926.
= *Rattus turkestanicus* (Satunin). See Musser and Newcomb, Am. Mus. Novitates 2814: 16, April 11, 1985.
HOLOTYPE: **43393**. Skin and skull. Adult female.
LOCALITY: China: (Yunnan); West bank of Yangtze (= Chang Jiang), Taku Ferry, 6000 ft (1830 m). November 20, 1916.
COLLECTOR: R. C. Andrews and E. Heller (AZE). Original number 913.
CONDITION: Skin and skull complete.

***Rattus hoffmanni mengkoka*** Tate and Archbold
Am. Mus. Novitates 802: 3, May 18, 1935.
= *Rattus hoffmanni* (Matschie). See Musser and Holden, Bull. Am. Mus. Nat. Hist. 206: 337, September 12, 1991.
HOLOTYPE: **101062**. Skin and skull. Adult male.
LOCALITY: (Indonesia): Southeast Celebes (Southeast Sulawesi); Wawo, Mengkoka Mountains (Pegunungan Mekongga), 50 m. January 24, 1932.
COLLECTOR: G. Heinrich. Original number 827.
CONDITION: Skin and skull complete.

***Rattus mollicomulus*** Tate and Archbold
Am. Mus. Novitates 802: 4, May 18, 1935.
HOLOTYPE: **101134**. Skin and skull. Adult female.
LOCALITY: (Indonesia): (Southwest Sulawesi); Southwest Celebes, Mount Lampobatang (Gunung Lompobatang), Wawokaraeng, 1500 m. September 13, 1931.
COLLECTOR: G. Heinrich. Original number 402.
CONDITION: Skin complete. Skull damaged (braincase in separate fragments).

***Rattus koopmani*** Musser and Holden
Bull. Am. Mus. Nat. Hist. 206: 389, September 12, 1991.
HOLOTYPE: **109203**. Skin and skull. Adult female.
LOCALITY: (Indonesia): Celebes (= Sulawesi); Pulau Peleng. July 15, 1938.
COLLECTOR: J. J. Menden. Original number 65.
CONDITION: Skin complete. Skull partial (right jugal missing).

***Mus luteiventris*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 28: 14, January 29, 1910.
= *Rattus exulans luteiventris* (Allen). See San-

born, Fieldiana Zool. 33: 124, November 28, 1952.
HOLOTYPE: **29715**. Skin and skull. Adult male.
LOCALITY: Philippine Islands: Palawan; Iwahig. Received November 3, 1909.
COLLECTOR: J. R. White.
CONDITION: Skin complete, with bald spots on right nape and side. Skull partial (braincase missing).

***Rattus salocco*** Tate and Archbold.
Am. Mus. Novitates 802: 7, May 18, 1935.
= *Rattus xanthurus salocco* Tate and Archbold. See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 662, 1993.
HOLOTYPE: **101119**. Skin and skull. Adult female.
LOCALITY: (Indonesia): (Sulawesi); Southeast Celebes, Mengkoka Range (Pegunungan Mekongga), Tanka Salocco, 1500 m. January 6, 1932.
COLLECTOR: G. Heinrich. Original number 717.
CONDITION: Skin complete. Skull intact except for missing right m2 and m3.

***Rattus leucopus mcilwraithi*** Tate
Bull. Am. Mus. Nat. Hist. 97: 335, October 30, 1951.
HOLOTYPE: **153968**. Skin and skull. Adult male.
LOCALITY: Australia: (Queensland); Cape York Peninsula, Upper Nesbit River 20 mi (32 km) E Coen, 1500 ft (457.5 m). August 17, 1948 (not April, as listed in the type description).
COLLECTOR: G. H. H. Tate. Original number 11236.
CONDITION: Skin and skull complete.

***Rattus leucopus cooktownensis*** Tate
Bull. Am. Mus. Nat. Hist. 97: 336, October 30, 1951.
HOLOTYPE: **153986**. Skin and skull. Adult male.
LOCALITY: Australia: (Queensland); Cape York, 30 mi (48 km) S Cooktown, Shipton's Flat, 900 ft (274.5 m). September 5, 1948.
COLLECTOR: G. H. H. Tate. Original number 11376.
CONDITION: Skin and skull complete.

***Rattus steini baliemensis*** Taylor and Calaby
Bull. Am. Mus. Nat. Hist. 173: 253, July 30, 1982.
HOLOTYPE: **110283**. Skin and skull. Adult female.
LOCALITY: (Indonesia): (Irian Jaya); Baliem River, 1600 m. December 14, 1938.
COLLECTOR: W. B. Richardson. Original number 7216.
CONDITION: Skin and skull complete.

***Rattus lacus*** Tate
Bull. Am. Mus. Nat. Hist. 97: 347, October 30, 1951.
= *Rattus lutreolus lacus* Tate. See Taylor and Horner, Am. Mus. Novitates 2281: 11, January 30, 1967.
HOLOTYPE: **107312**. Skin and skull. Adult male.
LOCALITY: Australia: (Queensland); (Atherton Tableland), Lake Barrine, 2400 ft (732 m). October 21, 1931.
COLLECTOR: G. Neuhauser. Original number 88.
CONDITION: Skin and skull complete.

***Rattus brachyrhinus*** Tate and Archbold
Am. Mus. Novitates 802: 4, May 18, 1935.
= *Rattus sordidus gestri* (Thomas). See Taylor and Calaby, Bull. Am. Mus. Nat. Hist. 173: 269, July 30, 1982.
HOLOTYPE: **104210**. Skin and skull. Adult male.
LOCALITY: British New Guinea (= Papua New Guinea): Central; Baroka, (near mouth of Angabunga [= St. Joseph's River]), 30 m. April 8, 1933.
COLLECTOR: R. Archbold and A. L. Rand. Original number 1332.
CONDITION: Skin and skull complete.

## Genus *STENOMYS* Thomas

***Rattus richardsoni*** Tate
Am. Mus. Novitates 1421: 1, July 29, 1949.
= *Stenomys richardsoni* (Tate). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 665, 1993.
HOLOTYPE: **150701**. Skin and skull. Adult male.
LOCALITY: (Indonesia): Netherlands New Guinea (= Irian Jaya); (Jayawijaya), (north

of Mount Wilhelmina), Lake Habbema, 3225 m. August 2, 1938.
COLLECTOR: W. B. Richardson. Original number 4556.
CONDITION: Skin and skull complete.

***Rattus verecundus vandeuseni*** Taylor and Calaby
Bull. Am. Mus. Nat. Hist. 173: 211, July 30, 1982.
= *Stenomys vandeuseni* (Taylor and Calaby). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 665, 1993.
HOLOTYPE: **157905**. Skin and skull. Adult female.
LOCALITY: Territory of Papua (= Papua New Guinea: (Milne Bay); Maneau Range, North slope of Mount Dayman, 1540 m. July 10, 1953.
COLLECTOR: H. M. Van Deusen. Original number 12600.
CONDITION: Skin and skull complete.

Genus ***TAEROMYS*** Sody

***Rattus arcuatus*** Tate and Archbold
Am. Mus. Novitates 802: 9, May 18, 1935.
= *Taeromys arcuatus* (Tate and Archbold). See Musser and Newcomb, Bull. Am. Mus. Nat. Hist. 174: 487, June 29, 1983.
HOLOTYPE: **101111**. Skin and skull. Adult female.
LOCALITY: (Indonesia): (Sulawesi); Southeast Celebes, Mengkoka Range (Pegunungan Mekongga), Tanka Salocco, 1500 m. January 11, 1932.
COLLECTOR: G. Heinrich. Original number 746.
CONDITION: Skin and skull complete.

***Rattus microbullatus*** Tate and Archbold
Am. Mus. Novitates 802: 8, May 18, 1935.
= *Taeromys callitrichus microbullatus* (Tate and Archbold). See Musser, Am. Mus. Novitates 2440: 30, December 15, 1970. See also Musser and Newcomb, Bull. Am. Mus. Nat. Hist., 174: 487, June 29, 1983.
HOLOTYPE: **101108**. Skin and skull. Adult male.
LOCALITY: (Indonesia): (Sulawesi); Southeast Celebes, Mengkoka Range (Pegunungan Mekongga), Tanka Salocco, 1500 m. January 4, 1932.
COLLECTOR: G. Heinrich. Original number 706.
CONDITION: Skin complete. Skull partial (left jugal missing).

Genus ***BUNOMYS*** Thomas

***Rattus penitus inferior*** Tate and Archbold
Am. Mus. Novitates 802: 6, May 18, 1935.
= *Bunomys andrewsi* (J. A. Allen). See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 581, 1993.
HOLOTYPE: **101059**. Skin and skull. Adult male.
LOCALITY: (Indonesia): (Sulawesi); Southeast Celebes, Mengkoka Range (Pegunungan Mekongga), Wawo, 50 m. January 23, 1932.
COLLECTOR: G. Heinrich. Original number 808.
CONDITION: Skin complete. Skull partial (jugals and right m3 missing).

***Rattus penitus heinrichi*** Tate and Archbold
Am. Mus. Novitates 802: 6, May 18, 1935.
= *Bunomys heinrichi* (Tate and Archbold). See Musser, Am. Mus. Novitates 3001: 20, March 7, 1991.
HOLOTYPE: **101006**. Skin and skull. Adult male.
LOCALITY: (Indonesia): (Sulawesi); Southwest Celebes, Mount Lampobatang (Gunung Lompobatang), Lambasang (Lombasang), 1100 m. August 31, 1931.
COLLECTOR: G. Heinrich. Original number 365.
CONDITION: Skin complete. Skull partial (hole in parietals, jugals missing).

***Rattus brevimolaris*** Tate and Archbold
Am. Mus. Novitates 802: 7, May 18, 1935.
= *Bunomys chrysocomus* (Hoffmann). See Musser, Bull. Am. Mus. Nat. Hist. 169: 115, September 24, 1981.
HOLOTYPE: **101055**. Skin and skull. Adult male.
LOCALITY: (Indonesia): (Sulawesi); Southeast Celebes, Lalolis, 30 mi (48 km) SE Mengkoka Mountains (Pegunungan Mekongga), 300 m. February 15, 1932.
COLLECTOR: G. Heinrich. Original number 891.
CONDITION: Skin complete. Skull partial

(right zygomatic arch and left jugal missing).

***Bunomys coelestis koka*** Tate and Archbold.
Am. Mus. Novitates 802: 1, May 18, 1935.
= *Bunomys chrysocomus* (Hoffmann). See Musser, Bull. Am. Mus. Nat. Hist. 169: 115, September 24, 1981.
HOLOTYPE: **101236**. Skin and skull. Adult female.
LOCALITY: (Indonesia): (Sulawesi); Southeast Celebes, Mengkoka Range (Pegunungan Mekonna), Tanka Salocco, 1500 m. January 11, 1932.
COLLECTOR: G. Heinrich. Original number 753.
CONDITION: Skin complete. Skull partial (left jugal and left M3 missing.

Genus ***NESOKIA*** Gray

***Nesokia insularis*** Goodwin
Am. Mus. Novitates 1082: 12, July 18, 1940.
= *Nesokia indica indica* Gray. See Corbet, The mammals of the Palaearctic region: a taxonomic review, p. 143, 1978.
HOLOTYPE: **88845**. Skin and skull. Adult male.
LOCALITY: Iran: Mazadaran; East end of Main (= Mian) Kaleh Peninsula, 60 ft (18 m). October 15, 1938.
COLLECTOR: G. G. Goodwin (LIE). Original number 3643.
CONDITION: Skin and skull complete.

***Nesokia legendrei*** Goodwin
Am. Mus. Novitates 1048: 1, November 22, 1939.
= *Nesokia indica indica* Gray. See Corbet, The mammals of the Palaearctic region: a taxonomic review, p. 143, 1978.
HOLOTYPE: **88861**. Skin and skull. Adult male.
LOCALITY: Iran: (Khorãsãn); Bujnurd (= Bojnũrd) area, Gouladah, 3200 ft (976 m). November 10, 1938.
COLLECTOR: G. G. Goodwin (LIE). Original number 3797.
CONDITION: Skin and skull complete.

Subfamily **OTOMYINAE** Thomas
Genus ***OTOMYS*** F. Cuvier

***Otomys tropicalis faradjius*** Hatt
Am. Mus. Novitates 708: 1, April 4, 1934.
HOLOTYPE: **50357**. Skin and skull. Adult male.
LOCALITY: Congo (= Zaire): (Haut-Zaire); Faradje. March 26, 1911.
COLLECTOR: J. P. Chapin (AMC). Original number 1561.
CONDITION: Skin complete. Skull intact except for missing both M2s.

***Otomys cuanzensis*** Hill and Carter
Am. Mus. Novitates 913: 7, March 8, 1937.
= *Otomys maximus* Roberts. See Musser and Carleton, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 681, 1993.
HOLOTYPE: **85841**. Skin and skull. Adult male.
LOCALITY: Angola: (Bié); Chitau, 4930 ft (1503.6 m). August 4, 1925.
COLLECTOR: H. Lang (VA). Original number 410.
CONDITION: Skin complete. Skull partial (right jugal missing).

Subfamily **MYOSPALACINAE** Lilljeborg
Genus ***MYOSPALAX*** Laxmann

***Myotalpa rufescens*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 26: 428, October 21, 1909.
= *Myospalax fontanieri cansus* (Lyons). See G. M. Allen, The mammals of China and Mongolia, Nat. Hist. Cent. Asia 11(2): 926, September 3, 1940.
HOLOTYPE: **27549**. Skin and skull. Adult female.
LOCALITY: China: Shensi (= Shaanxi); Foot of Taipai Shan (= Taibai Shan). July 24, 1905.
COLLECTOR: Agent of Alan Owston. Original number unknown.
CONDITION: Skin complete. Skull partial (cranium posterior to M1 missing).

Family **ANOMALURIDAE** Gervais
Subfamily **ANOMALURINAE** Gervais
Genus ***ANOMALURUS*** Waterhouse

***Anomalurops beecrofti chapini*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 47: 65, October 27, 1922.
= *Anomalurus beecrofti* Fraser. See Misonne, *in* Meester and Setzer (eds.), The mammals of Africa: an identification manual, pt. 6: 4, September 10, 1974.
HOLOTYPE: **50480**. Skin and skull. Adult male.

LOCALITY: Congo (= Zaire): (Haut Zaire); Medje. May 6, 1910.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 861.
CONDITION: Skin and skull complete.

Subfamily **ZENKERELLINAE** Matschie
Genus ***IDIURUS*** Matschie

***Idiurus langi*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 47: 69, October 27, 1922.
= *Idiurus macrotis* Miller. See Misonne, *in* Meester and Setzer (eds.), The mammals of Africa: an identification manual, pt. 6: 4, September 10, 1974.
HOLOTYPE: **50542**. Skin and skull. Adult male.
LOCALITY: Congo (= Zaire): (Haut Zaire); Medje. March 16, 1910.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 737.
CONDITION: Skin complete. Skull partial (left pm4, m1–3, right m1–3, left and right M2 missing).

***Idiurus panga*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 47: 70, October 27, 1922.
= *Idiurus macrotis* Miller. See Misonne, *in* Meester and Setzer (eds.), The mammals of Africa: an identification manual, pt. 6: 4, September 10, 1974.
HOLOTYPE: **50605**. Skin and skull. Adult female.
LOCALITY: Congo (= Zaire): (Haut Zaire); Panga. September 18, 1914.
COLLECTOR: H. Lang and J. P. Chapin (AMC). Original number 2552.
CONDITION: Skin incomplete (tail missing). Skull partial (interparietal missing).

Family **MYOXIDAE** Gray
Subfamily **GRAPHIURINAE** Winge
Genus ***GRAPHIURUS*** Smuts

***Claviglis ansorgei cuanzensis*** Hill and Carter
Am. Mus. Novitates 913: 9, March 8, 1937.
= *Graphiurus kelleni ansorgei* Dollman. See Holden, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 764, 1993.
HOLOTYPE: **88191**. Skin and skull. Adult female.
LOCALITY: Angola: (Bié); Chitau. February 12, 1933.
COLLECTOR: L. S. Bradley (PBA). Original number 713.
CONDITION: Skin complete. Skull intact except for missing left P4.

Subfamily **MYOXINAE** Gray
Genus ***MYOXUS*** Zimmermann

***Glis glis petruccii*** Goodwin
Am. Mus. Novitates 1050: 1, December 1, 1939.
= *Myoxus glis petruccii* (Goodwin). See Holden, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 770, 1993.
HOLOTYPE: **88759**. Skin and skull. Subadult male.
LOCALITY: Iran: (Khorāsān); Bujnurd (= Bojnūrd) area, (foothills of Kurkhud Mountains), Gouladah, 3000 (915 m). November 4, 1938.
COLLECTOR: G. G. Goodwin (LIE). Original number 3757.
CONDITION: Skin complete. Skull intact except for missing left m3.

Family **HYSTRICIDAE**
Fischer von Waldheim
Genus ***HYSTRIX*** Linnaeus

***Acanthion subcristatus papae*** G. M. Allen
Am. Mus. Novitates 290: 3, October 24, 1927.
= *Hystrix brachyura subcristata* Swinhoe. See Van Weers, Beaufortia 29: 244, November 8, 1979.
HOLOTYPE: **60048**. Skin and skull. Adult male.
LOCALITY: China: Hainan; Nodoa (Dan Xian). January 17, 1923.
COLLECTOR: C. H. Pope (AE3). Original number 599.
CONDITION: Skin and skull complete.

Genus ***ATHERURUS*** F. Cuvier

***Atherurus hainanus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 22: 470, December 17, 1906.
= *Atherurus macrourus* (Linnaeus). See Van Weers, Beaufortia 26(336): 224, December 20, 1977.
HOLOTYPE: **26641**. Skin and skull. Adult male.

LOCALITY: China: Hainan. September 1902.
COLLECTOR: Agent of Alan Owston. Original number 3.
CONDITION: Skin complete, with bald spots. Skull complete.

Family **ERETHIZONTIDAE** Bonaparte
Genus ***ERETHIZON*** F. Cuvier

***Erethizon epizanthus nigrescens*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 19: 558, October 10, 1903.
= *Erethizon dorsatum nigrescens* Allen. See Anderson and Rand, Can. J. Res. 21: 304, September 24, 1943.
HOLOTYPE: **20772**. Skin and skull. Adult male.
LOCALITY: (Canada): British Columbia; Shesley River. August 23, 1902.
COLLECTOR: M. P. Anderson (AJS). Original number 688.
CONDITION: Skin complete. Skull partial (dorsal rostrum and right interorbital region missing).

***Erethizon godfreyi*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 383, October 15, 1904.
= *Erethizon dorsatum* Mearns. See White, Am. Mus. Novitates 2421: 12, June 23, 1970.
HOLOTYPE: **24204**. Skull only.
LOCALITY: (United States): Arizona; (Gila County), (Fort) Apache Indian Reservation, (White River, North Fork, volcanic fissure). Cataloged September 1904.
COLLECTOR: G. C. M. Godfrey. Original number unknown.
CONDITION: Skull partial (upper incisors and mandible missing).

Genus ***COENDOU*** Lacépède

***Coendou sanctamartae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 441, November 28, 1904.
= *Coendou bicolor sanctamartae* Allen. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia." Cienc. Zool. 4(2): 598, August 25, 1961.
HOLOTYPE: **15460**. Skin and skull. Adult female.
LOCALITY: Colombia: (Magdalena); Bonda. April 28, 1899.
COLLECTOR: H. H. Smith (JSM). Original number 413.
CONDITION: Skin complete. Skull intact except for missing right m3.

***Coendou quichua richardsoni*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 32: 478, September 25, 1913.
= *Coendou bicolor richardsoni* Allen. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(2): 598, August 25, 1961.
HOLOTYPE: **33242**. Skin and skull. Adult male.
LOCALITY: Ecuador: (Esmeraldas); Esmeraldas. October 23, 1912.
COLLECTOR: W. B. Richardson. Original number 75.
CONDITION: Skin complete. Skull partial (left ramus, maxillaries, premaxillaries and upper dentition only).

Family **DINOMYIDAE** Troschel
Genus ***DINOMYS*** Peters

***Dinomys gigas*** Anthony
Am. Mus. Novitates 19: 6, October 26, 1921.
= *Dinomys branickii* Peters. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(2): 585, August 25, 1961.
HOLOTYPE: **33913**. Skin only.
LOCALITY: Colombia: Huila; La Candela, 6500 ft (1982.5 m). May 20, 1912.
COLLECTOR: L. E. Miller, purchased from hunter. Original number unknown.
CONDITION: Skin partial (feet missing).

Family **CAVIIDAE** Gray
Subfamily **CAVIINAE** Gray
Genus ***CAVIA*** Pallas

***Cavia porcellus venezuelae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 30: 250, December 2, 1911.
= *Cavia aperea guianae* (Thomas). See Hückinghaus, Z. wiss. Zool. 166: 58, 1961.
HOLOTYPE: **30742**. Skin and skull. Adult male.
LOCALITY: Venezuela: (Bolívar); Altagracia. June 9, 1910.
COLLECTOR: M. A. Carriker, Jr. Original number 7480.
CONDITION: Skin complete, with bald

spots. Skull intact except for missing left M3.

***Cavia anolaimae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 35: 85, April 28, 1916.
= *Cavia porcellus* (Linnaeus). See Woods, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 779, 1993.
HOLOTYPE: **37358**. Skin and skull. Adult male.
LOCALITY: Colombia: (Cundinamarca): Anolaima. September 8, 1913.
COLLECTOR: M. Gonzalez. Original number 21.
CONDITION: Skin complete, with patches. Skull partial (basicranium, occiput, interparietal, and left M3 missing; coronoid and anglular processes of dentaries missing).

Family **DASYPROCTIDAE** Bonaparte
Genus ***DASYPROCTA*** Illiger

***Dasyprocta variegata zamorae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 34: 627, December 30, 1915.
= *Dasyprocta punctata zamorae* Allen. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(2): 590, August 25, 1961.
HOLOTYPE: **36582**. Skin and skull. Adult female.
LOCALITY: Ecuador: (Zamora-Chinchipe); Zamora, 2000 ft (610 m). November 1, 1913.
COLLECTOR: W. B. Richardson. Original number 310.
CONDITION: Skin complete, bald spots on venter and hind limbs. Skull intact except for missing left m3.

***Dasyprocta variegata chocoensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 34: 627, December 30, 1915.
= *Dasyprocta punctata chocoensis* Allen. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(2): 589, August 25, 1961.
HOLOTYPE: **32153**. Skin and skull. Subadult male.
LOCALITY: Colombia: (Valle de Cauca); Los Cisneros (= Cisneros), 600 ft (183 m). March 19, 1911.
COLLECTOR: W. B. Richardson. Original number 101.
CONDITION: Skin complete. Skull partial (occiput and right p4 missing).

***Dasyprocta variegata urucuma*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 34: 634, December 30, 1915.
= *Dasyprocta punctata urucuma* Allen. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(2): 590, August 25, 1961.
HOLOTYPE: **36981**. Skin and skull. Adult female.
LOCALITY: Brazil: Mato Grosso; Urucum near Curumbá. December 7, 1913.
COLLECTOR: L. E. Miller (RBE). Original number 138.
CONDITION: Skin complete. Skull intact except for missing crown of left M2.

***Dasyprocta fulginosa candelensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 34: 625, December 30, 1915.
HOLOTYPE: **33902**. Skin and skull. Adult female.
LOCALITY: Colombia: Huila; La Candela, 6500 ft (1982.5 m). May 11, 1912.
COLLECTOR: L. E. Miller. Original number 765.
CONDITION: Skin complete. Skull intact except for missing crown of right M2.

Genus ***MYOPROCTA*** Thomas

***Myoprocta milleri*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 32: 477, September 25, 1913.
= *Myoprocta acouchy milleri* Allen. See Tate, Bull. Am. Mus. Nat. Hist. 76: 182, October 20, 1939.
HOLOTYPE: **33656/34354**. Skin and skull. Adult male.
LOCALITY: Colombia: Caquetá; La Murelia (= Morelia), 600 ft (183 m). July 16, 1912.
COLLECTOR: L. E. Miller. Original number 910.
CONDITION: Skin complete. Skull damaged (left occipital region).

***Myoprocta exilis demararae*** Tate
Bull. Am. Mus. Nat. Hist. 76: 182, October 20, 1939.
= *Myoprocta acouchy* (Erxleben). See Woods,

*in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 782, 1993.
HOLOTYPE: **36493**. Skin and skull. Adult male.
LOCALITY: British Guiana (= Guyana): Essequibo River, Bonasica. Received as exchange from British Museum, February 27, 1914.
COLLECTOR: F. O. McConnell. Original number unknown.
CONDITION: Skin complete. Skull partial (occiput, basiocciput, and right parietal missing; posterior palate and right sphenoid repaired).

Family **ECHIMYIDAE** Gray
Subfamily **EUMYSOPINAE** Rusconi
Genus ***PROECHIMYS*** J. A. Allen

***Proechimys guyannensis arabupu*** Moojen
Univ. Kansas Publ. Mus. Nat. Hist. 1: 369, December 10, 1948.
= *Proechimys cayennensis* Desmarest. See Woods, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 795, 1993.
HOLOTYPE: **75816**. Skin and skull. Adult male.
LOCALITY: Brazil (Venezuela): (Bolivár); Mount Roraima, Arabupu (Arabopó), 1540 m. December 30, 1927.
COLLECTOR: G. H. H. Tate. Original number 4716.
CONDITION: Skin complete. Skull partial (coronoid and angle of left dentary missing).
COMMENT: Mount Roraima is at the junction of Brazil, Venezuela and Guyana; however, Arabopó is in Venezuela.

***Proechimys guyannensis riparum*** Moojen
Univ. Kansas Publ. Mus. Nat. Hist. 1: 367, December 10, 1948.
= *Proechimys cayennensis* Desmarest. See Woods, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 795, 1993.
HOLOTYPE: **143018**. Skin and skull. Adult female.
LOCALITY: Brazil: (Amazonas); Manaus. March 6, 1943.
COLLECTOR: E. T. Gilliard. Original number 102.
CONDITION: Skin partial (tail missing). Skull missing (see Goodwin, 1953: 373).

***Echimys mincae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 12: 198, December 20, 1899.
= *Proechimys mincae* (Allen). See Gardner and Emmons, J. Mammal. 65: 23, February 28, 1984.
HOLOTYPE: **15389**. Skin and skull. Adult male.
LOCALITY: Colombia: (Magdalena); Minca. July 19, 1899.
COLLECTOR: H. H. Smith (JSM). Original number 952.
CONDITION: Skin complete. Skull partial (left nasal and right m3 missing).

***Proechimys o'connelli*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 32: 479, September 25, 1913.
HOLOTYPE: **34595**. Skin and skull. Adult male.
LOCALITY: Colombia: (Meta); Villavicencio, 1600 ft (488 m). March 15, 1913.
COLLECTOR: G. M. O'Connell. Original number 58.
CONDITION: Skin complete. Skull intact except for missing left coronoid process.

***Echimys trinitatis*** Allen and Chapman
Bull. Am. Mus. Nat. Hist. 5: 223, September 21, 1893.
= *Proechimys trinitatus* (Allen and Chapman). See Gardner and Emmons, J. Mammal. 65: 23, February 28, 1984.
HOLOTYPE: **5913/4643**. Skin and skull. Adult male.
LOCALITY: (Trinidad and Tobago): Trinidad; Princestown (= Prince's Town). April 26, 1893.
COLLECTOR: F. M. Chapman. Original number 642.
CONDITION: Skin and skull complete.

***Echimys urichi*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 12: 199, December 20, 1899.
= *Proechimys urichi* (Allen). See Patton, Fieldiana Zool., n.ser., 39: 309, December 31, 1987.
HOLOTYPE: **14798**. Skin and skull. Adult male.
LOCALITY: Venezuela: (Sucre); Quebrada Secca (= Villarroel). November 23, 1898.

COLLECTOR: F. W. Urich. Original number 10.
CONDITION: Skin complete, with bald spots. Skull complete.

***Proechimys boimensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 35: 523, July 24, 1916.
= *Proechimys longicaudatus* (Rengger). See Woods, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 797, 1993.
HOLOTYPE: **37486**. Skin and skull. Adult male.
LOCALITY: (Brazil): (Pará); Rio Tapajoz, Boim. October 2, 1911.
COLLECTOR: Exchange with Museum Goeldi. Original number 15.
CONDITION: Skin and skull complete.
COMMENT: Patton (1987) placed this taxon in the *guyannensis* group, but did not indicate whether he considered it to be a separate species.

***Proechimys semispinosus amphichoricus*** Moojen
Univ. Kansas Publ. Mus. Nat. Hist. 1: 344, December 10, 1948.
= *Proechimys amphichoricus* Moojen. See Patton, Fieldiana Zool., n.ser., 39: 308, December 31, 1987.
HOLOTYPE: **77020**. Skin and skull. Adult male.
LOCALITY: Venezuela: Amazonas; Esmeralda, (10 mi S of) Mount Duida, 325 m. October 16, 1928.
COLLECTOR: Olalla Brothers. Original number 68.
CONDITION: Skin and skull complete.
COMMENT: Patton (1987) considered *amphichoricus* to be a member of the *goeldii* group, but did not state whether species or subspecies.

***Proechimys kermiti*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 34: 629, December 30, 1915.
= *Proechimys semispinosus* (Tomes). See Woods, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 798, 1993.
HOLOTYPE: **37124**. Skin and skull. Adult female.
LOCALITY: Brazil: (Amazonas); lower Rio Solimoes (= Rio Amazonas), Manacaparu (= Manacapuru). April 20, 1914.
COLLECTOR: L. E. Miller (RBE). Original number 395.
CONDITION: Skin partial (tail missing). Skull complete.
COMMENT: Patton (1987) placed this taxon in the *goeldii* group but did not indicate whether he considered it to be a separate species.

***Echimys canicollis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 12: 200, December 20, 1899.
= *Proechimys canicollis* (Allen). See Allen, Bull. Am. Mus. Nat. Hist. 12: 264, December 26, 1899.
HOLOTYPE: **15397**. Skin and skull. Adult male.
LOCALITY: Colombia: (Magdalena): Bonda. April 20, 1899.
COLLECTOR: H. H. Smith (JSM). Original number 384.
CONDITION: Skin and skull complete.

***Proechimys cayennensis hoplomyoides*** Tate
Bull. Am. Mus. Nat. Hist. 76: 179, October 20, 1939.
= *Proechimys hoplomyoides* Tate. See Gardner and Emmons, J. Mammal. 65: 20, February 28, 1984.
HOLOTYPE: **75633**. Skin and skull. Adult female.
LOCALITY: Venezuela: (Bolívar); Mount Roraima, Rondon Camp, 6800 ft (2074 m); see Comment. December 2, 1927.
COLLECTOR: G. H. H. Tate and T. D. Carter. Original number 4584.
CONDITION: Skin complete. Skull partial (posterior frontals missing).
COMMENT: The carcass (in alcohol) is in the type collection, but was not included in the original description. Brazil is the country indicated on the specimen label, but Tate listed Venezuela. Mount Roraima rises at the junction of Brazil, Venezuela, and Guayana.

## Genus ***HOPLOMYS*** J. A. Allen

***Hoplomys truei*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 29: 650, October 13, 1908.
= *Hoplomys gymnurus truei* Allen. See Gold-

man, Smithsonian Misc. Coll. 69: 124, 1920.
HOLOTYPE: **28367**. Skin and skull. Adult male.
LOCALITY: Nicaragua: Matagalpa; Lavala. October 5, 1907.
COLLECTOR: W. B. Richardson. Original number 116.
CONDITION: Skin complete. Skull partial and repaired (left zygomatic process and right M3 missing).

Subfamily **ECHIMYINAE** Gray
Genus ***DIPLOMYS*** Thomas

***Isothrix rufodorsalis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 12: 197, December 20, 1899.
= *Diplomys rufodorsalis* (Allen). See Ellerman, The families and genera of living rodents, 1: 115, June 8, 1940.
HOLOTYPE: **14606**. Skin and skull. Adult male.
LOCALITY: (Colombia): (Magdalena); Onaca. December 24, 1898.
COLLECTOR: H. H. Smith, (JSM). Original number 203.
CONDITION: Skin torn. Skull partial (left m2, left m3, and right nasal missing).

Genus ***ECHIMYS*** G. Cuvier

***Loncheres carrikeri*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 30: 251, December 2, 1911.
= *Echimys semivillosus carrikeri* (Allen). See Tate, Bull. Am. Mus. Nat. Hist. 76: 180, October 20, 1939.
HOLOTYPE: **31530**. Skin and skull. Adult female.
LOCALITY: Venezuela: (Carabobo); San Estaban, 250 ft (76 m). November 15, 1910.
COLLECTOR: M. A. Carriker, Jr. Original number 8633.
CONDITION: Skin and skull complete.

***Echimys longirostris*** Anthony
Am. Mus. Novitates 19: 5, October 26, 1921.
= *Echimys didelphoides didelphoides* Desmarest. See Emmons, Proc. Biol. Soc. Washington 106: 3, 1993.
HOLOTYPE: **42886**. Skin, skull, and postcranial skeleton.
LOCALITY: British Guiana (= Guyana): Kartabo (= Kartabu). July 26, 1920.
COLLECTOR: W. Beebe. Original number 446.
CONDITION: Skin and skull complete. Postcranial skeleton partial.
COMMENT: The oldest name for the species known as either *Echimys armatus* or *Makalata armata* (see Woods, 1992: 793 for the use of either generic name) is *didelphoides* according to Emmons (1993).

***Loncheres castaneus*** J. A. Allen and Chapman
Bull. Am. Mus. Nat. Hist. 5: 222, September 21, 1893.
= *Echimys didelphoides didelphoides* Desmarest. See Emmons, Proc. Biol. Soc. Washington 106: 3, 1993.
HOLOTYPE: **6001/4728**. Skin and skull. Adult female.
LOCALITY: (Trinidad and Tobago): Trinidad; Princestown (= Prince's Town). April 20, 1893.
COLLECTOR: F. M. Chapman. Original number 634.
CONDITION: Skin partial (tail missing). Skull intact except for missing left m3.
COMMENT: Emmons (1993) reported that *didelphoides* is valid and older than *armatus*, but neither she nor Woods (1992: 793) included *handleyi* in the synonymy of the species.

***Echimys armatus handleyi*** Goodwin
Am. Mus. Novitates 2096: 1, June 27, 1962.
= *Echimys didelphoides handleyi* (Goodwin). See Emmons, Proc. Biol. Soc. Washington 106: 3, 1993.
HOLOTYPE: **184813**. Skin and skull. Adult male.
LOCALITY: T.W.I. (Trinidad and Tobago): Tobago; (Saint John Parish), Speyside, 300 ft (91.5 m). March 20, 1960.
COLLECTOR: F. Thurab. Original number 53.
CONDITION: Skin and skull complete.
COMMENT: Emmons (1993) reported that *didelphoides* is valid and older than *armatus*, but neither she nor Woods (1992: 793) included *handleyi* in the synonymy of the species.

Subfamily **DACTYLOMYINAE** Tate
Genus ***DACTYLOMYS*** I. Geoffroy

***Dactylomys boliviensis*** Anthony
J. Mammal. 1: 83, February 1920.

HOLOTYPE: **38709**. Skin and skull. Adult female.
LOCALITY: Bolivia: Cochabamba; Rio Chimore, Mission San Antonio (= San Antonio del Chimore), 1300 ft (396.5 m). August 18, 1915.
COLLECTOR: L. E. Miller and H. S. Boyle. Original number 2013.
CONDITION: Skin and skull complete.

***Dactylomys peruanus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 13: 220, November 16, 1900.
HOLOTYPE: **16060**. Skin and skull. Adult female.
LOCALITY: Peru: (Puno); Juliaca (= Inca Mines), 6000 ft (1830 m). March 15, 1900.
COLLECTOR: H. H. Keays. Original number 41.
CONDITION: Skin complete. Skull partial (occiput, basiocciput, and squamosals missing).
COMMENT: Type locality was corrected by Allen (1901).

Genus ***OLALLAMYS*** Emmons

***Thrinacodus apolinari*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 33: 387, July 9, 1914.
= *Olallamys albicauda* (Gunther). See Emmons, J. Mammal. 69: 421, 1988.
HOLOTYPE: **36245**. Skin and skull. Adult.
LOCALITY: Colombia: (Cundinamarca); Tomeque, 6500 ft (1982.5 m). March 7, 1914.
COLLECTOR: Apolinar Maria. Original number 16.
CONDITION: Skin and skull complete.

Family **CAPROMYIDAE** Smith
Subfamily **CAPROMYINAE** Smith
Genus ***GEOCAPROMYS*** Chapman

***Capromys ingrahami*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 3: 329, August 31, 1891.
= *Geocapromys ingrahami* (Allen). See Chapman, Bull. Am. Mus. Nat. Hist. 14: 320, November 12, 1901.
HOLOTYPE: **3968/3032**. Skin and skull.
LOCALITY: Bahama Islands: Plana Key. February 1891.
COLLECTOR: D. P. Ingraham.
CONDITION: Skin complete. Skull partial (both m3s, parts of alisphenoids, and part of left rostral maxillary missing).

Subfamily **ISOLOBODONTINAE** Woods
Genus ***ISOLOBODON*** J. A. Allen

***Isolobodon portoricensis*** J. A. Allen
Ann. New York Acad. Sci. 27: 19, 1916.
HOLOTYPE: **38409**. Cranium only.
LOCALITY: Puerto Rico; Jobo; Seiba Cave.
COLLECTOR: F. Boas. Original number unknown.
CONDITION: Cranium partial (nasals, occiput, basiocciput, incisors, both P4, M1s, and left M2, M3 missing).

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Order **CARNIVORA** Bowdich

Family **VIVERRIDAE** Gray
Subfamily **VIVERRINAE** Gray
Genus ***OSBORNICTIS*** J. A. Allen

***Osbornictis piscivora*** J. A. Allen
J. Mammal. 1: 25, November 18, 1919.
HOLOTYPE: **51514**. Skin, skull, and postcranial skeleton. Adult male.
LOCALITY: Congo (= Zaire): (Haut Zaire); Niapu. December 1, 1913.
COLLECTOR: H. Lang and J. P. Chapin (LCC). Original number 2147.
CONDITION: Skin complete, with ventral splits. Skull damaged (auditory bullae broken, parts missing). Postcranial skeleton partial.

Genus ***CIVETTICTIS*** Pocock

***Civettictis civetta congica*** Cabrera
Mem. R. Soc. Española Hist. Nat. Madrid 16: 36 footnote, July 10, 1929.
HOLOTYPE: **51811**. Skin and skull. Adult male.
LOCALITY: Congo (= Zaire): (Haut Zaire); Niapu. December 26, 1913.
COLLECTOR: H. Lang and J. P. Chapin (LCC). Original number 2351.
CONDITION: Skin complete. Skull partial (left parietal, right sphenoid, and part of left auditory bulla missing).

Subfamily **PARADOXURINAE** Gray
Genus ***PAGUMA*** Gray

***Paradoxurus (Paguma) larvatus hainanus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 26: 240, April 17, 1909.

= *Paguma larvata hainana* Thomas. See G. M. Allen, Nat. Hist. of Central Asia 11 (1): 439, September 2, 1938.
HOLOTYPE: **26599**. Skin and skull. Adult female.
LOCALITY: China: Hainan; Cheteriang. January 10, 1904.
COLLECTOR: Agents of Alan Owston.
CONDITION: Skin complete. Skull partial (occiput, basiocciput, and left PM1 missing).

Genus ***ARCTICTIS*** Temminck

***Arctictis whitei*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 28: 15, January 19, 1910.
HOLOTYPE: **29740**. Skin and skull. Adult female.
LOCALITY: Philippines: Palawan Island; Iwahig. Cataloged November 3, 1909.
COLLECTOR: J. R. White. Original number unknown.
CONDITION: Skin complete. Skull partial (cranium posterior to zygomatic arches cut off and missing, left PM1, left and right M2 missing).
COMMENT: Honacki et al. (1982) and Wozencraft (1993: 342) listed *whitei* as a synonym of *A. binturong* but Heaney et al. (1987: 58) recognized the species "in absence of critical analysis."

Family **HERPESTIDAE** Bonaparte
Subfamily **GALIIDINAE** Gray
Genus ***GALIDIA*** I. Geoffroy

***Galidia elegans dambrensis*** Tate
Am. Mus. Novitates 1112: 1, May 19, 1941.
HOLOTYPE: **100467**. Skin and skull. Adult male.
LOCALITY: Madagascar: Mount d'Ambre, 1000 m. October 18, 1930.
COLLECTOR: A. L. Rand and P. A. Dumont. Original number 1090.
CONDITION: Skin complete. Skull intact except for two broken right upper incisors.

Subfamily **HERPESTINAE** Bonaparte
Genus ***HERPESTES*** Illiger

***Mungos rubrifrons*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 26: 240, April 17, 1909.
= *Herpestes javanicus* (E. Geoffroy Saint-Hilaire). See Wozencraft, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 305, 1993.
HOLOTYPE: **27596**. Skin and skull. Adult male.
LOCALITY: China: Hainan; Notai (= Wuzhi Shan). December 15, 1905.
COLLECTOR: Agents of Alan Owston. Original number 45.
CONDITION: Skin complete. Skull partial (occiput missing and right auditory bulla partial).

***Mungos palawanus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 28: 17, January 19, 1910.
= *Herpestes brachyurus* (Allen). See Heaney et al., Silliman J. 34: 58, 1987.
HOLOTYPE: **29744**. Skin only. Adult male.
LOCALITY: Philippine Islands: Palawan, Iwahig. Cataloged November 3, 1909.
COLLECTOR: J. R. White. Original number unknown.
CONDITION: Skin complete.

***Xenogale microdon*** J. A. Allen
J. Mammal 1: 27, November 28, 1919.
= *Herpestes naso microdon* (Allen). See Coetzee *in* Meester and Setzer (eds.), The mammals of Africa: an identification manual, Pt. 8: 26, August 22, 1977.
HOLOTYPE: **51625**. Skin and skull. Adult male.
LOCALITY: Congo (= Zaire): (Haut Zaire); Akenge. December 4, 1913.
COLLECTOR: H. Lang and J. P. Chapin (LCC). Original number 2194.
CONDITION: Skin complete. Skull intact except for missing left PM1 and left i2).

Genus ***ATILAX*** F. Cuvier

***Atilax macrodon*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 47: 205, April 11, 1924.
= *Atilax paludinosus macrodon* Allen. See G. M. Allen, Bull. Mus. Comp. Zool. 83: 206, February 1939.
HOLOTYPE: **51629**. Skin and skull. Adult male.
LOCALITY: Congo (= Zaire): (Haut Zaire); Niapu. December 15, 1913.

COLLECTOR: H. Lang and J. P. Chapin (LCC). Original number 2294.
CONDITION: Skin complete but venter damaged. Skull complete.

Subfamily **MONGOTINAE** Gray
Genus ***DOLOGALE*** Thomas

***Helogale hirtula robusta*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 47: 183, April 11, 1924.
= *Dologale dybowskii* (Pousargues). See G. M. Allen, Bull. Mus. Comp. Zool. 83: 210, February 1939.
HOLOTYPE: **51104**. Skin and skull. Adult male.
LOCALITY: Congo (= Zaire): (Haut Zaire); Faradje. March 9, 1911.
COLLECTOR: H. Lang and J. P. Chapin (LCC). Original number 1485.
CONDITION: Skin complete. Skull complete.

Family **HYAENIDAE** Gray
Genus ***CROCUTA*** Kaup

***Crocuta crocuta fortis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 47: 214, April 11, 1924.
= *Crocuta crocuta* (Erxleben). See Mathews, Proc. Zool. Soc. London 109: 259, August 1939.
HOLOTYPE: **52068**. Skin and skull. Adult female.
LOCALITY: Congo (= Zaire): (Haut Zaire); Faradje. February 5, 1913.
COLLECTOR: H. Lang and J. P. Chapin (LCC). Original number 1222.
CONDITION: Skin complete, with bald spots. Skull complete.

Family **FELIDAE** Gray
Subfamily **FELINAE**
Fischer von Waldheim
Genus ***FELIS*** Linneaus

***Lynx ruffus*** [sic] ***escuinapae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 19: 614, November 14, 1903.
= *Felis rufus escuinapae* (Allen). See Comment.
HOLOTYPE: **14326**. Skin and skull. Adult female.
LOCALITY: Mexico: (Sinaloa); Escuinapa. December 24, 1895.
COLLECTOR: J. H. Batty.
CONDITION: Skin complete. Skull partial (nasals missing, auditory bullae broken, right M2 damaged).
COMMENT: The genus *Lynx* is included in *Felis* following Ellerman and Morrison-Scott (1951) and Groves (1982); however, Wozencraft (1993: 293) recognizes *Lynx* as a genus.

***Lynx rufus oaxacensis*** Goodwin
Am. Mus. Novitates 2139: 1, May 7, 1963.
= *Felis rufus oaxacensis* (Goodwin). See Comment under *Lynx rufus escuinapae*.
HOLOTYPE: **189300**. Skin and skull. Adult female.
LOCALITY: Mexico: (Oaxaca); (Tehuantepec District), San Pedro Jilotepec, (Los Nanches). 1961.
COLLECTOR: T. MacDougall. Original number 2383.
CONDITION: Skin complete, with bald spots. Skull damaged (hole in right auditory bulla).

***Leptailurus serval faradjius*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 47: 267, April 11, 1924.
= *Felis serval liptosticta* Pocock. See Smithers *in* Meester and Setzer (eds.), The mammals of Africa: an identification manual, pt. 8.1: 7, December 10, 1975.
HOLOTYPE: **51990**. Skin and skull. Adult male.
LOCALITY: Congo (= Zaire): (Haut Zaire); Faradje. November 26, 1912.
COLLECTOR: H. Lang and J. P. Chapin (LCC). Original number 1170.
CONDITION: Skin and skull complete.
COMMENT: Wozencraft (1993: 292) listed *faradjius* as a synonym of *Leptailurus serval*.

***Oncoides pardalis tumatumari*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 34: 632, December 30. 1915.
= *Felis pardalis maripensis* Allen. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool., 4(1): 282, March 27, 1958.
HOLOTYPE: **36318**. Skin and skull. Adult male.
LOCALITY: British Guiana (= Guyana):

(Potaro-Siparuni); Tumatumari. August 8, 1913.
COLLECTOR: L. E. Miller. Original number 121.
CONDITION: Skin complete, with bald spots on limbs. Skull complete.
COMMENT: Wozencraft (1993), and other authors he cited, placed *pardalis* in *Leopardus*, not *Felis*.

***Felis maripensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 331, October 8, 1904.
= *Felis pardalis maripensis* Allen. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(1): 168, March 27, 1958.
HOLOTYPE: **21308**. Skin and skull. Adult male.
LOCALITY: Venezuela: (Bolívar); Maripa. December 7, 1901.
COLLECTOR: S. M. Klages. Original number 290.
CONDITION: Skin complete. Skull partial (right I2 missing; all incisors except right i3 missing from mandible).

***Felis sanctaemartae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 332, October 8, 1904.
= *Felis pardalis* Linneaus. See Wozencraft, *in* Wilson and Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 291, 1993.
HOLOTYPE: **14857**. Skin, skull, and postcranial skelton. Adult male.
LOCALITY: (Colombia): (Magdalena); Bonda. March 25, 1899.
COLLECTOR: H. H. Smith (JSM). Original number 330.
CONDITION: Skin and skull complete. Postcranial skeleton partial.

***Margay glaucula nicaraguae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 41: 357, October 3, 1919.
= *Felis wiedii nicaraguae* (Allen). See Goldman, J. Mammal. 24: 381, August 17, 1943.
HOLOTYPE: **28957**. Skin and skull. Adult male.
LOCALITY: Nicaragua: (Chinandega); Vólcan de Chinandega. August 20, 1908.
COLLECTOR: W. B. Richardson. Original number 305.
CONDITION: Skin complete, with bald spots on dorsal neck. Skull partial (right parietal missing, left frontal cracked).
COMMENT: The species *wiedii* and its synonyms are often placed in the genus *Leopardus* (see Wozencraft, 1993).

***Felis carrikeri*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 47, February 29, 1904.
= *Felis tigrina oncilla* Thomas. See Hall and Kelson, The mammals of North America (2): 964, March 31, 1959.
HOLOTYPE: **19211**. Skin and skull. Adult female.
LOCALITY: Costa Rica: Pirris; Popozul (= Pozo Azul). May 14, 1902.
COLLECTOR: M. A. Carriker, Jr. Original number unknown.
CONDITION: Skin complete. Skull damaged (holes in frontals and right palatal maxillary, right auditory bulla damaged).
COMMENT: *Leopardus* is often used for *tigrina* instead of *Felis* (see Wozencraft, 1993).

***Margay tigrina elenae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 34: 631, December 30, 1915.
= *Felis tigrina pardinoides* Gray. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(1): 286, March 27, 1958.
HOLOTYPE: **37788**. Skin and skull. Adult male.
LOCALITY: Colombia: (Antioquia); Santa Elena. January 11, 1915.
COLLECTOR: L. E. Miller and H. S. Boyle. Original number 1641.
CONDITION: Skin complete, matted in places. Skull partial (holes in parietals and right frontals; most of left nasal and auditory bullae missing).

***Margay caucensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 34: 631, December 30, 1915.
= *Felis tigrina pardinoides* Gray. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(1): 286, March 27, 1958.
HOLOTYPE: **14187**. Skin and cranium. Adult male.
LOCALITY: Colombia: (Cauca); Las Pabas

(= Valle de Las Papas), near San Antonio, 6000 ft (1830 m). January 11, 1915.
COLLECTOR: J. H. Batty (BPE). Original number 548.
CONDITION: Skin complete. Cranium partial (postorbital region missing).

***Felis braccata*** Cope
Am. Nat. 23: 144, February 1889.
= *Felis colocolo braccata* Cope. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia". Cienc. Zool., 4(1): 275, March 27, 1958.
HOLOTYPE: **354**. Skin and skull. Adult male.
LOCALITY: Brazil: Mato Grosso; Chapada (= Chapada dos Guimaraaes). November 1884.
COLLECTOR: H. H. Smith. Original number 3.
CONDITION: Skin complete. Skull partial (left PM1, right PM4 and M1, left and right i1–3, and left c missing; right bulla deformed).
COMMENT: Wozencraft (1993: 294) listed *colocolo* and its synonyms under the genus *Oncifelis*.

***Felis panamensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 71, February 29, 1904.
= *Felis yaguaroundi panamensis* Allen. See Goodwin, Bull. Am. Mus. Nat. Hist. 87: 443, December 31, 1946.
HOLOTYPE: **18946**. Skin and skull. Subadult female.
LOCALITY: (Panama): Boqueron; Chiriqui. October 30, 1901.
COLLECTOR: J. H. Batty. Original number 898.
CONDITION: Skin complete. Skull partial (mandible, right I2, I3, and C missing; auditory bullae broken).
COMMENT: Typographical error in original description indicated number as AMNH 14946. Several authors place *yaguaroundi* with its synonyms in the genus *Herpailurus* (see Wozencraft, 1993: 291).

***Felis concolor anthonyi*** Nelson and Goldman
J. Washington Acad. Sci. 21: 210, May 19, 1931.
HOLOTYPE: **76935**. Skin and skull. Adult male.
LOCALITY: Venezuela: Amazonas; Playa del Río Base (= Playa del Río), Mount Duida. November 22, 1928.
COLLECTOR: Olalla Brothers (TDE). Original number 133.
CONDITION: Skin complete. Skull intact except for broken right I1, PM2, left M3, left i1–3, right i1–2, and right c; right dentary damaged.
COMMENT: The cougar and its subspecies are often listed in the genus *Puma* (see Wozencraft, 1993: 296).

***Felis concolor borbensis*** Nelson and Goldman
J. Washington Acad. Sci. 23: 524, 1933.
HOLOTYPE: **92298**. Skull only. Adult male.
LOCALITY: Brazil: (Amazonas); Right bank of Río Madeira, Borba. February 10, 1930.
COLLECTOR: Olalla Brothers. Original number 1854.
CONDITION: Skull partial (right I3, PM2, and M1, left PM2 and M3, right i1, and left i1–3 missing; cribiform separate).

Genus ***PRIONAILURUS*** Severtzow

***Prionailurus bengalensis alleni*** Sody
Treubia 20: 181, 1949.
LECTOTYPE: **59961**. Skin and skull. Adult male. See Goodwin, Am. Mus. Novitates 1767: 1, April 13, 1956.
LOCALITY: China: Hainan; Nodoa (= Dan Xian). May 26, 1923.
COLLECTOR: C. Pope (AE3). Original number 1209.
CONDITION: Skin complete (pedal and carpal bones attached). Skull complete.
COMMENT: Lawrence and Musser (1990), unaware of Goodwin's report, also selected a lectotype.

Subfamily **PANTHERINAE** Pocock
Genus ***PANTHERA*** Oken

***Panthera pardus iturensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 47: 259, April 11, 1924.
HOLOTYPE: **52025**. Skin and skull. Adult male.
LOCALITY: Congo (= Zaire): (Haut Zaire); Niapu. November 24, 1913.
COLLECTOR: H. Lang and J. P. Chapin (LCC). Original number 2049.

CONDITION: Skin complete. Skull intact except for missing left and right PM2, and split C.

***Leo leo azandicus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 47: 224, April 11, 1924.
= *Panthera leo azandicus* (Allen). See Smithers *in* Meester and Setzer (eds.), The mammals of Africa: an identification manual, pt. 8.1: 3, December 10, 1975.
HOLOTYPE: **52084**. Skin and skull. Adult male.
LOCALITY: Belgian Congo (= Zaire): Vankerkhovenville. April 18, 1912.
COLLECTOR: H. Lang and J. P. Chapin (LCC). Original number 1061.
CONDITION: Skin complete. Skull intact except for damaged canines.

***Leo leo vernayi*** Roberts
Ann. Tranvaal Mus. 21: 65, April 6, 1948.
= *Panthera leo vernayi* (Roberts). See Smithers *in* Meester and Setzer (eds.), The mammals of Africa: an identification manual, pt. 8.1: 3, December 10, 1975.
HOLOTYPE: **83616**. Cranium only. Adult male.
LOCALITY: (Botswana): central Kalahari Desert, (Matapa Pan). 1930.
COLLECTOR: H. Lang (VLK). Original number 0047/0440.
CONDITION: Cranium partial (bullet entrance in right frontal; left interorbital frontal and sphenoid missing).
COMMENT: Skin bears field number 440. Goodwin (1953) noted that J. E. Hill had annotated the ledger catalog to indicate that the skin came from Kavimba, which is in northern Botswana. The skin does not fit Roberts (1951: 192) description of "yellow maned," which characterizes *vernayi*.

***Felis onca ucayalae*** Nelson and Goldman
J. Mammal. 14: 230, August 1933.
= *Panthera onca peruvianus* (Blainville). See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(1): 300, March 27, 1958.
HOLOTYPE: **76451**. Skin and skull. Adult male.
LOCALITY: (Peru): (Loreto); Rio Ucayali, Sarayacu. May 1, 1927.
COLLECTOR: Olalla Brothers. Original number unknown.
CONDITION: Skin complete. Skull intact except for left incisor which is broken off.

***Felis onca madeirae*** Nelson and Goldman
J. Mammal. 14: 232, August 1933.
= *Panthera onca onca* (Linnaeus). See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(1): 299, March 27, 1958.
HOLOTYPE: **91702**. Skin and skull. Adult female.
LOCALITY: Brazil: (Amazonas); Río Madeira, Auará Igarapé, (near Borba). March 15, 1930.
COLLECTOR: Olalla Brothers. Original number 1991.
CONDITION: Skin complete. Skull partial (left ramus incomplete and posterior fragment detached; right I3 missing).

Family **CANIDAE** Fischer de Waldheim
Genus ***CANIS*** Linnaeus

***Canis impavidus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 19: 609, November 12, 1903.
= *Canis latrans impavidus* Allen. See Nelson, Proc. Biol. Soc. Washington 45: 224, November 26, 1932.
HOLOTYPE: **21266**. Skin and skull. Adult male.
LOCALITY: Mexico: Durango; Rio del Bocas, 7000 ft (2135 m). February 13, 1903.
COLLECTOR: J. H. Batty. Original number 208.
CONDITION: Skin and skull complete.

Genus ***VULPES*** Frisch

***Vulpes anadyrensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 19: 167, March 31, 1903.
= *Vulpes vulpes* Linnaeus. See Corbet, The mammals of the palaearctic region: a taxonomic review, p. 163, 1978.
HOLOTYPE: **18239**. Skin and skull. Adult male.
LOCALITY: (Russian Federation): Siberia, (= Magadan); Gichiga (= Gizhiga). December 10, 1900.
COLLECTOR: N. G. Buxton (JNP). Original number 341.

CONDITION: Skin complete. Skull partial (right upper canine, right M2, and both auditory bullae missing).
COMMENT: Locality is incorrect in original description and in Goodwin (1953). Orginal label, catalog, and Buxton's published itinerary (1903) listed Gizhiga as the locality.

Genus ***UROCYON*** Baird

***Urocyon virginianus scottii*** Mearns
Bull. Am. Mus. Nat. Hist. 3: 236, June 5, 1891.
= *Urocyon cinereoargenteus scottii* Mearns. See J. A. Allen, Bull. Am. Mus. Nat. Hist. 7: 253, June 29, 1895.
HOLOTYPE: **1343/588**. Skin and cranium. Subadult male.
LOCALITY: (United States): Arizona; Pinal County. October 28, 1884.
COLLECTOR: W. E. D. Scott. Original number unknown.
CONDITION: Skin complete. Cranium partial (part of occipital bone missing).

***Urocyon cinereoargentea venezuelae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 30: 259, December 2, 1911.
= *Urocyon cinereoargenteus venezuelae* Allen. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia". Cienc. Zool., 4(1): 229, March 27, 1958.
HOLOTYPE: **32074**. Skin only. Adult male.
LOCALITY: Venezuela: (Lara); (175 mi [210 km] SW Valencia), Tocuyo (= El Tocuyo), 2200 ft (671 m). January 17, 1911.
COLLECTOR: M. A. Carriker, Jr. Original number 9038.
CONDITION: Skin complete, in fair condition.

Family **URSIDAE** Fischer de Waldheim
Subfamily **URSINAE**
Fischer de Waldheim
Genus ***URSUS*** Linnaeus

***Ursus americanus kenaiensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 28: 6, January 5, 1910. (Name preoccupied by *Ursus kenaiensis* Merriam, 1904.)
= *Ursus americanus perniger* J. A. Allen. See Allen, Bull. Am. Mus. Nat. Hist. 28: 115, April 30, 1910.
HOLOTYPE: **17790**. Skull only. Adult male.
LOCALITY: (United States): Alaska; (Kenai Peninsula), mountains south of Chugachik Bay opposite Homer. 1901.
COLLECTOR: A. J. Stone. Original number unknown.
CONDITION: Skull complete.

***Ursus merriami*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 16: 141, April 12, 1902.
= *Ursus arctos gyas* Merriam. See Hall, Spec. Publ. Mus. Nat. Hist. Univ. Kansas 13: 4, August 10, 1984.
HOLOTYPE: **17622**. Skull only. Adult male.
LOCALITY: (United States): (Alaska); Western Alaska Peninsula, (opposite Port Müller, Portage Bay). May 1901.
COLLECTOR: A. J. Stone. Original number unknown.
CONDITION: Skull complete.

***Ursus holzworthi*** Merriam
Proc. Biol. Soc. Washington 42: 173, June 15, 1929.
= *Ursus arctos alascensis* Merriam. See Hall, Spec. Publ. Mus. Nat. Hist. Univ. Kansas 13: 2, August 10, 1984.
HOLOTYPE: **100181**. Skin only. (Skull at National Museum of Natural History, Smithsonian Institution, USNM 248691.) Adult male.
LOCALITY: (United States): Alaska; Talkeetna Mountains, above timberline, head of Black River. September 23, 1928.
COLLECTOR: J. M. Holzworth. Original number 25140-X.
CONDITION: Skin complete.
COMMENT: Presented to AMNH by G. D. Pratt, January 14, 1932. Holzworth's published field notes listed collection date as given here. Poole and Schantz (1942) gave date as September 23, 1928.

***Ursus andersoni*** Merriam
N. Am. Fauna 41: 83, February 9, 1918.
= *Ursus arctos horribilis* Ord. See Hall, Spec. Publ. Mus. Nat. Hist. Univ. Kansas 13: 6, August 10, 1984.
HOLOTYPE: **34402**. Skull only. Adult male.
LOCALITY: (Canada): Northwest Territory;

east branch of Dease River near Great Bear Lake. May 12, 1911.
COLLECTOR: R. M. Anderson. Original number 530.
CONDITION: Skull partial (right i3 missing, alveolus resorbed; all canines broken off).

Family **PROCYONIDAE** Gray
Subfamily **POTOSINAE** Trouessart
Genus ***POTOS*** F. Cuvier and E. Geoffroy

***Potos flavus chiriquensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 74, February 29, 1904.
HOLOTYPE: **18926**. Skin and skull. Adult male.
LOCALITY: (Panama): Boqueron, Chiriqui. October 22, 1901.
COLLECTOR: J. H. Batty. Original number 726.
CONDITION: Skin complete. Skull intact except for missing left M2 and detached right canine.

***Potos flavus boothi*** Goodwin
Am. Mus. Novitates 1830: 1, May 3, 1957.
= *Potos flavus chiriquensis* Allen. See Kortlucke, Occas. Pap. Mus. Nat. Hist. Univ. Kansas 17: 28, October 26, 1973.
HOLOTYPE: **172183**. Skin and skull. Adult female.
LOCALITY: Mexico: Chiapas; Pueblo Nuevo, (60 mi [96.5 km] N Tuxtla Gutierrez), 7000 ft (2135 m). February 8, 1956.
COLLECTOR: P. Clifton and B. S. Bull. Original number 60.
CONDITION: Skin complete. Skull partial (most of occiput missing).

***Potos flavus caucensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 75, February 29, 104.
= *Potos flavus megalotus* (Martin). See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(1): 251, March 27, 1958.
HOLOTYPE: **14186**. Skin and skull. Adult male.
LOCALITY: Colombia: Cauca region (= Valle del Cauca); Castilla Mountains (= La Castilla), 6000 ft (1830 m). June 9, 1898.
COLLECTOR: J. H. Batty. Original number 219.
CONDITION: Skin complete. Skull intact except for missing right PM2 and M2.

***Potos flavus tolimensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 32: 481, September 25, 1913.
= *Potos flavus megalotus* (Martin). See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(1): 251, March 27, 1958.
HOLOTYPE: **32722**. Skin only. Adult.
LOCALITY: Colombia: Tolima (Cundinamarca); Giradot (= Girardot), 1500 ft (457.5 m). 1911.
COLLECTOR: F. M. Chapman. Original number unknown.
CONDITION: Skin partial (feet missing).

***Potos flavus chapadensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 32: 481, September 25, 1913.
HOLOTYPE: **1412/353**. Skin and skull. Adult male?
LOCALITY: Brazil: Mato Grosso; Chapada (= Chapada dos Guimarães). August 1885.
COLLECTOR: H. H. Smith. Original number 81.
CONDITION: Skin complete. Skull intact except for missing left PM1, right PM2, PM3, and M2).

Genus ***BASSARICYON*** J. A. Allen

***Bassaricyon richardsoni*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 24: 662, October 13, 1908.
= *Bassaricyon gabbi richardsoni* Allen. See Goodwin, Bull. Am. Mus. Nat. Hist. 87: 426, December 31, 1946.
HOLOTYPE: **28486**. Skin and skull. Adult female.
LOCALITY: Nicaragua: (Atlantic Slope), Rio Grande, 1000 ft (305 m). April 9, 1908.
COLLECTOR: W. B. Richardson. Original number 265.
CONDITION: Skin complete (repaired), with bald spots. Skull complete.

Subfamily **PROCYONINAE** Gray
Genus ***BASSARISCUS*** Coues

***Bassariscus astutus macdougalli*** Goodwin
Am. Mus. Novitates 1757: 10, March 8, 1956.
HOLOTYPE: **148977**. Skin and skull. Adult female.
LOCALITY: Mexico: Oaxaca; Salina Cruz, 20 km S Tehuantepec, La Ventosa. January 31, 1950.

COLLECTOR: T. MacDougall. Original number 837.
CONDITION: Skin complete (flat). Skull partial (posterior basicranium and PM1 missing, auditory ossicles detached).

***Jentinkia sumichrasti oaxacensis*** Goodwin
Am. Mus. Novitates 1757: 11, March 8, 1956.
= *Bassariscus sumichrasti oaxacensis* (Goodwin). See Hall and Kelson, The mammals of North America (2): 882, March 31, 1959.
HOLOTYPE: **148975**. Skin and skull. Adult male.
LOCALITY: Mexico: Oaxaca; 10 km SE Santa Maria, La Gloria, 2500 ft (762.5 m). January 12, 1950.
COLLECTOR: T. MacDougall. Original number 786.
CONDITION: Skin complete, dorsal feet bald. Skull complete.

## Genus *PROCYON* Storr

***Procyon proteus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 333, October 8, 1904.
= *Procyon cancrivorus proteus* Allen. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(1): 244, March 27, 1958.
HOLOTYPE: **23492**. Skin and skull. Adult male.
LOCALITY: (Colombia): (Magdalena); Bonda. July 1899.
COLLECTOR: H. H. Smith. Original number 1259.
CONDITION: Skin complete. Skull partial (basiocciput, occiput, right temporal, and right alisphenoid partially missing; right m3 missing).

***Procyon (Euprocyon) aequatorialis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 34: 630, December 30, 1915.
= *Procyon cancrivorus aequatorialis* Allen. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(1): 243, March 27, 1958.
HOLOTYPE: **36458**. Skin and skull. Adult male.
LOCALITY: Ecuador: field label lost. June 1913.
COLLECTOR: W. B. Richardson. Original number unknown.
CONDITION: Skin complete. Skull partial (mandible missing).

## Genus *NASUA* Storr

***Nasua narica bullata*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 48, February 29, 1904.
= *Nasua narica* (Linnaeus). See Decker, Proc. Biol. Soc. Washington 104: 383, 1991.
HOLOTYPE: **19210**. Skin and skull. Adult male.
LOCALITY: Costa Rica: Pirrís; Pozo Azul. June 23, 1902.
COLLECTOR: M. A. Carriker, Jr. Original number 674.
CONDITION: Skin complete, with bald spots. Skull intact except for missing i1 and i2.

***Nasua narica pallida*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 53, February 29, 1904.
= *Nasua narica* (Linnaeus). See Decker, Proc. Biol. Soc. Washington 104: 383, 1991.
HOLOTYPE: **7125**. Skin only. Adult.
LOCALITY: Mexico: Chihuahua; Guadalupe y Calvo vicinity, 26°6′N, 106°58′W. 1893.
COLLECTOR: C. Lumholtz. Original number unknown.
CONDITION: Skin partial (feet missing).

***Nasua narica panamensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 51, February 29, 1904.
= *Nasua narica* (Linnaeus). See Decker, Proc. Biol. Soc. Washington 104: 383, 1991.
HOLOTYPE: **18901**. Skin and skull. Adult female.
LOCALITY: Panama: Boqueron, Chirqui. October 29, 1901.
COLLECTOR: J. H. Batty. Original number 845.
CONDITION: Skin complete, with bald spots. Skull complete.

***Nasua narica yucatanica*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 52, February 29, 1904.
= *Nasua narica* (Linnaeus). See Decker, Proc. Biol. Soc. Washington 104: 383, 1991.
HOLOTYPE: **12037/10468**. Skin and skull. Adult male.

LOCALITY: (Mexico): Yucatan; Chichén-Itza. March 11, 1896.
COLLECTOR: F. M. Chapman. Original number unknown.
CONDITION: Skin complete, with bald spots. Skull damaged (holes in cranium and mandible; left jugal and M1-M3 partial, right M2 and M3 partial; right PM1 missing).

***Nasua phaecocephala*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 334, October 8, 1904.
= *Nasua nasua* (Linnaeus). See Decker, Proc. Biol. Soc. Washington 104: 384, 1991.
HOLOTYPE: **17557**. Skin and skull. Adult female.
LOCALITY: Venezuela: (Bolívar); Suapure. September 14, 1901.
COLLECTOR: S. M. Klages. Original number unknown.
CONDITION: Skin complete, with bald spots and split ventrally. Skull partial (nasals, right part of rostrum, right and left PM1 missing).

***Nasua candace dichromatica*** Tate
Bull. Am. Mus. Nat. Hist. 76: 200, October 20, 1939.
= *Nasua nasua* (Linnaeus). See Decker, Proc. Biol. Soc. Washington 104: 384, 1991.
HOLOTYPE: **131166**. Skull and postcranial skeleton. Subadult.
LOCALITY: Venezuela: Bolívar; Plateau Mount Auyán-Tepuí, 6000 ft (1830 m). January 23, 1938.
COLLECTOR: J. A. Dillon (PVE). Original number 5560.
CONDITION: Skull partial (left pm1, right C, pm1, pm3, m2, left and right I2, I3, PM1, and right C missing). Skeleton partial (vertebrae, all limb and foot bones; partial scapulae and pelvis present).

Genus ***NASUELLA*** Hollister

***Nasua olivacea lagunetae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 32: 483, September 25, 1913.
= *Nasuella olivacea lagunetae* (Allen). See Hollister, Proc. U.S. Natl. Mus. 49: 148, August 13, 1915.
HOLOTYPE: **33045**. Skin and skull. Adult male.
LOCALITY: Colombia: (Quindío); La Guneta (= Laguneta), 10,300 ft (3141.5 m). September 19, 1910.
COLLECTOR: L. E. Miller. Original number 337.
CONDITION: Skin complete, with bald spots on venter. Skull intact except for missing right C and left I3.

Family **MUSTELIDAE**
Fischer de Waldheim
Subfamily **MUSTELINAE**
Fischer de Waldheim
Genus ***MUSTELA*** Linnaeus

***Putorius longicauda spadix*** Bangs
Proc. Biol. Soc. Washington 10: 8, February 25, 1896.
= *Mustela frenata spadix* (Bangs). See Hall, Carnegie Inst. Washington Publ. 473: 105, November 20, 1936.
HOLOTYPE: **3265/1786**. Skin and skull. Adult male.
LOCALITY: (United States): Minnesota; (Hennepin County), Fort Snelling. June 25, 1889.
COLLECTOR: E. A. Mearns. Original number 812.
CONDITION: Skin and skull complete.

***Putorius arizonensis*** Mearns
Bull. Am. Mus. Nat. Hist. 3: 17, June 5, 1891.
= *Mustela frenata arizonensis* (Mearns). See Hall, Carnegie Inst. Washington Publ. 473: 105, November 20, 1936.
HOLOTYPE: **2490/1886**. Skin and skull. Adult female.
LOCALITY: (United States): Arizona; (Yavapai County), San Francisco Forest. June 20, 1886.
COLLECTOR: E. A. Mearns. Original number 428.
CONDITION: Skin complete but faded, bald spots on head and right leg. Skull intact except for missing incisors (all of them) and left and right pm2.

***Mustela frenata effera*** Hall
Carnegie Inst. Washington Publ. 473: 93, November 20, 1936.
HOLOTYPE: **33637**. Skin and skull. Adult male.
LOCALITY: (United States): Oregon; Malheur County, Ironside, 4000 ft (1220 m). September 8, 1912.

COLLECTOR: H. E. Anthony. Original number 267.
CONDITION: Skin and skull complete.

***Mustela frenata texensis*** Hall
Carnegie Inst. Washington Publ. 473: 99, November 20, 1936.
HOLOTYPE: **14821**. Skin and skull. Adult male.
LOCALITY: (United States): Texas; Kerr County. September 27, 1897.
COLLECTOR: H. P. Attwater. Original number 16.
CONDITION: Skin partial (head, neck and tail present, rest missing). Skull complete.

***Mustela tropicalis nicaraguae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 35: 100, April 28, 1916.
= *Mustela frenata nicaraguae* Allen. See Hall, Carnegie Inst. Washington Publ. 473: 109, November 20, 1936.
HOLOTYPE: **30754**. Skin and skull. Adult male.
LOCALITY: Nicaragua: Matagalpa, 2000 ft (610 m). April 16, 1910.
COLLECTOR: W. B. Richardson. Original number 712.
CONDITION: Skin complete. Skull partial (right zygomatic arch missing).

***Mustela frenata boliviensis*** Hall
Proc. Biol. Soc. Washington 51: 67, March 18, 1938.
HOLOTYPE: **72587**. Skin and skull. Adult male.
LOCALITY: Bolivia: (La Paz); Nequejahuira, 8000 ft (2440 m). May 19, 1926.
COLLECTOR: G. H. H. Tate. Original number 4135.
CONDITION: Skin and skull complete.

***Putorius microtis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 19: 563, October 10, 1903.
= *Mustela erminea richardsonii* Bonaparte. See Hall, J. Mammal. 26: 180, July 13, 1945.
HOLOTYPE: **19964**. Skin and skull. Adult male.
LOCALITY: (Canada): British Columbia; Shesley. September 24, 1902.
COLLECTOR: M. P. Anderson (AJS). Original number 836.
CONDITION: Skin and skull complete.

***Putorius (Arctogale) pygmaeus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 19: 176, MArch 31, 1903.
= *Mustela rixosa pygmaea* Allen. See Kuroda, J. Mammal. 2: 209, November 1921. See also Kurtén and Anderson, Pleistocene Mammals of North America, p. 150, 1980.
HOLOTYPE: **18322**. Skin and skull. Adult female.
LOCALITY: (Russian Federation): (Magadan); west coast of Okhotsk Sea, Gichiga (= Gizhiga). October 2, 1900.
COLLECTOR: N. G. Buxton (JNP). Original number 83.
CONDITION: Skin and skull complete.

## Genus *EIRA* C. E. H. Smith

***Tayra barbara inserta*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 24: 662, October 13, 1908.
= *Eira barbara inserta* (Allen). See Hershkovitz, J. Mammal. 30: 295, August 1949.
HOLOTYPE: **28492**. Skin and skull. Adult male.
LOCALITY: Nicaragua: Matagalpa; Uluce. January 5, 1908.
COLLECTOR: W. B. Richardson. Original number 169.
CONDITION: Skin complete, pectoral region torn. Skull intact except for missing right I1, i1, i2, and left and right m1.

***Tayra barbara irara*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 36, February 19, 1904.
= *Eira barbara irara* (Allen). See Hershkovitz, J. Mammal. 30: 295, August 1949.
HOLOTYPE: **15469**. Skin and skull. Adult male.
LOCALITY: (Colombia: Magdalena; Bonda). June 6, 1899.
COLLECTOR: H. H. Smith (JSM). Original number 520.
CONDITION: Skin complete, but torn. Skull complete.

***Tayra barbara senilis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 32: 484, September 25, 1913.
= *Eira barbara senilis* (Allen). See Hershkovitz, J. Mammal. 30: 295, August 1949.
HOLOTYPE: **34269**. Skin and skull. Adult female.

LOCALITY: Ecuador: Manavi (Manabí); Río de Oro. January 10, 1913.
COLLECTOR: W. B. Richardson. Original number 114.
CONDITION: Skin complete, with small holes and bald spots. Skull intact except for missing left and right I1, left i1, and right pm3.

Subfamily **MELINAE** Bonaparte
Genus ***MELES*** Boddaert

***Meles melanogenys*** J. A. Allen and Andrews
Bull. Am. Mus. Nat. Hist. 32: 433, September 2, 1913.
= *Meles meles melanogenys* Allen and Andrews. See Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 273. November 19, 1951.
HOLOTYPE: **33951**. Skin only.
LOCALITY: Korea (= North Korea): Musan. January 27, 1912.
COLLECTOR: R. C. Andrews; hunter's skin obtained from natives. Original number unknown.
CONDITION: Skin partial (feet and tail missing).

Genus ***MELOGALE***
I. Geoffroy Saint-Hilaire

***Helictis taxilla sorella*** G. M. Allen
Am. Mus. Novitates 358: 8, July 10, 1929.
= *Melogale moschata sorella* (Allen). See Long, Rept. Fauna Flora Wisconsin 14: 5, August 31, 1978.
HOLOTYPE: **85030**. Skin and skull. Adult male.
LOCALITY: China: Fukien (= Fujian); Futsing (= Fuding). February 21, 1926.
COLLECTOR: C. H. Pope (AE3). Original number 469.
CONDITION: Skin complete. Skull intact except for missing left I3, left pm1, right i1, pm1, and pm2.

Subfamily **MEPHITINAE** Bonaparte
Genus ***MEPHITIS***
E. Geoffroy and G. Cuvier

***Mephitis occidentalis holzneri*** Mearns
Preliminary diagnoses of new mammals . . . from Mexican boundary line, p. 4, January 12, 1897. Preprint of Proc. U.S. Natl. Mus. 20: 461, December 24, 1897.
= *Mephitis mephitis holzneri* Mearns. See Grinnell, Univ. California Publ. Zool. 40: 107, September 26, 1933.
HOLOTYPE: **8065/6422**. Skin and skull. Adult male.
LOCALITY: (Mexico): Lower California (= Baja California); Lanos Cedro. July 3, 1894.
COLLECTOR: F. X. Holzner. Original number 1554.
CONDITION: Skin complete. Skull intact except for missing right I1.
COMMENT: Goodwin (1953) gave the locality as San Isidro Ranch near border of San Diego county.

***Mephitis macroura richardsoni*** Goodwin
Am. Mus. Novitates 1830: 3, May 3, 1957.
HOLOTYPE: **30751**. Skin and skull. Adult male.
LOCALITY: Nicaragua: Matagalpa, 2000 ft (610 m). March 5, 1910.
COLLECTOR: W. B. Richardson. Original number 708.
CONDITION: Skin complete, but left forearm torn. Skull complete.

Genus ***SPILOGALE*** Gray

***Spilogale phenax arizonae*** Mearns
Bull. Am. Mus. Nat. Hist. 3: 256, June 5, 1891.
= *Spilogale putorius leucoparia* Merriam. See Van Gelder, Bull. Am. Mus. Nat. Hist. 117: 299, June 15, 1959.
HOLOTYPE: **2480/1901**. Skin and skull. Adult male.
LOCALITY: (United States): Arizona; (Yavapai County), near Fort Verde. March 13, 1886.
COLLECTOR: E. A. Mearns. Original number 336.
CONDITION: Skin complete, bald spots on forearms. Skull intact except for missing left i1–i3 and left m1.

***Spilogale pygmaea albipes*** Goodwin
Am. Mus. Novitates 1757: 13, March 8, 1956.
= *Spilogale pygmaea australis* Hall. See Genoways and Jones, Anal. Inst. Biol. Univ. Nac. Autó. México 39: 124, 1971.
HOLOTYPE: **143378**. Skin and skull. Adult male.
LOCALITY: Mexico: Oaxaca; Tehuantepec, Las Cuevas. February 2, 1944.
COLLECTOR: T. MacDougall. Original number 87.

CONDITION: Skin complete. Skull partial (left temporal region missing).

Genus ***CONEPATUS*** Gray

***Conepatus nicaraguae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 28: 106, April 30, 1910.
= *Conepatus mesoleucus nicaraguae* Allen. See Goodwin, Bull. Am. Mus. Nat. Hist. 87: 437, December 31, 1946.
HOLOTYPE: **29282**. Skin and skull. Adult male.
LOCALITY: Nicaragua: San Rafael del Norte. January 1, 1909.
COLLECTOR: W. B. Richardson. Original number 404.
CONDITION: Skin complete but slit ventrally. Skull partial (right frontal cracked, zygomatic arches missing, left I2, I3, right I2, and all lower incisors missing).

Subfamily **LUTRINAE** Bonaparte
Genus ***LUTRA*** Brunnich

***Lutra hudsonica sonora*** Rhoads
Trans. Am. Philos. Soc., n.ser., 19: 431, September 1898.
= *Lutra canadensis sonora* Rhoads. See J. A. Allen, Bull. Am. Mus. Nat. Hist. 10: 460, November 10, 1898.
HOLOTYPE: **3712/309**. Skin and skull. Adult female.
LOCALITY: (United States): Arizona; (Yavapai County), Beaver Creek, Montezuma Well. December 26, 1886.
COLLECTOR: E. A. Mearns. Original number 475/113.
CONDITION: Skin complete. Skull intact except for missing left PM4 and right pm1 and pm2.
COMMENT: Goodwin (1953) listed a skeleton but Mearns (in lett.; in departmental files) sent only a skin and skull to New York. No skeleton exists for 3712/309 in the departmental collections. The species *canadensis* has recently been placed in the genus *Lontra* (see Wozencraft, 1993: 310).

***Lutra latidens*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 24: 660, October 13, 1908.
= *Lutra longicaudis annectens* Major. See van Zyll de Jong, R. Ontario Mus. Life Sci. Contrib. 80: 87, June 15, 1972.
HOLOTYPE: **28435**. Skin and skull. Adult male.
LOCALITY: Nicaragua: Matagalpa; Lavala. October 28, 1907.
COLLECTOR: W. B. Richardson. Original number 138.
CONDITION: Skin complete. Skull partial (shattered and clumsily glued together; occiput, left frontal, parts of basiocciput and basisphenoid missing; right PM3, right m1, right I1, and right i2 missing).
COMMENT: *Lontra* is the generic name used by some authors for *longicaudis* and its synonyms (see Wozencraft, 1993: 311).

***Lutra columbiana*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 452, November 28, 1904.
= *Lutra longicaudis annectens* Major. See van Zyll de Jong, R. Ontario Mus. Life Sci. Contrib. 80: 87, June 15, 1972.
HOLOTYPE: **15479**. Skin and skull. Adult female.
LOCALITY: (Colombia: Magdalena; Bonda). August 15, 1899.
COLLECTOR: H. H. Smith (JSM). Original number 1096.
CONDITION: Skin complete, with ventral tears. Skull complete.

Family **PHOCIDAE** Gray
Genus ***PHOCA*** Linnaeus

***Phoca (Pusa) hispida gichigensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 16: 478, December 12, 1902.
= *Phoca hispida ochotensis* Pallas. See Corbet, The mammals of the Palaearctic Region: a taxonomic review, p. 189, 1978.
HOLOTYPE: **18273/18276**. Skin and Skull. Immature female.
LOCALITY: (Russian Federation): (Magadan); Northeast Siberia, Gichiga (= Gizhiga). October 12, 1900.
COLLECTOR: N. G. Buxton (JNP). Original number 263.
CONDITION: Skin and skull complete.

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Order **TUBULIDENTATA** Huxley

Family **ORYCTEROPODIDAE** Gray
Genus ***ORYCTEROPUS*** G. Cuvier

***Orycteropus erikssoni faradjius*** Hatt
Am. Mus. Novitates 535: 1, June 6, 1932.
= *Orycteropus afer faradjius* Hatt. See Mees-

ter *in* Meester and Setzer (eds.), The mammals of Africa: an identification manual, pt. 10: 1, May 2, 1972.
HOLOTYPE: **51373**. Skin, skull, and postcranial skeleton. Adult male.
LOCALITY: Congo (= Zaire): (Haut Zaire); Faradje. January 14, 1913.
COLLECTOR: H. Lang and J. P. Chapin (LCC). Original number 1200.
CONDITION: Skin complete. Skull intact except for missing left PM1. Postcranial skeleton complete.

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Order **CETACEA** Brisson

Family **ZIPHIIDAE** Gray
Genus ***MESOPLODON*** Gervais

***Mesoplodon bowdoini*** Andrews
Bull. Am. Mus. Nat. Hist. 24: 203, February 26, 1908.
HOLOTYPE: **35027**. Skeleton.
LOCALITY: New Zealand: Canterbury; New Brighton Beach. 1904.
COLLECTOR: Purchased from Ward's Natural Science Establishment, Rochester, New York. Original number unknown.
CONDITION: Skeleton complete (fragile, formerly exhibited as a mount).

Family **DELPHINIDAE** Gray
Genus ***TURSIOPS*** Gervais

***Tursiops nuuanu*** Andrews
Bull. Am. Mus. Nat. Hist. 30: 233, August 26, 1911.
= *Tursiops truncatus aduncus* Ehrenberg. See Hershkovitz, Bull. U.S. Natl. Mus. 246: 49, February 28, 1966.
HOLOTYPE: **35045**. Skull only.
LOCALITY: Pacific Ocean, 12°N, 120°W. December 6, 1906.
COLLECTOR: J. T. Nichols, on voyage of the "Nuuanu." Original number unknown.
CONDITION: Skull damaged (left anterior maxillary separate; some teeth missing).

Family **PHOCOENIDAE** Gray
Genus ***PHOCOENOIDES*** Andrews

***Phocoenoides truei*** Andrews
Bull. Am. Mus. Nat. Hist. 30: 32, May 16, 1911.
= *Phocoenoides dalli* (True). See Benson, J. Mammal. 27: 373, November 25, 1946.
HOLOTYPE: **31425**. Skeleton. Adult male.
LOCALITY: Japan: Rikuzen Province; Aikawahama. June 18, 1910.
COLLECTOR: R. C. Andrews. Original number 32.
CONDITION: Skeleton intact except that most teeth are missing.

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Order **PERISSODACTYLA** Owen

Family **TAPIRIDAE** Gray
Genus ***TAPIRUS*** Brunnich

***Tapirus terrestris guianiae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 35: 566, August 9, 1916.
= *Tapirus terrestris terrestris* Linnaeus. See Hershkovitz, Proc. U.S. Natl. Mus. 103: 480, 1954.
HOLOTYPE: **36198**. Skull only. Adult.
LOCALITY: British Guiana (= Guyana): (Potaro-Siparuni); Tumatumari. July 8, 1913.
COLLECTOR: L. E. Miller. Original number 104.
CONDITION: Skull intact except for some missing teeth (left and right I2, I3, and C, left i2 and i3, and right i1, i2, and i3).

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Order **ARTIODACTYLA** Owen

Family **TAYASSUIDAE** Palmer
Genus ***TAYASSU*** G. Fischer

***Pecari tajacu macrocephalus*** Anthony
Am. Mus. Novitates 19: 3, October 26, 1921.
= *Tayassu tajacu patira* Kerr. See Hershkovitz, Proc. Biol. Soc. Washington 76: 87, April 3, 1936.
HOLOTYPE: **48366**. Skin and skull. Adult female.
LOCALITY: British Guiana (= Guyana): (Mazaruni-Potaro); Kartabo. August 26, 1920.
COLLECTOR: W. Beebe. Original number 513.
CONDITION: Skin complete. Skull intact except for missing right i2 and i3.

***Tayassu niger*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 32: 476, September 25, 1913.
= *Tayassu tajacu patira* Kerr. See Hershkovitz, Proc. Biol. Soc. Washington 76: 87, April 3, 1936.

HOLOTYPE: **33249**. Skin and skull. Adult male.
LOCALITY: Ecuador: (Esmeraldas); Esmeraldas. November 24, 1912.
COLLECTOR: W. B. Richardson. Original number 88.
CONDITION: Skin complete. Skull partial (braincase and frontals missing; right C, I1, and I2, left I1 and I2, left i1, right i1 and i2 missing).

***Tayassu pecari beebei*** Anthony
Am. Mus. Novitates 19: 1, October 26, 1921.
= *Tayassu pecari* Link. See Hershkovitz, Proc. Biol. Soc. Washington 76: 86, April 3, 1936.
HOLOTYPE: **42408**. Skin and skull. Adult female.
LOCALITY: British Guiana (Guyana): (Mazaruni-Potaro); Kartabo (= Kartabu) 58°41'W, 6°20'N. June 11, 1919.
COLLECTOR: W. Beebe. Original number 77.
CONDITION: Skin and skull complete.

Family **BOVIDAE** Gray
Subfamily **BOVINAE** Gray
Genus ***TRAGELAPHUS*** De Blainville

***Tragelaphus tjaderi*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 26: 148, March 19, 1909.
= *Tragelaphus scriptus delamerei* Pocock. See Hollister, Bull. U.S. Natl. Mus. 99(3): 127, 1924.
HOLOTYPE: **27776**. Skin and skull. Adult male.
LOCALITY: British East Africa (= Kenya): Central; Nakuru. July 6, 1906.
COLLECTOR: H. Lang (TEA). Original number 75.
CONDITION: Skin complete. Skull partial (rostrum anterior to orbits and diastema of left horizontal ramus missing).

Subfamily **CEPHALOPHINAE** Gray
Genus ***SYLVICAPRA*** Ogilby

***Sylvicapra grimmia vernayi*** Hill
Am. Mus. Novitates 1170: 1, May 4, 1942.
= *Sylvicapra grimmia steinhardti* Zukowsky. See Ansell *in* Meester and Setzer (eds.), The mammals of Africa: an identification manual Pt. 15: 36, May 2, 1972.
HOLOTYPE: **83576**. Skin and skull. Adult male.
LOCALITY: Bechuanaland (= Botswana): (Kalahari Desert, 22°30'S, 23°20'E), Kaotwe Pan. April 8, 1930.
COLLECTOR: H. Lang (VLK). Original number 65.
CONDITION: Skin complete. Skull partial (nasals, frontals, bony palate, and left M3 missing).

Subfamily **ANTILOPINAE** Gray
Genus ***MADOQUA*** Ogilby

***Madoqua langi*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 26: 153, March 19, 1909.
= *Madoqua kirkii cavendishi* (Thomas). See Ansell *in* Meester and Setzer (eds.), The mammals of Africa: an identification manual, pt. 15: 64, May 2, 1972.
HOLOTYPE: **27832**. Skin, skull, and postcranial skeleton. Adult female.
LOCALITY: British East Africa (= Kenya): Rift Valley; Elmenteita. June 29, 1906.
COLLECTOR: H. Lang (TEA). Original number 65.
CONDITION: Skin and skull complete. Postcranial skeleton partial (pelvis and leg bones).

Subfamily **CAPRINAE** Gray
Genus ***NAEMORHEDUS*** H. Smith

***Capricornis osborni*** Andrews
Am. Mus. Novitates 6: 1, March 24, 1921.
= *Naemorhedus sumatraensis* (Bechstein). See Grubb, *in* D. E. Wilson and D. M. Reeder (eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 407, 1993.
HOLOTYPE: **43042**. Skin, skull, and postcranial skeleton. Juvenile female.
LOCALITY: China: Yunnan; Teng-yueh (= Tengchong). May 9, 1917.
COLLECTOR: R. C. Andrews (AZE). Original number 1994.
CONDITION: Skin complete. Skull partial (parts of right bony palate, orbito-sphenoid, and frontal missing; many cracks repaired). Postcranial skeleton complete.

***Capricornis sumatraensis montinus*** G. M. Allen
Am. Mus. Novitates 410: 5, March 19, 1930.
= *Naemorhedus sumatraensis* (Bechstein). See Grubb, *in* D. E. Wilson and D. M. Reeder

(eds.), Mammal species of the world, a taxonomic and geographic reference, 2nd ed., p. 407, 1993.
HOLOTYPE: **43039**. Skin and skull. Adult male.
LOCALITY: China: Yunnan; Lichiang Range, Snow Mountain. November 5, 1916.
COLLECTOR: R. C. Andrews (AZE). Original number 775.
CONDITION: Skin complete. Skull intact except for missing right i1.
COMMENT: I was unable to locate the mountain range on any maps. J. A. Allen (1917) cited a letter from Andrews who indicated that Lichiang was along the Tibetan border.

## Genus *OREAMNOS* Rafinesque

***Oreamnos montanus columbianus*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 20, February 10, 1904.
= *Oreamnos americanus columbiae* Allen. See Hollister, Proc. Biol. Soc. Washington 25: 186, December 24, 1912.
HOLOTYPE: **19838**. Skin and skull. Adult male.
LOCALITY: (Canada): British Columbia; Shesley Mountains. August 28, 1902.
COLLECTOR: A. J. Stone. Original number 60.
CONDITION: Skin complete. Skull intact except for missing right i1 and broken left i4.

***Oreamnos montanus missoulae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 20, February 10, 1904.
= *Oreamnos americanus missoulae* Allen. See Hollister, Proc. Biol. Soc. Washington 25: 186, December 24, 1912.
HOLOTYPE: **19336**. Skin and skull. Adult male.
LOCALITY: (United States): Montana; (Missoula County), Missoula. November 20, 1895.
COLLECTOR: E. S. Hathaway. Original number 1770.
CONDITION: Skin destroyed. Skull partial (occiput, palate, and basicranium removed when prepared for mounting; left and right i1 missing, right i2, i3, and i4 broken at aveoli).
COMMENT: Skin and skull were orignally mounted. Goodwin (1953: 372) noted that the skin was "probably destroyed."

## Genus *OVIS* Linnaeus

***Ovis dalli kenaiensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 16: 145, April 23, 1902.
HOLOTYPE: **17609**. Skin and skull. Adult male.
LOCALITY: (United States): Alaska; (Kenai Peninsula, head of) Sheep Creek. July 10, 1901.
COLLECTOR: A. J. Stone and J. D. Figgins. Original number 81.
CONDITION: Skin partial (right forefoot missing). Skull intact except for missing right i3 and i4.

***Ovis stonei*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 9: 111, April 8, 1897.
= *Ovis dalli stonei* Allen. See Allen, Bull. Am. Mus. Nat. Hist. 31: 28, March 4, 1912.
HOLOTYPE: **12721**. Skin and skull. Adult male.
LOCALITY: (Canada): British Columbia; (headwaters of) Stickine River, 6500 ft (1982.5 m). August 10, 1896.
COLLECTOR: A. J. Stone. Original number unknown.
CONDITION: Skin destroyed when mount was dismantled. Skull partial (occiput, all of ventral cranium, and mandible missing).

***Ovis storcki*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 20: 293, September 8, 1904.
= *Ovis nivicola* Eschscholtz. See Korobitsyna et al., Quat. Res. 4: 243, 1974.
HOLOTYPE: **22689**. Skull only. Adult male.
LOCALITY: (Russian Federation): Siberia, Kamchatka; (Mountains 75 mi [120.6 km] E of) Fort Tigil.
COLLECTOR: G. H. Storck. Original number unknown.
CONDITION: Skull partial (mandible, right premaxillary, zygomatic arches, and all teeth except right and left M1 missing).

Family **CERVIDAE** Gray
Subfamily **MUNTIACINAE** Pocock
Genus ***MUNTIACUS*** Rafinesque

***Muntiacus muntjak nigripes*** G. M. Allen
Am. Mus. Novitates 430: 11, September 18, 1930.
HOLOTYPE: **60082**. Skin and skull. Adult male.
LOCALITY: China: Hainan; Nodoa (Dan Xian). December 29, 1922.
COLLECTOR: C. H. Pope (AE3). Original number 268.
CONDITION: Skin and skull complete.

Subfamily **ODOCOILEINAE** Pocock
Genus ***ODOCOILEUS*** Rafinesque

***Odocoileus battyi*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 19: 591, November 12, 1903.
= *Odocoileus virginianus couesi* (Coues and Yarrow). See Hall, Mammals of North America, 2nd ed., 2: 1093.
HOLOTYPE: **21277**. Skin and skull. Adult male.
LOCALITY: Mexico: Durango; Rancho Santuario. March 10, 1903.
COLLECTOR: J. H. Batty. Original number 315.
CONDITION: Skin incomplete (feet missing). Skull partial (left ascending ramus of dentary missing).

***Odocoileus sinaloae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 19: 613, November 14, 1903.
= *Odocoileus virginianus sinaloae* Allen. See Hall and Villa, Univ. Kansas Publ. Mus. Nat. Hist. 1: 470, December 29, 1949.
HOLOTYPE: **14334**. Skin and skull. Subadult male.
LOCALITY: Mexico: (Sinaloa); Escuinapa. December 15, 1895.
COLLECTOR: J. H. Batty. Original number unknown.
CONDITION: Skin and skull complete.
COMMENT: Skull dated December 11, 1895.

***Odocoileus rothschildi chiriquensis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 28: 95, April 30, 1910.
= *Odocoileus virginianus chiriquensis* Allen. See Goodwin, Bull. Am. Mus. Nat. Hist. 57: 497, December 31, 1946.
HOLOTYPE: **18957**. Skin and skull. Subadult female.
LOCALITY: (Panama): Boqueron; Chiriqui. December 4, 1901.
COLLECTOR: J. H. Batty. Original number 1084.
CONDITION: Skin and skull complete.

***Mazama americana tumatumari*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 34: 536, November 2, 1915.
= *Odocoileus virginianus gymnotis* (Wiegmann). See Comment.
HOLOTYPE: **36350**. Skull only. Young adult female.
LOCALITY: British Guiana (= Guyana): (Mazaruni-Potaro); Tumatumari. 1913.
COLLECTOR: L. E. Miller. No original number.
CONDITION: Skull partial (right anterior part of cranium missing; bony palate and some molars broken).
COMMENT: Allen described coloration of a skin and provided cranial measurements for *tumatumari*. Tate (1939: 225) noted that the skull was an example of *Odocoileus* but the skin a *Mazama* and restricted the name *tumatumari* to the skull. The skull of 36350 is an *Odocoileus* and clearly becomes the holotype of *tumatumari*, despite Goodwin's (1953: 369) remarks to the contrary, and is here arranged as a synonym of *O. virginianus gymnotis* (see Tate, 1939: 227).

Genus ***MAZAMA*** Rafinesque

***Mazama trinitatis*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 34: 532, November 2, 1915.
= *Mazama americana trinitatis* Allen. See Haltenorth, Handb. Zool. Berlin 8(32): 47, August 1963.
HOLOTYPE: **7545/5939**. Skin and skull. Adult female.
LOCALITY: (Trinidad and Tobago): Trinidad; Caparo. March 13, 1894.
COLLECTOR: F. M. Chapman. Original number 684.
CONDITION: Skin and skull complete.

***Mazama americana juruna*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 34: 537, November 2, 1915.
HOLOTYPE: **30624**. Skin and skull. Adult female.
LOCALITY: Venezuela: (Bolívar); (near Guyana border), Rio Juruan (= Rio Yuruán). March 21, 1910.
COLLECTOR: M. A. Carriker, Jr.
CONDITION: Skin complete, with bald spots. Skull partial (right pm3, m1, and m2 missing; right palate and sphenoid missing; large crack accross right premaxillary, frontal and left parietal).

***Mazama gualea*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 34: 545, November 2, 1915.
= *Mazama americana gualea* Allen. See Cabrera, Rev. Mus. Argentino Cienc. Nat. "Bernardino Rivadavia," Cienc. Zool. 4(2): 335, August 25, 1961.
HOLOTYPE: **36473**. Skin and skull. Old female.
LOCALITY: Ecuador: (Pichincha); Gualea, 6000 ft (1830 m). June 2, 1913.
COLLECTOR: W. B. Richardson. Original number 173.
CONDITION: Skin and skull complete.

***Mazama fuscata*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 34: 545, November 2, 1915.
= *Mazama americana whitelyi* Gray. See Haltenorth, Handb. Zool. Berlin 8(32): 48, August 1963.
HOLOTYPE: **34267**. Skin and skull. Adult male.
LOCALITY: Ecuador: Manavi (= Manabí); Río de Oro, (near sea level). January 1913.
COLLECTOR: W. B. Richardson. Original number 125.
CONDITION: Skin complete, with bald spot. Skull partial (all lower incisors missing; most of left nasal and part of right nasal missing).

***Mazama zamora*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 34: 546, November 2, 1915.
= *Mazama americana zamora* Allen. See Haltenorth, Handb. Zool. Berlin 8(32): 48, August 1963.
HOLOTYPE: **36581**. Skin and skull. Adult female.
LOCALITY: Ecuador: (Zamora-Pinchipe); Zamora, 2000 ft (610 m). October 22, 1913.
COLLECTOR: W. B. Richardson. Original number 311.
CONDITION: Skin and skull missing.

***Mazama cita sanctaemartae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 34: 550, November 2, 1915.
= *Mazama gouazoupira sanctaemartae* Allen. See Haltenorth, Handb. Zool. Berlin 8(32): 48, August 1963.
HOLOTYPE: **14640**. Skin and skull. Adult male.
LOCALITY: Colombia: (Magdalena); Santa Marta, Bonda. December 20, 1898.
COLLECTOR: H. H. Smith (JSM). Original number 176.
CONDITION: Skin and skull missing.
COMMENT: See Grubb (1993: 391) for use of the correct spelling, *gouazoupira*, instead of *gouazoubira*.

***Mazama murelia*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 34: 547, November 2, 1915.
= *Mazama gouazoupira murelia* Allen. See Haltenorth, Handb. Zool. Berlin 8(32): 48, August 1963.
HOLOTYPE: **33906**. Skin and skull. Juvenile female.
LOCALITY: Colombia: Caquetá; La Murelia (= Morelia), 600 ft (183 m). July 13, 1912.
COLLECTOR: L. E. Miller. Original number 894.
CONDITION: Skin and skull complete.

***Mazama chunyi*** Hershkovitz
Proc. Biol. Soc. Washington 72: 45, 1959.
HOLOTYPE: **73098**. Skin and skull. Juvenile male.
LOCALITY: Bolivia: (La Paz); Cocopunco, 3200 m. March 28, 1926.
COLLECTOR: G. H. H. Tate. Original number 3662.
CONDITION: Skin and skull complete.

## Genus ***RANGIFER*** H. Smith

***Rangifer osborni*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 16: 149, April 16, 1902.
= *Rangifer tarandus osborni* Allen. See Haltenorth, Handb. Zool. Berlin 8(32): 52, August 1963.

HOLOTYPE: **15714**. Skin and skull. Adult male.
LOCALITY: (Canada): British Columbia; Cassiar Mountains. September 1897.
COLLECTOR: A. J. Stone (JCE). Original number 6.
CONDITION: Skin originally mounted and subsequently destroyed. Skull partial (premaxillae, right nasal, right PM4, left PM2, and PM3 missing).

***Rangifer granti*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 16: 122, March 31, 1902.
= *Rangifer tarandus granti* Allen. See Haltenorth, Handb. Zool. Berlin 8(32): 52, August 1963.
HOLOTYPE: **17593**. Skin and skull. Adult male.
LOCALITY: (United States): (Alaska); Western Alaskan Peninsula, opposite Popoff Island. October 29, 1901.
COLLECTOR: A. J. Stone. Original number 190.
CONDITION: Skin complete. Skull intact except for some missing incisors.

***Rangifer stonei*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 14: 143, May 28, 1901.
= *Rangifer tarandus stonei* Allen. See Haltenorth, Handb. Zool. Berlin 8(32): 52, August 1963.
HOLOTYPE: **16701**. Partial skin and skull. Adult male.
LOCALITY: (United States): Alaska; Kenai Peninsula. September 24, 1900.
COLLECTOR: A. J. Stone. Original number unknown.
CONDITION: Skin complete but brittle. Skull partial (basisphenoid, left PM3, M1 and M2 missing).

***Rangifer pearyi*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 16: 409, October 31, 1902.
= *Rangifer tarandus pearyi* Allen. See Haltenorth, Handb. Zool. Berlin 8(32): 52, August 1963.
HOLOTYPE: **19231**. Skin only. Adult male.
LOCALITY: (Canada): (Northwest Territory); Ellesmere Island, 79°N. June 15, 1902.
COLLECTOR: R. E. Peary. Original number unknown.
CONDITION: Skin incomplete (left front leg and all hooves missing), with bald spots.

***Rangifer terraenovae*** J. A. Allen
Bull. Am. Mus. Nat. Hist. 8: 233, November 21, 1896.
= *Rangifer tarandus terraenovae* Bangs. See Haltenorth, Handb. Zool. Berlin 8(32): 52, August 1963.
HOLOTYPE: **11775**. Skin and skull. Adult male.
LOCALITY: (Canada): Newfoundland; Grand Lake watershed. November 4, 1895.
COLLECTOR: C. B. Parker. Original skin number 1748.
CONDITION: Skin complete, with bald spots. Skull partial (ventral braincase missing).

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## Order **HYRACOIDEA** Huxley

### Family **PROCAVIIDAE** Thomas
### Genus ***HETEROHYRAX*** Gray

***Procavia chapini*** Hatt
Am. Mus. Novitates 594: 1, January 26, 1933.
= *Heterohyrax brucei chapini* (Hatt). See Roche, Mammalia 36: 41, 1972.
HOLOTYPE: **53800**. Skin, skull, and postcranial skeleton. Adult female.
LOCALITY: Congo (= Zaire): (Bas Zaire); (5 km SW of) Matadi, (summit of Loadi Hill). December 27, 1914.
COLLECTOR: H. Lang and J. P. Chapin (LCC). Original number 2539.
CONDITION: Skin, skull, and postcranial skeleton complete.

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## Order **PROBOSCIDEA** Illiger

### Family **ELEPHANTIDAE** Gray
### Genus ***LOXODONTA*** F. Cuvier

***Elephas africanus pumilio*** Noack
Zool. Anz. 29: 631, January 8, 1906.
= *Loxodonta africana cyclotis* (Matschie). See G. M. Allen, Proc. Acad. Nat. Sci. Philadelphia 88: 41, March 10, 1936.
HOLOTYPE: **35591**. Skull and postcranial skeleton. Young male.
LOCALITY: French Congo (Congo). Died November 3, 1915.
COLLECTOR: New York Zoological Society. Original number unknown.
CONDITION: Skull damaged (right jugal detached). Postcranial skeleton complete.
COMMENT: Described from a live animal in the New York Zoological Park.

***Elephas africanus rothschildi*** Lydekker
Proc. Zool. Soc. London 1: 399, August 1907.
= *Loxodonta africana africana* (Matschie). See Shoshani et al., Elephant 2(2): 88, fall 1986.
HOLOTYPE: **3283**. Mounted skeleton. Young adult male.
LOCALITY: French Sudan (Chad): South of Lake Chad. 1861.
COLLECTOR: Unknown. Original number unknown.
CONDITION: Skeleton complete except for missing tusks.
COMMENT: The holotype is the famous "Jumbo" whose history, from its capture to its death and deposition of remains, is chronicled by Shoshani et al. (1986). Lydekker named a statuette of Jumbo in the British Museum as the type. The skeleton of Jumbo was given to AMNH by Barnum and Bailey. The skin was held by Tufts College until destroyed by fire.

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APPENDIX 1
**American Museum Field Expeditions Cited in Text**

| ACRONYM | EXPEDITION NAME | YEAR |
|---|---|---|
| AE2 | Second Asiatic Expedition | 1920 |
| AE3 | Third Asiatic Expedition | 1921–22 |
| AJS | A. J. Stone Alaska Expedition | 1902 |
| AMC | American Museum Congo Expedition | 1909–15 |
| AME | Archbold Madagascar Expedition | 1930 |
| AZE | Asiatic Zoological Expedition | 1912–17 |
| A1 | First Archbold New Guinea Expedition | 1933–34 |
| A2 | Second Archbold New Guinea Expedition | 1936–37 |
| A3 | Third Archbold New Guinea Expedition | 1938–39 |
| A4 | Fourth Archbold New Guinea Expedition | 1953 |
| A5 | Fifth Archbold New Guinea Expedition | 1956 |
| A6 | Sixth Archbold New Guinea Expedition | 1959 |
| BPE | Batty Parrish Expedition | 1898 |
| CAE | Central Asiatic Expedition | 1921–30 |
| CE | Colombia Expedition | 1911–12 |
| C-CE | Chapman Cherrie Expedition | 1913 |
| CHE | Chapman Edson Congo Expedition | 1930–31 |
| IAE | Illustrated American Expedition | 1892 |
| JCE | James Constable Expedition | 1897 |
| JE | Jesup Expedition | 1907 |
| JNP | Jesup North Pacific Expedition | 1900–01 |
| JSM | Jesup Santa Marta Expedition | 1898–99 |
| LE | Lumholtz Expedition | 1890 |
| LIE | Legendre Iran Expedition | 1938 |

APPENDIX 1—(*Continued*)

| ACRONYM | EXPEDITION NAME | YEAR |
|---|---|---|
| MGN | Morden Graves North Asiatic Expedition | 1929–30 |
| PBA | Phipps Bradley Angola Expedition | 1932–33 |
| PE | Puritan Expedition | 1957 |
| PUP | Princeton University Patagonia Expedition | 1896–99 |
| PVE | Phelps Venezuelan Expedition | 1937–38 |
| RBE | Roosevelt Brazilian Expedition | 1913–14 |
| RKE | Ruwenzori-Kivu Expedition | 1926 |
| RNE | "Recreation" Northland Expedition | 1897–98 |
| TDA | Tyler Duida Expedition | 1928–29 |
| TEA | Tjader East African Expedition | 1906–09 |
| TSE | Taylor Sudan Expedition | 1927 |
| VA | Vernay Angola Expedition | 1925 |
| VC | Vernay Cutting Burma Expedition | 1938–39 |
| V | Vernay Hopwood Chindwin Expedition | 1935 |
| VLK | Vernay Lang Kalahari Expedition | 1930 |
| WSS | Whitney South Sea Expedition | 1920–27 |

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∞ This paper meets the requirements of ANSI/NISO Z39.48-1992 (Permanence of Paper).