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Catalog of Type Specimens of Recent Mammals:

Orders Didelphimorphia through
Chiroptera (excluding Rodentia) in the
National Museum of Natural History,
Smithsonian Institution

Robert D. Fisher and Craig A. Ludwig

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ABSTRACT

Fisher, Robert D. and Craig A. Ludwig, Catalog of Type Specimens of Recent Mammals: Orders Didelphimorphia through Chiroptera (excluding Rodentia) in the National Museum of Natural History, Smithsonian Institution. *Smithsonian Contributions to Zoology*, number 644, viii + 110 pages, 2015.—The type collection of Recent Mammals in the Division of Mammals, National Museum of Natural History, Smithsonian Institution, contains 821 specimens bearing names of 810 species-group taxa of Didelphimorphia through Chiroptera, excluding Rodentia, as of June 2014. This catalog presents an annotated list of these holdings comprising 789 holotypes, 26 lectotypes, 11 syntypes (22 specimens), and 4 neotypes. Included are several specimens that should be in the collection but cannot be found or are now known to be in other collections. One hundred and twenty-eight of the names are new since the last type catalog covering these orders, Arthur J. Poole and Viola S. Schantz's 1942 Catalog of the Type Specimens of Mammals in the United States National Museum, Including the Biological Surveys Collections (*Bulletin of the United States National Museum*, 178). Five specimens reported therein were subsequently sent to the National Museum's Paleobiology Department collection and are mentioned only briefly in this work. They are *Acratoenus? comes* Miller, 1929, *Paraconus serus* Miller, 1929, *Nesophontes hypomicrus* Miller, 1929, *Nesophontes paramicrus* Miller, 1929, and *Nesophontes zamicus* Miller, 1929. Orders and families are arranged systematically following D. E. Wilson and D. M. Reeder's 2005 *Mammal Species of the World: A Taxonomic and Geographic Reference*, volume 1, third edition; within families, currently recognized genera are arranged alphabetically; within each currently recognized genus, species and subspecies accounts are arranged alphabetically by original published name. Information in each account includes original name and abbreviated citation thereto, current name if other than original, citation for first use of current name combination for the taxon (or new name combination if used herein for the first time), type designation, U.S. National Museum catalog number(s), preparation, age and sex, date of collection and collector, original collector number, type locality, and remarks as appropriate. Digital photographs of each specimen will serve as a condition report and will be attached to each electronic specimen record.

Cover images: Holotype of *Sturnira angeli* de la Torre, 1966 (USNM 361881). Left to right: dorsal, lateral, and ventral views of cranium. Photographs by D. F. Schmidt.

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Contents

INTRODUCTION	1
Categories Of Name-Bearing Types Included	1
Research Approach	2
Classificatory Organization	2
Format of Accounts	2
Acknowledgments	3
ACCOUNTS OF NAME-BEARING TYPE SPECIMENS	3
Order Didelphimorphia Gill, 1872	3
Family Didelphidae Gray, 1821	3
Genus <i>Caluromys</i> J. A. Allen, 1900	3
Genus <i>Chacodelphys</i> Voss, Gardner, and Jansa, 2004	3
Genus <i>Chironectes</i> Illiger, 1811	3
Genus <i>Didelphis</i> Linnaeus, 1758	4
Genus <i>Gracilinanus</i> Gardner and Creighton, 1989	4
Genus <i>Marmosa</i> Gray, 1821	4
Genus <i>Marmosops</i> Matschie, 1916	5
Genus <i>Metachirus</i> Burmeister, 1854	5
Genus <i>Monodelphis</i> Burnett, 1830	6
Genus <i>Philander</i> Brisson, 1762	6
Genus <i>Thylamys</i> Gray, 1843	6
Genus <i>Tlacuatzin</i> Voss and Jansa, 2003	6
Order Paucituberculata Ameghino, 1894	6
Family Caenolestidae Trouessart, 1898	6
Genus <i>Lestoros</i> Oehser, 1934	6
Order Dasyuromorphia Gill, 1872	6
Family Dasyuridae Goldfuss, 1820	6
Genus <i>Pseudantechinus</i> Tate, 1947	6
Order Diprotodontia Owen, 1866	7
Family Phalangeridae Thomas, 1888	7
Genus <i>Ailurops</i> Wagler, 1830	7
Order Macroscelidea Butler, 1956	7
Family Macroscelididae Bonaparte, 1838	7
Genus <i>Elephantulus</i> Thomas and Schwann, 1906	7
Genus <i>Petrodromus</i> Peters, 1846	7

Order Hyracoidea Huxley, 1869	7
Family Procaviidae Thomas, 1892	7
Genus <i>Dendrohyrax</i> Gray, 1868	7
Genus <i>Heterohyrax</i> Gray, 1868	7
Order Proboscidea Illiger, 1811	7
Family Elephantidae Gray, 1821	7
Genus <i>Loxodonta</i> Anonymous, 1827	7
Order Sirenia Illiger, 1811	8
Family Trichechidae Gill, 1872	8
Genus <i>Trichechus</i> Linnaeus, 1758	8
Order Cingulata Illiger, 1811	8
Family Dasypodidae Gray, 1821	8
Genus <i>Cabassous</i> McMurtrie, 1831	8
Genus <i>Dasypus</i> Linnaeus, 1758	8
Order Pilosa Flower, 1883	8
Family Bradypodidae Gray, 1821	8
Genus <i>Bradypus</i> Linnaeus, 1758	8
Family Megalonychidae Ameghino, 1889	8
Genus <i>Acratocnus</i> Miller, 1929	8
Genus <i>Parocnus</i> Miller, 1929	8
Family Cyclopedidae Pocock, 1924	8
Genus <i>Cyclopes</i> Gray, 1821	8
Family Myrmecophagidae Gray, 1825	8
Genus <i>Myrmecophaga</i> Linnaeus, 1758	8
Order Scandentia Wagner, 1855	9
Family Tupaiidae Gray, 1825	9
Genus <i>Tupaia</i> Raffles, 1821	9
Order Dermoptera Illiger, 1811	11
Family Cynocephalidae Simpson, 1945	11
Genus <i>Galeopterus</i> Thomas, 1908	11
Order Primates Linnaeus, 1758	12
Family Lorisidae Gray, 1821	12
Genus <i>Nycticebus</i> E. Geoffroy, 1812	12
Family Galagidae Gray, 1825	13
Genus <i>Galago</i> E. Geoffroy, 1796	13
Family Tarsiidae Gray, 1825	13
Genus <i>Carlito</i> Groves and Shekelle, 2010	13
Genus <i>Cephalopachus</i> Swainson, 1835	13
Genus <i>Tarsius</i> Storr, 1780	13
Family Cebidae Bonaparte, 1831	14
Genus <i>Cebus</i> Erxleben, 1777	14
Genus <i>Saguinas</i> Hoffmannsegg, 1807	14
Genus <i>Sapajus</i> Kerr, 1792	14
Family Aotidae Elliot, 1913	14
Genus <i>Aotus</i> Illiger, 1811	14
Family Atelidae Gray, 1825	14
Genus <i>Alouatta</i> Lacepede, 1799	14
Genus <i>Ateles</i> E. Geoffroy, 1806	14
Family Cercopithecidae Gray, 1821	15
Genus <i>Cercopithecus</i> Linnaeus, 1758	15
Genus <i>Chlorocebus</i> Gray, 1870	15
Genus <i>Colobus</i> Illiger, 1811	16
Genus <i>Erythrocebus</i> Trouessart, 1897	16

Genus <i>Macaca</i> Lacepede, 1799	16
Genus <i>Papio</i> Erxleben, 1777	19
Genus <i>Presbytis</i> Eschscholtz, 1821	19
Genus <i>Simias</i> Miller, 1903	20
Genus <i>Trachypithecus</i> Reichenbach, 1862	20
Family Hylobatidae Gray, 1871	21
Genus <i>Hylobates</i> Illiger, 1811	21
Order Lagomorpha Brandt, 1855	21
Family Ochotonidae Thomas, 1897	21
Genus <i>Ochotona</i> Link, 1795	21
Family Leporidae G. Fischer, 1817	23
Genus <i>Brachylagus</i> Miller, 1900	23
Genus <i>Lepus</i> Linnaeus, 1758	23
Genus <i>Romerolagus</i> Merriam, 1896	27
Genus <i>Sylvilagus</i> Gray, 1867	27
Order Erinaceomorpha Gregory, 1910	32
Family Erinaceidae G. Fischer, 1814	32
Genus <i>Ateleurix</i> Pomel, 1848	32
Genus <i>Echinosorex</i> Blainville, 1838	32
Genus <i>Podogymnura</i> Mearns, 1905	32
Order Soricomorpha Gregory, 1910	32
Family Nesophontidae Anthony, 1916	32
Genus <i>Nesophontes</i> Anthony, 1916	32
Family Soricidae G. Fischer, 1814	32
Genus <i>Blarina</i> Gray, 1838	32
Genus <i>Crocidura</i> Wagler, 1832	33
Genus <i>Cryptotis</i> Pomel, 1848	37
Genus <i>Megasorex</i> Hibbard, 1950	40
Genus <i>Neomys</i> Kaup, 1829	40
Genus <i>Notiosorex</i> Coues, 1877	40
Genus <i>Sorex</i> Linnaeus, 1758	40
Genus <i>Suncus</i> Ehrenberg, 1832	49
Genus <i>Surdisorex</i> Thomas, 1906	49
Genus <i>Sylvisorex</i> Thomas, 1904	49
Family Talpidae G. Fischer, 1814	49
Genus <i>Condylura</i> Illiger, 1811	49
Genus <i>Dymecodon</i> True, 1886	49
Genus <i>Eurosaptor</i> Miller, 1940	50
Genus <i>Neurotrichus</i> Gunther, 1880	50
Genus <i>Scalopus</i> E. Geoffroy, 1803	50
Genus <i>Scapanus</i> Pomel, 1848	50
Order Chiroptera Blumenbach, 1779	51
Family Pteropodidae Gray, 1821	51
Genus <i>Acerodon</i> Jourdan, 1837	51
Genus <i>Cynopterus</i> F. Cuvier, 1824	51
Genus <i>Eonycteris</i> Dobson, 1873	52
Genus <i>Harpyionycteris</i> Thomas, 1896	52
Genus <i>Pteropus</i> Brisson, 1762	52
Family Rhinolophidae Gray, 1825	54
Genus <i>Rhinolophus</i> Lacepede, 1799	54
Family Hipposideridae Lydekker, 1891	55
Genus <i>Coelops</i> Blyth, 1848	55
Genus <i>Hipposideros</i> Gray, 1831	55

Family Megadermatidae H. Allen, 1864	56
Genus <i>Lavia</i> Gray, 1838	56
Genus <i>Megaderma</i> E. Geoffroy, 1810	56
Family Rhinopomatidae Bonaparte, 1838	56
Genus <i>Rhinopoma</i> E. Geoffroy, 1818	56
Family Emballonuridae Gervais, 1855	56
Genus <i>Emballonura</i> Temminck, 1838	56
Genus <i>Saccolaimus</i> Temminck, 1838	57
Genus <i>Taphozous</i> E. Geoffroy, 1818	57
Family Phyllostomidae Gray, 1825	57
Genus <i>Anoura</i> Gray, 1838	57
Genus <i>Ardops</i> Miller, 1906	57
Genus <i>Artibeus</i> Leach, 1821	57
Genus <i>Brachyphylla</i> Gray, 1834	58
Genus <i>Carollia</i> Gray, 1838	58
Genus <i>Centurio</i> Gray, 1842	58
Genus <i>Chiroderma</i> Peters, 1860	59
Genus <i>Choeroniscus</i> Thomas, 1928	59
Genus <i>Dermanura</i> Gervais, 1856	59
Genus <i>Ectophylla</i> H. Allen, 1892	60
Genus <i>Erophylla</i> Miller, 1906	60
Genus <i>Glossophaga</i> E. Geoffroy, 1818	60
Genus <i>Leptonycteris</i> Lydekker, 1891	61
Genus <i>Lichonycteris</i> Thomas, 1895	61
Genus <i>Lonchophylla</i> Thomas, 1903	61
Genus <i>Lophostoma</i> d'Orbigny, 1836	61
Genus <i>Macrotus</i> Gray, 1843	61
Genus <i>Micronycteris</i> Gray, 1866	62
Genus <i>Mimon</i> Gray, 1847	62
Genus <i>Monophyllus</i> Leach, 1821	62
Genus <i>Phyllonycteris</i> Gundlach, 1861	63
Genus <i>Platyrrhinus</i> Saussure, 1860	63
Genus <i>Rhinophylla</i> Peters, 1865	64
Genus <i>Sturnira</i> Gray, 1842	64
Genus <i>Trachops</i> Gray, 1847	64
Genus <i>Uroderma</i> Peters, 1866	65
Genus <i>Vampyressa</i> Thomas, 1900	65
Genus <i>Vampyrum</i> Rafinesque, 1815	65
Family Mormoopidae Saussure, 1860	65
Genus <i>Mormoops</i> Leach, 1821	65
Genus <i>Pteronotus</i> Gray, 1838	65
Family Noctilionidae Gray, 1821	66
Genus <i>Noctilio</i> Linnaeus, 1766	66
Family Thyropteridae Miller, 1907	66
Genus <i>Thyroptera</i> Spix, 1823	66
Family Natalidae Gray, 1866	66
Genus <i>Chilonatalus</i> Miller, 1898	66
Genus <i>Natalus</i> Gray, 1838	66
Family Molossidae Gervais, 1856	67
Genus <i>Chaerephon</i> Dobson, 1874	67
Genus <i>Cheiromeles</i> Horsfield, 1824	67
Genus <i>Eumops</i> Miller, 1906	67
Genus <i>Molossus</i> E. Geoffroy, 1805	68
Genus <i>Mormopterus</i> Peters, 1865	68

Genus <i>Nyctinomops</i> Miller, 1902	68
Genus <i>Promops</i> Gervais, 1856	69
Genus <i>Tadarida</i> Rafinesque, 1814	69
Family Vespertilionidae Gray, 1821	70
Genus <i>Antrozous</i> H. Allen, 1862	70
Genus <i>Corynorhinus</i> H. Allen, 1865	70
Genus <i>Eptesicus</i> Rafinesque, 1820	71
Genus <i>Histiotus</i> Gervais, 1856	71
Genus <i>Hypsugo</i> Kolenati, 1856	71
Genus <i>Kerivoula</i> Gray, 1842	72
Genus <i>Laephotis</i> Thomas, 1901	72
Genus <i>Lasiurus</i> Gray, 1831	72
Genus <i>Miniopterus</i> Bonaparte, 1837	73
Genus <i>Murina</i> Gray, 1842	73
Genus <i>Myotis</i> Kaup, 1829	73
Genus <i>Neoromicia</i> Roberts, 1926	79
Genus <i>Nycticeius</i> Rafinesque, 1819	80
Genus <i>Nyctophilus</i> Leach, 1821	80
Genus <i>Parastrellus</i> Hooper, Van Den Bussche, and Horacek, 2006	80
Genus <i>Perimyotis</i> Menu, 1984	81
Genus <i>Phoniscus</i> Miller, 1905	81
Genus <i>Pipistrellus</i> Kaup, 1829	81
Genus <i>Rhogeessa</i> H. Allen, 1866	81
Genus <i>Scotophilus</i> Leach, 1821	82
REFERENCES	83
INDEX OF TAXA	95

Catalog of Type Specimens of Recent Mammals: Orders Didelphimorphia through Chiroptera (excluding Rodentia) in the National Museum of Natural History, Smithsonian Institution

INTRODUCTION

The Division of Mammals, National Museum of Natural History (NMNH), Smithsonian Institution, formerly the United States National Museum (USNM), maintains the second-largest collection of mammal primary types in the world, numbering 3,202 specimens. Type specimens are “the international standards of reference that provide objectivity in zoological nomenclature” and as such “every institution in which name-bearing types are deposited should publish lists of name-bearing types in its possession or custody” (International Commission on Zoological Nomenclature, 1999:79). Although the official title of the museum was changed in 1969 (Yochelson, 1985) from United States National Museum to the National Museum of Natural History, the correct abbreviation for the museum’s cataloged holdings remains USNM. The abbreviation NMNH refers to the museum building and is not used as a prefix for catalog numbers, whereas USNM no longer refers to the museum itself and is only used in reference to museum catalog numbers.

This is the fifth type catalog of USNM mammals published to date, following Lyon and Osgood (1909; 1,415 specimens reported), Poole and Schantz (1942; 2,824 specimens reported), Fisher and Ludwig (2012; 843 specimens reported for the order Rodentia, suborders Sciuromorpha and Castorimorpha), and Fisher and Ludwig (2014; 945 specimens reported for the order Rodentia, suborders Myomorpha, Anomaluromorpha, and Hystricomorpha). We continue to deviate from the two earlier catalogs and follow the precedent set by the NMNH Division of Fishes (Vari and Howe, 1991) and Division of Amphibians and Reptiles (Reynolds et al., 2007), as continued by Fisher and Ludwig (2012, 2014), in which the type collection is divided into smaller, more manageable taxonomic reports, rather than addressed in one monograph. The current work, the third of an anticipated four such publications, covers the orders Didelphimorphia through Chiroptera, excluding Rodentia, as ordered by Wilson and Reeder (2005).

CATEGORIES OF NAME-BEARING TYPES INCLUDED

Specimens included in this catalog are one of the following as defined by the International Code of Zoological Nomenclature (International Commission on Zoological Nomenclature, 1999; hereafter ICZN).

Holotype. The single specimen upon which a new nominal species-group taxon is based in the original publication (Article 73.1).

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Syntype. Any one of the multiple specimens on which a species-group name is equally based when no holotype was specified in the original publication and no subsequent designation of a lectotype has been published (Article 73.2). Syntypes are referred to as cotypes in Lyon and Osgood (1909) and Poole and Schantz (1942) as well as in other early literature.

Lectotype. One specimen selected from two or more specimens upon which a species-group name was originally based and designated in a publication subsequent to the original description to become the unique name bearer (Article 74.1).

Neotype. A specimen chosen as the name bearer of a species-group taxon if no holotype, lectotype, syntype, or prior neotype is believed to be extant (Article 75.1).

RESEARCH APPROACH

In the early 1970s, accounts from a copy of Poole and Schantz (1942) were physically cut out and pasted onto 5 × 7 index cards to create a master card file of types. Additional cards were created and added to the file as new taxa were described and their types installed in the collection. We checked the information on each card against the original description, the original skin label (when present), and the field catalog entry (when available). Information on each index card, often annotated by hand, thus served as the nucleus of each of the accounts. Other unpublished catalogs, such as the Museum Catalog, Merriam Collection Catalog, and X-Catalog, were consulted as needed.

Authors in Wilson and Reeder (2005) are followed for currently accepted names unless an online search of Zoological Record uncovered a more recent taxonomic arrangement or we became aware of an error of citation and attribution. In the taxonomic order presented herein (see the next section), this search was conducted beginning in December 2012 for the earlier accounts and running through March 2014 for the later accounts. Each specimen record in the electronic collection database was corrected as needed to reflect new information. The type publication citation was added to the electronic database if not already present.

Digital images will be created for each specimen and will include dorsal, lateral, and ventral views of crania; dorsal and lateral views of mandibles; dorsal and ventral views of skins (lateral if possibly diagnostic); and both sides of all labels. All images will feature a metric scale bar. Additional views will be included if deemed appropriate. For lateral images, the traditional view of the left aspect will be presented except for skulls whose right side is more complete because of damage on the left. We will record specimen damage not captured in these images in the associated metadata when readily apparent but will not inspect specimens for minute damage. Images will be uploaded to the specimen database as they become available and can be accessed via the Internet (<http://collections.mnh.si.edu/search/mammals/>). Images will be created in the order in which accounts are presented. We anticipate it will take about six years for all images to be completed for specimens in this catalog. These images will not only

serve as indicators of specimen condition, but will also allow researchers to verify certain characters of a type without having to visit the NMNH and handle the specimens, thereby providing a convenience to researchers and minimizing possible damage to irreplaceable specimens.

CLASSIFICATORY ORGANIZATION

Orders and families are sequentially arranged following Wilson and Reeder (2005). Within families, currently recognized genera are arranged alphabetically. Within each currently recognized genus, the specimen accounts are arranged alphabetically by original published name.

FORMAT OF ACCOUNTS

We follow the format set by Fisher and Ludwig (2014). Each account reads as follows:

- Original published name: Genus, species, and subspecies in bold followed by the author's or authors' names.
- Abbreviated type citation: Publication, volume, page, and date of publication. Dates are given as day, month (three-letter abbreviation), and year throughout.
- Currently recognized name: Genus, species, and subspecies, if different from the original published name, followed by the citation for the first use of current name combination for the taxon. Author names in parentheses indicate that the generic name used in the original description is different from the current generic one. The statement "new name combination" replaces the citation if the name is used for the first time herein. Current names are those used by the authors in Wilson and Reeder (2005) for the 17 orders included, unless more recent authors are cited.
- Type designation (holotype, lectotype, neotype, or syntype): USNM catalog number(s), preparation of specimen, age and sex, date collected and collector(s) name(s), and original number, which is usually the field number. Some type specimens were collected by personnel of the Smithsonian Venezuelan Project; the original numbers associated with these are preceded by SVP.
- Type locality: Exact locality as given in the original description or lectotype designation, published restrictions, and supplementary data. Abbreviations are used for miles (mi), kilometers (km), feet (ft), and meters (m).
- Remarks: Additional information is provided as needed, but especially to explain types designated prior to becoming part of the USNM collection and reasons for considering certain specimens to be types when not specified as such in the original publication.

We make an effort to distinguish information that was included in the original description from that added later from other sources. Added information, such as amended or restricted

localities, is given with citations. Brackets are used to identify supplementary data not contained in the original description and, when not from commonly used sources such as maps or online gazetteers, are attributed to a collector's field catalog (FC), the Smithsonian Institution's Museum Catalog (MC), the Merriam Collection Catalog (MCC), the skin label (SL), the X-Catalog (XC), or a citation. Parentheses are placed around metric equivalents and current place names when this information was not included in the original publication.

Prior to January 1893, the USNM used a double-number cataloging system in which skins and fluid-preserved specimens were entered in one catalog and skeletal material in another. Many older specimens therefore have two numbers associated with them, and the proper museum record is indicated by a fraction such as 23651/31045. In this example, the numerator on a skin label indicates 23651 as the skin to which skull 31045 belongs; on the associated skull label, 31045/23651, the numerator indicates 31045 as a skull to which the skin 23651 belongs. This cataloging system was abandoned at the end of 1892, after which a single, continuous numbering system was implemented for all specimen parts. The new system was initiated in January 1893, beginning with number 50001. The C. Hart Merriam private collection (MCC), donated to the USNM in 1911 and mentioned in many accounts, also used the double-numbering system.

Beginning in 1896 with the Biological Survey and continuing through 5 October 1951 with the Fish and Wildlife Service, specimens incidentally acquired through exchange or purchase, or received from or collected by persons other than permanent staff, were entered in a separate catalog, known as the X-Catalog, prior to being transferred to the Division of Mammals for formal cataloging. The X-Catalog thus served as an ersatz field catalog, and its entries frequently have data (referenced as XC) that were never entered into the museum catalog or onto skin labels. X-Catalog numbers are identified with an "-X" suffix.

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ACCOUNTS OF NAME-BEARING TYPE SPECIMENS

ORDER DIDELPHIMORPHIA GILL, 1872

FAMILY DIDELPHIDAE GRAY, 1821

Genus *Caluromys* J. A. Allen, 1900

Philander centralis Hollister

Proc. Biol. Soc. Wash. 27: 103, 11 May 1914a.

= *Caluromys derbianus centralis* (Hollister, 1914). See Goodwin (1946:285).

Holotype: USNM 12218/38522. Skin and skull. Adult female.

Collected by W. Gabb, date unknown. Cataloged 19 Nov 1874. No original number.

Type Locality: Talamanca, Costa Rica.

Genus *Chacodelphys* Voss, Gardner, and Jansa, 2004

Marmosa muscula Shamel

J. Wash. Acad. Sci. 20: 83, 4 Mar 1930a. Primary junior homonym of *Didelphis (Marmosa) muscula* Cabanas, 1846.

Replaced with *Marmosa formosa* Shamel, J. Mammal. 11: 311, 9 Aug 1930b.

= *Chacodelphys formosa* (Shamel, 1930). See Voss et al. (2004:2).

Holotype: USNM 236330. Skin and skull. Adult male. Collected 9 Aug 1920 by A. Wetmore. Original number [SL: 1081].

Type Locality: [SL: Riacho Pilaga, 10 mi (16 km) NW of] kilometer 182, Formosa, Argentina.

Genus *Chironectes* Illiger, 1811

Chironectes panamensis Goldman

Smithson. Misc. Collect. 63(5): 1, 14 Mar 1914a.

= *Chironectes minimus panamensis* Goldman, 1914. See Cabrera (1958:44).

Holotype: USNM 179164. Skin and skull. Old adult male. Collected 23 Mar 1912 by E. A. Goldman. Original number 21562.
Type Locality: Cana, altitude 2,000 ft (610 m), [Darien], Panama.

Genus *Didelphis* Linnaeus, 1758

Didelphis marsupialis tabascensis J. A. Allen

Bull. Am. Mus. Nat. Hist. 14: 173, 15 Jun 1901a.
= *Didelphis marsupialis cauae* J. A. Allen, 1900. See A. L. Gardner (1973:26).

Holotype: USNM 100512. [Skin and skull]. [Lyon and Osgood (1908:1): Adult, SL: male]. Collected 7 Apr 1900 by E. W. Nelson and E. A. Goldman. Original number [SL: 14118].
Type Locality: Teapa, Tabasco, Mexico.

Didelphis marsupialis texensis J. A. Allen

Bull. Am. Mus. Nat. Hist. 14: 172, 15 Jun 1901a.
= *Didelphis virginiana californica* Bennett, 1833. See A. L. Gardner (1973:30).
Holotype: USNM 33133/45137. Skin and skull. Adult male. Collected 13 Apr 1892 by F. B. Armstrong. Original number [SL: 12].
Type Locality: Brownsville, [Cameron County], Texas.
Remarks: Gardner (2005:6) used *D. v. pigra* for this taxon in error.

Didelphis richmondi J. A. Allen

Bull. Am. Mus. Nat. Hist. 14: 175, 15 Jun 1901a.
= *Didelphis marsupialis cauae* J. A. Allen, 1900. See A. L. Gardner (1973:26).
Holotype: USNM 33136/45140. Skin and skull. Adult female. Collected 10 Feb 1892, not 7 Feb as in original description, by C. W. Richmond. Original number [SL: 16].
Type Locality: Greytown (San Juan del Norte), [Rio San Juan], Nicaragua.

Didelphis yucatanensis J. A. Allen

Bull. Am. Mus. Nat. Hist. 14: 178, 15 Jun 1901a.
= *Didelphis virginiana yucatanensis* J. A. Allen 1901. See A. L. Gardner (1973:34).
Holotype: USNM 108299, not 100299 as in original description. [Skin and skull]. Adult male. Collected 1 Feb 1901, not 29 Jan as in original description, by E. W. Nelson and E. A. Goldman. Original number [SL: 14468].
Type Locality: Chichenitza (Chichen Itza), Yucatan, [Mexico].

Didelphis yucatanensis cozumelae Merriam

Proc. Biol. Soc. Wash. 14: 101, 19 Jul 1901a.
= *Didelphis virginiana yucatanensis* J. A. Allen 1901. See A. L. Gardner (1973:34).
Holotype: USNM 108498. [Skin and skull]. Adult male. Collected 16 Apr 1901 by E. W. Nelson and E. A. Goldman. Original number 14700.
Type Locality: Cozumel Island, Yucatan (Quintana Roo), [SL: Mexico].

Genus *Gracilinanus* Gardner and Creighton, 1989

Gracilinanus perijae Hershkovitz

Fieldiana Zool. 70: 41, 30 Oct 1992.
= *Gracilinanus marica* (Thomas, 1898). See A. L. Gardner (2005:7).
Holotype: USNM 280881. Skin and skull. Adult male. Collected 10 Mar 1943 by P. Hershkovitz. Original number 1826.
Type Locality: Las Marimondas, the site of a former coffee plantation, 1,450 m, eastern slope Serrania de Perija, Cordellera Oriental de los Andes, [Fonseca District], north and above Fonseca at the time in the department of Magdalena, now incorporated into the department of La Guajira, [SL: Colombia].

Genus *Marmosa* Gray, 1821

Marmosa demararae meridae Tate

Am. Mus. Novit. 493: 3, 26 Sep 1931.
See Voss and Jansa (2009:101) for use of *Marmosa; meridae* recognized as a valid subspecies of *Micoureus demararae* by Gardner and Creighton (2008:78).
Holotype: USNM 137510. Skin and skull. Old adult male. Collected 14 Jun 1904 by Briceño Gabaldon. No original number. [SL: 5393-X].
Type Locality: Cafetos de Merida, 1,630 m, Merida, [SL: Venezuela].

Marmosa isthmica Goldman

Smithson. Misc. Collect. 56(36): 1, 19 Feb 1912a.
See Rossi et al. (2010:42) for current use.
Holotype: USNM 170969. [Skin and skull]. Adult male. Collected 16 Feb 1911 by E. A. Goldman. Original number [FC: Nelson and Goldman] 20889.
Type Locality: Rio Indio, near Gatun, Canal Zone (Colon), Panama.

Marmosa murina mexicana Merriam

Proc. Biol. Soc. Wash. 11: 44, 16 Mar 1897a.
= *Marmosa mexicana* Merriam, 1897. See Bangs (1902:19).
Holotype: USNM 71526. [Skin and skull]. Immature male. Collected 28 Feb 1895 by E. W. Nelson and E. A. Goldman. Original number 7571.
Type Locality: Juquila, [FC: Altitude 5,000 ft (1,524 m)], Oaxaca, [FC: Mexico].

Marmosa ruatanica Goldman

Proc. Biol. Soc. Wash. 24: 237, 28 Nov 1911.
= *Marmosa mexicana* Merriam, 1897. See Rossi et al. (2010:24) for current use.
Holotype: USNM 7785/37700. Skin and skull. Adult, sex not given. Collected on unknown date by J. Akhurst. Cataloged 4 Feb 1865.
Type Locality: Ruatan Island (Isla de Roatan), [Islas de la Bahia], off north coast of Honduras.

Remarks: The original description gave only the skin number USNM 7785; USNM 37700 is the skull that belongs to it.

***Marmosa xerophila* Handley and Gordon**

Vertebrate Ecology in the Northern Neotropics, p. 68, 4 Jan 1980.
Holotype: USNM 443819. Skin and skull. Adult male. Collected 28 Jun 1986 by N. E. Peterson, F. P. Brown, Jr., and J. O. Matson. Original number SVP 23528.
Type Locality: La Isla, 15 m, near Cojoro, 37 km NNE Paraguaipoa, Department of Guajira (La Guajira), Colombia.

***Marmosa zeledoni* Goldman**

Proc. Biol. Soc. Wash. 24: 238, 28 Nov 1911.
See Rossi et al. (2010:37) for current use.
Holotype: USNM 12885/37133. Skin and skull. Adult male. Collected 1 Mar 1878 by J. C. Zeledon. Original number [SL: 119].
Type Locality: Navarro, [Miller and Kellogg (1955:9): near Orosi, 2,500-3,000 ft (762-914 m)], [Cartago], Costa Rica.

Genus *Marmosops* Matschie, 1916

***Marmosa cauae albiventris* Tate**

Bull. Am. Mus. Nat. Hist. 66: 182, 10 Aug 1933.
= *Marmosops impavidus* (Tschudi, 1845). See A. L. Gardner (2005:10).
Holotype: USNM 194378. Skin and skull. Adult male. Collected 30 Apr 1915 by E. Heller. Original number 129.
Type Locality: Torontoy, near Cuzco (Cusco), altitude 8,000 ft (2,438 m) [FC: 8,500 ft (2,591 m)], [Cusco], Peru.

***Marmosa cracens* Handley and Gordon**

Vertebrate Ecology in the Northern Neotropics, p. 66, 4 Jan 1980.
= *Marmosops cracens* (Handley and Gordon, 1980). See Gardner and Creighton (1989:4).
Holotype: USNM 418503. Skin and skull. Young adult male. Collected 11 Nov 1967 by N. E. Peterson, F. P. Brown, Jr., and J. O. Matson. Original number SVP 14837.
Type Locality: Near La Pastora, 11°12'N, 68°37'W, 150 m, 14 km ENE Mirimire, Falcon, Venezuela.

***Marmosa invicta* Goldman**

Smithson. Misc. Collect. 60(2): 3, 20 Sep 1912b.
= *Marmosops invictus* (Goldman, 1912). See Gardner and Creighton (1989:4).
Holotype: USNM 178708. [Skin and skull]. Adult male. Collected 14 Mar 1912 by [SL: E. A. Goldman]. Original number 21517.
Type Locality: Cana, altitude 2,000 ft (610 m), [Darien], in the mountains of eastern Panama.

***Marmosa parvidens bishopi* Pine**

Mammalia 45: 63, 15 May 1981.
= *Marmosops bishopi* (Pine, 1981). See Voss et al. (2001:48).

Holotype: USNM 393535. Skin and skull. Adult female. Collected [SL: 5 Jul 1968] by R. H. Pine. Original number [SL: 5176], not 5157 as given in original description.
Type Locality: 264 km N, by road, Xavantina, 12°51'S, 51°46'W, 1,750 m, Serra do Roncador, Mato Grosso, Brazil.

***Marmosa parvidens pinheiroi* Pine**

Mammalia 45: 61, 15 May 1981.
= *Marmosops pinheiroi* (Pine, 1981). See Voss et al. (2001:49).
Holotype: USNM 461459. Skin and skull. Adult female. Collected 8 May 1969 by personnel of the Instituto Evandro Chagas. Original numbers T-391 and L5049.
Type Locality: Rio Amapari, Serra do Navio, 0°59'N, 52°03'W, Amapa, Brazil.

***Marmosa parvidens woodalli* Pine**

Mammalia 45: 62, 15 May 1981.
= *Marmosops pinheiroi* (Pine, 1981). See Voss et al. (2001:49).
Holotype: USNM 393532. Skin and skull. Adult female. Collected 14 Jun 1968 by R. H. Pine. Original number 5054; Belem Virus Laboratory number 20346.
Type Locality: "Nova Area Experimental," Utinga, the wooded area surrounding the Belem waterworks, 1°27'S, 48°29'W, Belem, Para, Brazil.

***Marmosa purui* G. S. Miller**

Proc. Biol. Soc. Wash. 26: 31, 8 Feb 1913a.
= *Marmosops noctivagus* (Tschudi, 1844). See Voss and Jansa (2009:134).
Holotype: USNM 105543. [Skin in] alcohol, [skull removed]. Adult male. Collected Mar 1901 by J. B. Steere. No original number.
Type Locality: Hyutana-ham (Huitanaa), upper Purus River, [Amazonas], Brazil.

***Marmosops impavidus neblina* A. L. Gardner**

Advances in Neotropical Mammalogy, p. 414, 6 Feb 1990 [1989].
= *Marmosops neblina* A. L. Gardner, 1990. See Mustrangi and Patton (1997:22).
Holotype: USNM 560735. Skin and skull. Adult male. Collected 5 Feb 1985 by A. L. Gardner. Original number 14436.
Type Locality: Camp VII, 00°50'40"N, 65°58'10"W, 1,800 m, Cerro de la Neblina, Territorio Federal Amazonas (Amazonas), Venezuela.

Genus *Metachirus* Burmeister, 1854

***Metachirus nudicaudatus dentaneus* Goldman**

Smithson. Misc. Collect. 56(36): 2, 19 Feb 1912a.
= *Metachirus nudicaudatus colombianus* J. A. Allen, 1900. See A. L. Gardner (2005:12).
Holotype: USNM 172732. [Skin and skull]. Adult male. Collected 12 Jan 1911 by E. A. Goldman. Original number [FC: Nelson and Goldman] 20837.
Type Locality: Gatun, Canal Zone (Colon), Panama.

Genus *Monodelphis* Burnett, 1830***Monodelphis kunsii* Pine**

Mammalia 39: 321, 20 Dec 1975.

Holotype: USNM 461348. Skin, skull, and skeleton. Adult male.

Collected about Jul 1971 by E. Lotore. No original number.

Type Locality: La Granja, below 200 m, west bank of Rio Itonamas, 4 km north of Magdalena, Provincia Itenez, Departamento Beni (El Beni), Bolivia.

Remarks: Presented by M. L. Kuns, this specimen was originally prepared as a taxidermy mount by T. Rosas. The skeleton could not be found on 14 Mar 2013.

***P[eromys]. d[imidiata]. itaiyayae* Miranda-Ribeiro**

Rev. Mus. Paul. 20: 421, 20 Jun 1936.

= *Monodelphis sorex* (Hensel, 1872). See Pine (1980:495).

Lectotype: USNM 461068 as designated by Avila Pires (1968:163).

In alcohol [now a skin and skull]. [Avila Pires (1968:163): Adult] male. Collected in [SL: 1936] by Snr. Zikan. Original number [SL: 28. Museo National number 1311].

Type Locality: Campo Bello, E do Rio [SL: de Janeiro], Itaiyaya (Itatiaia), [SL: Brazil].

Remarks: A type specimen was not designated by number in the original description. Avila Pires (1968:163) effectively designated a lectotype by listing this specimen as the type. (See ICZN, 1999, Recommendation 73F and Article 74.6). The specimen, originally in alcohol, had been made into a skin and skull by the time of Avila Pires's catalog. It was cataloged as USNM 461068 on 5 Nov 1970.

***Peromys melanops* Goldman**

Smithson. Misc. Collect. 60(2): 2, 20 Sep 1912b.

= *Monodelphis adusta* (Thomas, 1897). See Handley (1966a:754).

Holotype: USNM 179609. [Skin, skull, and skeleton]. Adult male. Collected 23 May 1912 by E. A. Goldman. Original number 21737.

Type Locality: Cana, altitude [SL and FC: 2,800 ft (853 m)], not 2,000 ft (610 m) as given in original description, [Darien], in the mountains of eastern Panama.

Genus *Philander* Brisson, 1762***Metachirus fuscogriseus pallidus* J. A. Allen**

Bull. Am. Mus. Nat. Hist. 14: 215, 3 Jul 1901b.

= *Philander opossum fuscogriseus* (J. A. Allen, 1901). See Hershkovitz (1997:53).

Holotype: USNM 58158. [Skin and skull]. Adult male. Collected 24 [SL and FC: Jan] 1894, not Jun as in original description, by E. W. Nelson and E. A. Goldman. Original number [SL: 5740].

Type Locality: Orizaba, [FC: altitude 4,200 ft (1,280 m)], Veracruz, Mexico.

Genus *Thylamys* Gray, 1843***Marmosa tatei* Handley**

J. Wash. Acad. Sci. 46: 402, 13 Feb 1957.

= *Thylamys tatei* (Handley, 1957). See Reig et al. (1987:7).

Holotype: USNM 302915. Skin and skull, skinned from alcohol [SL: 8 Mar 1956]. Adult male. Collected Dec 1955 by J. M. de la Barrera. Original number 53/139.

Type Locality: Chasquitambo, 10°18'48"S, 77°37'20"W, 710 m, Ancachs (Ancash), Peru.

Genus *Tlacuatzin* Voss and Jansa, 2003***Marmosa insularis* Merriam**

Proc. Biol. Soc. Wash. 12: 14, 27 Jan 1898a.

= *Tlacuatzin canescens canescens* (J. A. Allen, 1893). See A. L. Gardner (2005:18).

Holotype: USNM 89215. [Skin and skull]. Adult male. Collected 16 May 1897 by E. W. Nelson and E. A. Goldman. Original number 11028.

Type Locality: Maria Madre Island, [FC: altitude 800 ft (244 m)], Tres Marias Islands, [Nayarit], Mexico.

***Marmosa oaxacae* Merriam**

Proc. Biol. Soc. Wash. 11: 43, 16 Mar 1897a.

= *Tlacuatzin canescens canescens* (J. A. Allen, 1893). See A. L. Gardner (2005:18).

Holotype: USNM 68240. [Skin and skull]. Adult female. Collected 14 Aug 1894 by E. W. Nelson and E. A. Goldman. Original number 6571.

Type Locality: City of Oaxaca, [FC: altitude 5,000 ft (1,524 m)], Oaxaca, Mexico.

ORDER PAUCITUBERCULATA AMEGHINO, 1894**FAMILY CAENOESTIDAE TROUESSART, 1898****Genus *Lestoros* Oehser, 1934*****Orolestes inca* Thomas**

Smithson. Misc. Collect. 68(4): 3, 10 Apr 1917.

= *Lestoros inca* (Thomas, 1917). See Oehser (1934:240).

Holotype: USNM 194401. [Skin, skull, and skeleton], [Poole and Schantz (1942:228): Adult] male. Collected [SL: 14 May 1915 by E. Heller]. Original number 248.

Type Locality: Torontoy, [SL and FC: timberline], altitude 14,000 ft (4,267 m), [Cusco], [SL: Peru].

ORDER DASYUROMORPHIA GILL, 1872**FAMILY DASYURIDAE GOLDFUSS, 1820****Genus *Pseudantechinus* Tate, 1947*****Antechinus bilarni* Johnson**

Proc. Biol. Soc. Wash. 67: 77, 22 Mar 1954.

= *Pseudantechinus bilarni* (Johnson, 1954). See Kitchener and Caputi (1988:35).

Holotype: USNM 283970. Skin and skull. Adult female. Collected 29 Oct 1948 by D. H. Johnson. Original number 5919.

Type Locality: Oenpelli (Gunbalanya), lat. 12°20'S, long. 133°3'E, East Alligator River, Northern Territory, Australia.

ORDER DIPROTODONTIA OWEN, 1866

FAMILY PHALANGERIDAE THOMAS, 1888

Genus *Ailurops* Wagler, 1830

Phalanger furvus Miller and Hollister

Proc. Biol. Soc. Wash. 35: 115, 17 Oct 1922.

= *Ailurops ursinus furvus* (Miller and Hollister, 1922). See George (1987:509).

Holotype: USNM 219473. Skin and skull. Adult male. Collected 5 Jan 1918 by H. C. Raven. Original number 3369.

Type Locality: Rano Rano (Ranorano), [FC: altitude about 1,800 m], [Sulawesi Tengah], Middle Celebes (Sulawesi), [Indonesia].

ORDER MACROSCELIDEA BUTLER, 1956

FAMILY MACROSCOLIDAE BONAPARTE, 1838

**Genus *Elephantulus*
Thomas and Schwann, 1906**

Elephantulus phaeus Heller

Smithson. Misc. Collect. 56(15): 8, 23 Dec 1910a.

= *Elephantulus rufescens dundasi* Dollman, 1910. See Corbet (1974:5).

Holotype: USNM 162074. [Skin and skull]. Adult male. Collected 26 Jun 1909 by J. A. Loring. Original number 6441.

Type Locality: Njoro O Solali, Sotik District, [Rift Valley], British East Africa (Kenya).

Elephantulus rufescens mariakanae Heller

Smithson. Misc. Collect. 60(12): 10, 4 Nov 1912a.

= *Elephantulus rufescens rufescens* (Peters, 1878). See Corbet (1974:5).

Holotype: USNM 181821. [Skin and skull]. Adult female. Collected 31 Dec 1911 by E. Heller. Original number 5072.

Type Locality: Mariakani, [Coast Province], British East Africa (Kenya).

Genus *Petrodromus* Peters, 1846

Petrodromus sultani sangi Heller

Smithson. Misc. Collect. 60(12): 12, 4 Nov 1912a.

= *Petrodromus tetradactylus sultani* Thomas, 1897. See Corbet (1974:2).

Holotype: USNM 181822. [Skin and skull]. Adult male. Collected 9 Nov 1911 by E. Heller. Original number 4698.

Type Locality: Summit of Mount Mbololo, altitude 4,000 ft (1,219 m), Taiti (Taita) Hills, [Coast Province], British East Africa (Kenya).

ORDER HYRACOIDEA HUXLEY, 1869

FAMILY PROCAVIIDAE THOMAS, 1892

Genus *Dendrohyrax* Gray, 1868

Dendrohyrax validus True

Proc. U.S. Natl. Mus. 13: 228, 16 Sep 1890.

= *Dendrohyrax arboreus* (Hamilton Smith, 1827). See Shoshani (2005:87).

Lectotype: USNM 18986/34721 as designated by Lyon and Osgood (1909:26). Skin and skull. Adult male. Collected 17 Jun 1888 by W. L. Abbott. Original number 8.

Type Locality: Mount Kilimanjaro, [Kilimanjaro], German East Africa (Tanzania).

Remarks: No type specimen was designated in the original description and True (1890:16) based the description on more than one specimen. Lyon and Osgood (1909:26) selected the above-listed specimen as the type, and effectively designated it as lectotype (ICZN, 1999: Article 74.5).

Genus *Heterohyrax* Gray, 1868

Heterohyrax brucei albipes Hollister

Proc. Biol. Soc. Wash. 35: 135, 17 Oct 1922.

Holotype: USNM 181551. Skin and skull. Adult female. Collected 17 May 1911 by E. Heller. Original number [SL: 1816].

Type Locality: [SL: Sotik, on the] Telek River, Loita Plains, [Rift Valley], Kenya Colony (Keyna).

ORDER PROBOSCIDEA ILLIGER, 1811

FAMILY ELEPHANTIDAE GRAY, 1821

Genus *Loxodonta* Anonymous, 1827

Elephas africanus rothschildi Lydekker

Proc. Zool. Soc. London 1: 399, 23 Apr 1907.

= *Loxodonta africana* (Blumenbach, 1797). See Roosevelt and Heller (1914:736).

Holotype: USNM 22247. [Cross-section of upper part of tusk]. Male. Inscribed on the tusk is: born in Africa, 1861; died at St. Thomas, [Ontario], Canada 15 Sep 1885. Date of collection, collector, and original number unknown.

Type Locality: Some part of the French Sudan (Mali), probably to the southward of Lake Chad.

Remarks: This locality is probably in Chad or Cameroon. Lydekker (1907:399) took for his type the statuette of "Jumbo" in the British Museum. This piece of tusk is from the original animal and therefore is part of the holotype. (See ICZN, 1999, Article 73.1.4.) In a letter from H. A. Ward to Spencer F. Baird, dated 23 Mar 1886, Ward stated that he had a few slices prepared from the part of one of the tusks of Jumbo which was buried in his head and he

mailed a slice to Baird thinking it might be of interest to him (USNM accession record 17276). The piece was received 26 Mar 1886 and cataloged 28 Sep 1886. Shoshani et al. (1986) chronicle the history and deposition of the remains of "Jumbo." This specimen was not included in either Lyon and Osgood (1909) or Poole and Schantz (1942).

ORDER SIRENIA ILLIGER, 1811

FAMILY TRICHECHIDAE GILL, 1872

Genus *Trichechus* Linnaeus, 1758

Manatus oweni Du Chaillu

Proc. Boston Soc. Nat. Hist. 7: 367, 1861.

= *Trichechus senegalensis* Link, 1795. See Gray (1865:1340).

Syntype: USNM 20907. [Skull and skeleton]. Age and sex unknown. Collected on unknown date by P. B. Du Chaillu. Cataloged [MC: 20 Apr 1883].

Type Locality: Central Africa. [Gray (1865:134): Mouth of the Gabon].

Remarks: Received from the British Museum (Natural History) on 19 Apr 1883. British Museum number 1388a.

ORDER CINGULATA ILLIGER, 1811

FAMILY DASYPODIDAE GRAY, 1821

Genus *Cabassous* McMurtrie, 1831

Tatoua (Ziphila) centralis G. S. Miller

Proc. Biol. Soc. Wash. 13: 4, 31 Jan 1899a.

= *Cabassous centralis* (G. S. Miller, 1899). See Palmer (1899:72).

Holotype: USNM 19464/35382. Skin and skull. Adult female. Collected 8 Jan 1891 by E. Wittkugel. Original number [SL: 8].

Type Locality: Chamelicon (Chamelecon), [Cortes], Honduras.

Genus *Dasybus* Linnaeus, 1758

Tatu novemcinctum texanum Bailey

N. Am. Fauna 25: 52, 24 Oct 1905.

= *Dasybus novemcinctus mexicanus* Peters, 1864. See Hollister (1925:60).

Holotype: USNM 34352/46438. Skin and skull. Adult male. Collected 10 Jun 1892, not 1902 as in original description, by F. B. Armstrong. Original number 4.

Type Locality: Brownsville, [Cameron County], Texas.

ORDER PILOSA FLOWER, 1883

FAMILY BRADYPODIDAE GRAY, 1821

Genus *Bradypus* Linnaeus, 1758

Bradypus ignavus Goldman

Smithson. Misc. Collect. 60(22): 1, 28 Feb 1913.

= *Bradypus variegatus ephippiger* Philippi, 1870. See Hall (1981:280).

Holotype: USNM 179551. [Skin and skull]. Adult female. Collected 6 Apr 1912 by E. A. Goldman. Original number 21596. Type Locality: Marraganti, [SL and FC: sea level], about 2 mi (3 km) above Real de Santa Maria, near head of tidewater on the Rio Tuyra (Rio Tuira), [Darien], eastern Panama.

Bradypus pygmaeus Anderson and Handley

Proc. Biol. Soc. Wash. 114: 17, 19 Apr 2001.

Holotype: USNM 579179. Skin and skull. Adult female. Collected 27 Mar 1991 by C. O. Handley, Jr. and E. P. Nelson. Original number EPN 166.

Type Locality: [SL: Northern Quarter], West Point, Isla Escudo de Veraguas, Bocas del Toro, Panama.

FAMILY MEGALONYCHIDAE AMEGHINO 1889

Genus *Acratocnus* Miller, 1929

Acratocnus? comes G. S. Miller

Smithson. Misc. Collect. 81(9): 26, 30 Mar 1929.

Holotype: USNM 253178.

This specimen was transferred to the NMNH Paleobiology Department, date unknown.

Genus *Parocnus* Miller, 1929

Parocnus serus G. S. Miller

Smithson. Misc. Collect. 81(9): 29, 30 Mar 1929.

Holotype: USNM 253228.

This specimen was transferred to the NMNH Paleobiology Department, date unknown.

FAMILY CYCLOPEDIDAE POCOCK, 1924

Genus *Cyclopes* Gray, 1821

Cyclopes mexicanus Hollister

Proc. Biol. Soc. Wash. 27: 210, 31 Oct 1914b.

= *Cyclopes didactylus mexicanus* Hollister, 1914. See Hall and Kelson (1952:316).

Holotype: USNM 11137/38534. Skin and skull. Adult, sex not given. Collected on unknown date by J. C. Spear. [MC: Cataloged 30 Dec 1872]. Original number [SL: 8].

Type Locality: Tehuantepec, Oaxaca, Mexico.

FAMILY MYRMECOPHAGIDAE GRAY, 1825

Genus *Myrmecophaga* Linnaeus, 1758

Myrmecophaga centralis Lyon

Proc. U.S. Natl. Mus. 31: 570, 14 Nov 1906a.

= *Myrmecophaga tridactyla centralis* Lyon, 1906. See Goldman (1920:64).

Holotype: USNM 15963. Skull only. Young adult, sex not given. Collected Jun 1876 by J. C. Zeledon. Original number 86.

Type Locality: Pacuare, Costa Rica.

ORDER SCANDENTIA WAGNER, 1855**FAMILY TUPAIIDAE GRAY, 1825****Genus *Tupaia* Raffles, 1821***Tana cervicalis masae* Lyon

Proc. U.S. Natl. Mus. 45: 148, 29 Nov 1913.

= *Tupaia tana masae* (Lyon, 1913). See Chasen (1940:7)

Holotype: USNM 121835. Skin and skull. Adult female. Collected 18 Feb 1903 by W. L. Abbott. Original number 2302.

Type Locality: Tana Masa (Pulau Tanahmasa), Batu Islands (Kepulauan Batu), [Sumatera Utara], west coast of Sumatra, [Indonesia].

Tana lingae Lyon

Proc. U.S. Natl. Mus. 45: 145, 29 Nov 1913.

= *Tupaia tana lingae* (Lyon, 1913). See Chasen (1940:7).

Holotype: USNM 101597. Skin and skull. Adult male. Collected 16 Jul 1899 by W. L. Abbott. No original number.

Type Locality: On the peak of Linga Island (Pulau Lingga), altitude 2,000 ft (610 m), Rhio-Linga Archipelago (Kepulauan Lingga), [Kepulauan Riau, Sumatra, Indonesia].

Tana tana besara Lyon

Proc. U.S. Natl. Mus. 45: 141, 29 Nov 1913.

= *Tupaia tana besara* (Lyon, 1913). See Chasen (1940:6).

Holotype: USNM 142247. Skin and skull. Adult male. Collected 17 Sep 1905 by W. L. Abbott. Original number 4458.

Type Locality: Opposite Pulo Jambu, below Tyan (Tayan), on north, or right, bank of Kapuas River (Sungai Kapuas), [Kalimantan Barat], western Borneo (Kalimantan), [Indonesia].

Tana tana tuancus Lyon

Proc. U.S. Natl. Mus. 45: 145, 29 Nov 1913.

= *Tupaia tana speciosa* (Wagner, 1841). See Helgen (2005:108).

Holotype: USNM 114412. Skin and skull. Adult male. Collected 29 Jan 1902, not 1905 as in original description, by W. L. Abbott. Original number 1489.

Type Locality: Pulo (Pulau) Tuangku, Banjak Islands (Kepulauan Banyak), [Aceh], west coast of Sumatra, [Indonesia].

Tupaia anambae Lyon

Proc. U.S. Natl. Mus. 45: 89, 29 Nov 1913.

= *Tupaia glis* (Diard, 1820). See Chasen and Kloss (1928a:38). Subspecies of *T. glis* not recognized by Helgen (2005:106).

Holotype: USNM 101743. Skin and skull. Adult male. Collected 23 Sep 1899 by W. L. Abbott. No original number.

Type Locality: Pulo Jimaja (Pulau Jemaja), Anamba Islands (Kepulauan Anambas), South China Sea, between Malay Peninsula and Borneo, [Kepulauan Riau, Indonesia].

Tupaia bunoae G. S. Miller

Proc. Wash. Acad. Sci. 2: 229, 20 Aug 1900a.

= *Tupaia tana bunoae* G. S. Miller, 1900. See Chasen (1940:7).

Holotype: USNM 101640. Skin and skull. Adult female. Collected 5 Aug 1899 by [MC: W. L. Abbott]. No original number.

Type Locality: Pulo Bunoa (Pulau Benua), Tambelan Islands (Kepulauan Tambelan), [Kepulauan Riau, Indonesia].

Tupaia carimatae G. S. Miller

Proc. U.S. Natl. Mus. 31: 61, 23 Jul 1906a.

= *Tupaia splendidula carimatae* G. S. Miller, 1906. See Medway (1961:271).

Holotype: USNM 125123. Skin and skull. Adult male. Collected 2 Sep 1904 by W. L. Abbott. Original number 3716.

Type Locality: [SL: Telok Edar], Karimata Island (Pulau Karimata), [Kalimantan Barat, Borneo (Kalimantan), Indonesia].

Tupaia castanea G. S. Miller

Smithson. Misc. Collect. 45(1): 54, 6 Nov 1903a.

= *Tupaia glis* (Diard, 1820) See Chasen (1940:3). Subspecies of *T. glis* not recognized by Helgen (2006:106).

Holotype: USNM 115608. Skin and skull. Adult female. Collected 11 Aug 1902 by W. L. Abbott. Original number 1872.

Type Locality: [FC: Pasin Panjong], Pulo Bintang (Pulau Bintan), Rhio Archipelago (Kepulauan Riau), [Kepulauan Riau, Sumatra, Indonesia].

Tupaia cervicalis G. S. Miller

Smithson. Misc. Collect. 45(1): 59, 6 Nov 1903a.

= *Tupaia tana cervicalis* G. S. Miller, 1903. See Chasen (1940:7).

Holotype: USNM 121754. Skin and skull. Adult male. Collected 14 Feb 1903 by W. L. Abbott. Original number 2294.

Type Locality: Tana Bala (Pulau Tanahbala), Batu Islands (Kepulauan Batu), [Sumatera Utara], Sumatra, [Indonesia].

Tupaia chrysogaster G. S. Miller

Smithson. Misc. Collect. 45(1): 58, 6 Nov 1903a.

Holotype: USNM 121572. Skin and skull. Adult female. Collected 21 Nov 1902 by W. L. Abbott. Original number 2078.

Type Locality: North Pagi Island (Pulau Pagai Utara), [Sumatera Barat], Sumatra, [Indonesia].

Tupaia chrysomalla G. S. Miller

Proc. Wash. Acad. Sci. 2: 232, 20 Aug 1900a.

= *Tupaia glis* (Diard, 1820). See Chasen and Kloss (1928a:38) who place *chrysomalla* in *T. glis*. Subspecies of *T. glis* not recognized by Helgen (2005:106).

Holotype: USNM 101710. Skin and skull. Adult female. Collected 24 Aug 1899 by [MC: W. L. Abbott]. No original number.

Type Locality: Pulo (Pulau) Siantan. Anambas Islands (Kepulauan Anambas), [Kepulauan Riau, Indonesia].

Tupaia cuyonis G. S. Miller

Proc. U.S. Natl. Mus. 38: 393, 19 Aug 1910.

= *Tupaia moellendorffi cuyonis* G. S. Miller, 1910. See Helgen (2005:107).

Holotype: USNM 239182. Skin and skull. Adult male. Collected 15 Jan 1903 by R. C. McGregor and A. Celestino. Original number Philippine Bureau of Science 26.

Type Locality: Island of Cuyo, [Palawan Province], [MC: Philippine Islands] (Philippines).

Remarks: The holotype was published as Philippine Bureau of Science number 26. It was cataloged as USNM 239182 on 6 Feb 1923.

***Tupaia discolor* Lyon**

Proc. U.S. Natl. Mus. 31: 602, 18 Dec 1906b.

See Sargis et al. (2013:201) for current use.

Holotype: USNM 124703. Skin and skull. Adult female. Collected 24 May 1904 by W. L. Abbott. Original number 3262.

Type Locality: Tanjong Rengsam, Island of Banka (Pulau Bangka), [Kepulauan Bangka Belitung], east of Sumatra, [Indonesia].

***Tupaia ferruginea batamana* Lyon**

Proc. U.S. Natl. Mus. 31: 656, 16 Jan 1907a.

= *Tupaia glis* (Diard, 1820). See Lyon (1913:46). Subspecies of *T. glis* not recognized by Helgen (2005:106).

Holotype: USNM 142151. Skin and skull. Adult female. Collected 15 Sep 1905 by C. B. Kloss. Original number 2.

Type Locality: Semimba Bay (Teluk Senimba), Batam Island (Pulau Batam), south of Malay Peninsula, [Kepulauan Riau, Indonesia].

***Tupaia glis olivacea* Kloss**

J. Nat. Hist. Soc. Siam 3: 358, 31 Dec 1919.

= *Tupaia belangeri olivacea* Kloss, 1919. See Sargis et al. (2013:200) for current use.

Holotype: USNM 221562. Skin and skull. Adult male. Collected 23 Oct 1916 by C. B. Kloss. Original number 2208.

Type Locality: Pak Bu, near Tachin (Samut Sakhon), [Samut Sakhon], Siam (Thailand).

Remarks: The holotype was published as C. B. Kloss number 2208. It was cataloged as USNM 221562 on 2 Jul 1920.

***Tupaia gracilis edarata* Lyon**

Proc. U.S. Natl. Mus. 45: 118, 29 Nov 1913.

Holotype: USNM 153859. Skin and skull. Young adult female. Collected 5 Oct 1908 by W. L. Abbott. Original number 6226.

Type Locality: Telok Edar, Karimata Island (Pulau Karimata), [Kalimantan Barat], off west coast of Borneo (Kalimantan), [Indonesia].

***Tupaia inflata* Lyon**

Proc. U.S. Natl. Mus. 31: 600, 18 Dec 1906b.

= *Tupaia gracilis inflata* Lyon, 1906. See Lyon (1913:118).

Holotype: USNM 124709. Skin and skull. Adult male. Collected 20 May 1904 by W. L. Abbott. Original number 3241.

Type Locality: Tanjong Rengsam, island of Banka (Pulau Bangka), [Kepulauan Bangka Belitung], east of Sumatra, [Indonesia].

***Tupaia lacernata kohtauensis* Shamel**

J. Mammal. 11: 71, 11 Feb 1930c.

= *Tupaia belangeri kohtauensis* Shamel, 1930. See Sargis et al. (2013:200).

Holotype: USNM 253446. Skin and skull. Adult male. Collected 19 Sep 1928 by H. M. Smith. Original number [SL: 2372].

Type Locality: Island of Koh Tau (Ko Tao), [Surat Thani, Thailand].

***Tupaia longipes salatana* Lyon**

Proc. U.S. Natl. Mus. 45: 77, 29 Nov 1913.

= *Tupaia salatana* Lyon, 1913. See Sargis et al. (2013:201).

Holotype: USNM 151882. Skin and skull. [Poole and Schantz (1942:205): Adult, SL and FC: male]. Collected 11 Feb 1908 by W. L. Abbott. Original number 5785.

Type Locality: 15 mi (24 km) from mouth of Pangkallahan River, [Kalimantan Selatan], eastern Borneo (Kalimantan), [Indonesia].

***Tupaia natunae* Lyon**

Proc. Biol. Soc. Wash. 24: 168, 16 Jun 1911a.

= *Tupaia splendidula natunae* Lyon, 1911. See Medway (1961: 271).

Holotype: USNM 104714. Skin and skull. Rather old adult female. Collected 27 Jun 1900 by W. L. Abbott. Original number 514.

Type Locality: Bunguran (Pulau Natuna Besar), Natuna Islands (Kepulauan Natuna Besar), [Kepulauan Riau, Indonesia].

***Tupaia nicobarica surda* G. S. Miller**

Proc. U.S. Natl. Mus. 24: 774, 29 May 1902a.

Holotype: USNM 111757. Skin and skull. Adult male. Collected 1 Mar 1901 by W. L. Abbott. Original number 899.

Type Locality: Little Nicobar Island, [Andaman and Nicobar Islands, India].

***Tupaia pemangilis* Lyon**

Proc. Biol. Soc. Wash. 24: 168, 16 Jun 1911a.

= *Tupaia glis* (Diard, 1820). See Lyon (1913:48). Subspecies of *T. glis* not recognized by Helgen (2005:106).

Holotype: USNM 112499. Skin and skull. Adult female. Collected 12 Jun 1901 by W. L. Abbott. Original number 1064.

Type Locality: Pulo Pemangil (Pulau Pemanggil), [Johor], off east coast of Malay Peninsula, [Malaysia].

***Tupaia phaeura* G. S. Miller**

Proc. Acad. Nat. Sci. Phila. 54: 157, 11 Jun 1902b.

= *Tupaia glis* (Diard, 1820). See Chasen (1940:3). Subspecies of *T. glis* not recognized by Helgen (2005:106).

Holotype: USNM 113148. Skin and skull. Adult male. Collected 4 Sep 1901 by W. L. Abbott. Original number 1275.

Type Locality: [FC: Sakana Bay], Sinkep Island (Pulau Singkep), [Lyon and Osgood (1909:253): Rhio Linga Archipelago (Kepulauan Lingga)], South China Sea, [Kepulauan Riau, Sumatra, Indonesia].

Tupaia picta fuscior Medway

J. Malay. Br. Roy. Asiat. Soc. 36 (part 3): 74, 1965.

Holotype: USNM 197198. Skin and skull. Adult male. Collected 28 Jun 1913 by H. C. Raven. Original number [SL: 881].

Type Locality: Labuan Klambu (Labuhankelambu), east Kalimantan (Kalimantan Timur), Borneo (Kalimantan), [Indonesia].

Tupaia pulonis G. S. Miller

Smithson. Misc. Collect. 45(1): 56, 6 Nov 1903a.

= *Tupaia glis* (Diard, 1820). See Lyon (1913:47). Subspecies of *T. glis* not recognized by Helgen (2005:106).

Holotype: USNM 112449. Skin and skull. Adult female. Collected 7 Jun 1901 by W. L. Abbott. Original number 1023.

Type Locality: Pulo Aor (Pulau Aur), [FC: South China Sea], off coast of Johore (Johor), [Malaysia].

Tupaia raviana Lyon

Proc. Biol. Soc. Wash. 24: 167, 16 Jun 1911a.

= *Tupaia glis* (Diard, 1820). See Chasen (1940:2). Subspecies of *T. glis* not recognized by Helgen (2005:106).

Holotype: USNM 104355. Skin and skull. Old adult male. Collected 18 Dec 1899 by W. L. Abbott. Original number 172.

Type Locality: Pulo Rawi (Ko Ra Wi), Butang Islands (Batang Group), off west coast of Malay Peninsula, [Satun, Thailand].

Tupaia riabus Lyon

Proc. U.S. Natl. Mus. 45: 88, 29 Nov 1913.

= *Tupaia splendidulus riabus* Lyon, 1913. See Helgen (2005:108).

Holotype: USNM 104881. Skin and skull. Adult female. Collected 23 Aug 1900 by W. L. Abbott. Original number [SL: 636].

Type Locality: Pulo Riabu (Pulau Airabu), Anamba Islands (Kepulauan Anambas), [Kepulauan Riau, Indonesia].

Tupaia siaca Lyon

Proc. U.S. Natl. Mus. 34: 661, 14 Sep 1908.

= *Tupaia ferruginea* Raffles, 1821. See Sargis et al. (2013:201) for current use.

Holotype: USNM 144205. Skin and skull. Adult female. Collected 4 Nov 1906 by W. L. Abbott. Original number 4856.

Type Locality: Little Siak River (Sungai Siak Kecil), [Riau], eastern Sumatra, [Indonesia].

Tupaia sincepis Lyon

Proc. Biol. Soc. Wash. 24: 169, 16 Jun 1911a.

= *Tupaia minor sincepis* Lyon, 1911. See Lyon (1913:115).

Holotype: USNM 123105. Skin and skull. Adult male. Collected 8 Aug 1903 by W. L. Abbott. Original number 2732.

Type Locality: Pulo (Pulau) Singkep, Rhio-Linga Archipelago, (Kepulauan Lingga), [Kepulauan Riau, Sumatra, Indonesia].

Tupaia sirhassenensis G. S. Miller

Proc. Wash. Acad. Sci. 3: 133, 26 Mar 1901a.

= *Tupaia tana sirhassenensis* G. S. Miller, 1901. See Chasen (1940:7).

Holotype: USNM 104712. Skin and skull. Adult male. Collected 5 Jun 1900 by [MC: W. L. Abbott]. Original number 442.

Type Locality: Sirhassen Island (Pulau Serasan), Natunas (Kepulauan Natuna Selatan), [Kepulauan Riau, Indonesia].

Tupaia sordida G. S. Miller

Proc. Wash. Acad. Sci. 2: 231, 20 Aug 1900a.

= *Tupaia glis* (Diard, 1820). See Lyon (1913:48). Subspecies of *T. glis* not recognized by Helgen (2005:106).

Holotype: USNM 101747. Skin and skull. Adult male. Collected 2 Oct 1899 by [MC: W. L. Abbott]. No original number.

Type Locality: Pulo (Pulau) Tioman, [Pahang, Malaysia].

Tupaia tephrrura G. S. Miller

Smithson. Misc. Collect. 45(1): 57, 6 Nov 1903a.

= *Tupaia glis* (Diard, 1820). See Chasen (1940:3). Subspecies of *T. glis* not recognized by Helgen (2005:106).

Holotype: USNM 121752. Skin and skull. Adult female. Collected 12 Feb 1903 by W. L. Abbott. Original number 2276.

Type Locality: Tana Bala (Pulau Tanahbala), Batu Islands (Kepulauan Batu), [Sumatera Utara], Sumatra, [Indonesia].

Urogale cylindrura Mearns

Proc. U.S. Natl. Mus. 28: 435, 13 May 1905.

= *Tupaia everetti* Thomas, 1892. See Roberts et al. (2011:369).

Holotype: USNM 125287. Skin and skull. Adult male. Collected 12 Jul 1904 by E. A. Mearns. Original number 5727.

Type Locality: Mount Apo, at the Bagobo village of Todaya, altitude 4,000 ft (1,219 m), [Davao del Sur], southern Mindanao, Philippine Islands (Philippines).

ORDER DERMOPTERA ILLIGER, 1811

FAMILY CYNOCEPHALIDAE SIMPSON, 1945

Genus *Galeopterus* Thomas, 1908

Subspecies were not recognized by Stafford (2005:110).

Galeopithecus aoris G. S. Miller

Smithson. Misc. Collect. 45(1): 47, 6 Nov 1903a.

= *Galeopterus variegatus* (Audebert, 1799). See Chasen and Kloss (1929:20).

Holotype: USNM 112428. Skin and skull. Adult female. Collected 8 Jun 1901 by W. L. Abbott. Original number 1028.

Type Locality: Pulo Aor (Pulau Aur), off Coast of Johore (Johor), [Malaysia].

Galeopithecus gracilis G. S. Miller

Smithson. Misc. Collect. 45(1): 49, 6 Nov 1903a.
 = *Galeopterus variegatus* (Audebert, 1799). See Chasen (1935:24).
 Holotype: USNM 104601. Skin and skull. Adult female. Collected 7 Jun 1900 by W. L. Abbott. Original number 461.
 Type Locality: Sirhassen Island (Pulau Serasan), South Natunas (Kepulauan Natuna Selatan), [Kepulauan Riau, Indonesia].

Galeopithecus natunae G. S. Miller

Smithson. Misc. Collect. 45(1): 50, 6 Nov 1903a.
 = *Galeopterus variegatus* (Audebert, 1799). See Chasen and Kloss (1928a:39).
 Holotype: USNM 104602. Skin and skull. Adult female. Collected 16 Jul 1900 by W. L. Abbott. Original number 573.
 Type Locality: Bunguran (Pulau Natuna Besar), North Natunas (Kepulauan Natuna Besar), [Kepulauan Riau, Indonesia].

Galeopithecus pumilus G. S. Miller

Smithson. Misc. Collect. 45(1): 46, 6 Nov 1903a.
 = *Galeopterus variegatus* (Audebert, 1799). See Chasen and Kloss (1929:20).
 Holotype: USNM 104448. Skin and skull. Adult male. Collected 17 Dec 1899 by W. L. Abbott. Original number 165.
 Type Locality: Pulo (Ko) Adang, Butang Islands (Batang Group), [Satun, Thailand].

Galeopithecus saturatus G. S. Miller

Smithson. Misc. Collect. 45(1): 51, 6 Nov 1903a.
 = *Galeopterus variegatus* (Audebert, 1799). See Chasen (1940:20).
 Holotype: USNM 121750. Skin and skull. Adult female. Collected 12 Feb 1903 by W. L. Abbott. Original number 2278.
 Type Locality: Tana Bala (Pulau Tanahbala), Batu Islands (Kepulauan Batu), [Sumatera Utara], Sumatra, [Indonesia].

Galeopithecus tuancus G. S. Miller

Smithson. Misc. Collect. 45(1): 53, 6 Nov 1903a.
 = *Galeopterus variegatus* (Audebert, 1799). See Chasen (1940:20).
 Holotype: USNM 114375. Skin and skull. Adult female. Collected 22 Jan 1902 by W. L. Abbott. Original number 1454.
 Type Locality: Pulo Tuanku (Pulau Tuangku), Banjak Islands (Kepulauan Banyak), [Aceh], Sumatra, [Indonesia].

Galeopterus abbotti Lyon

Proc. U.S. Natl. Mus. 40: 126, 25 Apr 1911b.
 = *Galeopterus variegatus* (Audebert, 1799). See Chasen (1940:21).
 Holotype: USNM 145577. Skin and skull. Adult female. Collected 16 May 1907 by W. L. Abbott. Original number 5231.
 Type Locality: Pulo (Pulau) Penebangan, [Kalimantan Barat], off west coast of Borneo (Kalimantan), [Indonesia].

Galeopterus borneanus Lyon

Proc. U.S. Natl. Mus. 40: 124, 25 Apr 1911b.
 = *Galeopterus variegatus* (Audebert, 1799). See Chasen and Kloss (1929:18).

Holotype: USNM 151888. Skin, skull, [and skeleton]. Adult female. Collected 30 Jan 1908 by W. L. Abbott. Original number 5775.

Type Locality: Tjantung, [FC: upper river of that name (Sungai Cantung), 8 mi (13 km) from Klumpang Bay (Teluk Klumpang)], [Kalimantan Selatan], southeastern Borneo (Kalimantan), [Indonesia].

Galeopterus chombolis Lyon

Proc. U.S. Natl. Mus. 36: 486, 1 Jun 1909a.
 = *Galeopterus variegatus* (Audebert, 1799). See Chasen and Kloss (1929:19).
 Holotype: USNM 144375. Skin and skull. Adult female. Collected 3 Mar 1907 by W. L. Abbott. Original number 5091.
 Type Locality: Pulo Jombol (Pulau Combol), Rhio-Linga Archipelago (Kepulauan Riau), [Kepulauan Riau, Sumatra, Indonesia].

Galeopterus lautensis Lyon

Proc. U.S. Natl. Mus. 40: 125, 25 Apr 1911b.
 = *Galeopterus variegatus* (Audebert, 1799). See Chasen (1940:21).
 Holotype: USNM 151886. Skin, skull, [and skeleton]. Adult female. Collected 23 Dec 1907 by [MC: W. L. Abbott]. Original number 5679.
 Type Locality: [FC: Sungei (Sungai) Lima], Pulo (Pulau) Laut, [Kalimantan Selatan], off southeastern Borneo (Kalimantan), [Indonesia].

ORDER PRIMATES LINNAEUS, 1758**FAMILY LORISIDAE GRAY, 1821****Genus *Nycticebus* E. Geoffroy, 1812***Nycticebus bancanus* Lyon

Proc. U.S. Natl. Mus. 31: 536, 9 Nov 1906c.
 See Munds et al. (2013:46) for current use.
 Holotype: USNM 124907. Skin and skull. Adult female. Collected 24 Jun 1904 by W. L. Abbott. Original number 3432.
 Type Locality: [FC: West side] Klabat Bay (Teluk Klabat), island of Banka (Pulau Bangka), [Kepulauan Bangka Belitung], east of Sumatra, [Indonesia].

Nycticebus borneanus Lyon

Proc. U.S. Natl. Mus. 31: 535, 9 Nov 1906c.
 See Munds et al. (2013:46) for current use.
 Holotype: USNM 142234. Skin and skull. Adult male. Collected 15 Aug 1905 by W. L. Abbott. Original number 4322.
 Type Locality: Along the Sakaïam River (Sungai Sekayam), a tributary of the Kapuas River (Sungai Kapuas), [Kalimantan Barat], western Borneo (Kalimantan), [Indonesia].

Nycticebus coucang brachycephalus Sody

Treubia 20: 145, 21 Dec 1949.

= *Nycticebus coucang coucang* (Boddaert, 1785). See Groves (1971:51).

Holotype: USNM 144328. [Skin and skull]. Adult female. Collected [SL: 15 Jan 1907 by W. L.] Abbott. Original number [SL: 4989].

Type Locality: Pulo Tebing Tinggi (Pulau Rantau), [Riau], east of Sumatra, [Indonesia].

Remarks: Sody (1949:145) did not give a specimen number for the type, but he gave all of the locality data given above that is not in brackets, and stated that this was the *Nycticebus malaianus* of Lyon (1908:669), in which Lyon also did not give a specimen number but referred a single specimen to *Nycticebus malaianus* and gave the locality as in the type description. USNM 144328 is the only specimen of *Nycticebus* collected by Abbott in the collection from this locality and therefore is the holotype by monotypy (ICZN, 1999: Article 73.1.2).

***Nycticebus coucang natunae* Stone and Rehn**

Proc. Acad. Nat. Sci. Phila. 54: 140, 4 Jun 1902.

= *Nycticebus coucang coucang* (Boddaert, 1785). See Groves (1971:51).

Holotype: USNM 104599. [Skin and skull]. [Lyon and Osgood (1909:282): Adult] male. Collected 28 Jul 1900 by W. L. Abbott. Original number [SL: 602].

Type Locality: Bunguran (Pulau Natuna Besar), Natuna Islands (Kepulauan Natuna Besar), [Kepulauan Riau, Indonesia].

FAMILY GALAGIDAE GRAY, 1825

Genus *Galago* E. Geoffroy, 1796

***Galago moholi cocos* Heller**

Smithson. Misc. Collect. 60(12): 1, 4 Nov 1912a.

= *Galago cocos* Heller, 1912. See Elliot (1913:257). See Butynski et al. (2006:21) for current use of *cocos* as a species.

Holotype: USNM 181810. [Skin and skull]. Adult male. Collected 16 Dec 1911 by E. Heller. Original number 4870.

Type Locality: Mazeras, [Coast Province], British East Africa (Kenya).

***Galago sotikae* Hollister**

Smithson. Misc. Collect. 72(2): 1, 22 Jan 1920.

= *Galago senegalensis sotikae* Hollister, 1920. See Schwarz (1931:55).

Holotype: USNM 142234. Skin and skull. Adult male. Collected 22 May 1911 by E. Heller. Original number 1830.

Type Locality: Telek River, Sotik, [Rift Valley], British East Africa (Kenya).

FAMILY Tarsiidae GRAY, 1825

Genus *Carlito* Groves and Shekelle, 2010

***Tarsius fraterculus* G. S. Miller**

Proc. U.S. Natl. Mus. 38: 404, 19 Aug 1910.

= *Carlito syrichta fraterculus* (G. S. Miller, 1910). See Groves and Shekelle (2010:1074).

Holotype: USNM 239250. Skin, skull, and skeleton. Adult female. Collected 9 Apr 1906 by A. Celestino and M. Canton. Original number Philippine Bureau of Science 94.

Type Locality: Sevilla, [Bohol Province], Bohol [Island], [Philippines].

Remarks: The holotype was published as Philippine Bureau of Science number 94. It was cataloged as USNM 239250 on 12 Feb 1923.

Genus *Cephalopachus* Swainson, 1835

***Tarsius borneanus* Elliot**

Bull. Am. Mus. Nat. Hist. 28: 153, 27 May 1910a.

= *Cephalopachus bancanus borneanus* (Elliot, 1910). See Groves and Shekelle (2010:1074).

Holotype: USNM 142242. [Skin and skull with carcass and brain in alcohol]. [Poole and Schantz (1942:252): Young adult] [SL: female]. Collected [SL: 10 Jul 1905 by W. L. Abbott. Original number 4259].

Type Locality: [FC: Batu Ampar], Landak River (Sungai Landak), [Kalimantan Barat], Borneo (Kalimantan), [Indonesia].

***Tarsius saltator* Elliot**

Bull. Am. Mus. Nat. Hist. 28: 152, 27 May 1910a.

= *Cephalopachus bancanus saltator* (Elliot, 1910). See Groves and Shekelle (2010:1074).

Holotype: USNM 124992. [Skin and skull with carcass and brain in alcohol]. Adult female. Collected [SL: 7 Aug 1904 by W. L. Abbott. Original number 3544].

Type Locality: [SL: Buding] [FC: Kampong], Billiton Island (Pulau Belitung), [Kepulauan Bangka Belitung, Sumatra, Indonesia].

Genus *Tarsius* Storr, 1780

***Tarsius fuscus dentatus* Miller and Hollister**

Proc. Biol. Soc. Wash. 34: 103, 30 Jun 1921.

= *Tarsius dentatus* Miller and Hollister, 1921. See Groves (2005:127).

Holotype: USNM 218071. Skin and skull. Adult male. Collected 15 Nov 1916 by H. C. Raven. Original number 2956.

Type Locality: Laboea Sore (Labuasore), north of Parigi, [Sulawesi Tengah], Celebes (Sulawesi), [Indonesia].

***Tarsius pumilus* Miller and Hollister**

Proc. Biol. Soc. Wash. 34: 103, 30 Jun 1921.

Holotype: USNM 219454. Skin and skull. Adult female. Collected 31 Dec 1917 by H. C. Raven. Original number 3366.

Type Locality: Rano Rano (Ranorano), [Sulawesi Tengah], Middle Celebes (Sulawesi), [Indonesia].

FAMILY CEBIDAE BONAPARTE, 1831**Genus *Cebus* Erxleben, 1777***Cebus albifrons cesarae* Hershkovitz

Proc. U.S. Natl. Mus. 98: 356, 10 May 1949.

See Ruiz-Garcia et al. (2010:1054) for current use.

Holotype: USNM 281588. [Skin and skull]. Old adult male. Collected 24 Aug 1942 by P. Hershkovitz. Original number 525.

Type Locality: Rio Guaimaral, a channel of the Rio Cesar, altitude 140 m, [SL: Valledupar District], Magdalena (El Cesar) Department, Colombia.

Remarks: Magdalena is still a Department, but the specimen was collected in El Cesar.

Cebus albifrons pleei Hershkovitz

Proc. U.S. Natl. Mus. 98: 360, 10 May 1949.

See Ruiz-Garcia et al. (2010:1054) for current use.

Holotype: USNM 281624. Skin and skull. Male. Collected 29 May 1943 by P. Hershkovitz. Original number 2029.

Type Locality: Swamplands of western bank of Rio Magdalena near village of Norosi at base of northern extremity of Cordillera Central, altitude approximately 50 m, Mompos, department of Bolivar, Colombia.

Cebus capucinus limitaneus Hollister

Proc. Biol. Soc. Wash. 27: 105, 11 May 1914a.

= *Cebus capucinus* (Linnaeus, 1758). Subspecies not recognized by Groves (2005:137).

Holotype: USNM 16084/22845. Skin and skull. Adult male. Collected in 1887 by C. H. Townsend. No original number.

Type Locality: Segovia River (Rio Coco), eastern Honduras. Restricted by Hershkovitz (1949:347) to: Cabo Gracias a Dios at mouth of the Rio Segovia, eastern border between Honduras and Nicaragua.

Genus *Saguinas* Hoffmannsegg, 1807*Midas elegantulus* Slack

Proc. Acad. Nat. Sci. Phila. 13: 463, ordered printed 31 Dec 1861. Receipt acknowledged 31 Mar 1862 by the Boston Society of Natural History.

= *Saguinas labiatus labiatus* E. Geoffroy, 1812. See Groves (2001:144).

Holotype: USNM 5132/37870. Skin [and skull]. Collected on unknown date by W. L. Herndon. [MC: Skin probably cataloged on 18 Nov 1861; skull on 12 Mar 1900]. No original number.

Type Locality: Amazon River and its tributaries, [Brazil?].

Remarks: The holotype was not designated by number in the original publication. Slack (1862:463) implied that he had only one specimen and that it belonged to the Smithsonian Institution. The specimen listed above is the only one in the collection bearing the data given in the original publication and is therefore the holotype by monotypy (ICZN 1999: Article 73.1.2).

Genus *Sapajus* Kerr, 1792*Cebus margaritae* Hollister

Proc. Biol. Soc. Wash. 27: 105, 11 May 1914a.

= *Sapajus apaella margaritae* (Hollister, 1914). New name combination. See Lynch Alfaro et al. (2012:272) for use of *Sapajus*.

Holotype: USNM 63219. Skin and skull. Old adult female. Collected 13 Jul 1895 by W. Robinson. Original number 520.

Type Locality: Margarita Island (Isla Margarita), [Nueva Esparta], Venezuela.

FAMILY AOTIDAE ELLIOT, 1913**Genus *Aotus* Illiger, 1811***Aotus zonalis* Goldman

Smithson. Misc. Collect. 63(5): 6, 14 Mar 1914a.

See Defler and Bueno (2007:55) for current use.

Holotype: USNM 171231. Skin and skull. Adult female. Collected 29 Apr 1911 by E. A. Goldman. Original number [FC: Nelson and Goldman] 21101.

Type Locality: Gatun, altitude 100 ft (30 m), Canal Zone (Colon), Panama.

FAMILY ATELIDAE GRAY, 1825**Genus *Alouatta* Lacepede, 1799***Alouatta palliata inconsonans* Goldman

Smithson. Misc. Collect. 60(22): 17, 28 Feb 1913.

= *Alouatta palliata* (Gray, 1849). See Groves (2001:179).

Holotype: USNM 171068. [Skin and skull]. Adult male. Collected 23 Mar 1911 by E. A. Goldman. Original number [FC: Nelson and Goldman] 20995.

Type Locality: Cerro Azul, altitude 2,500 ft (762 m), near headwaters of the Chagres River, [Panama], Panama.

Alouatta palliata mexicana Merriam

Proc. Biol. Soc. Wash. 15: 67, 22 Mar 1902a.

= *Alouatta palliata* (Gray, 1849). See Groves (2001:179).

Holotype: USNM 79398. [Skin and skull]. Adult male. Collected 23 Apr 1896 by E. W. Nelson and E. A. Goldman. Original number 9551.

Type Locality: Minatitlan, [FC: altitude 100 ft (30 m)], Vera Cruz (Veracruz), Mexico.

Genus *Ateles* E. Geoffroy, 1806*Ateles dariensis* Goldman

Proc. Biol. Soc. Wash. 28: 101, 13 Apr 1915a.

= *Ateles fuscipes rufiventris* Sclater, 1872. See Groves (2001:188).

Holotype: USNM 179044. [Skin and skull]. Adult female. Collected 29 Apr 1912 by E. A. Goldman. Original number 21664.

Type Locality: Near head of Rio Limon, altitude 5,200 ft (1,585 m), Mount Pirri (Cerro Pirre), [Darien], eastern Panama.

Ateles geoffroyi panamensis Kellogg and Goldman

Proc. U.S. Natl. Mus. 96: 40, 2 Nov 1944.

= *Ateles geoffroyi ornatus* Gray, 1870. See Groves (2001:189).

Holotype: USNM 171489. Skin and skull. Adult female. Collected 8 Jun 1911 by E. A. Goldman. Original number [FC: Nelson and Goldman] 21165.

Type Locality: Cerro Bruja, about 15 mi (24 km) southeast of Portobello, altitude 2,000 ft (610 m), Province of Colon, Panama.

Ateles geoffroyi yucatanensis Kellogg and Goldman

Proc. U.S. Natl. Mus. 96: 35, 2 Nov 1944.

Holotype: USNM 108531. Skin and skull. Adult male. Collected 2 Apr 1901 by E. W. Nelson and E. A. Goldman. Original number 14652.

Type Locality: Puerto Morelos, altitude 100 ft (30 m), northeast coast of Quintana Roo, [Mexico].

Ateles tricolor Hollister

Proc. Biol. Soc. Wash. 27: 141, 10 Jul 1914c.

= *Ateles geoffroyi vellerosus* Gray, 1866. See Groves (2001:189).

Holotype: USNM 9427/8972. Skin and skull. Adult female. Collected 14 Jan 1869 by F. Sumichrast. Original number 42.

Type Locality: Santa Efigenia, [Kellogg and Goldman (1944:33): 8 mi (13 km) north of Tapanatepec (San Pedro Tapanatepec)], Oaxaca, Mexico.

FAMILY CERCOPITHECIDAE GRAY, 1821**Genus *Cercopithecus* Linnaeus, 1758***Lasiopyga albogularis kima* Heller

Smithson. Misc. Collect. 61(17): 9, 21 Oct 1913a.

= *Cercopithecus albogularis kibonotensis* Lonnberg, 1908. See Dandelot (1974:20).

Holotype: USNM 182242. [Skin and skull]. Adult male. Collected 6 Nov 1911 by E. Heller. Original number 2555.

Type Locality: Mount Mbololo, Taita District, [Coast Province], British East Africa (Kenya).

Lasiopyga albogularis maritima Heller

Smithson. Misc. Collect. 61(17): 8, 21 Oct 1913a.

= *Cercopithecus albogularis kibonotensis* Lonnberg, 1908. See Dandelot (1974:20).

Holotype: USNM 182272. [Skin and skull]. Adult female. Collected 17 Dec 1911 by E. Heller. Original number 2585.

Type Locality: Mazeras, [Coast Province], British East Africa (Kenya).

Lasiopyga ascanius kaimosae Heller

Smithson. Misc. Collect. 61(17): 10, 21 Oct 1913a.

= *Cercopithecus ascanius schmidtii* Matschie, 1892. See Dandelot (1974:22).

Holotype: USNM 182371. [Skin and skull]. Adult male. Collected 10 Feb 1912 by E. Heller. Original number 2692.

Type Locality: Upper Lukosa River, near the mission station of Kaimosi, [Rift Valley], British East Africa (Kenya).

Lasiopyga leucampax [sic.] *mauae* Heller

Smithson. Misc. Collect. 61(17): 7, 21 Oct 1913a.

= *Cercopithecus mitis stuhlmanni* Matschie, 1893. See Dandelot (1974:19).

Holotype: USNM 173002. [Skin and skull]. Adult male. Collected 1 Nov 1910 by J. J. White. No original number.

Type Locality: Summit of Mau Escarpment, [SL: wagon road] between Londiana (Londiani) and Sirgoit, [Rift Valley], British East Africa (Kenya).

Genus *Chlorocebus* Gray, 1870*Cercopithecus centralis luteus* Elliot

Smithson. Misc. Collect. 56(7): 1, 11 Jun 1910b.

= *Chlorocebus pygerythrus hilgerti* (Neumann, 1902). See Groves (2001:202).

Holotype: USNM 163086. [Skin and skull]. [SL: Female]. Collected [SL: 12 Sep] [FC: 1909] by [SL: J. A. Loring]. Original number 7190.

Type Locality: Wambugu, [FC: altitude 5,300 ft (1,615 m)], southwest of Mount Kenia (Kenya), [Central Province], British East Africa (Kenya).

Lasiopyga pygerythra arenaria Heller

Smithson. Misc. Collect. 61(17): 11, 21 Oct 1913a.

= *Chlorocebus pygerythrus hilgerti* (Neumann, 1902). See Groves (2001:202).

Holotype: USNM 182201. [Skin and skull]. Adult male. Collected 25 Jul 1911 by E. Heller. Original number 387.

Type Locality: Merille waterholes, Marsabit road, [North Eastern Province], British East Africa (Kenya).

Lasiopyga pygerythra callida Hollister

Smithson. Misc. Collect. 59(3): 1, 2 Mar 1912a.

= *Chlorocebus pygerythrus hilgerti* (Neumann, 1902). See Groves (2001:202).

Holotype: USNM 162843. Skin, skull, [and appendicular skeleton]. Adult male. Collected 21 Jul 1909 by E. A. Mearns. Original number 6859.

Type Locality: South side of Lake Naivasha, [Rift Valley], British East Africa (Kenya).

Lasiopyga pygerythra contigua Hollister

Smithson. Misc. Collect. 72(2): 2, 22 Jan 1920.

= *Chlorocebus pygerythrus hilgerti* (Neumann, 1902). See Groves (2001:202).

Holotype: USNM 163327. Skin and skull. Adult male. Collected 30 Nov 1909 by E. A. Mearns. Original number 7321.

Type Locality: Changamwe, 6 mi (10 km) inland from Mom-basa, [Coast Province], British East Africa (Kenya).

Lasiopyga pygerythra tumbili Heller

Smithson. Misc. Collect. 61(17): 10, 21 Oct 1913a.

= *Chlorocebus pygerythrus hilgerti* (Neumann, 1902). See Groves (2001:202).

Holotype: USNM 182229. [Skin and skull]. Adult male. Collected 1 Nov 1911 by E. Heller. Original number 2542.
Type Locality: Ndi, Taita District, [Coast Province], British East Africa (Kenya).

Genus *Colobus* Illiger, 1811

Colobus abyssinicus percivali Heller

Smithson. Misc. Collect. 61(17): 6, 21 Oct 1913a.
= *Colobus guereza percivali* Heller, 1913. See Napier and Napier (1967:353).

Holotype: USNM 182138. [Skin and skull]. Adult male. Collected 22 Aug 1911 by E. Heller. Original number 2447.
Type Locality: [MC: North slope] Mount Uaragess (Warges), [MC: altitude 6,000 ft (1,829 m)], [Rift Valley], British East Africa (Kenya).

Colobus abyssinicus roosevelti Heller

Smithson. Misc. Collect. 61(17): 5, 21 Oct 1913a.
= *Colobus guereza matschiei* Neumann, 1899. See Dandelot (1974:31).

Holotype: USNM 163261. [Skin and skull]. Adult male. Collected 6 Dec 1909 by T. Roosevelt. Original number E. Heller 543, not 513 as in original description.
Type Locality: Mau forest, near Enjoro (Njoro), [Rift Valley], British East Africa (Kenya).

Colobus abyssinicus terrestris Heller

Smithson. Misc. Collect. 61(17): 7, 21 Oct 1913a.
= *Colobus guereza occidentalis* (Rochebrune, 1887). See Dandelot (1974:31).

Holotype: USNM 164756. [Skin, skull, and limb bones]. Adult female. Collected 20 Jan 1910 by K. Roosevelt. Original number E. Heller 623.
Type Locality: Rhino Camp, Lado Enclave, [Arua, Uganda].

Genus *Erythrocebus* Trouessart, 1897

Erythrocebus whitei Hollister

Smithson. Misc. Collect. 56(2): 11, 31 Mar 1910.
= *Erythrocebus patas* (Schreber, 1775). See Groves (2001:199).
Holotype: USNM 155440. Skin and skull. Adult male. Collected 30 Sep 1908 by J. J. White. No original number.
Type Locality: Nzoia River, Guas Ngishu Plateau, [Western Province], British East Africa (Kenya).

Genus *Macaca* Lacepede, 1799

Cynomolgus cagayanus Mearns

Proc. U.S. Natl. Mus. 28: 431, 13 May 1905.
= *Macaca fascicularis fascicularis* (Raffles, 1821). See Fooden (1991:22).
Holotype: USNM 125325. Skin and skull. Adult male. Collected 25 Feb 1904 by E. A. Mearns. Original number 5771.

Type Locality: Cagayan Sulu Island, Sulu Sea, near Borneo, [Tawi Tawi Province], [SL: P. I.] (Philippines).

Cynomolgus mindanensis Mearns

Proc. U.S. Natl. Mus. 28: 428, 13 May 1905.
= *Macaca fascicularis philippensis* (I. Geoffroy, 1843). See Groves (2001:228).
Holotype: USNM 123450. Skin and skull. Adult male. Collected 26 Aug 1903 by E. A. Mearns. Original number 5620.
Type Locality: Pantar, altitude 1,900 ft (575 m), Mindanao, Philippine Islands (Philippines).

Cynomolgus mindanensis apoensis Mearns

Proc. U.S. Natl. Mus. 28: 429, 13 May 1905.
= *Macaca fascicularis philippensis* (I. Geoffroy, 1843). See Groves (2001:228).
Holotype: USNM 125321. Skin and skull. Adult female. Collected 25 Jun 1904 by E. A. Mearns. Original number 5670.
Type Locality: Mount Apo, altitude 6,000 ft (1,829 m), southern Mindanao, Philippine Islands (Philippines).

Cynomolgus suluensis Mearns

Proc. U.S. Natl. Mus. 28: 430, 13 May 1905.
= *Macaca fascicularis fascicularis* (Raffles, 1821). See Fooden (1995:72).
Holotype: USNM 125324. Skull without skin. Adult male. Collected 16 Nov 1903 by E. A. Mearns. Original number 5750.
Type Locality: [SL and FC: Near the] foot of Crater Lake Mountain, on the Island of Sulu (Jolo), [Sulu Province], Philippine Islands (Philippines).

Cynopithecus lembicus G. S. Miller

J. Mammal. 12: 413, 11 Nov 1931a.
= *Macaca nigra* (Desmarest, 1822). See Fooden (1969:71).
Holotype: USNM 217573. Skull only. Adult male. Collected 30 May 1916 by H. C. Raven. Original number 2471.
Type Locality: Pulo (Pulau) Lembeh, [Sulawesi Utara], north-eastern Celebes (Sulawesi), [Indonesia].

Macaca adusta G. S. Miller

Proc. U.S. Natl. Mus. 29: 559, 3 Feb 1906b.
= *Macaca leonina* (Blyth, 1863). See Groves (2001:223).
Holotype: USNM 124023. Skin and skull. Adult male. Collected 22 Dec 1903 by W. L. Abbott. Original number 2929.
Type Locality: Champang, [FC: about 15 mi (24 km) north of Victoria Point], Tenasserim (Tanintharyi), [Burma].

Macaca broca G. S. Miller

Proc. U.S. Natl. Mus. 29: 558, 3 Feb 1906b.
= *Macaca nemistrina* Linnaeus, 1766. See Chasen (1940:65).
Holotype: USNM 19211/34930. Skin and skull. Adult male. Collected 21 Nov 1887 by C. F. Adams. Original number [MC: AA 111].

Type Locality: At Sapagaya River (Sungai Sapagaya), [Sabah], northeast Borneo, [Malaysia].

***Macaca insulana* G. S. Miller**

Proc. U.S. Natl. Mus. 29: 560, 3 Feb 1906b.

= *Macaca leonina* (Blyth, 1863). See Groves (2001:223).

Holotype: USNM 104441. Skin and skull. Adult male. Collected 1 Jan 1900 by W. L. Abbott. Original number 199.

Type Locality: Chance Island, Mergui Archipelago, [Tanintharyi, Burma].

***Macaca irus atriceps* Kloss**

J. Nat. Hist. Soc. Siam 3: 347, 31 Dec 1919.

= *Macaca fascicularis atriceps* Kloss, 1919. See Napier and Napier (1967:349).

Holotype: USNM 236622. Skin and skull. Adult male. Collected 30 Oct 1916 by C. B. Kloss. Original number 2283.

Type Locality: Koh Kram Island (Ko Khram), near Cape Liant, [Chon Buri], [SL: Inner Gulf of Siam], southeast Siam (Thailand).

Remarks: The holotype was published as CBK number 2283. It was cataloged as USNM 236622 on 17 Jul 1920.

***Macaca irus tua* Kellogg**

Proc. Biol. Soc. Wash. 57: 75, 31 Oct 1944.

= *Macaca fascicularis tua* Kellogg, 1944. See Napier and Napier (1967:349).

Holotype: USNM 197663. Skin and skull. Adult male. Collected 21 May 1913 by H. C. Raven. Original number 626.

Type Locality: Poelau Marathea (Pulau Maratua), an island off the east coast of Borneo (Kalimantan), [Kalimantan Timur, Indonesia].

***Macaca nemestrina indochinensis* Kloss**

J. Nat. Hist. Soc. Siam 3: 343, 31 Dec 1919.

= *Macaca leonina* (Blyth, 1863). See Groves (2001:223).

Holotype: USNM 236628. Skin and skull. Adult male. Collected 12 Oct 1916 by C. B. Kloss. Original number 2148.

Type Locality: Lat Bua Kao (Lat Bua Khao), [Nakhon Ratchasima], east Siam (Thailand).

Remarks: The holotype was published as CBK number 2148. It was cataloged as USNM 236628 on 19 Jul 1920.

***Macacus fuscus* G. S. Miller**

Proc. U.S. Natl. Mus. 26: 476, 3 Feb 1903b.

= *Macaca fascicularis fusca* (G. S. Miller, 1903). See Fooden (1995:81).

Holotype: USNM 114164. Skin and skull. Old male. Collected 20 Nov 1901 by W. L. Abbott. Original number 1348.

Type Locality: Simalur Island (Pulau Simeulue), [Aceh], northwestern Sumatra, [Indonesia].

***Macacus pagensis* G. S. Miller**

Smithson. Misc. Collect. 45(1): 61, 6 Nov 1903a.

= *Macaca pagensis* (G. S. Miller, 1903). See G. S. Miller (1906b:557). Holotype: USNM 121653. Skin and skull. Adult female. Collected 17 Nov 1902 by W. L. Abbott. Original number 2053.

Type Locality: South Pagi Island (Pulau Pagai Selatan), [Sumatera Barat], Sumatra, [Indonesia].

***Macacus phaeura* G. S. Miller**

Smithson. Misc. Collect. 45(1): 63, 6 Nov 1903a.

= *Macaca fascicularis fascicularis* (Raffles, 1821). See Fooden (1995:72).

Holotype: USNM 121870. Skin and skull. Adult male. Collected 20 Mar 1903 by W. L. Abbott. Original number 2399.

Type Locality: Siaba Bay (Teluk Siaba), Nias Island (Pulau Nias), [Sumatera Utara], Sumatra, [Indonesia].

***Macacus pumilus* G. S. Miller**

Proc. Wash. Acad. Sci. 2: 241, 20 Aug 1900a.

= *Macaca fascicularis fascicularis* (Raffles, 1821). See Fooden (1995:71).

Holotype: USNM 101639. Skin and skull. Old adult male. Collected 6 Aug 1899 by [MC: W. L. Abbott]. No original number.

Type Locality: Pulo Bunoa (Pulau Benua), Tambelan Islands (Kepulauan Tambelan), [Kepulauan Riau, Indonesia].

***Macacus rhesus villosus* True**

Proc. U.S. Natl. Mus. 17: 2, 8 May 1894a.

= *Macaca mulatta* (Zimmermann, 1780). See Pocock (1932:539). Holotype: USNM 20120/35485. Skin and skull. Adult male.

Collected 8 Sep 1891 by W. L. Abbott. Original number [MC: 4].

Type Locality: Lolab, altitude 7,500 ft (2,286 m), in the Vale of Kashmir [Jammu and Kashmir, India].

***Macacus umbrosus* G. S. Miller**

Proc. U.S. Natl. Mus. 24: 789, 29 May 1902a.

= *Macaca fascicularis umbrosa* (G. S. Miller, 1902). See Fooden (1995:80).

Holotype: USNM 111795. Skin and skull. Adult male. Collected 25 Feb 1901 by W. L. Abbott. Original number 888.

Type Locality: Little Nicobar Island, Nicobars, [Andaman and Nicobar Islands, India].

***Pithecus agnatus* Elliot**

Proc. U.S. Natl. Mus. 38: 344, 6 Aug 1910c.

= *Macaca fascicularis fascicularis* (Raffles, 1821). See Fooden (1995:73).

Holotype: USNM 114409. [Skin and skull]. [Poole and Schantz (1942:241): Adult male]. Collected [SL: 26 Jan 1902 by W. L. Abbott. Original number 1471].

Type Locality: Pulo (Pulau) Tuangku, Banjak Islands (Kepulauan Banyak), [Aceh, Sumatra, Indonesia].

***Pithecus baweanus* Elliot**

Proc. U.S. Natl. Mus. 38: 347, 6 Aug 1910c.

= *Macaca fascicularis fascicularis* (Raffles, 1821). See Fooden (1995:74).

Holotype: USNM 151829. [Skin and skull]. [Poole and Schantz (1942:241): Adult male]. Collected [SL: 24 Nov 1907 by W. L. Abbott. Original number 5565].

Type Locality: Bawean Island (Pulau Bawean), Java Sea, [Jawa Timur, Java, Indonesia].

***Pithecus capitalis* Elliot**

Proc. U.S. Natl. Mus. 38: 350, 6 Aug 1910c.

= *Macaca fascicularis fascicularis* (Raffles, 1821). See Fooden (1995:75).

Holotype: USNM 83271. [Skin and skull]. [Poole and Schantz (1942:241): Adult] [SL: male]. Collected [SL: 7 Mar 1896 by W. L. Abbott. Original number 105].

Type Locality: [MC: Prahmon], Trong (Trang), Lower Siam (Thailand).

***Pithecus carinatae* Elliot**

Proc. U.S. Natl. Mus. 38: 346, 6 Aug 1910c.

= *Macaca fascicularis fascicularis* (Raffles, 1821). See Medway (1965:84).

Holotype: USNM 125101. [Skin and skull]. [Poole and Schantz (1942:242): Adult] [SL: male]. Collected [SL: 24 Aug 1904 by W. L. Abbott. Original number 3646].

Type Locality: Telok Pai, Karimata Islands (Kepulauan Karimata), [Kalimantan Barat, Borneo (Kalimantan), Indonesia].

***Pithecus cupidus* Elliot**

Proc. U.S. Natl. Mus. 38: 348, 6 Aug 1910c.

= *Macaca fascicularis fascicularis* (Raffles, 1821). See Fooden (1995:74).

Holotype: USNM 151831. [Skin and skull]. [Poole and Schantz (1942:242): Adult] [SL: male]. Collected [SL: 8 Dec 1907 by W. L. Abbott. Original number 5584].

Type Locality: Pulo Mata Siri (Pulau Matasiri), 44 mi (71 km) from Pulo (Pulau) Laut, Java Sea, [Kalimantan Selatan, Borneo (Kalimantan), Indonesia].

***Pithecus fuscus lasiae* Lyon**

Proc. U.S. Natl. Mus. 52: 453, 30 Dec 1916.

= *Macaca fascicularis lasiae* (Lyon, 1916). See Fooden (1995:81).

Holotype: USNM 114248. Skin and skull. Adult male. Collected 5 Jan 1902 by W. L. Abbott. Original number 1398.

Type Locality: Pulo (Pulau) Lasia, [FC: 14 mi (23 km) SE of Simalur Island (Pulau Simeulue)], [Aceh, Sumatra, Indonesia].

***Pithecus impudens* Elliot**

Proc. U.S. Natl. Mus. 38: 350, 6 Aug 1910c.

= *Macaca fascicularis fascicularis* (Raffles, 1821). See Napier (1981:13).

Holotype: USNM 115675. [Skin and skull]. [Poole and Schantz (1942:242): Adult] [SL: male]. Collected [SL: 24 Aug 1902 by W. L. Abbott. Original number 1956].

Type Locality: Pulo (Pulau) Sugi, Rhio Archipelago (Kepulauan Riau), [Kepulauan Riau, Sumatra, Indonesia].

***Pithecus lapsus* Elliot**

Proc. U.S. Natl. Mus. 38: 343, 6 Aug 1910c.

= *Macaca fascicularis fascicularis* (Raffles, 1821). See Fooden (1995:73).

Holotype: USNM 124863. [Skin and skull]. [Poole and Schantz (1942:243): Adult] [FC: male]. Collected [SL: 19 Jun 1904 by W. L. Abbott. Original number 3418].

Type Locality: [FC: Tanjung Pamuja, north coast of] Island of Banka (Pulau Bangka), [Kepulauan Bangka Belitung], east of southern Sumatra, [Indonesia].

***Pithecus lautensis* Elliot**

Proc. U.S. Natl. Mus. 38: 345, 6 Aug 1910c.

= *Macaca fascicularis fascicularis* (Raffles, 1821). See Fooden (1995:74).

Holotype: USNM 104854. [Skin and skull]. [Poole and Schantz (1942:243): Adult] [SL: male]. Collected [SL: 9 Aug 1900] by [MC: W. L. Abbott]. Original number [SL: 614].

Type Locality: Pulo (Pulau) Laut, Natuna Islands (Kepulauan Natuna Besar), [Kepulauan Riau, Indonesia].

***Pithecus lingae* Elliot**

Proc. U.S. Natl. Mus. 38: 349, 6 Aug 1910c.

= *Macaca fascicularis fascicularis* (Raffles, 1821). See Fooden (1995:75).

Holotype: USNM 101603. [Skin and skull]. [Poole and Schantz (1942:243): Adult] [SL: male]. Collected [SL: 23 Jul 1899] by [MC: W. L. Abbott]. No original number.

Type Locality: Linga Island (Pulau Lingga), Rhio Archipelago (Kepulauan Lingga), [Kepulauan Riau, Sumatra, Indonesia].

***Pithecus lungungensis* Elliot**

Proc. U.S. Natl. Mus. 38: 344, 6 Aug 1910c.

= *Macaca fascicularis fascicularis* (Raffles, 1821). See Fooden (1995:74).

Holotype: USNM 104853. [Skin and skull]. [Poole and Schantz (1942:243): Adult] [SL: male]. Collected [SL: 19 Jun 1900] by [MC: W. L. Abbott]. Original number [SL: 492].

Type Locality: Pulo (Pulau) Lungung, [SL and FC: near Bunguran (Pulau Natuna Besar)], Natuna Islands (Kepulauan Natuna Besar), [Kepulauan Riau, Indonesia].

***Pithecus mandibularis* Elliot**

Proc. U.S. Natl. Mus. 38: 347, 6 Aug 1910c.

= *Macaca fascicularis fascicularis* (Raffles, 1821). See Medway (1965:84).

Holotype: USNM 142225. [Skin and skull]. [Poole and Schantz (1942:244): Adult] [SL: male]. Collected [SL: 18 Jun 1905] by W. L. Abbott. Original number 4196].

Type Locality: Sungei Sama, near Pontianak, [Kalimantan Barat], Borneo (Kalimantan), [Indonesia].

***Pithecus mansalaris* Lyon**

Proc. U.S. Natl. Mus. 52: 452, 30 Dec 1916.

= *Macaca fascicularis fascicularis* (Raffles, 1821). See Napier (1981:13).

Holotype: USNM 114560. Skin and skull. Adult male. Collected 10 Mar 1902 by W. L. Abbott. Original number 1639.

Type Locality: Mansalar Island (Pulau Musala), [Sumatera Utara], [FC: west coast of Sumatra], [Indonesia].

***Pithecus mindorus* Hollister**

Proc. U.S. Natl. Mus. 46: 328, 31 Dec 1913a.

= *Macaca fascicularis philippensis* (I. Geoffroy, 1843). See Fooden (1991:23).

Holotype: USNM 144674. Skin and skull. Adult male. Collected Nov 1906 by E. A. Mearns. Original number 6301.

Type Locality: Alag River, [SL and FC: Camp No. 2], [Mindoro Oriental Province], Mindoro, [SL and FC: P. I. (Philippines)].

***Pithecus pullus* A. B. Howell**

Proc. Biol. Soc. Wash. 41: 41, 16 Mar 1928a.

= *Macaca thibetana esau* (Matschie, 1912). See Groves (2005:164).

Holotype: USNM 252157. Skin and skull. Young adult male. Collected on unknown date by F. T. Smith. Original number 85. [MC: Cataloged 1 Jul 1927].

Type Locality: Kuatun, Fukien (Fujian), China.

***Pithecus sirhassenensis* Elliot**

Proc. U.S. Natl. Mus. 38: 345, 6 Aug 1910c.

= *Macaca fascicularis fascicularis* (Raffles, 1821). See Fooden (1995:74).

Holotype: USNM 104852. [Skin and skull]. [Poole and Schantz (1942:245): Adult] [SL: male]. Collected [SL: 8 Jun 1900 by W. L. Abbott. Original number 468].

Type Locality: Sirhassen Island (Pulau Serasan), Natuna Islands (Kepulauan Natuna Selatan), [Kepulauan Riau, Indonesia].

***Pithecus vitis* Elliot**

Proc. U.S. Natl. Mus. 38: 346, 6 Aug 1910c.

= *Macaca fascicularis aurea* (E. Geoffroy, 1831). See Napier (1981:13).

Holotype: USNM 124176. [Skin and mandibles]. [Poole and Schantz (1942:246): Adult] [SL: male]. Collected [SL: 26 Jan 1904 by W. L. Abbott. Original number 3076].

Type Locality: Domel Island (Letsok-aw Kyun), Mergui Archipelago, [Tanintharyi, Burma].

Genus *Papio* Erxleben, 1777***Papio anubis lestes* Heller**

Smithson. Misc. Collect. 61(19): 10, 8 Nov 1913b.

= *Papio anubis* (Lesson, 1827). Subspecies not recognized by Groves (2005:166).

Holotype: USNM 164633. [Skin and skull]. Adult male. Collected 19 Nov 1909 by J. A. Loring. Original number 8234.

Type Locality: Ulukenia (Lukenya) Hills, Athi Plains, British East Africa (Kenya).

***Papio anubis vigilis* Heller**

Smithson. Misc. Collect. 61(19): 11, 8 Nov 1913b.

= *Papio anubis* (Lesson, 1827). Subspecies not recognized by Groves (2005:166).

Holotype: USNM 182033. [Skin and skull]. Old male. Collected 10 Jul 1911 by E. Heller. Original number 2337.

Type Locality: Lakiundu River, near its junction with the Northern Guaso Nyiro, British East Africa (Kenya).

Genus *Presbytis* Eschscholtz, 1821***Presbytis batuanus* G. S. Miller**

Smithson. Misc. Collect. 45(1): 65, 6 Nov 1903a.

= *Presbytis melalophos sumatrana* (Muller and Schlegel, 1841). See Groves (2001:276).

Holotype: USNM 121810. Skin and skull. Adult male. Collected 4 Mar 1903 by W. L. Abbott. Original number 2369.

Type Locality: Pulo Pinie (Pulau Pini), Batu Isalnds (Kepulauan Batu), [Sumatera Utara], Sumatra, [Indonesia].

***Presbytis rhionis* G. S. Miller**

Smithson. Misc. Collect. 45(1): 64, 6 Nov 1903a.

= *Presbytis siamensis rhionis* (G. S. Miller, 1903). See Groves (2001:280).

Holotype: USNM 115665. Skin and skull. Adult female. Collected 15 Aug 1902 by W. L. Abbott. Original number 1888.

Type Locality: Telok Pemudong, Pulo Bintang (Pulau Bintan), Rhio Archipelago (Kepulauan Riau), [Kepulauan Riau, Sumatra, Indonesia].

***Presbytis arwasca* G. S. Miller**

J. Mammal. 15: 126, 15 May 1934a.

= *Presbytis chrysomelas cruciger* (Thomas, 1892). See Groves (2001:278).

Holotype: USNM 83953. Skin and skull. Young adult male. Collected Aug 1894 by E. and C. Hose. No original number.

Type Locality: Miri, Sarawak, Borneo, [Malaysia].

***Presbytis australis* G. S. Miller**

Smithson. Misc. Collect. 61(21): 28, 29 Dec 1913b.

= *Presbytis femoralis femoralis* (Martin, 1838). See Pocock (1934:901).

Holotype: USNM 112709. Skin and skull. Adult male. Collected 31 Jul 1901 by W. L. Abbott. Original number 1196.

Type Locality: Jambu Luang, east coast of Johore (Johor), [Malaysia].

***Presbytis cana* G. S. Miller**

Proc. U.S. Natl. Mus. 31: 275, 11 Sep 1906c.

= *Presbytis siamensis cana* G. S. Miller, 1906. See Groves (2001:280).

Holotype: USNM 122915. Skin and skull. Adult male. Collected 28 Jun 1903 by W. L. Abbott. Original number 2558.

Type Locality: Pulo (Pulau) Kundur, Rhio Archipelago (Kepulauan Riau), [Kepulauan Riau, Sumatra, Indonesia].

***Presbytis canicrus* G. S. Miller**

Proc. Biol. Soc. Wash. 47: 15, 9 Feb 1934b.

= *Presbytis hosei canicrus* G. S. Miller, 1934. See Medway (1977:67).

Holotype: USNM 198282. Skin and skull. Young adult female. Collected 25 Nov 1913 by H. C. Raven. Original number 1137.

Type Locality: [FC: Gunung Batu], on the Karang River (Sungai Karang), [Kalimantan Timur], Dutch Northeast Borneo (Kalimantan), [Indonesia].

***Presbytis carinatae* G. S. Miller**

Proc. U.S. Natl. Mus. 31: 65, 23 Jul 1906a.

= *Presbytis rubicunda carinatae* G. S. Miller, 1906. See Medway (1965:82).

Holotype: USNM 125157. Skin, skull, [and brain in fluid]. Adult female. Collected [SL and FC: 2 Sep 1904], not 21 Aug as in original description, by W. L. Abbott. Original number [SL and FC: 3717], not 3627 as in original description.

Type Locality: Telok Edar, Karimata Island (Pulau Karimata), [Kalimantan Barat, Borneo (Kalimantan), Indonesia].

***Presbytis catemana* Lyon**

Proc. U.S. Natl. Mus. 34: 672, 14 Sep 1908.

= *Presbytis siamensis cana* G. S. Miller, 1906. See Groves (2001:280).

Holotype: USNM 123149. Skin, skull [and brain in fluid]. Adult female. Collected [SL and FC: 28 Aug 1903], not 23 as in original description, by W. L. Abbott. Original number 2762.

Type Locality: Along the Kateman River (Sungai Kateman), [Riau], eastern Sumatra, [Indonesia].

***Presbytis percura* Lyon**

Proc. U.S. Natl. Mus. 34: 671, 14 Sep 1908.

= *Presbytis femoralis percura* Lyon, 1908. See Wilson and Wilson (1977:220).

Holotype: USNM 144088. Skin and skull. Adult male. Collected 26 Feb 1907 by W. L. Abbott. Original number 5083.

Type Locality: Kompei, eastern Sumatra, [Indonesia].

***Pygathrix rubicunda rubida* Lyon**

Proc. U.S. Natl. Mus. 40: 139, 25 Apr 1911b.

= *Presbytis rubicunda rubida* (Lyon, 1911). See Medway (1965:81).

Holotype: USNM 153790. Skin, skull, skeleton, [and brain in fluid]. Adult female. Collected [SL and FC: 18 Jun 1908], not 17 as in original description, by W. L. Abbott. Original number 5979.

Type Locality: [FC: Tanjong] Batu Jurong, [Kalimantan Barat], southwestern Borneo, (Kalimantan), [Indonesia].

Genus *Simias* Miller, 1903

***Simias concolor* G. S. Miller**

Smithson. Misc. Collect. 45(1): 67, 6 Nov 1903a.

Holotype: USNM 121659. Skin and skull. Adult male. Collected 3 Dec 1902 by W. L. Abbott. Original number 2103.

Type Locality: [FC: Small island close to the south shore of Vekens Bay], South Pagi Island (Pulau Pagai Selatan), [Sumatera Barat], Sumatra, [Indonesia].

Genus *Trachypithecus* Reichenbach, 1862

***Presbytis argenteus* Kloss**

J. Nat. Hist. Soc. Siam 3: 338, 31 Dec 1919.

= *Trachypithecus phayrei crepusculus* (Elliot, 1909). See Groves (2001:268).

Syntypes: USNM 236624. Skin and skull. Adult female. Collected 8 Oct 1916 by C. B. Kloss. Original number 2127.

USNM 236625. Skin and skull. Adult male. Collected 11 Oct 1916 by C. B. Kloss. Original number 2144.

Type Locality: Lat Bua Kao (Lat Bua Khao), [Nakon Ratchasima], East Siam (Thailand). [Pocock (1935:950): modified the locality to read = 30 mi (48 km) W. of Korat, some 100 mi (161 km) N. E. of Bangkok in S. W. Siam, not in E. Siam].

Remarks: Kloss (1919:338) identified the two specimens listed above as types in his original description and they are therefore syntypes (ICZN: 1999, Article 73.2.1). Both specimens were published under their original numbers; they were cataloged and assigned their USNM numbers on 19 Jul 1920. Note: the type locality is in fact in eastern Thailand, contrary to Pocock's assertion.

***Presbytis corvus* G. S. Miller**

Smithson. Misc. Collect. 61(21): 27, 29 Dec 1913b.

= *Trachypithecus obscurus carbo* (Thomas and Wroughton, 1909). See Pocock (1935:947).

Holotype: USNM 123993. Skin and skull. Adult male. Collected 10 Nov 1903 by W. L. Abbott. Original number 2852.

Type Locality: Pulo Terutau (Ko Tarutao), west coast of Malay Peninsula, [Satun, Thailand].

***Presbytis cristata koratensis* Kloss**

J. Nat. Hist. Soc. Siam 3: 340, 31 Dec 1919.

= *Trachypithecus germaini germaini* (Milne-Edwards, 1876). See Groves (2001:265).

Holotype: USNM 236627. Skin and skull. Adult female. Collected [SL: 10] Oct 1916 by C. B. Kloss. Original number 2136.

Type Locality: Lat Bua Kao (Lat Bua Khao), [Nakon Ratchasima], East Siam (Thailand). [Pocock (1935:950): modified the locality to read = 30 mi (48 km) W. of Korat, some 100 mi (161 km) N. E. of Bangkok in S. W. Siam, not in E. Siam].

Remarks: The holotype was published as CBK number 2136; it was cataloged and assigned USNM 236627 on 19 Jul 1920.

Note: the type locality is in fact in eastern Thailand, contrary to Pocock's assertion.

***Presbytis vigilans* G. S. Miller**

Smithson. Misc. Collect. 61(21): 29, 29 Dec 1913b.
= *Trachypithecus cristatus vigilans* (G. S. Miller, 1913). See Groves (2001:265).
Holotype: USNM 104840. Skull only. Adult female. Collected 2 Jun 1900 by W. L. Abbott. Original number 422.
Type Locality: Sirhassen Island (Pulau Serasan), South Natuna Islands (Kepulauan Natuna Selatan), [Kepulauan Riau, Indonesia].

***Pygathrix flavicauda* Elliot**

Proc. U.S. Natl. Mus. 38: 352, 6 Aug 1910c.
= *Trachypithecus obscurus flavicaudus* (Elliot, 1910). See Pocock (1935:942).
Holotype: USNM 83259. [Skin and skull]. [Poole and Schantz (1942:249): Adult] [SL: female]. Collected [SL: 27 Mar 1896 by W. L. Abbott]. No original number.
Type Locality: [MC: Prahmon], Trong (Trang), Lower Siam (Thailand).

***Pygathrix sanctorum* Elliot**

Proc. U.S. Natl. Mus. 38: 351, 6 Aug 1910c.
= *Trachypithecus obscurus sanctorum* (Elliot, 1910). See Groves (2001:268).
Holotype: USNM 104446. [Skin and skull]. [Poole and Schantz (1942:250): Adult] [SL: female]. Collected [SL: 16 Jan 1900, not Jun as in original description, by W. L. Abbott. Original number 235].
Type Locality: St. Matthew (Za Det Gyi) Island, Mergui Archipelago, [Tanintharyi, Burma].

***Pygathrix ultima* Elliot**

Proc. U.S. Natl. Mus. 38: 351, 6 Aug 1910c.
= *Trachypithecus cristatus cristatus* (Raffles, 1821). See Groves (2001:265).
Holotype: USNM 83949. [Skin and skull]. [Poole and Schantz (1942:250): Adult] [SL: male]. Collected [SL: Jun 1895] by E. and C. Hose. No original number.
Type Locality: Mount (Bukit) Dulit, elevation 3,000 ft (914 m), [Sarawak], Borneo, [Malaysia].

Semnopithecus (Trachypithecus) auratus auratus ebenus

Brandon-Jones

Raffles Bull. Zool. 41: 15, 30 Jun 1995.
= *Trachypithecus ebenus* (Brandon-Jones, 1995). See Groves (2001:273).
Holotype: USNM 240489. Flat skin, skull, [and hand and feet bones]. Adult female. Collected in 1924 by F. R. Wulsin. No original number.
Type Locality: [SL: French Indochina], possibly from the vicinity of Lai Chau or, perhaps more probably, from the Fan Si Pan mountain chain at 22°30'N 103°50'E, Vietnam.

FAMILY HYLOBATIDAE GRAY, 1871

Genus *Hylobates* Illiger, 1811

***Hylobates cinereus abbotti* Kloss**

Proc. Zool. Soc. London 1929: 119, 30 Apr 1929.
= *Hylobates muelleri abbotti* Kloss, 1929. See Medway (1977:74).
Holotype: USNM 142172. Skin, skull, [long bones, and brain in fluid]. Adult male. Collected 29 Jun 1905 by W. L. Abbott. Original number 4252.
Type Locality: Sungei Naja (Sungai Naya), Landak River (Sungai Landak), Pontianak, [Kalimantan Barat], southwest Borneo, (Kalimantan), [Indonesia].

***Hylobates mulleri albibarbis* Lyon**

Proc. U.S. Natl. Mus. 40: 142, 25 Apr 1911b.
= *Hylobates albibarbis* Lyon, 1911. See Groves (2001:291).
Holotype: USNM 145327. Skin and skull. Adult male. Collected 16 Aug 1907 by W. L. Abbott. Original number 5501.
Type Locality: Along the Matan River (Sungai Matan), a tributary of the Sempang (Sungai Simpang), [Kalimantan Barat], [SL: west Borneo (Kalimantan)], [Indonesia].

***Symphalangus klossii* G. S. Miller**

Smithson. Misc. Collect. 45(1): 70, 6 Nov 1903a.
= *Hylobates klossii* (G. S. Miller, 1903). See Chasen and Kloss (1928b:808).
Holotype: USNM 121678. Skin and skull. Adult male. Collected 13 Nov 1902 by W. L. Abbott. Original number 2032.
Type Locality: [FC: Sikakap Strait (Selat Sikakap)], South Pagai Island (Pulau Pagai Selatan), [Sumatera Barat], [FC: west] Sumatra, [Indonesia].

ORDER LAGOMORPHA BRANDT, 1855

FAMILY OCHOTONIDAE THOMAS, 1897

Genus *Ochotona* Link, 1795

***Lagomys collaris* Nelson**

Proc. Biol. Soc. Wash. 8: 117, 21 Dec 1893.
= *Ochotona collaris* (Nelson, 1893). See Trouessart (1897:648).
Holotype: USNM 14384/36297. Skin and skull. Adult. Collected [SL: summer of] 1880 by E. W. Nelson. Original number 164.
Type Locality: Near the head of the Tanana River, about 200 mi (322 km) south of Fort Yukon, Alaska.

***Lagomys schisticeps* Merriam**

N. Am. Fauna 2: 11, 30 Oct 1889a.
= *Ochotona princeps schisticeps* (Merriam, 1889). See A. H. Miller (1936:175).
Holotype: USNM 186517. Skin and skull. Adult male. Collected 9 Jun 1888 by C. A. Allen. Original number [MCC: 265]. Merriam collection number 4725/5376.

Type Locality: Donner, [Placer County], California.
 Remarks: The holotype was published as the Merriam collection number; it was cataloged USNM 186517 on 23 Oct 1911.

***Ochotona (Pika) alpina argentata* A. B. Howell**
 Proc. Biol. Soc. Wash. 41:116, 29 Jun 1928b.
 = *Ochotona argentata* A. B. Howell, 1928. See Erbjajeva (1997:505).
 Holotype: USNM 240726. Skin, skull, and skeleton. Adult female. Collected 16 May 1923 by F. R. Wulsin. Original number 1059.
 Type Locality: 15 mi (24 km) northwest of Ninghsia (Yinchuan), northern Kansu (Ningxia), China.

***Ochotona annectens* G. S. Miller**
 Proc. Biol. Soc. Wash. 24: 54, 24 Feb 1911a.
 = *Ochotona cansus annectens* G. S. Miller, 1911. See Smith (2008:278) for current use.
 Holotype: USNM 155164. Skin and skull. Adult male. Collected 27 Jul 1909 by A. de C. Sowerby. Original number 225.
 Type Locality: 15 mi (24 km) northeast of Ching-Ning-Chow, altitude 6,200 ft (1,890 m), Kansu (Gansu), China.

***Ochotona cansus* Lyon**
 Smithson. Misc. Collect. 50(14): 136, 9 Jul 1907b.
 = *Ochotona cansus cansus* Lyon, 1907.
 Holotype: USNM 144030. Skin and skull. Adult male. Collected 8 Jun 1906 by W. W. Simpson. Original number 13.
 Type Locality: Taocheo [Hoffmann and Smith (2005:186): (Lintan)], Kan-su (Gansu), China.

***Ochotona (Ochotona) erythrotis vulpina* A. B. Howell**
 Proc. Biol. Soc. Wash. 41: 117, 29 Jun 1928b.
 = *Ochotona erythrotis* (Buchner, 1890).
 Holotype: USNM 240723. Skin and skull. Adult Male. Collected 12 Aug [SL and FC: 1923], not 1927 as in original description, by F. R. Wulsin. Original number 1103.
 Type Locality: 30 mi (48 km) west of Sining (Xining), Kansu (Qinghai), China.

***Ochotona fenisex brunnescens* A. H. Howell**
 Proc. Biol. Soc. Wash. 32: 108, 20 May 1919.
 = *Ochotona princeps fenisex* Osgood, 1913. See Hafner and Smith (2010:411) for current use.
 Holotype: USNM 227259. Skin and skull. Subadult male. Collected 23 Aug 1917 by G. G. Cantwell. Original number 38. 19568-X.
 Type Locality: Keechelus, [Kittitas County], Washington.

***Ochotona fenisex fumosa* A. H. Howell**
 Proc. Biol. Soc. Wash. 32: 109, 20 May 1919.
 = *Ochotona princeps fenisex* Osgood, 1913. See Hafner and Smith (2010:411) for current use.
 Holotype: USNM 91144. Skin and skull. Adult male. Collected 4 Oct 1897 by J. A. Loring. Original number 4799.

Type Locality: Permilia (Pamelia) Lake, west base Mount Jefferson, [Linn County], Oregon.

***Ochotona levis* Hollister**
 Proc. Biol. Soc. Wash. 25: 57, 13 Apr 1912b.
 = *Ochotona princeps princeps* (Richardson, 1828). See Hoffmann and Smith (2005:191).
 Holotype: USNM 12000/22241. Skin and skull. Adult female. Collected 24 Aug 1874 by E. Coues. Original number 4593.
 Type Locality: Chief Mountain Lake (Waterton Lake), [Glacier County], Montana.

***Ochotona nigrescens* Bailey**
 Proc. Biol. Soc. Wash. 26: 133, 21 May 1913.
 = *Ochotona princeps saxatilis* Bangs, 1899. See Hoffmann and Smith (2005:192).
 Holotype: USNM 147976. [Skin and skull]. Adult male. Collected 28 Aug 1906 by V. Bailey. Original number 8447.
 Type Locality: Jemez Mountains, altitude [FC: about] 10,000 ft (3,048 m), [Sandoval County], New Mexico. Restricted by Bailey (1931:67) within the above locality to "on Goat Peak at the head of Santa Clara Creek."

***Ochotona nitida* Hollister**
 Smithson. Misc. Collect. 60(14): 4, 29 Nov 1912c.
 = *Ochotona alpina alpina* (Pallas, 1773). See Hoffmann and Smith (2005:185).
 Holotype: USNM 175390. Skin and skull. Adult female. Collected 8 Jul 1912 by N. Hollister. Original number 4257.
 Type Locality: Tcheagan-Burgazi Pass, Altai Mountains, near Mongolian border, south of Kosh-Agatch (Kosh-Agach), [Altayskiy], Siberia (Russia).

***Ochotona princeps brooksi* A. H. Howell.**
 N. Am. Fauna 47: 30, 23 Sep 1924.
 = *Ochotona princeps fenisex* Osgood, 1913. See Hafner and Smith (2010:411) for current use.
 Holotype: USNM 69275. Skin and skull. Adult male. Collected 24 Sep 1894 by C. P. Streater. Original number 4319.
 Type Locality: Sicamous, [FC: altitude 1,200 ft (366 m)], British Columbia, [Canada].

***Ochotona princeps lutescens* A. H. Howell**
 Proc. Biol. Soc. Wash. 32: 105, 20 May 1919.
 = *Ochotona princeps princeps* (Richardson, 1828). See Hoffmann and Smith (2005:191).
 Holotype: USNM 108650. Skin and skull. Adult male. Collected 26 Jul 1899 by G. F. Dippie. Original number 193. 2973-X.
 Type Locality: Mount Inglesmaldie (Inglismaldie), near Banff, [Miller and Kellogg (1955:136): altitude about 8,000 ft (2,438 m)], Alberta, Canada.

***Ochotona princeps moorei* M. C. Gardner**
 J. Wash. Acad. Sci. 40: 344, 15 Oct 1950.

= *Ochotona princeps uinta* Hollister, 1912. See Hafner and Smith (2010:412) for current use.

Holotype: USNM 248436. Skin and skull. Adult female. Collected 18 Jul 1928 by A. W. Moore. Original number 470. [SL: 24928-X].

Type Locality: Manti National Forest, 1 mi (1.6 km) northeast of Baldy Ranger Station, altitude 10,000 ft (3,048 m), Sanpete County, Utah.

***Ochotona saxatilis incana* A. H. Howell**

Proc. Biol. Soc. Wash. 32: 107, 20 May 1919.

= *Ochotona princeps saxatilis* Bangs, 1899. See Hoffmann and Smith (2005:195).

Holotype: USNM 128914. Skin and skull. Adult female. Collected 10 Aug 1903 by V. Bailey. Original number 8079.

Type Locality: Pecos Baldy, altitude 12,000 ft (3,658 m), [Santa Fe County], New Mexico.

***Ochotona schisticeps fuscipes* A. H. Howell**

Proc. Biol. Soc. Wash. 32: 110, 20 May 1919.

= *Ochotona princeps schisticeps* (Merriam, 1889). See Hafner and Smith (2010:411) for current use.

Holotype: USNM 158094. Skin and skull. Adult male. Collected 7 Sep 1908 by W. H. Osgood. Original number 3475.

Type Locality: Brian Head, Parowan Mountains, [FC: Iron County], Utah.

***Ochotona schisticeps goldmani* A. H. Howell**

N. Am. Fauna 47: 40, 23 Sep 1924.

= *Ochotona princeps princeps* (Richardson, 1828). See Hoffmann and Smith (2005:191).

Holotype: USNM 236408. Skin and skull. Adult male. Collected 18 Jun 1921 by L. J. Goldman. Original number 2754.

Type Locality: Echo Crater, Snake River Desert, 20 mi (32 km) southwest of Arco, [Butte County], Idaho.

***Ochotona schisticeps jewetti* A. H. Howell**

Proc. Biol. Soc. Wash. 32: 109, 20 May 1919.

= *Ochotona princeps schisticeps* (Merriam, 1889). See Hafner and Smith (2010:411) for current use.

Holotype: USNM 208352. Skin and skull. Adult male. Collected 3 Sep 1915 by S. G. Jewett. Original number 2362.

Type Locality: Head of Pine Creek, near Cornucopia, south slope of Wallowa Mountains, Baker County, Oregon.

***Ochotona uinta* Hollister**

Proc. Biol. Soc. Wash. 25: 58, 13 Apr 1912b.

= *Ochotona princeps uinta* Hollister, 1912. See A. H. Howell (1924:19). See Hafner and Smith (2010:412) for current use.

Holotype: USNM 9750. Skin only. Adult. Collected 28 Sep 1870 by F. V. Hayden. Original number 567.

Type Locality: Uinta Mountains, Utah. Restricted by A. H. Howell (1924:19) to “near head of east fork of Bear River, Uinta Mountains, Utah.”

***Ochotona uinta lemhi* A. H. Howell**

Proc. Biol. Soc. Wash. 32: 106, 20 May 1919.

= *Ochotona princeps princeps* (Richardson, 1828). See Hafner and Smith (2010:410) for current use.

Holotype: USNM 23543/30961. Skin and skull. Adult female. Collected 19 Aug 1890 by C. P. Streater. Original number 174.

Type Locality: Lemhi [FC: Salmon River] Mountains, 10 mi (16 km) west of Junction, [FC: altitude about 9,000 ft (2,743 m)], [Lemhi County], Idaho.

***Ochotona uinta nevadensis* A. H. Howell**

Proc. Biol. Soc. Wash. 32: 107, 20 May 1919.

= *Ochotona princeps princeps* (Richardson, 1828). See Hafner and Smith (2010:410) for current use.

Holotype: USNM 94213. Skin and skull. Adult female. Collected 21 Jun 1898 by V. Bailey. Original number 6580.

Type Locality: Ruby Mountains, altitude 10,500 ft (3,200 m), southwest of Ruby P. O., [Elko County], Nevada.

***Ochotona uinta ventorum* A. H. Howell**

Proc. Biol. Soc. Wash. 32: 106, 20 May 1919.

= *Ochotona princeps princeps* (Richardson, 1828). See Hafner and Smith (2010:410) for current use.

Holotype: USNM 176778. Skin and skull. Adult male. Collected 19 Jul 1911 by H. E. Anthony. Original number 395.

Type Locality: [SL and FC: 4 mi (6 km) south of] Fremont Peak, [SL and FC: altitude 11,500 ft (3,505 m)], Wind River Mountains, [Fremont County], Wyoming.

FAMILY LEPORIDAE G. FISCHER, 1817

Genus *Brachylagus* Miller, 1900

***Lepus idahoensis* Merriam**

N. Am. Fauna 5: 76, 30 Jul 1891.

= *Brachylagus idahoensis* (Merriam, 1891). See Lyon (1904:411).

Holotype: USNM 24045/31461. Skin and skull. Adult male. Collected 16 Sep 1890 by [SL: V. Bailey] and B. H. Dutcher. Original number [FC: VB] 1816.

Type Locality: Pahsimeroi Valley, [FC: near head Pahsimeroi River, altitude 7,000 ft (2,134 m)], [Davis (1939:363): near Goldburg, Custer County], Idaho.

Genus *Lepus* Linnaeus, 1758

***Lepus alleni tiburonensis* Townsend**

Bull. Am. Mus. Nat. Hist. 31: 120, 14 Jun 1912.

Holotype: USNM 198403. [Skin and skull]. [Poole and Schantz (1942:208): Adult] male. Collected 13 Apr [SL: 1911 by H. E. Anthony. Original number 160].

Type Locality: Tiburon Island, [Gulf of California, Sonora, Mexico].

Remarks: The holotype was published as American Museum of Natural History number 31990. It was cataloged USNM 198403 on 26 Jun 1914.

Lepus americanus dalli Merriam

Proc. Wash. Acad. Sci. 2: 29, 14 Mar 1900.

Holotype: USNM 8996/7579. Skin and skull. Adult male. Collected [SL: 27 Jan 1867] by W. H. Dall. Original number [SL: 584].

Type Locality: Nulato River, Alaska.

Remarks: The holotype was designated by the skull number USNM 7579; USNM 8996 is the skin that belongs to it.

Lepus americanus macfarlani Merriam

Proc. Wash. Acad. Sci. 2: 30, 14 Mar 1900.

= *Lepus americanus dalli* Merriam, 1900. See Youngman (1975:57).

Holotype: USNM 7111/14467. Skin [cannot be found] and skull. Adult male. Collected [MC: Mar 1863] by R. MacFarlane. Original number [MC: 319].

Type Locality: Fort Anderson, north of Great Bear Lake, [Miller and Rehn (1901:178): near mouth of Anderson River], Arctic America (Mackenzie District, Northwest Territories, Canada).

Remarks: The holotype was published as USNM 14467; USNM 7111 is its corresponding skin, which cannot be found.

Lepus arcticus canus Preble

N. Am. Fauna 22: 59, 31 Oct 1902.

= *Lepus arcticus arcticus* Ross, 1819. See Hoffmann and Smith (2005:196).

Holotype: USNM 106860. Skin and skull. Young adult male. Collected 17 Aug 1900 by E. A. Preble. Original number 3347.

Type Locality: Barren grounds near Hubbard Point, about 75 mi (121 km) north of Fort Churchill, Keewatin (Manitoba), Canada.

Lepus arcticus hubbardi Handley

Proc. Biol. Soc. Wash. 65: 199, 5 Nov 1952.

= *Lepus arcticus monstrabilis* Nelson, 1934. See Hoffmann and Smith (2005:196).

Holotype: USNM 290933. Skin and skull. Adult male. Collected 11 Jun 1949 by C. O. Handley, Jr. Original number 1283.

Type Locality: At 350 ft (107 m) elevation, near Cherie Bay, 5 mi (8 km) [SL: 6 mi (10 km)] northeast of Mould Bay Station, Prince Patrick Island, District of Franklin, Northwest Territories, Canada, lat. 72°20'N, long. 119°08'W.

Lepus arcticus monstrabilis Nelson

Proc. Biol. Soc. Wash. 47: 85, 8 Mar 1934.

Holotype: USNM 126169. [Skin and skull]. Adult male. Collected 24 Apr 1901, not 21 as in original description, by J. S. Warmbath. Original number [XC: 54]. 3923-X.

Type Locality: [SL: head of north arm] Buchanan Bay, Ellesmere Island, [Nunavut], northern Canada.

Lepus arcticus porsildi Nelson

Proc. Biol. Soc. Wash. 47: 83, 8 Mar 1934.

= *Lepus arcticus groenlandicus* Rhoads, 1896. See Hoffmann and Smith (2005:196).

Holotype: USNM 248723. [Skin and skull]. Adult, sex not given. Collected 5 Sep 1926 by O. Hastrup, not by M. P. Porsild as given in original description. Original number [SL and XC: 2]. 24637-X.

Type Locality: Near Julianehaab (Qaqortoq), lat. 61°20'N, not 60°20' as in original description, Greenland.

Lepus asellus G. S. Miller

Proc. Acad. Nat. Sci. Phila. 51: 380, 29 Sep 1899b.

= *Lepus californicus texianus* Waterhouse, 1848. See Hoffmann and Smith (2005:196).

Holotype: USNM 20895/36009. Skin and skull. Adult female. Collected 22 Oct 1891 by P. L. Jouy. Original number 270.

Type Locality: San Luis Potosi, [San Luis Potosi], Mexico.

Lepus aurigineus Hollister

Proc. Biol. Soc. Wash. 25: 181, 24 Dec 1912d.

= *Lepus tolai aurigineus* Hollister, 1912. See G. M. Allen (1927:9).

Holotype: USNM 13761/38173. Skin and skull. Adult female. Collected 27 Dec 1880 by unknown collector. No original number.

Type Locality: Chiu Kinag (Jiujiang), northern Kiangsi (Jiangxi), China.

Lepus bairdii Hayden

Am. Nat. 3: 115, May 1869.

= *Lepus americanus bairdii* Hayden, 1869. See J. A. Allen (1875:431).

Lectotype: USNM 4262/3801 as designated by Nelson (1909:109). Skin and skull. [Nelson (1909:109): Adult] male. Collected 2 Jun 1860 by F. V. Hayden. Original number 62.

Type Locality: Near Fremont Peak, summit of Wind River Mountains, [Fremont County], Wyoming.

Remarks: No type was designated in the original description, which was based on several specimens from the Wind River Mountains collected by F. V. Hayden in the first part of Jun 1860. In his revision, Nelson (1909:109) called the above-listed specimen the type, therefore designating a lectotype (ICZN, 1999: Article 74.5).

Lepus brachyurus angustidens Hollister

Proc. Biol. Soc. Wash. 25: 183, 24 Dec 1912d.

Holotype: USNM 13871/38514. Skin and skull. Adult male. Collected 14 Dec 1882 by P. L. Jouy. No original number.

Type Locality: Tate Yama Mountain, Hondo Island (Honshu), Japan.

***Lepus californicus magdalenae* Nelson**

Proc. Biol. Soc. Wash. 20: 81, 22 Jul 1907.

= *Lepus californicus xanti* Thomas, 1898. See Hoffmann and Smith (2005:196).

Holotype: USNM 146168. [Skin and skull]. Adult male. Collected 26 Nov 1905 by E. W. Nelson and E. A. Goldman. Original number [SL: 18638].

Type Locality: Magdalena Island (Isla Santa Magdalena), [FC: 20–50 ft (6–15 m)], Lower California (Baja California Sur), Mexico.

Remarks: Hoffmann and Smith (2005:196) used *magdalenae* as the subspecific name in error, as it is predated by *xanti*. This correction was noted on a working draft of the manuscript by R. D. Fisher and was agreed to by R. S. Hoffmann, but the correction did not make it into the final publication.

***Lepus campestris sierrae* Merriam**

Proc. Biol. Soc. Wash. 17: 132, 14 Jul 1904a.

= *Lepus townsendii townsendii* Bachman, 1839. See Orr (1940:37).

Holotype: USNM 67863. [Skin and skull]. [Lyon and Osgood (1909:130): Adult] female. Collected 9 Sep 1894 by F. Stephens. Original number 1889.

Type Locality: Hope Valley, altitude 7,800 ft (2,377 m), Alpine County, California.

***Lepus capensis abbotti* Hollister**

Proc. Biol. Soc. Wash. 31: 35, 16 May 1918a.

= *Lepus capensis aegyptius* Desmarest, 1822. See Hoffmann and Smith (2005:197).

Holotype: USNM 19014/34779. Skin and skull. Adult female. Collected 20 Sep 1888 by W. L. Abbott. No original number.

Type Locality: Plains east of Mount Kilimanjaro, British East Africa (Kenya).

***Lepus europaeus cinnamomeus* Shamel**

J. Mammal. 21: 77, 14 Feb 1940a.

= *Lepus tolai cinnamomeus* Shamel, 1940. See Hoffmann and Smith (2005:204).

Holotype: USNM 255006. Skin, skull, and skeleton. Adult male. Collected 13 Dec 1929 by D. C. Graham. Original number [SL: 321].

Type Locality: Suifu (Yibin), altitude 1,000 to 2,000 ft (305 to 610 m), Szechwan (Sichuan), China.

***Lepus festinus* Nelson**

Proc. Biol. Soc. Wash. 17: 108, 18 May 1904.

= *Lepus californicus texianus* Waterhouse, 1848. See Hoffmann and Smith (2005:196).

Holotype: USNM 53490. [Skin and skull]. Adult male. Collected 31 Mar 1893 by E. W. Nelson and E. A. Goldman. Original number [FC: EWN] 4522.

Type Locality: Irolo, [FC: altitude 7,600 ft (2,317 m)], Hidalgo, Mexico.

***Lepus gaillardi* Mearns**

Proc. U.S. Natl. Mus. 18: 560, 24 Jun 1896a.

= *Lepus callotis gaillardi* Mearns, 1896. See Anderson and Gaunt (1962:5).

Holotype: USNM 20525/35714. Skin and skull. Adult male. Collected 17 Jun 1892 by E. A. Mearns and F. X. Holzner. Original number [SL: 1885].

Type Locality: West fork of the Playas Valley, near monument Number 63, [FC: Plains between White Water and the San Luis Mountains], Mexican boundary line (Hidalgo County, New Mexico).

***Lepus grahami* A. B. Howell**

Proc. Biol. Soc. Wash. 41: 143, 15 Oct 1928c.

= *Lepus oistolus* Hodgson, 1840. See Smith (2008:290) for current use.

Holotype: USNM 239875. Skin and skull. Adult female. Collected late Jul or early Aug [FC: 31 Jul] 1923 by D. C. Graham. Original number 8.

Type Locality: Ulongkong, altitude about 10,000 ft (3,048 m), about 10 mi (16 km) south of Tatsienlu (Kangding), Szechwan (Sichuan), China.

***Lepus kakumegae* Heller**

Smithson. Misc. Collect. 59(16): 19, 5 Jul 1912b.

= *Lepus microtis microtis* Heuglin, 1865. See Hoffmann and Smith (2005:201).

Holotype: USNM 181809. [Skin and skull]. Adult female. Collected 12 Feb 1912 by E. Heller. Original number 5644.

Type Locality: Lukosa River, Kakumega (Kakamega) Forest, [Western Province], British East Africa (Kenya).

***Lepus klamathensis* Merriam**

N. Am. Fauna 16: 100, 28 Oct 1899.

= *Lepus americanus washingtonii* Baird, 1855. See Hoffmann and Smith (2005:195).

Holotype: USNM 92248. [Skin and skull]. Adult female. Collected 25 Jan 1898 by B. L. Cunningham. Original number 86. [SL: 1191-X].

Type Locality: [Nelson (1909:107): Head of Wood River, near] Fort Klamath, [Klamath County], Oregon.

Remarks: Placement of *washingtonii* as a synonym of *virginianus* by Hoffmann and Smith (2005:195) was an error caught by R. D. Fisher while he was reviewing a working copy of their manuscript. Further, *washingtonii* has priority over *cascadensis*, used by Hoffmann and Smith (2005:195), and is the current valid subspecific name. These corrections were agreed to by R. S. Hoffmann, but they did not make it into the published version of Hoffmann and Smith (2005:195).

***Lepus labradorius* Miller**

Proc. Biol. Soc. Wash. 13: 39, 29 May 1899c.

= *Lepus arcticus bangsii* Rhoads, 1896. See Hoffmann and Smith (2005:196).

Syntypes: USNM 14149/37138. Skin [and skull]. [Lyon and Osgood (1909:29): Adult]. Collected 28 Sep 1882 by L. M. Turner. Original number 1180.

USNM 23132. Skull only. [Lyon and Osgood (1909:29): Adult]. Collected, date unknown, by L. M. Turner. Original number 2326. [MC: cataloged 12 Jan 1889].

Type Locality: Fort Chimo (Kuujuaq), Ungava (Nunavik), [Quebec, Canada].

Remarks: These two specimens were designated as cotypes in the original description and are now syntypes (ICZN, 1999: Article 73.2.1); USNM 14149 was published as a skin only, to which skull number USNM 37138 belongs, and USNM 23132 was erroneously published as 32132.

***Lepus merriami* Mearns**

Proc. U.S. Natl. Mus. 18: 2, 25 Mar 1896b. Preprint of Proc. U.S. Natl. Mus. 18: 444, 23 May 1896c.

= *Lepus californicus melanotis* Mearns, 1890. See Hoffmann and Smith (2005:196).

Holotype: USNM 83797. [Skin and skull]. Adult female. Collected 6 Apr 1893 by E. A. Mearns. Original number 2317.

Type Locality: Fort Clark, Kinney County, Texas.

Remarks: Published under the original number, 2317. Cataloged as USNM 83797 on 16 Sep 1897.

***Lepus merriami altamirae* Nelson**

Proc. Biol. Soc. Wash. 17: 109, 18 May 1904.

= *Lepus californicus melanotis* Mearns, 1890. See Hoffmann and Smith (2005:196).

Holotype: USNM 93691. [Skin and skull]. Adult male. Collected 16 May 1898 by E. W. Nelson and E. A. Goldman. Original number 12365.

Type Locality: Alta Mira, [FC: altitude about 75 ft (23 m)], Tamaulipas, Mexico.

***Lepus othus* Merriam**

Proc. Wash. Acad. Sci. 2: 28, 14 Mar 1900.

= *Lepus othus othus* Merriam, 1900.

Holotype: USNM 15883. Skull only. Adult, sex unknown. Collected [MC: Feb 1877] by L. M. Turner. Original number [MC: 1418].

Type Locality: St. Michaels (St. Michael), [Norton Sound], Alaska.

***Lepus parnassius* G. S. Miller**

Proc. Biol. Soc. Wash. 16: 145, 12 Nov 1903c.

= *Lepus europaeus parnassius* Miller, 1903. See Ellerman (1951:436).

Holotype: USNM 122093. Skin and skull. Adult male. Collected 10 Sep 1895. Collector unknown, received from W. Schluter of Halle, on the Saale, Germany.

Type Locality: Angorianni, north side of Lyakura (Parnassus) Mts., [Sterea Ellada], Greece.

***Lepus poadromus* Merriam**

Proc. Wash. Acad. Sci. 2: 29, 14 Mar 1900.

= *Lepus othus othus* Merriam, 1900. See Hoffmann and Smith (2005:202).

Holotype: USNM 98068. [Skin and skull]. [Lyon and Osgood (1909:30): Adult]. Collected 8 Jul 1899 by C. Palache. Original number A. K. Fisher 2207.

Type Locality: Stepovak Bay, Alaska Peninsula, [Alaska].

***Lepus quercerus* Hollister**

Proc. Biol. Soc. Wash. 25: 182, 24 Dec 1912d.

= *Lepus tibetanus stoliczkanus* Blandford, 1875. See Hoffmann and Smith (2005:203).

Holotype: USNM 175446. Skin and skull. Adult male. Collected 28 Jul 1912 by N. Hollister. Original number 4405.

Type Locality: Chuisaya Steppe, Altai Mountains, [Altayskiy], Siberia (Russia).

***Lepus raineyi* Heller**

Smithson. Misc. Collect. 59(16): 18, 5 Jul 1912b.

= *Lepus microtis microtis* Heuglin, 1865. See Hoffmann and Smith (2005:201).

Holotype: USNM 181808. [Skin and skull]. Adult female. Collected 21 Jul 1911 by P. J. Rainey. Original number Heller 3061.

Type Locality: Longaya Water, 30 mi (48 km) south of Mount Marsabit, [Eastern Province], British East Africa (Kenya).

***Lepus saliens* Osgood**

N. Am. Fauna 19: 39, 6 Oct 1900.

= *Lepus americanus dalli* Merriam, 1900. See Youngman (1975:57).

Holotype: USNM 98956. [Skin and skull]. Adult male. Collected 26 Jun 1899 by W. H. Osgood. Original number 504.

Type Locality: Caribou Crossing (Carcross), between Lake Bennett and Lake Tagish, Northwest Territory (Yukon), Canada.

***Lepus swinhoei sowerbyae* Hollister**

Proc. Biol. Soc. Wash. 25: 182, 24 Dec 1912d.

= *Lepus tolai filchneri* Matschie, 1907. See G. M. Allen (1927:8).

Holotype: USNM 172628. Skin and skull. Adult male. Collected 5 Feb 1910 by A. de C. Sowerby. Original number 365.

Type Locality: Wu-tsai (Yancheng), altitude 6,000 ft (1,829 m), 20 mi (32 km) west of Ning-wu-fu (Fenghuang), northern Shansi (Shanxi), China.

***Lepus texianus griseus* Mearns**

Proc. U.S. Natl. Mus. 18: 562, 24 Jun 1896a.

= *Lepus californicus texianus* Waterhouse, 1848. See Nelson (1909:142).

Holotype: USNM 21068/36108. Skin and skull. Adult female. Collected 22 Jun 1893 by Dr. [E. A.] Mearns. Original number 2353.

Type Locality: Fort Hancock, El Paso (Hudspeth) County, Texas.
Remarks: El Paso is still a valid county in Texas, but the type locality is in Hudspeth County.

Lepus texianus wallawalla Merriam

Proc. Biol. Soc. Wash. 17: 137, 14 Jul 1904b.

= *Lepus californicus deserticola* Mearns, 1896. See Hoffmann and Smith (2005:196).

Holotype: USNM 23923/31328. Skin and skull. Adult female. Collected 18 Sep 1890 by C. P. Streater. Original number 271.

Type Locality: Touchet, Plains of Columbia, [Walla Walla County], Washington.

Remarks: The skull number was incorrectly given as 21328 in the original description.

Lepus tularensis Merriam

Proc. Biol. Soc. Wash. 17: 136, 14 Jul 1904b.

= *Lepus californicus californicus* Gray, 1837. See Hoffmann and Smith (2005:196).

Holotype: USNM 126334. [Skin and skull]. Adult female. Collected 25 Oct 1900 by L. J. Goldman. Original number [SL:496].

Type Locality: Alila, in bottom of San Joaquin Valley, Tulare County, California.

Lepus varronis G. S. Miller

Proc. Biol. Soc. Wash. 14: 97, 27 Jun 1901b.

= *Lepus timidus varronis* G. S. Miller. See G. S. Miller (1912a: 528).

Holotype: USNM 105832. Skin and skull. Adult male. Collected 5 Dec 1900 by E. H. Zollikofer. Original number 196.

Type Locality: Grisons, Heinzenberg, Canton of Graubunden, Switzerland.

Lepus washingtonii Baird

Proc. Acad. Nat. Sci. Phila. 7: 333, reported favorably for publication 24 Apr 1855; receipt acknowledged 15 Jun 1855 by the American Philosophical Society.

= *Lepus americanus washingtonii* Baird, 1855. See J. A. Allen (1875:431).

Lectotype: USNM 280/1223 as designated by Lyon and Osgood (1909:31). Skin and skull. Adult, sex unknown. Collected 1 Apr 1854 by G. Suckley. Original number [MC: J. J. Stevens 7].

Type Locality: Steilacoom, Pierce County, Washington.

Remarks: Lyon and Osgood (1909:31) stated that for reasons given, and reiterated by Poole and Schantz (1942:215), this specimen must be regarded as the type, effectively designating it as the lectotype (ICZN, 1999: Article 74.5). Placement of *washingtonii* as a synonym of *virgianus* by Hoffmann and Smith (2005:195) was an error caught by R. D. Fisher while reviewing a working copy of their manuscript. Further, *washingtonii* has priority over *cascadensis* and is the current

valid subspecific name. These corrections were agreed to by R. S. Hoffmann but they did not make it into the published version of Hoffmann and Smith (2005:195). The skin, USNM 280, also bears a Museum of Comparative Zoology label with the number 5500. In a letter in the type catalog file dated 22 Dec 1961 from C. O. Handley, Jr. to Barbara Lawrence, it was indicated that the skin was at the MCZ in May 1876; it was not at the USNM when Lyon and Osgood (1909:31) published their catalog but was present when Poole and Schantz (1942:215) published theirs. The circumstances surrounding the movement of the skin are unknown.

Genus *Romerolagus* Merriam, 1896

Romerolagus nelsoni Merriam

Proc. Biol. Soc. Wash. 10: 173, 29 Dec 1896.

= *Romerolagus diazi* Ferrari-Perez, 1893. See Miller (1911b:229).

Holotype: USNM 57949. [Skin and skull]. Adult male. Collected 6 Jan 1894 by E. W. Nelson and E. A. Goldman. Original number 5639.

Type Locality: [Miller and Rehn (1901:177): West slope of] Mount Popocatepetl, altitude 3,350 m or 11,000 ft, [SL: Mexico], Mexico.

Genus *Sylvilagus* Gray, 1867

Lepus arizonae goldmani Nelson

Proc. Biol. Soc. Wash. 17: 107, 18 Mar 1904.

= *Sylvilagus audubonii goldmani* (Nelson, 1904). See Nelson (1909:225).

Holotype: USNM 96812. [Skin and skull]. Adult female, not male as in original description. Collected 20 Mar 1899 by E. A. Goldman. Original number [FC: Nelson and Goldman] 13588.

Type Locality: Culiacan, [FC: altitude about 175 ft (53 m)], Sinaloa, Mexico.

Lepus arizonae major Mearns

Proc. U.S. Natl. Mus. 18: 557, 24 Jun 1896a.

= *Sylvilagus audubonii arizonae* (J. A. Allen, 1877). See Nelson (1909:222).

Holotype: USNM 18192/25090. Skin and skull. Adult male. Collected 23 Oct 1889 by L. Stejneger. Original number 3053.

Type Locality: Calabasas, [Santa Cruz County], Arizona.

Lepus arizonae minor Mearns

Proc. U.S. Natl. Mus. 18: 557, 24 Jun 1896a.

= *Sylvilagus audubonii minor* (Mearns, 1896). See Nelson (1909:226).

Holotype: USNM 20104/37064. Skin and skull. Adult male. Collected 6 Feb 1892 by [E. A.] Mearns and [F. X.] Holzner. Original number 1418.

Type Locality: El Paso, [El Paso County], Texas.

***Lepus audubonii* Baird**

Mammals Rep. Explor. Surv. 8(1): 608, 1857.

= *Sylvilagus audubonii audubonii* (Baird, 1857). See Nelson (1909:214).

Lectotype: USNM 1163/2045, as designated by Lyon and Osgood (1909:288). Skin and skull. Age and sex not given. Collected on unknown date by J. S. Newberry. [MC: Cataloged 31 Dec 1855]. Received from R. S. Williamson.

Type Locality: San Francisco, [San Francisco County], California.

Remarks: Lyon and Osgood (1909:288) stated that for reasons given, it seems reasonable to take this specimen as the type, effectively designating it as the lectotype (ICZN, 1999: Article 74.5). Neither skin nor skull was present at the time of Lyon and Osgood (1909:288). By the time Poole and Schantz (1942:216) published their type catalog, the skin was in the USNM and bore a Museum of Comparative Zoology label with number 5460 on it. The circumstances of its travel to the Museum of Comparative Zoology and its return are unknown. The skull was found in the general collection 21 Mar 1974 and installed in the type collection at that time.

***Lepus bachmani ubericolor* G. S. Miller**

Proc. Acad. Nat. Sci. Phila. 51: 383, 5 Oct 1899b.

= *Sylvilagus bachmani ubericolor* (G. S. Miller, 1899). See Lyon (1904:337).

Holotype: USNM 19964/35371. Skin and skull. Adult male. Collected 25 Feb 1890 by A. W. Anthony. Original number [SL: 1226].

Type Locality: Beaverton, [Washington County], Oregon.

***Lepus baileyi* Merriam**

Proc. Biol. Soc. Wash. 11: 148, 9 Jun 1897b.

= *Sylvilagus audubonii baileyi* (Merriam, 1897). See Nelson (1909:232).

Holotype: USNM 56016. [Skin and skull]. Adult female. Collected 17 Sep 1893 by C. H. Merriam and V. Bailey. Original number [FC: VB] 4372.

Type Locality: Spring Creek, east side of Bighorn Basin, [Big Horn County], Wyoming.

***Lepus brasiliensis* var. *gabbi* J. A. Allen**

Monogr. N. Am. Rodentia, p. 349, Aug 1877.

= *Sylvilagus gabbi* (J. A. Allen, 1877). See Lyon (1904:336). See Ruedas and Salazar-Bravo (2007:63) for current use.

Lectotype: 11371/37794 as designated by Nelson (1909:259). Skin and skull. [Lyon and Osgood (1909:33): Adult] male. Collected by [SL: J. C. Zeledon], date unknown. Skin cataloged [MC: between 28 May and 11 Dec 1873; the skull 20 Oct 1889]. Received from W. M. Gabb.

Type Locality: Talamanca, Costa Rica. Restricted by Hershkovitz (1950:352) to Talamanca, Sipurio, Rio Sixaola, near the Caribbean Coast, [Limon], Costa Rica.

Remarks: Allen (1877:337) listed three specimens of his new variety. In his revision of The Rabbits of North America, Nelson (1909:259) designated USNM 11371/37794 as the type, effectively designating it the lectotype (ICZN, 1999: Article 74.5). Although Lyon and Osgood (1909:33) listed USNM 11371 and USNM 11372 as cotypes = syntypes, Nelson's (1909:259) act takes precedent (ICZN, 1999: Article 73.2.2).

***Lepus floridanus caniculus* G. S. Miller**

Proc. Acad. Nat. Sci. Phila. 51: 388, 5 Oct 1899b.

= *Sylvilagus floridanus chapmani* (J. A. Allen, 1899). See Lyon and Osgood (1909:32).

Holotype: USNM 63137. Skin and skull. Adult male. Collected 27 Dec 1892 by E. A. Mearns. Original number 2172.

Type Locality: Fort Clark, [Kinney County], Texas.

***Lepus floridanus chiapensis* Nelson**

Proc. Biol. Soc. Wash. 17: 106, 18 May 1904.

= *Sylvilagus floridanus aztecus* (J. A. Allen, 1890). See Hoffmann and Smith (2005:209).

Holotype: USNM 75953. [Skin and skull]. Adult female. Collected 28 Sep 1895 by E. W. Nelson and E. A. Goldman. Original number 8483.

Type Locality: San Cristobal, [FC: 8,200 ft (2,499 m)], Chiapas, [SL: Mexico].

***Lepus floridanus connectens* Nelson**

Proc. Biol. Soc. Wash. 17: 105, 18 May 1904.

= *Sylvilagus floridanus connectens* (Nelson, 1904). See Lyon and Osgood (1909:32).

Holotype: USNM 63660. [Skin and skull]. Adult male. Collected 15 Feb 1894 by E. W. Nelson and E. A. Goldman. Original number 5849.

Type Locality: Chichicaxtle, Veracruz, [SL: Mexico].

***Lepus floridanus sanctidiegi* G. S. Miller**

Proc. Acad. Nat. Sci. Phila. 51: 386, 5 Oct 1899b.

= *Sylvilagus audubonii arizonae* (J. A. Allen, 1877). See Hoffmann and Smith (2005:208).

Holotype: USNM 60668. Skin and skull. Adult female. Collected 10 Jul 1894 by E. A. Mearns. Original number [SL: 3783].

Type Locality: Monument No. 258, Pacific Ocean, Mexican Boundary Line, San Diego County, California.

***Lepus floridanus subcinctus* G. S. Miller**

Proc. Acad. Nat. Sci. Phila. 51: 384, 5 Oct 1899b.

= *Sylvilagus floridanus orizabae* (Merriam, 1893). See Hoffmann and Smith (2005:209).

Holotype: USNM 20435/35665. Skin and skull. Adult female. Collected 15 Jun 1892 by P. L. Jouy. Original number 415.

Type Locality: Hacienda El Molino, near Negrete, Michoacan, Mexico.

***Lepus floridanus yucatanicus* G. S. Miller**

Proc. Acad. Nat. Sci. Phila. 51: 388, 5 Oct 1899b.
= *Sylvilagus floridanus yucatanicus* (G. S. Miller, 1899). See Lyon (1904:336).

Holotype: USNM 11441/37772. Skin and skull. Adult female.
Collected 22 Feb 1865 by A. Schott. Original number 207.
Type Locality: Merida, Yucatan, [Mexico].

***Lepus graysoni* J. A. Allen**

Monogr. N. Am. Rodentia, p. 347, 1877.
= *Sylvilagus graysoni* (J. A. Allen, 1877). See Lyon (1904:336).
Holotype: USNM 8318. Skin with skull inside. [Lyon and Osgood (1909:33): Adult] female. Collected by A. J. Grayson, date unknown. [MC: Cataloged 15 Nov 1856].

Type Locality: Tres Marias Islands, [Nelson (1899:16): Undoubtedly from Maria Madre], [Nayarit, Mexico].

Remarks: J. A. Allen (1877:347) did not specifically designate the type by number but stated that the description was based mainly on the specimen from the Tres Marias Islands and referred a second specimen to his new taxon. In a table (J. A. Allen 1877:348) lists USNM 8318 as the specimen from the Tres Marias Islands.

***Lepus insonus* Nelson**

Proc. Biol. Soc. Wash. 17: 103, 18 May 1904.
= *Sylvilagus insonus* (Nelson, 1904). See Lyon and Osgood (1909:34).

Holotype: USNM 126878. [Skin and skull]. Adult female. Collected 20 May 1903 by E. W. Nelson and E. A. Goldman. Original number 16466.

Type Locality: Omilteme (Omiltemi), Guerrero, [SL: Mexico].

***Lepus margaritae* G. S. Miller**

Proc. Biol. Soc. Wash. 12: 97, 30 Apr 1898a.
= *Sylvilagus floridanus margaritae* (G. S. Miller, 1898). See Hershkovitz (1950:347).

Holotype: USNM 63217. [Skin and skull]. Adult male. Collected 1 Jul 1895 by W. Robinson. Original number 369.

Type Locality: Margarita Island (Isla de Margarita), [Nueva Esparta], Venezuela.

***Lepus orizabae* Merriam**

Proc. Biol. Soc. Wash. 8: 143, 29 Dec 1893.
= *Sylvilagus floridanus orizabae* (Merriam, 1893). See Nelson (1909:183).

Holotype: USNM 53318. [Skin and skull]. Adult female. Collected 24 Apr 1893 by E. W. Nelson. Original number 4730.

Type Locality: Mount Orizaba, altitude about 9,500 ft (2,896 m), Puebla, Mexico.

***Lepus pinetis robustus* Bailey**

N. Am. Fauna 25: 159, 24 Oct 1905.
= *Sylvilagus floridanus robustus* (Bailey, 1905). See Hall and Kelson (1951:56). See Nalls et al. (2012:6) for current use.

Holotype: USNM 18262/25165. Skin and skull. Adult female.
Collected 6 Jan 1890 by V. Bailey. Original number 873.

Type Locality: [FC: Finleys Ranch], altitude 6,000 ft (1,829 m), [SL: Fort Davis], Davis Mountains, [Jeff Davis County], Texas.

***Lepus simplicianus* G. S. Miller**

Proc. Biol. Soc. Wash. 15: 81, 25 Apr 1902c.
= *Sylvilagus floridanus chapmani* (J. A. Allen, 1899). See Lyon and Osgood (1909:37).

Holotype: USNM 21805/36508. Skin and skull. Adult female.
Collected 19 Oct 1891 by F. B. Armstrong. Original number [SL: 1402].

Type Locality: Brownsville, [Cameron County], Texas.

***Lepus sylvaticus* var. *arizonae* J. A. Allen**

Monogr. N. Am. Rodentia, p. 332, 1877.
= *Sylvilagus audubonii arizonae* (J. A. Allen, 1877). See Nelson (1909:222).

Holotype: USNM 8439. Skin of [Lyon and Osgood (1909:31): adult] male. Collected 8 Sep 1865 by E. Coues. Original number 1563.

Type Locality: Beales Springs, 50 mi (80 km) west of Fort Whipple, [Mohave County], Arizona.

Remarks: J. A. Allen (1877:332) did not explicitly designate a type by number, but stated that the taxon was based primarily on a specimen collected by Coues on 8 Sep 1865 at the locality given above. In the list of specimens, (J. A. Allen, 1877:340), number 8439 is the only specimen that matches those criteria.

***Lepus sylvaticus holzneri* Mearns**

Proc. U.S. Natl. Mus. 18: 554, 24 Jun 1896a.
= *Sylvilagus floridanus holzneri* (Mearns, 1896). See Lyon (1904:336).

Holotype: USNM 58937. [Skin and skull]. Adult female. Collected 29 Aug 1893 by F. X. Holzner. Original number 989.

Type Locality: [FC: Tanner's Canyon at the saw mill], in the Douglas Spruce zone near the summit of the Huachuca Mountains, [Cochise County], southern Arizona.

***Lepus sylvaticus rigidus* Mearns**

Proc. U.S. Natl. Mus. 18: 555, 24 Jun 1896a.
= *Sylvilagus floridanus holzneri* (Mearns, 1896). See Nelson (1909:178).

Holotype: USNM 20336/35537. Skin and skull. Adult male. Collected 21 Apr 1892 by [E. A.] Mearns and [F. X.] Holzner. Original number 1680.

Type Locality: [MC: Near Carrizalillo Spring], near Monument No. 31, Carrizalillo Mountains, Mexican Boundary Line, [Luna County, New Mexico].

***Lepus trowbridgii* Baird**

Proc. Acad. Nat. Sci. Phila. 7: 333, reported favorably for publication 24 Apr 1855; receipt acknowledged 15 Jun 1855 by the American Philosophical Society.

= *Sylvilagus bachmani bachmani* (Waterhouse, 1839). See Nelson (1909:247).

Lectotype: USNM 310/1235 as designated by Lyon and Osgood (1909:37). Skin and skull. Age and sex not given. Collected in 1853 by W. P. Trowbridge. No original number.

Type Locality: Monterey County, California.

Remarks: A type was not designated in the original description. Lyon and Osgood (1909:37) give their reasons for selecting this specimen as the type = lectotype (ICZN, 1999: Article 74.5). Although Lyon and Osgood's (1909:37) selection also establishes the type locality as given above, it should be noted the USNM skull catalog reads "Monterey? Cal. Perhaps San Diego" and the skin label reads "Presidio or Monterey, near San Francisco." Further, the skin label also adds Museum of Comparative Zoology number 1458, perhaps explaining why Lyon and Osgood (1909:37) reported the skin as lost. The skin was at the USNM at the time Poole and Schantz (1942:223) published their type catalog.

***Lepus truei* J. A. Allen**

Bull. Am. Mus. Nat. Hist. 3: 192, 10 Dec 1890.

= *Sylvilagus gabbi truei* (J. A. Allen, 1890). See Ruedas and Salazar-Bravo (2007:68) for current use.

Holotype: USNM 6357/34878. Skin and skull. Adult, sex not given. Collected by C. Sartorius, date unknown. Original number e. [MC: Skin cataloged Apr 1863; skull 27 Nov 1890].

Type Locality: Mirador, [Veracruz], Mexico.

Remarks: In a cataloging mixup, the skull was erroneously cataloged as USNM 25953 and was published as such. It is correctly presented here as USNM 34878.

***Lepus veraecrucis pacificus* Nelson**

Proc. Biol. Soc. Wash. 17: 104, 18 May 1904.

= *Sylvilagus cunicularius cunicularius* (Waterhouse, 1848). See Hoffmann and Smith (2005:209).

Holotype: USNM 70622. [Skin and skull]. Adult male. Collected 9 Jan 1895 by E. W. Nelson and E. A. Goldman. Original number 7340.

Type Locality: Acapulco, [FC: near sea level], Guerrero, [SL: Mexico].

***Sylvilagus aquaticus littoralis* Nelson**

N. Am. Fauna 29: 273, 31 Aug 1909.

Holotype: USNM 33848/45883. Skin and skull. Adult female. Collected 4 May 1892 by V. Bailey. Original number [SL: 3581].

Type Locality: Houma, [Terrebonne Parish], Louisiana.

***Sylvilagus audubonii cedrophilus* Nelson**

Proc. Biol. Soc. Wash. 20: 83, 22 Jul 1907.

= *Sylvilagus audubonii warreni* Nelson, 1907. See Hoffmeister and Lee (1963:514).

Holotype: USNM 148287. [Skin and skull]. Adult female. Collected 6 Nov 1906 by V. Bailey. Original number [SL: 8595].

Type Locality: Cactus Flat, [FC: altitude 5,200 ft (1,585 m)], 20 mi (32 km) north of Cliff, [Grant County], New Mexico.

***Sylvilagus audubonii neomexicanus* Nelson**

Proc. Biol. Soc. Wash. 20: 83, 22 Jul 1907.

= *Sylvilagus audubonii baileyi* (Merriam, 1897). See Hoffmann and Smith (2005:208).

Holotype: USNM 118477. [Skin and skull]. Adult male. Collected 23 Sep 1902 by J. H. Gaut. Original number [SL: 506].

Type Locality: [FC: Fifteen mi (24 km) south of] Fort Sumner, [De Baca County], New Mexico.

***Sylvilagus audubonii vallicola* Nelson**

Proc. Biol. Soc. Wash. 20: 82, 22 Jul 1907.

= *Sylvilagus audubonii audubonii* (Baird, 1857). See Hoffmann and Smith (2005:208).

Holotype: USNM 31257/43122. Skin and skull. Adult female. Collected 22 Oct 1891 by E. W. Nelson. Original number [SL: 1353].

Type Locality: San Emigdio Ranch, Kern County, California.

***Sylvilagus audubonii warreni* Nelson**

Proc. Biol. Soc. Wash. 20: 83, 22 Jul 1907.

Holotype: USNM 148632. [Skin and skull]. Adult female. Collected 4 Jan 1907 by C. H. Smith. Original number [XC: 23]. [SL: 6312-X].

Type Locality: [FC: Sagebrush south of] Coventry, [Montrose County], Colorado.

***Sylvilagus bachmani exiguus* Nelson**

Proc. Biol. Soc. Wash. 20: 84, 22 Jul 1907.

Holotype: USNM 139607. [Skin and skull]. Adult male. Collected 19 Sep 1905 by E. W. Nelson and E. A. Goldman. Original number [SL: 18153].

Type Locality: Yubay, [SL: 30 mi (48 km) southeast of Calamahué], [FC: altitude 200 ft (61 m)], central Lower California (Baja California), Mexico.

***Sylvilagus brasiliensis sanctaemartae* Hershkovitz**

Proc. U.S. Natl. Mus. 100: 353, 26 May 1950.

Holotype: USNM 279993. Skin and skull. Adult female. Collected 12 Mar 1942 by P. Hershkovitz. Original number 232.

Type Locality: Colonia Agricola de Caracolicito, altitude 335 m, Rio Ariguani, southern slope of the Sierra Nevada Santa Marta, department of Magdalena (Cesar/Magdalena), Colombia.

***Sylvilagus cognatus* Nelson**

Proc. Biol. Soc. Wash. 20: 82, 22 Jul 1907.

Holotype: USNM 136569. [Skin and skull]. Adult, sex not given. Collected Feb 1905 by A. Rea. No original number [SL: 5331-X].

Type Locality: Near summit of Manzano Mountains, altitude 10,000 ft (3,048 m), New Mexico. Restricted by Frey et al. (1997:331) to: the vicinity of Rea Ranch, 1.9 km N and 13.4 km W of Tajiue, T6N, R5E, NE ¼ of NW ¼ Sec 9, N34°45'05.39"W106°25'18.04" on the northeast side of Bosque Peak at 2,880 m elevation, Manzano Mountains, Torrence County, New Mexico.

***Sylvilagus floridanus ammophilus* A. H. Howell**

J. Mammal. 20: 365, 14 Aug 1939.

= *Sylvilagus floridanus floridanus* (J. A. Allen, 1890). See Hoffmann and Smith (2005:209).

Holotype: USNM 70313. Skin and skull. Adult male. Collected 22 Jan 1895 by J. A. Loring. Original number 2672.

Type Locality: Oak Lodge, on peninsula opposite Micco, [FC: Brevard County], Florida.

***Sylvilagus floridanus hitchensi* Mearns**

Proc. U.S. Natl. Mus. 39: 227, 9 Jan 1911.

= *Sylvilagus floridanus mallurus* (Thomas, 1898). See Hoffmann and Smith (2005:209).

Holotype: USNM 155577. [Skin and skull]. Adult female. Collected 13 May 1910 by E. A. Mearns. Original number [SL: 7419].

Type Locality: Smiths Island (Smith Island), Northampton County, Virginia.

***Sylvilagus floridanus hondurensis* Goldman**

Proc. Biol. Soc. Wash. 45: 122, 30 Jul 1932.

Holotype: USNM 257062. [Skin and skull]. Adult male. Collected 3 Dec 1931 by C. F. Underwood. Original number 628.

Type Locality: Monte Redondo, altitude about 5,100 ft (1,555 m), about 30 mi (48 km) northwest of Tegucigalpa, Honduras.

***Sylvilagus floridanus macrocorpus* Diersing and Wilson**

Smithson. Contrib. Zool. 297: 8, 8 Jan 1980.

Holotype: USNM 509011. Skin and skull. Adult female. Collected 20 Mar 1975 by C. Jones. Original number 5251.

Type Locality: Estanzuela, 1,372 m, Nayarit, Mexico.

***Sylvilagus floridanus restrictus* Nelson**

Proc. Biol. Soc. Wash. 20: 82, 22 Jul 1907.

= *Sylvilagus floridanus orizabae* (Merriam, 1893). See Hoffmann and Smith (2005:209).

Holotype: USNM 33687/45722. Skin and skull. Adult male. Collected 25 Apr 1892 by E. W. Nelson. Original number 2576.

Type Locality: Zapotlan (Ciudad Guzman), [FC: at north base of Sierra Nevada, about 5,000 ft (1,524 m)], Jalisco, Mexico.

Remarks: Published under the skin number 33687, to which skull number 45722 belongs.

***Sylvilagus floridanus similis* Nelson**

Proc. Biol. Soc. Wash. 20: 82, 22 Jul 1907.

= *Sylvilagus floridanus mearnsii* (J. A. Allen, 1894). See Hoffmann and Smith (2005:209).

Holotype: USNM 69517. [Skin and skull]. Adult male. Collected 10 Nov 1894 by C. P. Streater. Original number 4442.

Type Locality: Valentine, [Cherry County], Nebraska.

Remarks: Hoffmann and Smith (2005:209) incorrectly listed *alacer* as the subspecific name for this taxon. This error was caught by R. D. Fisher while reviewing the Hoffmann and Smith manuscript. R. S. Hoffmann agreed that that *mearnsii* should be the valid subspecies, but the correction did not make it into the final publication of Hoffmann and Smith (2005:209).

***Sylvilagus gabbi messorius* Goldman**

Smithson. Misc. Collect. 60(2): 13, 20 Sep 1912b.

= *Sylvilagus gabbi gabbi* (J. A. Allen, 1877). See Ruedas and Salazar-Bravo (2007:68) for current use.

Holotype: USNM 179569. [Skin and skull]. Adult male. Collected 23 May 1912 by E. A. Goldman. Original number 21736.

Type Locality: Cana, altitude 1,800 ft (549 m), [Darien], eastern mountains of Panama.

***Sylvilagus graysoni badistes* Diersing and Wilson**

Smithson. Contrib. Zool. 297: 15, 8 Jan 1980.

= *Sylvilagus graysoni* (J. A. Allen, 1877). See Hoffmann and Smith (2005:210).

Holotype: USNM 512550. Skin and skull. Adult male. Collected 24 Mar 1976 by D. E. Wilson. Original number 3730.

Type Locality: San Juanito Island, Tres Marias Islands, Nayarit, Mexico.

***Sylvilagus mansuetus* Nelson**

Proc. Biol. Soc. Wash. 20: 83, 22 Jul 1907.

Holotype: USNM 79041. [Skin and skull]. Adult [SL: female], not male as in original description. Collected 2 Aug 1895 by J. E. McLellan. Original number [SL: 1444].

Type Locality: San Jose Island, Gulf of California, [Baja California Sur], Mexico.

***Sylvilagus obscurus* Chapman, Cramer, Dippenaar, and Robinson**

Proc. Biol. Soc. Wash. 105: 858, 18 Dec 1992.

Holotype: USNM 567187. Skin, skull, [and one femur]. Adult female. Collected 8 Apr 1974 by J. A. Chapman. Original number DS-58.

Type Locality: Dolly Sods Scenic Area, Grant County, West Virginia.

***Sylvilagus palustris hefneri* Lazell**

J. Mammal. 65: 26, 28 Feb 1984.

Holotype: USNM 555687. Skin, skull, and skeleton. Adult female. Collected 4 Feb 1980 by J. Lazell. Original number [SL: Z-08259].

Type Locality: S. Lower Sugarloaf Key, Monroe County, Florida.

ORDER ERINACEOMORPHA GREGORY, 1910**FAMILY ERINACEIDAE G. FISCHER, 1814****Genus *Atelerix* Pomel, 1848***Erinaceus sotikae* Heller

Smithson. Misc. Collect. 56(15): 1, 23 Dec 1910a.

= *Atelerix albiventris* (Wagner, 1841). See Corbet (1988:149).

Holotype: USNM 162112. [Skin and skull]. Adult male. Collected 28 Jun 1909 by J. A. Loring. Original number 6451.

Type Locality: Guaso Nyiro, Sotik District, [Rift Valley], British East Africa (Kenya).

Genus *Echinosorex* Blainville, 1838*Gymnura gymnura minor* Lyon

Proc. U.S. Natl. Mus. 36: 453, 27 May 1909b.

= *Echinosorex gymnura gymnura* (Raffles, 1822). See Corbet (1988:128).

Holotype: USNM 86783. Skin and skull. Adult male. Collected 12 Jan 1899 by W. L. Abbott. No original number.

Type Locality: Khow Nok Ram (Khao Nok Ra), altitude 2,000 ft (610 m), Trong (Trang), Lower Siam (Thailand).

Genus *Podogymnura* Mearns, 1905*Podogymnura truei* Mearns

Proc. U.S. Natl. Mus. 28: 437, 13 May 1905.

Holotype: USNM 125286. In alcohol, skull removed. Adult female. Collected 25 Jun 1904 by E. A. Mearns. Original number 5667.

Type Locality: Mount Apo, at 6,000 ft (1,829 m), [Davao del Sur], southern Mindanao, Philippine Islands (Philippines).

ORDER SORICOMORPHA GREGORY, 1910**FAMILY NESOPHONTIDAE ANTHONY, 1916****Genus *Nesophontes* Anthony, 1916***Nesophontes hypomicrus* G. S. Miller

Smithson. Misc. Collect. 81(9): 4, 20 Mar 1929.

Holotype: USNM 253077.

This specimen was transferred to the NMNH Paleobiology Department, date unknown.

Nesophontes paramicrus G. S. Miller

Smithson. Misc. Collect. 81(9): 3, 20 Mar 1929.

Holotype: USNM 253063.

This specimen was transferred to the NMNH Paleobiology Department, date unknown.

Nesophontes zamicrus G. S. Miller

Smithson. Misc. Collect. 81(9): 3, 20 Mar 1929.

Holotype: USNM 252090.

This specimen was transferred to the NMNH Paleobiology Department, date unknown.

FAMILY SORICIDAE G. FISCHER, 1814**Genus *Blarina* Gray, 1838***Blarina angusticeps* Baird

Mammals Rep. Explor. Surv. 8(1): 47, 1857.

= *Blarina brevicauda talpoides* (Gapper, 1830). See Hall and Kelson (1959:55). See Webster et al. (2011:37) for current use.

Holotype: USNM 1318/2120, not 2520 as in original description. Skin and skull made from alcohol. Age and sex not given. Collected on unknown date by Z. Thompson. Cataloged [MC: Feb 1856]. Original number [SL: 203].

Type Locality: Burlington, [Chittenden County], Vermont.

Blarina brevicauda knoxjonesi Webster

Contrib. Mammal. p. 52, 5 Sep 1996.

Not listed by Hutterer (2005:269). See Webster et al. (2011:36) for current use.

Holotype: USNM 567349. Skin and skull. Adult male. Collected 16 Nov 1982 by W. D. Webster. Original number 1294. Formerly University of North Carolina, Wilmington 486.

Type Locality: [SL: Dow Road], Carolina Beach, New Hanover County, North Carolina, 34°01'32"N, 77°54'36"W.

Blarina brevicauda shermani Hamilton

Proc. Biol. Soc. Wash. 68: 37, 20 May 1955.

= *Blarina shermani* Hamilton, 1955. See Benedict et al. (2006:1) for current use.

Holotype: USNM 514828. Skin and skull. Adult female. Collected 13 Feb 1954 by W. J. Hamilton, Jr. Original number 4280. Formerly Cornell University number 8026.

Type Locality: Two mi (3.2 km) North Fort Myers, Lee County, Florida.

Blarina carolinensis peninsulae Merriam

N. Am. Fauna 10: 14, 31 Dec 1895a.

See Benedict et al. (2006:1) for current use.

Holotype: USNM 70874. [Skin and skull]. Adult male. Collected 2 Mar 1895 by J. A. Loring. Original number 2777.

Type Locality: [FC: Fork of] Miami River, [FC: 5 mi (8 km) West of Miami], Dade (Miami-Dade) County, Florida.

Blarina telmalestes Merriam

N. Am. Fauna 10: 15, 31 Dec 1895a.

= *Blarina brevicauda talpoides* (Gapper, 1830). See Webster et al. (2011:37) for current use.

Holotype: USNM 71823. [Skin and skull]. Adult female. Collected 6 Jun 1895 by A. K. Fisher. Original number 1775.

Type Locality: Lake Drummond, Dismal Swamp, [Chesapeake/Suffolk City], Virginia.

***Sorex carolinensis* Bachman**

J. Acad. Nat. Sci. Phila. 7: 336, 1837.

= *Blarina carolinensis carolinensis* (Bachman, 1837). See Baird (1857:45).

Neotype: USNM 574157 as designated by Handley and Varn (1994:396). Skin and skull. Adult male. Collected 27 Jul 1989 by C. O. Handley, Jr. and M. Varn. Original number COH 15236.

Type Locality: Beside Awendaw Creek, 3.2 km E Awendaw Post Office, Charleston County, South Carolina.

Genus *Crocidura* Wagler, 1832***Crocidura agadiri* Vesmanis and Vesmanis**

Zool. Abhand. Staat. Mus. Tierk. 36: 67, 30 Apr 1980.

= *Crocidura tarfayaensis* Vesmanis and Vesmanis, 1980. See Hutterer (1987:530).

Holotype: USNM 470588. S, B (skin and skull). Female, age not given. Leg. (Collected) 20 Dec 1969 by M. G. Hearst. Original number 567.

Type Locality: 15 km No. (NE) Tiznit, Agadir Provinz (Province), Marakko (Morocco), 29°49'N, 9°39'W.

***Crocidura alchemillae* Heller**

African Game Trails p. 480, 1910b.

= *Crocidura fumosa* Thomas, 1904. See Dippenaar and Meester (1989:31).

Holotype: USNM 163087. [Skin and skull]. Adult male. Collected 17 Oct 1909 by E. Heller. Original number 1177.

Type Locality: Summit of Aberdare Range, altitude 10,500 ft (3,200 m), [Central Province], British East Africa (Kenya).

***Crocidura aleksandrisi* Vesmanis**

Bonn. Zool. Beitr. 28: 3, May 1977.

Holotype: USNM 325010. [Skin and skull]. Female, age not given. Collected 12 Jun 1962 by G. L. Ranck and J. H. Shaw. Original number JHS 213.

Type Locality: 5 km W Tocra, 32°31'N, 20°34'E, Cyrenaica, [SL: Libya].

***Crocidura alpina* Heller**

Smithson. Misc. Collect. 56(9): 5, 22 Jul 1910c.

= *Crocidura allex* Osgood, 1910. See Hollister (1918b:68).

Holotype: USNM 163089. [Skin and skull]. Adult female. Collected 4 Oct 1909 by J. A. Loring. Original number 7728.

Type Locality: West slope of Mount Kenia (Kenya), altitude 10,000 ft (3,048 m), British East Africa (Kenya).

***Crocidura andamanensis* G. S. Miller**

Proc. U.S. Natl. Mus. 24: 777, 29 May 1902a.

Holotype: USNM 111825. Skin and skull. Adult male. Collected 16 Jan 1901 by W. L. Abbott. Original number 851.

Type Locality: MacPherson Strait, South Andaman Island, [Andaman and Nicobar Islands, India].

***Crocidura beatus* G. S. Miller**

Proc. U.S. Natl. Mus. 38: 392, 19 Aug 1910.

Holotype: USNM 144647. Skin, skull, [and skeleton]. Adult male. Collected 28 May 1906 by E. A. Mearns. Original number 6173.

Type Locality: Summit of Mount Bliss, altitude 5,750 ft (1,753 m), Mindanao, [SL: P. I. (Philippines)].

***Crocidura bolivari tamrinensis* Vesmanis and Vesmanis**

Zool. Abhand. Staat. Mus. Tierk. 36: 41, 30 Apr 1980.

= *Crocidura viaria* (I. Geoffroy, 1834). See Hutterer (1984:209).

Holotype: USNM 476091. S, B (skin and skull). Male, age not given. Leg. (Collected) 11 Apr 1970 by L. W. Robbins. Original number 3007.

Type Locality: 10 km N Tamri, 30°21'N, 9°49'W (Schmidt et al. 2008:34: 30°46'N, 9°50'W), Agadir Provinz (Province), Marakko (Morocco).

***Crocidura caudata* G. S. Miller**

Proc. Biol. Soc. Wash. 14: 42, 25 Apr 1901c.

= *Crocidura sicula sicula* G. S. Miller, 1901. See Vogel et al. (1989:246).

Holotype: USNM 103302. In alcohol, [skull removed]. Young adult female. Collected 21 Jun 1900 by D. Coolidge. Original number 1365.

Type Locality: Palermo, Sicily (Sicilia), [Italy].

***Crocidura chaouianensis* Vesmanis and Vesmanis**

Zool. Abhand. Staat. Mus. Tierk. 36: 64, 30 Apr 1980.

= *Crocidura russula yebalensis* Cabrera, 1913. See Hutterer (1987:529).

Holotype: USNM 476081. S, B (skin and skull). Female, age not given. Leg. (Collected) 23 Apr 1970 by L. W. Robbins. Original number 3152.

Type Locality: 3 km N Settatt, 33°02'N, 7°46'W (Schmidt et al. 2008:34; 33°02'N, 07°37'W), Settatt Provinz (Province), Marokko (Morocco).

***Crocidura daphnia* Hollister**

Smithson. Misc. Collect. 66(8): 1, 23 May 1916a.

= *Crocidura olivieri nyansae* Neumann, 1900. See Hutterer (2005:244).

Holotype: USNM 164898. Skin and skull. Adult female. Collected 19 Feb 1910 by J. A. Loring. Original number 9009.

Type Locality: Gondokoro, [Central Equatoria], Uganda (South Sudan).

***Crocidura elongata* Miller and Hollister**

Proc. Biol. Soc. Wash. 34: 101, 30 Jun 1921.

Holotype: USNM 217534. Skin and skull. Adult male. Collected 1 Aug 1916 by H. C. Raven. Original number 2790.

Type Locality: Temboan, southwest from Tondano Lake, [Sulawesi Utara], northeastern Celebes (Sulawesi), [Indonesia].

Crocidura essaouiranensis Vesmanis and Vesmanis

Zool. Abhand. Staat. Mus. Tierk. 36: 61, 30 Apr 1980.
 = *Crocidura whitakeri* de Winton, 1897. See Hutterer (1987:530).
 Holotype: USNM 485839. S, B (skin and skull). Male, age not given. Leg. (Collected) 2 Mar 1972 by H. L. Norman. Original number 555.
 Type Locality: 5 km no. (NE) Essaouira, 31°31'N, 9°46'W, Safi Provinz (Province), Marokko (Morocco).

Crocidura gouliminensis Vesmanis and Vesmanis

Zool. Abhand. Staat. Mus. Tierk. 36: 52, 30 Apr 1980.
 = *Crocidura tarfayaensis* Vesmanis and Vesmanis, 1980. See Hutterer (1987:530).
 Holotype: USNM 482864. S, B (skin and skull), Female, age not given. Leg. (Collected) 24 Jun 1971 by R. E. Vaden. Original number 6706.
 Type Locality: 28 km SW Goulimine, 28°46'N, 10°14'W, Agadir Provinz (Province), Marokko (Morocco).

Crocidura grandis G. S. Miller

Proc. U.S. Natl. Mus. 38: 393, 19 Aug 1910.
 Holotype: USNM 144648. Skin and skull. Adult male. Collected 3 Jun 1906 by E. A. Mearns. Original number 6181.
 Type Locality: [FC: McMurray Flats], Grand Malindang Mountain, altitude 6,100 ft (1,859 m), [Misamis Occidental Province], Mindanao, [SL: P. I. (Philippines)].

Crocidura grisea A. B. Howell

Proc. Biol. Soc. Wash. 39: 137, 27 Dec 1926.
 = *Crocidura attenuata* Milne-Edwards, 1872. See G. M. Allen (1938:122).
 Holotype: USNM 238229. Skin and skull. Adult female. Collected 23 Nov 1921 by A. de C. Sowerby. Original number 1076.
 Type Locality: 75 mi (121 km) southwest of Yeng-ping-fu (Nanping), Fukien (Fujian), China.

Crocidura grisescens A. B. Howell

J. Mammal. 9: 60, 9 Feb 1928d.
 = *Crocidura attenuata* Milne-Edwards, 1872. See Jiang and Hoffmann (2001:1068).
 Holotype: USNM 252187. Skin and skull. Adult female. Collected on unknown date by F. T. Smith. [MC: Cataloged 1 Jul 1927]. Original number 89.
 Type Locality: Kuantun (Guadun?), Fukien (Fujian), China.

Crocidura halconus G. S. Miller

Proc. U.S. Natl. Mus. 38: 391, 19 Aug 1910.
 = *Crocidura grayi* Dobson, 1890. See Heaney et al. (1987:36).
 Holotype: USNM 144652. Skin and skull. Young adult female. Collected 18 Nov 1906 by E. A. Mearns. Original number 6316.
 Type Locality: [FC: Posey Flats], Spur of main ridge of Mount Halcon, altitude 6,300 ft (1,920 m), [Oriental Mindoro], Mindoro, [SL: P. I. (Philippines)].

Crocidura heljanensis safii Vesmanis and Vesmanis

Zool. Abhand. Staat. Mus. Tierk. 36: 49, 30 Apr 1980.
 = *Crocidura russula yebalensis* Cabrera, 1913. See Hutterer (1987:529).
 Holotype: USNM 476078. S, B (skin and skull). Male, age not given. Leg. (Collected) 16 Apr 1970 by M. G. Hearst. Original number 1442.
 Type Locality: 13 km S Safi, 32°11'N, 9°15'W, Safi Provinz (Province), Marokko (Morocco).

Crocidura hildegardeae altae Heller

Smithson. Misc. Collect. 60(12): 9, 4 Nov 1912a.
 = *Crocidura hildegardeae* Thomas, 1904. Subspecies not recognized by Hutterer (2005:234).
 Holotype: USNM 181819. Skin and skull. Adult male. Collected 31 Aug 1911 by E. Heller. Original number 4190.
 Type Locality: [SL: North Creek], altitude 6,000 ft (1,829 m), Mount Garguez (Warges), Mathews Range, [Rift Valley], British East Africa (Kenya).

Crocidura hildegardeae procera Heller

Smithson. Misc. Collect. 60(12): 10, 4 Nov 1912a
 = *Crocidura hildegardeae* Thomas, 1904. Subspecies not recognized by Hutterer (2005:234).
 Holotype: USNM 181820. [Skin and skull]. Adult female. Collected 9 Sep 1911 by E. Heller. Original number 4274.
 Type Locality: Summit of Mount Lololokui altitude 6,000 ft (1,829 m), northern Guaso Nyiro district, British East Africa (Kenya).

Crocidura horsfieldi kurodai Jameson and Jones

Proc. Biol. Soc. Wash. 90: 461, 17 Oct 1977.
 = *Crocidura rapax kurodai* Jameson and Jones, 1977. See Hutterer (2005:247).
 Holotype: USNM 358115. Skin and skull. Adult female. Collected Jan 1969 by G. S. Jones. Original number T1451.
 Type Locality: Linkou, [SL: 25°05'N, 121°23'E], Taipei Hsien, Taiwan.

Crocidura lea Miller and Hollister

Proc. Biol. Soc. Wash. 34: 102, 30 Jun 1921.
 Holotype: USNM 217553. Skin and skull. Adult male. Collected 3 Aug 1916 by H. C. Raven. Original number 2837.
 Type Locality: Temboan, [Sulawesi Utara], northeastern Celebes (Sulawesi), [Indonesia].

Crocidura lepidura Lyon

Proc. U.S. Natl. Mus. 34: 662, 14 Sep 1908.
 Holotype: USNM 123140. Skin and skull. Adult female. Collected 1 Sep 1903 by W. L. Abbott. Original number 2772.
 Type Locality: Kateman River, [Riau], eastern Sumatra, [Indonesia].

Crocidura levicula Miller and Hollister

Proc. Biol. Soc. Wash. 34: 103, 30 Jun 1921.

Holotype: USNM 219450. Skin and skull. Adult female. Collected 13 Feb 1918 by H. C. Raven. Original number 3521. Type Locality: Pinedapa, [Sulawesi Tengah], Middle Celebes (Sulawesi), [Indonesia].

***Crocidura lignicolor* G. S. Miller**

Proc. Wash. Acad. Sci. 2: 39, 30 Mar 1900b.
= *Crocidura gmelini* (Pallas, 1811). See Hoffmann (1996:161).
Holotype: USNM 62180. Skin [and skull]. Adult female. Collected 10 Jan 1894 by [MC: W. L. Abbott]. No original number.
Type Locality: Jungles east of Maralbashi near the Yarkand River, eastern Turkestan (Xinjiang, China).

***Crocidura littoralis* Heller**

Smithson. Misc. Collect. 56(15): 5, 23 Dec 1910a.
Holotype: USNM 164642. [Skin and skull]. Adult male. Collected 6 Jan 1910 by J. A. Loring. Original number 8598.
Type Locality: Butiaba, east shore of Albert Nyanza, [Bulisa], Uganda.

***Crocidura longipes* Hutterer and Happold**

Bonn. Zool. Monogr. 18: 53, 1983.
Holotype: USNM 402309. Skin and skull. Adult male. Collected 2 Jun 1967, not Jul as in original description, by J. C. Geest. Original number [SL: 3534].
Type Locality: Dada, 11°34'N, 4°29'E, [SL and FC: Northern Region (Kebbi)], western Nigeria.

***Crocidura lutrella* Heller**

Smithson. Misc. Collect. 56(15): 4, 23 Dec 1910a.
= *Crocidura parvipes* Osgood, 1910. See Hutterer (1986:31).
Holotype: USNM 164640. [Skin and skull]. Adult male. Collected 14 Jan 1910 by J. A. Loring. Original number 8729.
Type Locality: Rhino Camp, Lado Enclave, [Arua, Uganda].

***Crocidura lutreola* Heller**

Smithson. Misc. Collect. 60(12): 8, 4 Nov 1912a.
= *Crocidura hildegardae* Thomas, 1904. See Hollister (1918b:64).
Holotype: USNM 181818. [Skin and skull]. Adult female. Collected 6 Nov 1911 by E. Heller. Original number 4635.
Type Locality: [SL: Summit] Mount Mbololo, Taita Hills, altitude 5,000 ft (1,524 m), [Coast Province], British East Africa (Kenya).

***Crocidura maanjae* Heller**

Smithson. Misc. Collect. 56(15): 4, 23 Dec 1910a.
= *Crocidura hildegardae* Thomas, 1904. See Cabrera (1925:152).
Holotype: USNM 164639. [Skin and skull]. Adult male. Collected 27 Dec 1909 by J. A. Loring. Original number 8502.
Type Locality: Kabula Muliro (Kabulamuliro), [Mityana], [SL: Uganda].

***Crocidura mesatanensis* Vesmanis and Vesmanis**

Zool. Abhand. Staat. Mus. Tierk. 36: 69, 30 Apr 1980.
= *Crocidura whitakeri* de Winton, 1897. See Hutterer (1987:530).
Holotype: USNM 476088. S, B (skin and skull). Female, age not given. Leg. (Collected) 30 Apr 1970 by M. G. Hearst. Original number 1582.
Type Locality: 10 km S Oued Zem, 32°46'N, 6°35'W, Khouribga Provinz (Province), Marakko (Morocco).

***Crocidura mimula* G. S. Miller**

Proc. Biol. Soc. Wash. 14: 95, 27 Jun 1901d.
See Bannikova et al. (2006:118) for current use.
Holotype: USNM 105801. Skin and skull. Adult female. Collected 1 Dec 1900 by E. H. Zollikofer. Original number 192.
Type Locality: Zuberwangen, St. (Sankt) Gallen, Switzerland.

***Crocidura mindorus* G. S. Miller**

Proc. U.S. Natl. Mus. 38: 392, 19 Aug 1910.
Holotype: USNM 144654. Skin, skull, [and body in alcohol]. Young adult male. Collected 19 Nov 1906 by E. A. Mearns. Original number 6321.
Type Locality: [FC: Posey Flats], summit main ridge of Mount Halcon, altitude 6,300 ft (1,920 m), [Oriental Mindoro], Mindoro, [Philippines].

***Crocidura mutesae* Heller**

Smithson. Misc. Collect. 56(15): 3, 23 Dec 1910a.
Holotype: USNM 164636, not 174636 as in original description. [Skin and skull]. Adult female. Collected 22 Dec 1909 by J. A. Loring. Original number 8430.
Type Locality: Kampala, [Kampala], Uganda.

***Crocidura nicobarica* G. S. Miller**

Proc. U.S. Natl. Mus. 24: 776, 29 May 1902a.
Holotype: USNM 111788. In alcohol, [skull removed]. Adult female. Collected 15 Mar 1901 by W. L. Abbott. Original number 931.
Type Locality: Great Nicobar Island, [Andaman and Nicobar Islands, India].

***Crocidura nigripes* Miller and Hollister**

Proc. Biol. Soc. Wash. 34: 101, 30 Jun 1921.
= *Crocidura nigripes nigripes* Miller and Hollister, 1921.
Holotype: USNM 217545. Skin and skull. Adult male. Collected 4 Aug 1916 by H. C. Raven. Original number 2866.
Type Locality: Temboan, southwest from Tondano Lake, [Sulawesi Utara], northeastern Celebes (Sulawesi), [Indonesia].

***Crocidura nigripes lipara* Miller and Hollister**

Proc. Biol. Soc. Wash. 34: 101, 30 Jun 1921.
Holotype: USNM 219444. Skin and skull. Adult male. Collected 2 Sep 1917 by H. C. Raven. Original number 3207.
Type Locality: Gimpoe (Gimpu), [Sulawesi Tengah], Middle Celebes (Sulawesi), [Indonesia].

***Crocidura nilotica* Heller**

Smithson. Misc. Collect. 56(15): 3, 23 Dec 1910a.
 = *Crocidura nigrofusca* Matschie, 1895. See Hutterer (1993:91).
 Holotype: USNM 164638. [Skin and skull]. Adult female. Collected 17 Jan 1910 by J. A. Loring. Original number 8768.
 Type Locality: Rhino Camp, Lado Enclave, [Arua, Uganda].

***Crocidura parvipes nisa* Hollister**

Smithson. Misc. Collect. 66(8): 2, 23 May 1916a.
 = *Crocidura parvipes* Osgood, 1910. See Hutterer (2005:245).
 Holotype: USNM 182440. Skin and skull. Adult female. Collected 20 Jan 1912 by E. Heller. Original number 5126.
 Type Locality: Kibabe, Kisumu, [Nyanza], British East Africa (Kenya).

***Crocidura pergrisea* G. S. Miller**

Proc. Biol. Soc. Wash. 26: 113, 3 May 1913c.
 Holotype: USNM 175918. Skin and skull. Adult female. Collected 16 Oct 1912 by W. L. Abbott. Original number 8036.
 Type Locality: Skoro Loomba, [FC: valley to Shigar], altitude 9,500 ft (2,896 m), Shigar, Baltistan (Gilgit-Baltistan), [Pakistan].

***Crocidura planiceps* Heller**

Smithson. Misc. Collect. 56(15): 5, 23 Dec 1910a.
 Holotype: USNM 164641. [Skin and skull]. Adult male. Collected 23 Jan 1910 by J. A. Loring. Original number 8837.
 Type Locality: Rhino Camp, Lado Enclave, [Arua, Uganda].

***Crocidura pullata* G. S. Miller**

Proc. Biol. Soc. Wash. 24: 241, 28 Nov 1911c.
 Holotype: USNM 173213. Skin and skull. Adult male. Collected 9 Oct 1910 by W. L. Abbott. Original number 7421.
 Type Locality: [FC: Saagam], Kotihar [FC: Valley], altitude 7,000 ft (2,134 m), [Jammu and Kashmir, India].

***Crocidura raineyi* Heller**

Smithson. Misc. Collect. 60(12): 7, 4 Nov 1912a.
 Holotype: USNM 181817. [Skin and skull]. Adult male. Collected Sep 1911 by E. Heller. Original number 4195.
 Type Locality: [SL: North Creek], Mount Garguez (Warges), Mathews Range, altitude 6,000 ft (1,829 m), [Rift Valley], British East Africa (Kenya).

***Crocidura rhoditis* Miller and Hollister**

Proc. Biol. Soc. Wash. 34: 102, 30 Jun 1921.
 Holotype: USNM 217550. Skin and skull. Adult male. Collected 3 Aug 1916 by H. C. Raven. Original number 2834.
 Type Locality: Temboan, [Sulawesi Utara], northeastern Celebes (Sulawesi), [Indonesia].

***Crocidura russula hosletti* Jameson and Jones**

Proc. Biol. Soc. Wash. 90: 465, 17 Oct 1977.
 = *Crocidura shantungensis quelpartis* Kuroda, 1934. See Jiang and Hoffmann (2001:1072).

Holotype: USNM 398640. Skin and skull. Adult male. Collected 11 Oct 1963 by E. W. Jameson, Jr. Original number 1150.
 Type Locality: 10 mi (16 km) W Taichung, Taichung Hsien, Taiwan.

***Crocidura shantungensis* G. S. Miller**

Proc. Biol. Soc. Wash. 14: 158, 9 Aug 1901e.
 = *Crocidura shantungensis shantungensis* G. S. Miller, 1901.
 Holotype: USNM 86151. Skin and skull. Adult, sex not given. Collected Jun 1898 by P. D. Bergen. No original number.
 Type Locality: Chimeh, Shantung (Shandong), northern China.

***Crocidura sicula* G. S. Miller**

Proc. Biol. Soc. Wash. 14: 41, 25 Apr 1901c.
 = *Crocidura sicula sicula* G. S. Miller, 1901.
 Holotype: USNM 103301. Skin and skull. Adult male. Collected 20 Jun 1900 by D. Coolidge. Original number 1332.
 Type Locality: Palermo, Sicily (Sicilia), [Italy].

***Crocidura simiolus* Hollister**

Smithson. Misc. Collect. 66(8): 3, 23 May 1916a.
 = *Crocidura zaphiri* Dollman, 1915. See Osgood (1936:224).
 Holotype: USNM 197959. Skin and skull. Adult female. Collected 25 Sep 1913 by H. J. A. Turner. Original number 3.
 Type Locality: Kisumu, [Nyanza], British East Africa (Kenya).

***Crocidura suabelae* Heller**

Smithson. Misc. Collect. 60(12): 6, 4 Nov 1912a.
 = *Crocidura viaria* (E. Geoffroy, 1834). See Hutterer (1984:209).
 Holotype: USNM 181815. [Skin and skull]. Adult male. Collected 17 Dec 1911 by E. Heller. Original number 4875.
 Type Locality: Mazeras, [Coast Province], British East Africa (Kenya).

***Crocidura sururrae* Heller**

Smithson. Misc. Collect. 56(15): 2, 23 Dec 1910a.
 = *Crocidura olivieri sururrae* Heller, 1910. See Hutterer (2005:244).
 Holotype: USNM 164637. [Skin and skull]. Adult male. Collected 18 Jan 1910 by J. A. Loring. Original number 8777.
 Type Locality: Rhino Camp, Lado Enclave, [Arua, Uganda].

***Crocidura tarfayaensis* Vesmanis and Vesmanis**

Zool. Abhand. Staat. Mus. Tierk. 36: 47, 30 Apr 1980.
 Holotype: USNM 470590. S, B (skin and skull). Female, age not given. Leg. (Collected) 5 Dec 1969 by L. W. Robbins. Original number 2088.
 Type Locality: 8 km S Tarfaya, 27°50'N, 12°30'W (Schmidt et al. 2008:34: 27°53'N, 12°52'W), Tarfaya Provinz (Province), Morokko (Morocco).

***Crocidura tiznitensis* Vesmanis and Vesmanis**

Zool. Abhand. Staat. Mus. Tierk. 36: 54, 30 Apr 1980.
 = *Crocidura tarfayaensis* Vesmanis and Vesmanis, 1980. See Hutterer (1987:530).

Holotype: USNM 470589. S, B (skin and skull). Male, age not given. Leg. (Collected) 20 X [SL and FC: Dec] 1969 by L. W. Robbins. Original number 2241.

Type Locality: 15 km no. (NE) Tiznit, 29°49'N, 9°39'W, Agadir Provinz (Province), Marokko (Morocco).

***Crocidura turba lakiundae* Heller**

Smithson. Misc. Collect. 60(12): 6, 4 Nov 1912a.

= *Crocidura nigrofusca* Matschie, 1895. See Hutterer (1993:91).

Holotype: USNM 181816. [Skin and skull]. Adult female. Collected 12 Jul 1911 by E. Heller. Original number 1986.

Type Locality: Lakiundu River, near its junction with the Northern Guaso Nyiro River, British East Africa (Kenya).

***Crocidura zaianensis* Vesmanis and Vesmanis**

Zool. Abhand. Staat. Mus. Tierk. 36: 62, 30 Apr 1980.

= *Crocidura whitakeri* de Winton, 1897. See Hutterer (1987:530).

Holotype: USNM 476071. S, B (skin and skull). Female, age not given. Leg. (Collected) 27 Apr 1970 by R. E. Vaden. Original number 5982.

Type Locality: 5 km N Ben-Slimane, 33°39'N, 7°08'W, Settat Provinz (Province), Marokko (Morocco).

***Heliosorex roosevelti* Heller**

Smithson. Misc. Collect. 56(15): 6, 23 Dec 1910a.

= *Crocidura roosevelti* (Heller, 1910). See Hollister (1918b:68).

Holotype: USNM 164643. [Skin and skull]. Adult male, not female as in original description. Collected 21 Jan 1910 by J. A. Loring. Original number 8812.

Type Locality: Rhino Camp, Lado Enclave, [Arua, Uganda].

***Myosorex muricauda* G. S. Miller**

Proc. Wash. Acad. Sci. 2: 645, 28 Dec 1900c.

= *Crocidura muricauda* (G. S. Miller, 1900). See Hollister (1916b:669).

Holotype: USNM 83809. In alcohol, [skull removed]. Adult male. Collected 5 Apr 1897 by [SL: R. P. Currie]. Original number 32.

Type Locality: Mount Coffee, [Montserrado], Liberia, Africa.

Genus *Cryptotis* Pomel, 1848

***Blarina alticola* Merriam**

N. Am. Fauna 10: 27, 31 Dec 1895a.

= *Cryptotis alticola* (Merriam, 1895). See G. S. Miller (1912b:27).

Holotype: USNM 52047. [Skin and skull]. Adult male. Collected 25 Feb 1893 by E. W. Nelson. Original number 4396.

Type Locality: Mount Popocatepetl, 11,500 ft (3,505 m), [SL: Mexico], Mexico.

***Blarina berlandieri* Baird**

Mammals Rep. Explor. Surv., 8(1): 53, 1857.

= *Cryptotis parvus berlandieri* (Baird, 1857). See Davis (1941:413).

Lectotype: USNM 2159 as designated by Lyon and Osgood (1909:327). In alcohol, [Poole and Schantz (1942:175): skull

removed Apr 1936]. Age and sex not given. [MC: Prepared by J. L. Berlandier] and [Lyon and Osgood (1909:237): probably collected by him]. Date of collection not given. Received from D. N. Couch. [MC: Cataloged 14 Feb 1857].

Type Locality: Vicinity of Matamoras (Matamoros), [Tamaulipas], Mexico.

Remarks: No type was designated in the original description.

Baird (1857:55) listed four specimens. Lyon and Osgood designated USNM 2159 as the type = lectotype (ICZN, 1999: Article 74.5) because it was figured.

***Blarina exilipes* Baird**

Mammals Rep. Explor. Surv., 8(1): 51, 1857.

= *Cryptotis parvus parvus* (Say, 1823). See Merriam (1895a:17).

Lectotype: USNM 2157 as designated by Lyon and Osgood (1909:327). In alcohol, [Poole and Schantz (1942:175): skull removed Apr 1936], but remains in alcohol. Age and sex not given. Collected by B. L. C. Wailes, date unknown. [MC: Cataloged 14 Feb 1857].

Type Locality: Washington, [Adams County], Mississippi.

Remarks: No type was designated in the original description.

Baird (1857:53) listed eight specimens. Lyon and Osgood designated USNM 2157 as the type = lectotype (ICZN, 1999: Article 74.5) because it was figured.

***B[larina]. eximius* Baird**

Mammals Rep. Explor. Surv., 8(1): 52, 1857.

= *Cryptotis parvus parvus* (Say, 1823). See Merriam (1895a:17).

Syntypes: USNM 639/1790. Skin [cannot be found] and skull.

Male, age not given. Obtained from G. Engleman, date unknown. [MC: Cataloged 19 Apr 1855. Original number 42].

USNM 2166/3109. Skin and skull. Age and sex not given. Obtained from R. Kennicott, date unknown. [MC: Skin cataloged 17 Feb 1858; skull Feb or Mar 1857]. No original number.

Type Locality: Saint Louis, [Saint Louis City], Missouri and DeKalb County, Illinois.

Remarks: Baird (1857:52 and 53) based this taxon solely on the two specimens listed above. They are therefore syntypes (ICZN, 1999: Article 73.2) and the type locality encompasses both localities (ICZN, 1999: Article 73.2.3).

***Blarina floridana* Merriam**

N. Am. Fauna 10: 19, 31 Dec 1895a.

= *Cryptotis parvus floridanus* (Merriam, 1895). See Harper (1927:270).

Holotype: USNM 16510/23937. [In alcohol, skull removed].

Age and sex not given. Collected 22 Apr 1889 by M. M. Green. Original number 44.

Type Locality: Chester Shoal, 11 mi (18 km) north of Cape Canaveral, Brevard County, Florida.

***Blarina fossor* Merriam**

N. Am. Fauna 10: 28, 31 Dec 1895a.

= *Cryptotis goldmani machetes* (Merriam, 1895). See Hutterer (2005:271).

Holotype: USNM 68545. [Skin and skull]. Adult female. Collected 10 Jul 1894 by E. W. Nelson and E. A. Goldman. Original number 6419.

Type Locality: Mount Zempoaltepec, altitude 10,500 ft (3,200 m) [FC: 8,200 ft (2,499 m)], Oaxaca, Mexico.

***Blarina magna* Merriam**

N. Am. Fauna 10: 28, 31 Dec 1895a.

= *Cryptotis magnus* (Merriam, 1895). See G. S. Miller (1912b:28).

Holotype: USNM 68575. [Skin and skull]. Old male. Collected 24 Jul 1894 by E. W. Nelson and E. A. Goldman. Original number 6493.

Type Locality: Totontepec, altitude 6,800 ft (2,073 m), Oaxaca, [SL: Mexico].

***Blarina mayensis* Merriam**

Proc. Wash. Acad. Sci. 3: 559, 29 Nov 1901b.

= *Cryptotis mayensis* (Merriam, 1901). See G. S. Miller (1912b:26).

Holotype: USNM 108087. [Skin and skull]. Adult female. Collected 5 Feb 1901 by E. W. Nelson and E. A. Goldman. Original number 14495.

Type Locality: Maya ruin at Chichenitza (Chichen Itza), Yucatan, [SL: Mexico].

***Blarina (Soriciscus) mexicana* Coues**

Bull. U.S. Geol. and Geogr. Surv. Terr. 3: 652, 15 May 1877.

= *Cryptotis mexicanus* (Coues, 1877). See G. S. Miller (1911d:221).

Holotype: USNM 3525/4438. Skin and skull. Age and sex not given. Collected by R. Montes de Oca, date not given. [MC: Skin cataloged 18 Mar 1859; skull Sep 1861]. No original number.

Type Locality: Xalapa, [Veracruz], Mexico.

***Blarina mexicana goldmani* Merriam**

N. Am. Fauna 10: 25, 31 Dec 1895a.

= *Cryptotis goldmani goldmani* (Merriam, 1895). See Choate (1970:247).

Holotype: USNM 70244. [Skin and skull]. Young adult male. Collected 23 Dec 1894 by E. W. Nelson and E. A. Goldman. Original number 7231.

Type Locality: Mountains near Chilpancingo, altitude 10,000 ft (3,048 m) [FC: 9,600 ft (2,926 m)], Guerrero, Mexico.

***Blarina mexicana machetes* Merriam**

N. Am. Fauna 10: 26, 31 Dec 1895a.

= *Cryptotis goldmani machetes* (Merriam, 1895). See Hutterer (2005:271).

Holotype: USNM 71456. [Skin and skull]. Adult female. Collected 26 Mar 1895 by E. W. Nelson and E. A. Goldman. Original number 7723.

Type Locality: Mountains near Ozolotepec, altitude 10,000 ft (3,048 m), Oaxaca, [SL: Mexico].

***Blarina mexicana peregrina* Merriam**

N. Am. Fauna 10: 24, 31 Dec 1895a.

= *Cryptotis peregrinus* (Merriam, 1895). See Woodman and Timm (1999:1).

Holotype: USNM 68317. [Skin and skull]. Adult male. Collected 12 Sep 1894 by E. W. Nelson and E. A. Goldman. Original number 6748.

Type Locality: Mountains 15 mi (24 km) west of Oaxaca, altitude 9,500 ft (2,896 m), [SL: Oaxaca], Mexico.

***Blarina nelsoni* Merriam**

N. Am. Fauna 10: 26, 31 Dec 1895a.

= *Cryptotis nelsoni* (Merriam, 1895). See G. S. Miller (1912b:27).

Holotype: USNM 65437. [Skin and skull]. Adult [SL: female]. Collected 13 May 1894 by E. W. Nelson and E. A. Goldman. Original number 6253.

Type Locality: Volcano of Tuxtla (Volcan Tuxtla), altitude 4,800 ft (1,463 m), Veracruz, Mexico.

***Blarina obscura* Merriam**

N. Am. Fauna 10: 23, 31 Dec 1895a.

= *Cryptotis obscurus* (Merriam, 1895). See G. S. Miller (1912b:26).

Holotype: USNM 55634. [Skin and skull]. Young adult female. Collected 27 Aug 1893 by E. W. Nelson. Original number 5377.

Type Locality: Tulancingo, altitude 8,500 ft (2,591 m), Hidalgo, Mexico.

***Blarina soricina* Merriam**

N. Am. Fauna 10: 22, 31 Dec 1895a.

= *Cryptotis parvus soricinus* (Merriam, 1895). See Choate (1970:267).

Holotype: USNM 50762. [Skin and skull]. Adult male. Collected 5 Dec 1892 by E. W. Nelson. Original number 3989.

Type Locality: Tlalpam, Valley of Mexico, [Miller and Rehn (1901:247): 10 mi (16 km) south of the city of Mexico], altitude 7,600 ft (2,317 m), [SL and FC: DF (Distrito Federal)], [Mexico].

***Cryptotis frontalis* G. S. Miller**

Proc. Biol. Soc. Wash. 24: 222, 31 Oct 1911d.

= *Cryptotis goldmani machetes* (Merriam, 1895). See Hutterer (2005:271).

Holotype: USNM 123429. In alcohol, [skull removed]. Adult female. Collected [Poole and Schantz (1942:176): about 1870] by F. Sumichrast. No original number.

Type Locality: Near Tehuantepec City, [Oaxaca], Mexico.

***Cryptotis goodwini* Jackson**

Proc. Biol. Soc. Wash. 46: 81, 27 Apr 1933.

Holotype: USNM 77074. Skin and skull. Adult male. Collected 13 Jan 1896 by E. W. Nelson and E. A. Goldman. Original number 9073.

Type Locality: Calel, altitude 10,200 ft (3,109 m), [Quezaltenango], Guatemala.

***Cryptotis gracilis* G. S. Miller**

Proc. Biol. Soc. Wash. 24: 221, 31 Oct 1911d.

Holotype: USNM 12236/38471. Skin and skull. Adult, sex not given. Collected on unknown date by W. M. Gabb. [MC: Skin cataloged 19 Nov 1874; skull between 21 Mar and 31 May 1911]. No original number.

Type Locality: Head of Lari River, near base of Pico Blanco, altitude about 6,000 ft (1,829 m), Talamanca, [Puntarenas], Costa Rica.

***Cryptotis griseoventris* Jackson**

Proc. Biol. Soc. Wash. 46: 80, 27 Apr 1933.

Holotype: USNM 75894. Skin and skull. Adult male. Collected 4 Oct 1895 by E. W. Nelson and E. A. Goldman. Original number 8545.

Type Locality: San Cristobal, altitude 9,500 ft (2,896 m), Chiapas, Mexico.

***Cryptotis guerrerensis* Jackson**

Proc. Biol. Soc. Wash. 46: 80, 27 Apr 1933.

= *Cryptotis goldmani goldmani* (Merriam, 1895). See Choate (1970:247).

Holotype: USNM 126895. Skin and skull. Adult female. Collected 17 May 1903 by E. W. Nelson and E. A. Goldman. Original number 16429.

Type Locality: Omilteme (Omiltemi), altitude about 8,000 ft (2,438 m), Guerrero, Mexico.

***Cryptotis jacksoni* Goodwin**

Am. Mus. Novit. 1267: 1, 10 Dec 1944.

= *Cryptotis gracilis* G. S. Miller, 1911. See Choate (1970:281).

Holotype: USNM 116649. Adult female. Skin and skull. Collected 27 Feb 1902 by M. Cary. Original number [SL: 540. 3549-X].

Type Locality: [XC: Estancia Jimenez], Volcan Irazu, [SL: Costa Rica].

***Cryptotis lacertosus* Woodman**

J. Mammal. 91: 576, 16 Jun 2010.

Holotype: USNM 569443. Skin and skull. Adult female. Collected 30 Jul 2005 by W. Bulmer, R. P. Eckerlin, and J. O. Matson. Original number JOM 7124.

Type Locality: 5 km SW San Mateo Ixtatan, 3,110 m, [FC: 15°48.604'N, 91°30.326'W], Huehuetenango, Guatemala.

***Cryptotis mam* Woodman**

J. Mammal. 91: 573, 16 Jun 2010.

Holotype: USNM 77053. Skin and skull. Adult male. Collected 27 Dec 1895 by E. W. Nelson and E. A. Goldman. Original number 8908.

Type Locality: Above Todos Santos Cuchumatán, approximately 10,000 ft (3,048 m), approximately 15°36'N, 91°37'W, Huehuetenango, Guatemala.

***Cryptotis merus* Goldman**

Smithson. Misc. Collect. 60(2): 17, 20 Sep 1912b.

Holotype: USNM 178976. [Skin and skull]. Adult male. Collected 2 May 1912 by E. A. Goldman. Original number 21669.

Type Locality: Near head of Rio Limon, Mount Pirri, altitude 4,500 ft (1,372 m), [Darien], eastern Panama.

***Cryptotis nigrescens merriami* Choate**

Univ. Kans. Publ., Mus. Nat. Hist. 19: 277, 30 Dec 1970.

= *Cryptotis merriami* Choate, 1970. See Woodman and Timm (1993:14).

Holotype: USNM 77050. Skin and skull. Adult female. Collected 21 Dec 1895 by E. W. Nelson and E. A. Goldman. Original number 8846.

Type Locality: Jacaltenango, 5,400 ft (1,646 m), Huehuetenango, Guatemala.

***Cryptotis oreoryctes* Woodman**

Zool. J. Linn. Soc. 163: 1280, 25 Nov 2011.

Holotype: USNM 569877. Skin, skull, and partial skeleton. Adult female. Collected 4 i (Jan) 2007 by N. Woodman. Original number J. O. Matson 7288.

Type Locality: Chelemha Cloud Forrest Reserve, [SL: Yaliju Mountain], 2,090 m.a.m.s.l. (m), about 15°23'N, 90°04'W, Alta Verapaz, Guatemala.

***Cryptotis pergracilis macer* G. S. Miller**

Proc. Biol. Soc. Wash. 24: 223, 31 Oct 1911d.

= *Cryptotis parvus berlandieri* (Baird, 1857). See Choate (1970:260).

Holotype: USNM 15565/38494. In alcohol, [skull removed]. Adult female. Collected on unknown date by A. Duges. [MC: Skin cataloged 19 Oct 1886; skull 30 Aug 1911]. Original number [MC: 103].

Type Locality: Near Guanajuato city, [Guanajuato], Mexico.

***Cryptotis pergracilis nayaritensis* Jackson**

Proc. Biol. Soc. Wash. 46:79, 27 Apr 1933.

= *Cryptotis parvus berlandieri* (Baird, 1857). See Choate (1970:260).

Holotype: USNM 88015. Skin and skull. Adult male. Collected 13 Apr 1897 by E. W. Nelson and E. A. Goldman. Original number 10902.

Type Locality: Tepic, altitude 3,000 ft (914 m), Nayarit, Mexico.

***Cryptotis pergracilis pueblensis* Jackson**

Proc. Biol. Soc. Wash. 46:79, 27 Apr 1933.

= *Cryptotis parvus pueblensis* Jackson, 1933. See Choate (1970:264).

Holotype: USNM 92720. Skin and skull. Adult male. Collected 6 Jan 1898 by E. A. Goldman. Original number Nelson and Goldman 12014.

Type Locality: Huachinango, altitude 5,000 ft (1,524 m), Puebla, Mexico.

***Cryptotis tamensis* Woodman**

Proc. Biol. Soc. Wash. 115: 254, 2 Jul 2002.

Holotype: USNM 418567. Skin, skull, and body in fluid. Adult female. Collected 8 Mar 1968 by the Smithsonian Venezuelan Project team led by N. E. Peterson. Original number SVP 21863.

Type Locality: Near Paramo de Tama, 7°27'N, 72°26'W, 2,415m, 35 km S, 22 km W of San Cristobal, reported as 41 km SW San Cristobal and 12 km SSE Las Delicias by Handley (1976:64), Buena Vista, State of Tachira, Venezuela.

Cryptotis zeteki Setzer

J. Wash. Acad. Sci. 40: 299, 15 Sep 1950.

= *Cryptotis nigrescens* (J. A. Allen, 1895). See Choate (1970:279).

Holotype: USNM 290466. In alcohol, skull removed. Adult female. Collected Apr 1949 by E. Graetz. No original number.

Type Locality: Cerro Punta, 6,500 ft (1,829 m), lat. 8°42'N, long. 82°48'W, Chiriqui Province, Republic of Panama.

Sorex cinereus Bachman

J. Acad. Nat. Sci. Phila. 7: 373, 1837.

= *Cryptotis parvus parvus* (Say, 1823). See G. S. Miller (1912b:24).

Syntype: USNM 94/1771. Skin and skull. Age and sex not given. Collected by W. Wesner, date unknown. [MC: Skin cataloged 26 Apr 1852; skull 18 Apr 1855]. No original number.

Type Locality: Goose Creek, about 22 mi (35 km) from Charleston. Restricted by Handley and Varn (1994:379) to Goose Creek, about 22 mi (35 km) NNW by road of Charleston, Berkeley County, South Carolina.

Remarks: Bachman (1837) based his description on six specimens from the type locality. According to Handley and Varn (1994:397) three of the six specimens are known to exist; two are at the Academy of Natural Sciences of Philadelphia (Academy of Natural Sciences of Drexel University), although Koopman (1976:3) did not list them; and the one given above, which was received in exchange with the Academy. [MC: The skin, USNM 94, was transferred to the University of Michigan 1 Apr 1859], but Handley could not find it there on 31 May 1954 (Handley and Varn, 1994:397).

Genus *Megasorex* Hibbard, 1950

Notiosorex gigas Merriam

Proc. Biol. Soc. Wash. 11: 227, 15 Jul 1897c.

= *Megasorex gigas* (Merriam, 1897). See Hibbard (1950:127).

Holotype: USNM 88012. [Skin and skull]. Adult female. Collected 15 Mar 1897 by E. W. Nelson and E. A. Goldman. Original number 10706.

Type Locality: Mountains at Milpillas, [FC: altitude 3,800 ft (1,158 m)], near San Sebastian, Jalisco, Mexico.

Genus *Neomys* Kaup, 1829

Neomys fodiens minor G. S. Miller

Proc. Biol. Soc. Wash. 14: 45, 25 Apr 1901c.

= *Neomys fodiens* (Pennant, 1771). Subspecies not recognized by Hutterer (2005:279).

Holotype: USNM 101311. Skin and skull. Adult male. Collected 8 Jul 1899 by R. T. Young. Original number 641.

Type Locality: Montrejeau, in the foothills of Pyrenees, Haut Pyrenees (Haute-Garonne Department), [Mid-Pyrenees], France.

Genus *Notiosorex* Coues, 1877

Sorex (Notiosorex) crawfordi Coues

Bull. U.S. Geol. and Geogr. Surv. Terr. 3: 646, 15 May 1877.

= *Notiosorex crawfordi* (Coues, 1877). See Merriam (1895a:32).

Holotype: USNM 2653/4437. In alcohol, skull removed. Age and sex not given. Collected on unknown date by S. W. Crawford. [MC: Alcoholic cataloged 28 Apr 1857; skull Sep 1861]. No original number.

Type Locality: Fort Bliss or vicinity, [Miller and Rehn (1901:244): about 2 mi (3.2 km) above El Paso, El Paso County], New Mexico (Texas).

Sorex (Notiosorex) evotis Coues

Bull. U.S. Geol. and Geogr. Surv. Terr. 3: 652, 15 May 1877.

= *Notiosorex evotis* (Coues, 1877). See Carraway and Timm (2000:310).

Holotype: USNM 9066. [Skull only]. Age and sex not given. Collected [SL: Feb 1868] by F. Bischoff.

Type Locality: [SL: Rio] Mazatlan, [Sinaloa], Mexico.

Genus *Sorex* Linnaeus, 1758

Atophyrax bendirii Merriam

Trans. Linn. Soc. New York 2: 217, 28 Aug 1884.

= *Sorex bendirii bendirii* (Merriam, 1884). See Dobson (1890:fig. 17).

Holotype: USNM 186442. In alcohol [currently a skin, skull, and partial skeleton]. Adult male. Collected 1 Aug 1882 by C. E. Bendire. No original number. [SL: MCC 496/1200].

Type Locality: About 1 mi (1.6 km) from Williamson's River, some 18 mi (29 km) southeast of Fort Klamath, [Klamath County], Oregon.

Remarks: Type not designated by number in original description, but it was expressly stated that the description was based on a single specimen. The specimen listed above is the only one in the collection matching the data given in the original description and therefore is the holotype by monotypy (ICZN, 1999: Article 73.1.2). Originally part of the Merriam Collection, this specimen was cataloged and assigned USNM 186442 on 13 Oct 1911.

Microsorex hoyi intervectus Jackson

Proc. Biol. Soc. Wash. 38: 125, 13 Nov 1925a.

= *Sorex hoyi hoyi* Baird, 1857. See Diersing (1980:91).

Holotype: USNM 226979. Skin and skull. Adult female. Collected 17 Aug 1917 by H. H. T. Jackson. Original number 820.
Type Locality: Lakewood, Oconto County, Wisconsin.

***Microsorex hoyi montanus* Brown**

Proc. Biol. Soc. Wash. 79: 50, 23 May 1966.
= *Sorex hoyi montanus* (Brown, 1966). See Diersing (1980:99).
Holotype: USNM 399498. Skin and skull. Adult male. Collected 30 Sep 1963 by L. N. Brown. Original number [SL: 1449].
Type Locality: Edge of Trail's Divide Pond, [SL: 10,000 ft (3,048 m)], 1/4 mi (0.4 km) S of University of Wyoming Summer Science Camp on State Highway 130, [Long (1972:190): 6 mi (10 km) W] Centennial, [SL: Medicine Bow Mountains], Albany County, Wyoming.
Remarks: Published as University of Wyoming Museum of Zoology specimen number K-307.

***Microsorex hoyi washingtoni* Jackson**

Proc. Biol. Soc. Wash. 38: 125, 13 Nov 1925a.
= *Sorex hoyi hoyi* Baird, 1857, See Diersing (1980:91).
Holotype: USNM 91007. Skin and skull. Adult female. Collected 26 Sep 1897 by V. Bailey. Original number 6293.
Type Locality: Loon Lake, Stevens County, Washington.

***Microsorex winnemana* Preble**

Proc. Biol. Soc. Wash. 23: 101, 24 Jun 1910.
= *Sorex hoyi winnemana* (Preble, 1910). See Diersing (1980:98).
Holotype: USNM 126320. Skin and skull. Young adult female. Collected 25 Apr 1903 by E. A. Preble. No original number. [SL: 3929-X].
Type Locality: Bank of Potomac River near Stubblefield Falls, [SL: 4 mi (6 km) below Great Falls], Fairfax County, Virginia.

***Neosorex albibarbis* Cope**

Proc. Acad. Nat. Sci. Phila. 14: 188, ordered published 29 Apr 1862. Receipt acknowledged 27 May 1862 by the Smithsonian Institution.
= *Sorex albibarbis albibarbis* (Cope, 1862). See Hope et al. (2014:730) for current use.
Syntype: USNM 11239/38743. In alcohol, skull removed. Adult female. Collected Sep 1859 by E. D. Cope. No original number.
Type Locality: Profile Lake, Franconia Mountains, [Grafton County], New Hampshire.
Remarks: No type was designated in original description. Cope (1862) had two specimens, both from the locality given above. The whereabouts of the second specimen is unknown. The alcoholic part of this specimen was destroyed and its skeleton preserved on 6 Sep 1956, so it is now a skull and skeleton.

***Neosorex navigator* Baird**

Mammals Rep. Explor. Surv. 8(1): 11, 1857.

= *Sorex navigator navigator* (Baird, 1857). See Hope et al. (2014:730) for current use.

Holotype: USNM 629/1780. Skin and skull. Age and sex not given. Collected [note on SL: 31 Aug 1853] by J. G. Cooper. Original number [MC: 37].

Type Locality: Fort Vancouver, [SL: Columbia River], WT. Restricted by Jackson (1928:186) to near head of Yakima River, Cascade Mountains, [Kittitas County], Washington.
Remarks: A note on the skin label states, "according to Dr. Cooper found in lake near summit of Cascade Mountains."

***Sorex alascensis shumaginensis* Merriam**

Proc. Wash. Acad. Sci. 2: 18, 14 Mar 1900.
= *Sorex monticola shumaginensis* Merriam, 1900. See Hennings and Hoffmann (1977:14).
Holotype: USNM 97993. [Skin and skull]. Adult male. Collected [SL: 17] Jul 1899 by De Alton Saunders. Original number [FC: A. K.] Fisher 2210.
Type Locality: Popof Island, Shumagin Islands, Alaska.

***Sorex (Microsorex) alnorum* Preble**

N. Am. Fauna 22: 72, 31 Oct 1902.
= *Sorex hoyi alnorum* Preble, 1902. See Hutterer (2005:289).
Holotype: USNM 107014. Skin and skull. Adult female. Collected 27 Jun 1900 by E. A. and A. E. Preble. Original number [FC: EAP] 2662.
Type Locality: [FC: Lower end] Robinson Portage, [Anderson (1947:22): Upper Hays River about 35 mi (56 km) southwest of Oxford Lake at about lat. 54°30'N, long. 96°W], Keewatin (Manitoba), Canada.

***Sorex alpinus hercynicus* G. S. Miller**

Ann. Mag. Nat. Hist. (series 8) 3: 417, May 1909.
= *Sorex alpinus* Schinz, 1837. Subspecies of *S. alpinus* not recognized by Hutterer (2005:253).
Holotype: USNM 112928. Skin and skull. Adult male. Collected 10, not 18 as in original description, Oct 1901 by F. L. J. Boettcher. Original number 265.
Type Locality: Mauseklippe, Bodethal (Bodetal), [FC: 630 m], Harz Mountains, [Sachsen-Anhalt], Germany.

***Sorex amoenus* Merriam**

N. Am. Fauna 10: 69, 31 Dec 1895b.
= *Sorex vagrans vagrans* Baird, 1857. See Findley (1955:52).
Holotype: USNM 29784/41863. Skin and skull. Adult male. Collected 22 Jul 1891 by E. W. Nelson. Original number 1129.
Type Locality: Mammoth Pass, altitude 10,000 ft (3,048 m), head of Owens River, east slope of the Sierra Nevada, California. Restricted by Howell (1923:266) to immediate vicinity of Mammoth, 8,000 ft (2,438 m), Mono County, California.

***Sorex araneus alticola* G. S. Miller**

Proc. Biol. Soc. Wash. 14: 43, 25 Apr 1901c.

= *Sorex araneus* Linnaeus, 1758. Subspecies of *S. araneus* not recognized by Hutterer (2005:283).

Holotype: USNM 85930. Skin and skull. Adult male. Collected 17 Oct 1898 by J. A. Loring. Original number 5731, not 5782 as in original description.

Type Locality: Near Meiringen, altitude 2,100 m, [Bern], Switzerland.

***Sorex araneus bergensis* G. S. Miller**

Ann. Mag. Nat. Hist. (series 8) 3: 416, May 1909.

= *Sorex araneus* Linnaeus, 1758. Subspecies of *S. araneus* not recognized by Hutterer (2005:283).

Holotype: USNM 84664. Skin and skull. Adult female. Collected 10 Jun 1898 by T. Stejneger. Original number 31.

Type Locality: [FC: Ystaas, about 1,000 ft (305 m)], Gravin (Granvin), Hardanger, [Hordaland], Norway.

***Sorex araneus euronotus* G. S. Miller**

Proc. Biol. Soc. Wash. 14: 44, 25 Apr 1901c.

= *Sorex coronatus* Millet, 1828. See Meylan and Hausser (1978:120) who placed *euronotus* in *coronatus* as a valid subspecies. Hutterer (2005:287) did not recognize subspecies of *S. coronatus*.

Holotype: USNM 101321. Skin and skull. Adult male. Collected 8 Jul 1899 by R. T. Young. Original number 642.

Type Locality: Montrejeau, in foothills of Pyrenees, Haute Pyrenees (Hautes-Pyrenees), [Midi-Pyrenees], France.

***Sorex arcticus laricorum* Jackson**

Proc. Biol. Soc. Wash. 38: 127, 13 Nov 1925b.

Holotype: USNM 186837. Skin and skull. Adult male. Collected 19 Feb 1886 by V. Bailey. Original number 75. Old (MCC) number 2019/2552.

Type Locality: Elk River, Sherburne County, Minnesota.

***Sorex bairdi* Merriam**

N. Am. Fauna 10: 77, 31 Dec 1895b.

= *Sorex bairdi bairdi* Merriam, 1895.

Holotype: USNM 17414/24318. Skin and skull. Adult female. Collected 2 Aug 1889 by T. S. Palmer. Original number 270.

Type Locality: Astoria, [Clatsop County], Oregon.

***Sorex (Atophyrax) bendirii albiventer* Merriam**

N. Am. Fauna 10: 97, 31 Dec 1895b.

= *Sorex bendirii albiventer* Merriam, 1895. See Jackson (1926:58).

Holotype: USNM 66198. [Skin and skull]. Adult male. Collected 7 Jul 1894 by C. P. Streater. Original number 4021.

Type Locality: Lake Cushman, Olympic Mountains, [Mason County], Washington.

***Sorex (Atophyrax) bendirii palmeri* Merriam**

N. Am. Fauna 10: 97, 31 Dec 1895b.

= *Sorex bendirii palmeri* Merriam, 1895. See Jackson (1926:58).

Holotype: USNM 17338/24263. Skin and skull. Old female.

Collected 29 Jul 1889 by T. S. Palmer. Original number 256.

Type Locality: Astoria, [Clatsop County], Oregon.

***Sorex californicus* Merriam**

N. Am. Fauna 10: 80, 31 Dec 1895b.

= *Sorex ornatus ornatus* Merriam, 1895. See Hutterer (2005:294).

Holotype: USNM 32578/44426. Skin and skull. Adult male. Collected 15 Feb 1892 by C. P. Streater. Original number 1583.

Type Locality: Walnut Creek, Contra Costa County, California.

***Sorex californicus juncensis* Nelson and Goldman**

Proc. Biol. Soc. Wash. 22: 27, 10 Mar 1909.

= *Sorex ornatus juncensis* Nelson and Goldman, 1909. See Junge and Hoffmann (1981:34).

Holotype: USNM 139594. [Skin and skull]. Young adult, sex unknown. Collected 1 Sep 1905 by E. W. Nelson and E. A. Goldman. Original number 17916.

Type Locality: Socorro, [FC: 10 ft (3 m)], 15 mi (24 km) south of San Quintin, Lower California (Baja California), Mexico.

***Sorex dispar blitchi* Schwartz**

J. Elisha Mitchell Sci. Soc. 72: 26, 1 May 1956.

Holotype: USNM 301993. [Skin and skull]. Male, age not given. Collected 30 Oct 1955 by E. L. Blitch and A. Schwartz. Original number AS 3525.

Type Locality: 2 mi (3.2 km) NE Wagon Road Gap, elevation 4,525 ft (1,379 m), Haywood County, North Carolina.

***Sorex dobsoni* Merriam**

N. Am. Fauna 5: 33, 30 Jul 1891.

= *Sorex vagrans vagrans* Baird, 1857. See Findley (1955:52).

Holotype: USNM 24274/31678. Skin and skull. Adult female. Collected 3 Oct 1890 by C. H. Merriam and V. Bailey. Original number [FC: VB] 1929.

Type Locality: Sawtooth or Alturas Lake, [G. S. Miller (1912b: 14): east base of] Sawtooth Mountains, altitude about 2,200 m (7,200 ft), [Blaine County], Idaho.

***Sorex durangae* Jackson**

Proc. Biol. Soc. Wash. 38: 127, 13 Nov 1925b.

= *Sorex monticola monticola* Merriam, 1890. See Hennings and Hoffmann (1977:15).

Holotype: USNM 94540. Skin and skull. Adult male. Collected 19 Jul 1898 by E. W. Nelson and E. A. Goldman. Original number 12774.

Type Locality: El Salto, [FC: altitude 8,400 ft (2,560 m)], Durango, Mexico.

***Sorex emarginatus* Jackson**

Proc. Biol. Soc. Wash. 38: 129, 13 Nov 1925b.

Holotype: USNM 90847. Skin and skull. Young adult female. Collected 17 Sep 1897 by E. W. Nelson and E. A. Goldman. Original number 11765.

Type Locality: Sierra Madre near Bolanos, altitude 7,600 ft (2,317 m), Jalisco, Mexico.

***Sorex (Microsorex) eximius* Osgood**

N. Am. Fauna 21: 71, 26 Sep 1901a.

= *Sorex hoyi eximius* Osgood, 1901. See Diersing (1980:89).

Holotype: USNM 107126. [Skin and skull]. Adult female. Collected 14 Sep 1900 by W. H. Osgood and E. Heller. Original number [FC: WHO] 1395.

Type Locality: Tyonek, Cook Inlet, Alaska.

***Sorex fimbripes* Bachman**

J. Acad. Nat. Sci. Phila. 7: 391, 1837.

= *Sorex cinereus cinereus* Kerr, 1792. See Jackson (1928:40).

Holotype: USNM 84556. [In alcohol, skull removed]. Age and sex not given. Collected on unknown date by W. R. Johnson. No original number. [MC: Cataloged 29 Apr 1898].

Type Locality: On the high table-land on a branch of Drury's (Drury) Run, a tributary of the west bank (branch?) of the Susquehanna River, [Clinton County, Pennsylvania].

Remarks: A type specimen was not designated by number in the original description. However, the taxon was based on a single specimen and for many reasons Lyon and Osgood (1909:243) and Poole and Schantz (1942:185) considered USNM 84556 to be that specimen; holotype fixed by monotypy (ICZN, 1999: Article 73.1.3). According to Coues (1877:641), Baird examined Bachman's type preserved in the Philadelphia Academy. How it ended up in the USNM is unknown. Koopman (1976) makes no mention of it being in the Academy of Natural Sciences of Philadelphia (Academy of Natural Sciences of Drexel University).

***Sorex fisheri* Merriam**

N. Am. Fauna 10: 86, 31 Dec 1895b.

= *Sorex longirostris fisheri* Merriam, 1895. See Jackson (1928:87).

Holotype: USNM 75166. [Skin and skull]. Adult male. Collected 11 Oct 1895 by A. K. Fisher. Original number 1800.

Type Locality: Lake Drummond, Dismal Swamp, [Chesapeake/Suffolk City], Virginia.

***Sorex fontinalis* Hollister**

Proc. U.S. Natl. Mus. 40: 378, 17 Apr 1911a.

= *Sorex cinereus fontinalis* Hollister, 1911. See Poole (1937:96).

Holotype: USNM 85439. Skin and skull. Old adult female. Collected 6 Nov 1898 by G. S. Miller, Jr. No original number.

Type Locality: Cold Springs Swamp, near Beltsville, [Prince Georges County], Maryland.

***Sorex fumeus umbrosus* Jackson**

Proc. Biol. Soc. Wash. 30: 149, 27 Jul 1917.

Holotype: USNM 150065. Skin and skull. Adult male. Collected 29 Jul 1907 by W. H. Osgood. Original number 3140.

Type Locality: James River, Antigonish County, Nova Scotia, [Canada].

***Sorex glacialis* Merriam**

Proc. Wash. Acad. Sci. 2: 16, 14 Mar 1900.

= *Sorex monticola alascensis* Merriam, 1895. See Alexander (1996:241).

Holotype: USNM 97709. [Skin and skull]. Adult male. Collected 12 Jun 1899 by A. K. Fisher. Original number 2056.

Type Locality: Point Gustavus, on east side of entrance to Glacier Bay, Alaska.

***Sorex godmani* Merriam**

Proc. Biol. Soc. Wash. 11: 229, 15 Jul 1897c.

= *Sorex salvini salvini* Merriam, 1897. See Woodman et al. (2012:214) for current use.

Holotype: USNM 77044. Skin and skull. Adult female. Collected 28 Jan 1896 by E. W. Nelson and E. A. Goldman. Original number 9239.

Type Locality: Volcano (Volcan) Santa Maria, altitude 9,000 ft (2,743 m), Quezaltenango, Guatemala.

***Sorex haydeni* Baird**

Mammals Rep. Explor. Surv. 8(1): 29, 1857.

Lectotype: USNM 1685 as designated by Lyon and Osgood (1909:244). In alcohol, skull not removed. Male, age not given. Collected by F. V. Hayden. No original number.

Type Locality: Fort Union, [Lyon and Osgood (1909:244): near Fort Buford], [Williams County], Nebraska (North Dakota).

Remarks: A type was not designated by number in original description. Lyon and Osgood (1909:244) selected the specimen given above as the type = lectotype (ICZN, 1999: Article 74.5).

***Sorex hoyi* Baird**

Mammals Rep. Explor. Surv. 8(1): 32, 1857.

= *Sorex hoyi hoyi* Baird, 1857. See Diersing (1980:90).

Lectotype: USNM 632/1783 as designated by Jackson (1928:203). Skin [and skull]. [Lyon and Osgood (1909:244): Old] male. [SL: Collected by P. R. Hoy], date unknown. [MC: Cataloged 19 Apr 1855].

Type Locality: Racine, [Racine County], Wisconsin.

Remarks: Type not designated by number in original description. Baird had two specimens and Lyon and Osgood (1909:244) considered one of them, USNM 1688, as the type. However, Preble (1910:203) determined USNM 1688 to be a specimen of *Sorex cinereus* and regarded the skull on which Baird based his description, USNM 1783, as the type. In his revision, Jackson (1928:203) formally designated the skin and skull as lectotype.

***Sorex idahoensis* Merriam**

N. Am. Fauna 5: 32, 30 Jul 1891.

= *Sorex cinereus cinereus* Kerr, 1792. Unassigned to subspecies by Hutterer (2005:286), but see Jackson (1928:41) who assigned it to *S. c. cinereus*, as did Hall (1981:28).

Holotype: USNM 23527/30945. Skin and skull. Adult female. Collected 26 Aug 1890 by C. H. Merriam and V. Bailey. Original number [FC: VB] 1674.

Type Locality: Timber Creek, altitude about 2,500 m (8,200 ft), [FC: 10 mi (16 km) west of Junction], Salmon River (Lemhi) Mountains, [Lemhi County], Idaho.

***Sorex lagunae* Nelson and Goldman**

Proc. Biol. Soc. Wash. 22: 27, 10 Mar 1909.

= *Sorex ornatus lagunae* Nelson and Goldman, 1909. See Jackson (1928:169).

Holotype: USNM 147119. [Skin and skull]. Adult female. Collected 29 Jan 1906 by E. W. Nelson and E. A. Goldman. Original number 19036.

Type Locality: La Laguna, altitude 5,500 ft (1,676 m), Sierra Laguna (Sierra de la Laguna), Lower California (Baja California Sur), Mexico.

***Sorex leucogenys* Osgood**

Proc. Biol. Soc. Wash. 22: 52, 17 Apr 1909.

= *Sorex merriami* Dobson, 1890. See Benson and Bond (1939:348) who considered *leucogenys* a subspecies of *S. merriami*.

Holotype: USNM 157952. [Skin and skull]. Adult female. Collected 12 Aug 1908 by W. H. Osgood. Original number [SL: 3318].

Type Locality: Mouth of the canyon of Beaver River, about 3 mi (5 km) east of Beaver [FC: and 1 mi (1.6 km) east of Fort Cameron, Beaver River], Beaver County, Utah.

***Sorex longicauda elassodon* Osgood**

N. Am. Fauna 21: 35, 26 Sep 1901b.

= *Sorex monticola elassodon* Osgood, 1901. See Hennings and Hoffmann (1977:16).

Holotype: USNM 100597. [Skin and skull]. Young adult male. Collected 13 Jun 1900 by W. H. Osgood and E. Heller. Original number [FC: WHO] 1030.

Type Locality: Cumshewa Inlet, [Poole and Schantz (1942:87): near old Indian Village of Clew], Moresby Island, Queen Charlotte Islands, British Columbia, [Canada].

***Sorex longicauda prevostensis* Osgood**

N. Am. Fauna 21: 35, 26 Sep 1901b.

= *Sorex monticola prevostensis* Osgood, 1901. See Hennings and Hoffmann (1977:16).

Holotype: USNM 100618. [Skin and skull]. Adult male. Collected 3 Jul 1900 by W. H. Osgood and E. Heller. Original number [FC: WHO] 1089.

Type Locality: [FC: North end of] Prevost Island, [FC: on coast of Houston Stewart Channel], Queen Charlotte Islands, British Columbia, [Canada].

***Sorex macrodon* Merriam**

N. Am. Fauna 10: 82, 31 Dec 1895b.

Holotype: USNM 58272. [Skin and skull]. Adult male. Collected 26 Jan 1894 by E. W. Nelson and E. A. Goldman. Original number 5759.

Type Locality: Orizaba, altitude 4,200 ft (1,280 m), Vera Cruz (Veracruz), Mexico.

***Sorex macropygmaeus* G. S. Miller**

Proc. Biol. Soc. Wash. 14: 158, 9 Aug 1901e.

= *Sorex caecutiens* Laxmann, 1785. See Hoffmann (1987:107).

Holotype: USNM 84021. Skin and skull. Adult male. Collected 23 Sep 1897 by Mrs. L. Stejneger. Original number LS 8019.

Type Locality: Petropaulski (Petropavlovsk Kamchatskiy), Kamchatka (Kamchatskiy Kray), [Russia].

***Sorex merriami* Dobson**

Monogr. Insectivora, pt. 3, fasc. 1, pl. 23, fig. 6, and explanation, May 1890.

Holotype: USNM 186441. [In alcohol, skull removed]. Adult female. Collected [SL: 26 Dec 1884 by C. E. Bendire]. Original number [MC and MCC: 635].

Type Locality: [Merriam (1895b:88): On the Little Bighorn River, about 1.5 mi (2.4 km) above] Fort Custer, [Big Horn County], Montana.

Remarks: Published as MCC 1001 to which skull number 4861 belonged. Cataloged as USNM 186441 on 13 Oct 1911.

***Sorex milleri* Jackson**

Proc. Biol. Soc. Wash. 60: 131, 9 Oct 1947.

Holotype: USNM 274950. Skin, skull, and dry body. Adult female? Collected 1 Nov 1940 by F. W. Miller. Original number 19. Biological Survey miscellaneous 32327-X.

Type Locality: Madera Camp, altitude 8,000 ft (2,438 m), Carmen Mountains, Coahuila, Mexico.

Remarks: [SL: Donated by the Dallas Museum of Natural History].

***Sorex montereyensis* Merriam**

N. Am. Fauna 10: 79, 31 Dec 1895b.

= *Sorex trowbridgii montereyensis* Merriam. See Jackson (1922:264).

Holotype: USNM 32000/44810. Skin and skull. Adult male. Collected 1 Oct 1891 by V. Bailey. Original number 3336.

Type Locality: Monterey, [Monterey County], California.

***Sorex monticolus* Merriam**

N. Am. Fauna 3: 43, 11 Sep 1890a.

= *Sorex monticola monticola* Merriam.

Holotype: USNM 17599/24535. Skin and skull. Adult male. Collected 28 Aug 1889 by C. H. Merriam and V. Bailey. Original number [SL: VB] 406.

Type Locality: [FC: Near Spring Creek], altitude 3,500 m = 11,500 ft, San Francisco Mountain, [Coconino County], Arizona.

***Sorex navigator alaskanus* Merriam**

Proc. Wash. Acad. Sci. 2: 18, 14 Mar 1900.

= *Sorex alaskanus* Merriam. See Jackson (1926:58).

Holotype: USNM 97713. [Skin and skull]. Adult male. Collected 12 Jun 1899 by A. K. Fisher. Original number 2058.

Type Locality: Point Gustavus, Glacier Bay, Alaska.

***Sorex nevadensis* Merriam**

N. Am. Fauna 10: 71, 31 Dec 1895b.

= *Sorex vagrans vagrans* Baird, 1857. See Findley (1955:52).

Holotype: USNM 24891/32302. Skin and skull. Adult male. Collected 20 Nov 1890, not 24 as in original description, by V. Bailey. Original number 2150.

Type Locality: Reese River, [Miller and Kellogg (1955:20): at about 6,000 ft (1,829 m)], [FC: at a line between Lander and Nye Counties], Nevada.

***Sorex obscurus alascensis* Merriam**

N. Am. Fauna 10: 71, 31 Dec 1895b.

= *Sorex monticola alascensis* Merriam, 1895. See Hennings and Hoffmann (1977:15).

Holotype: USNM 73539. [Skin and skull]. Young adult female. Collected 10 Jul 1895 by C. P. Streator. Original number [SL: 4676].

Type Locality: Yakutat Bay, Alaska.

***Sorex obscurus isolatus* Jackson**

J. Wash. Acad. Sci. 12: 263, 4 Jun 1922.

= *Sorex monticola isolatus* Jackson, 1922. See Hennings and Hoffmann (1977:16).

Holotype: USNM 177719. Skin and skull. Adult male. Collected 21 May 1911 by F. A. Wetmore. Original number 517.

Type Locality: Mouth of Millstone Creek, Nanaimo, Vancouver Island, British Columbia, [Canada].

***Sorex obscurus longicauda* Merriam**

N. Am. Fauna 10: 74, 31 Dec 1895b.

= *Sorex monticola longicaudus* Merriam, 1895. See Hennings and Hoffmann (1977:16).

Holotype: USNM 74711. [Skin and skull]. Young adult male. Collected 9 Sep 1895 by C. P. Streator. Original number 4891.

Type Locality: Wrangel (Wrangell), [FC: Wrangel (Wrangell) Island], southeast Alaska.

***Sorex obscurus neomexicanus* Bailey**

Proc. Biol. Soc. Wash. 26: 133, 21 May 1913.

= *Sorex neomexicanus* Bailey, 1913. See Alexander (1996:21).

Holotype: USNM 100440. [Skin and skull]. Old adult male. Collected 29 May 1900 by V. Bailey. Original number 7383.

Type Locality: Cloudcroft, altitude 9,000 ft (2,743 m) in the Sacramento Mountains, [Otero County], New Mexico.

***Sorex obscurus parvidens* Jackson**

J. Mammal. 2: 161, 19 Aug 1921.

= *Sorex ornatus parvidens* Jackson, 1921. See Woodman (2012:837).

Holotype: USNM 56561. Skin and skull. Adult male. Collected 3 Oct 1893 by J. E. McLellan. Original number 242.

Type Locality: Spring known as Thurman's Camp, altitude about 7,500 ft (2,286 m) [FC: 9,000 ft (2,743 m)], western side of San Bernardino Peak, San Bernardino Mountains, [San Bernardino County], California.

***Sorex obscurus permiliensis* Jackson**

Proc. Biol. Soc. Wash. 31: 128, 29 Nov 1918.

= *Sorex bairdi permiliensis* Jackson, 1918. See Carraway (1990:40).

Holotype: USNM 91048. Skin and skull. Adult male. Collected 2 Oct 1897 by J. A. Loring. Original number 4756.

Type Locality: Permilia (Pamelia) Lake, west base of Mount Jefferson, Cascade Range, [Linn County], Oregon.

***Sorex obscurus ventralis* Merriam**

N. Am. Fauna 10: 75, 31 Dec 1895b.

= *Sorex ventralis* Merriam, 1895. See Elliot (1903:148).

Holotype: USNM 68342. [Skin and skull]. Adult male. Collected 26 Aug 1894 by E. W. Nelson and E. A. Goldman. Original number 6636.

Type Locality: Cerro San Felipe, altitude 10,000 ft (3,048 m), Oaxaca, Mexico.

***Sorex oreopolus* Merriam**

Proc. Biol. Soc. Wash. 7: 173, 29 Sep 1892.

Holotype: USNM 33663/45698. Skin and skull. Adult male. Collected 22 Apr 1892 by E. W. Nelson. Original number 2517.

Type Locality: [Miller (1912b:17): North Slope] Sierra Nevada de Colima, altitude [SL: about] 10,000 ft (3,048 m), Jalisco, Mexico.

***Sorex orizabae* Merriam**

N. Am. Fauna 10: 71, 31 Dec 1895b.

Holotype: USNM 53633. [Skin and skull]. Adult female. Collected 24 Apr 1893 by E. W. Nelson. Original number 4733.

Type Locality: [Jackson (1928:113): West slope] Mount Orizaba, altitude 9,500 ft (2,896 m), Puebla, Mexico.

***Sorex ornatus* Merriam**

N. Am. Fauna 10: 79, 31 Dec 1895b.

= *Sorex ornatus ornatus* Merriam, 1895.

Holotype: USNM 31333/43198 Skin and skull. Adult male. Collected 19 Oct 1891 by E. W. Nelson. Original number 1328.

Type Locality: Head of San Emigdio Canyon, Mount Pinos, [Kern County], California.

***Sorex pachyurus* Baird**

Mammals Rep. Explor. Surv. 8(1), 1857.

= *Sorex arcticus arcticus* Kerr, 1792. See Hutterer (2005:284).

Lectotype: USNM 1674/38820 as designated by Lyon and Osgood (1909:247). Originally in alcohol, the skull and skeleton were removed and cataloged as USNM 38820 on 13 Sep 1923. The skin was apparently destroyed. Age and sex not given. Obtained from C. Cavileer. No original number.
 Type Locality: Pembina, [Pembina County], North Dakota, not Minnesota as in original description.
 Remarks: A type was not designated by number in original description. Lyon and Osgood (1909:247) considered USNM 1674 to be the type = lectotype (ICZN, 1999: Article 74.5).

***Sorex pacificus* Coues**

Bull. U.S. Geogr. Surv. Terr. 3: 650, 15 May 1877.
 = *Sorex pacificus pacificus* Coues, 1877. See Carraway (1990:54).
 Holotype: USNM 3266. [Skin with fragment of skull inside].
 Age and sex not given. [MC: Received from E. P. Vollum. Cataloged Mar 1858].
 Type Locality: Fort Umpqua, [Miller and Rehn (1901:242): mouth of Umpqua River, Douglas County], Oregon.

***Sorex pacificus cascadenis* Carraway**

Special Publs. Mus. Texas Tech Univ. 32: 55, 7 Jul 1990.
 Holotype: USNM 204479. Skin and skull. Adult female. Collected 5 Jul 1914 by V. Bailey. Original number 9650.
 Type Locality: McKenzie Bridge, Lane County, Oregon.

***Sorex palustris hydrobadistes* Jackson**

J. Mammal. 7: 57, 15 Feb 1926.
 Holotype: USNM 229061. Skin and skull. Adult male. Collected 23 Jul 1918 by H. H. T. Jackson. Original number 1211.
 Type Locality: Withee, Clark County, Wisconsin.

***Sorex palustris turneri* Johnson**

Proc. Biol. Soc. Wash. 64: 110, 24 Aug 1951.
 = *Sorex albibarbis turneri* Johnson, 1951. See Hope et al. (2014:730) for current use.
 Holotype: USNM 282879. Skin and skull. Adult male. Collected by R. Traub and D. Koelle; prepared by D. H. Johnson. Original number DHJ 5216.
 Type Locality: Fort Chimo (Kuujuaq), on eastern bank of Koksoak River, lat. 58°8'N, long. 68°15'W, Ungava District, Quebec, Canada.

***Sorex personatus arcticus* Merriam**

Proc. Wash. Acad. Sci. 2: 17, 14 Mar 1900. Primary junior homonym of *Sorex arcticus* Kerr, 1792. Replaced with *Sorex cinereus hollisteri* by Jackson (1925c:55).
 Holotype: USNM 99305. [Skin and skull]. Adult female. Collected 14 Sep 1899 by W. H. Osgood. Original number 910.
 Type Locality: Saint Michaels (Saint Michael), Alaska.

***Sorex personatus streatori* Merriam**

N. Am. Fauna 10: 62, 31 Dec 1895b.
 = *Sorex cinereus streatori* Merriam, 1895. See Jackson (1925c:56).

Holotype: USNM 73537. [Skin and skull]. Adult male. Collected 9 Jul 1895 by C. P. Streater. Original number 4674.
 Type Locality: Yakutat, about lat. 59°35', Alaska.

***Sorex planiceps* G. S. Miller**

Proc. Biol. Soc. Wash. 24: 242, 28 Nov 1911c.
 Holotype: USNM 173915. Skin and skull. Adult male. Collected 30 May 1911 by W. L. Abbott. Original number 7714.
 Type Locality: [FC: Kiar Nye], Dachin, Altitude 9,000 ft (2,743 m), Khistwar, Kashmir (Jammu and Kashmir), [India].

***Sorex preblei* Jackson**

J. Wash. Acad. Sci. 12: 263, 4 Jun 1922.
 Holotype: USNM 208032. Skin and skull. Adult male. Collected 3 Jul 1915 by E. A. Preble. Original number 5972.
 Type Locality: Jordan Valley, altitude 4,200 ft (1,280 m), Malheur County, Oregon.

***Sorex pribilofensis* Merriam**

N. Am. Fauna 10: 87, 31 Dec 1895b.
 Holotype: USNM 30911. In alcohol. Adult female. Collected 29 Jul 1891 by C. H. Merriam. No original number.
 Type Locality: Saint Paul Island, Pribilof Islands, Bering Sea, Alaska.

***Sorex roboratus* Hollister**

Smithson. Misc. Collect. 60(24): 2, 13 Mar 1913b.
 Holotype: USNM 175436. Skin and skull. Adult male. Collected 7 Aug 1912 by N. Hollister. Original number 4451.
 Type Locality: Dapucha, Altai Mountains, [Altayskiy], Siberia (Russia).

***Sorex salvini* Merriam**

Proc. Biol. Soc. Wash. 112: 229, 15 Jul 1897c.
 = *Sorex salvini salvini* Merriam, 1897. See Woodman et al. (2012:214) for current use.
 Holotype: USNM 77035. [Skin and skull]. Adult female. Collected 12 Jan 1896 by E. W. Nelson and E. A. Goldman. Original number 9057.
 Type Locality: Calel, altitude 10,200 ft (3,109 m), Tontonicapan (Quetzaltenango), Guatemala.

***Sorex saussurei* Merriam**

Proc. Biol. Soc. Wash. 7: 173, 29 Sep 1892.
 See Carraway (2007:73) for current use.
 Holotype: USNM 33667/45702. Skin and skull. Adult female. Collected 23 Apr 1892 by E. W. Nelson. Original number 2538.
 Type Locality: [Miller (1912b:19): North slope] Sierra Nevada de Colima, altitude [FC: about] 8,000 ft (2,438 m), Jalisco, Mexico.

***Sorex saussurei caudatus* Merriam**

N. Am. Fauna 10: 84, 31 Dec 1895b. Primary junior homonym of *Sorex caudatus* Hodgson, 1849 and Horsfield,

1851. Replaced with *Sorex saussurei mutabilis* by Merriam (1898b:782).

= *Sorex veraepacis mutabilis* Merriam, 1898. See Jackson (1925b:130).

Holotype: USNM 69600. [Skin and skull]. Young adult female. Collected 21 Oct 1894 by E. W. Nelson [SL and FC: and E. A. Goldman]. Original number 6963.

Type Locality: Reyes, [Poole and Schantz (1942:193): near Cuicatlan], altitude 10,200 ft (3,109 m), Oaxaca, Mexico.

***Sorex saussurei cristobalensis* Jackson**

Proc. Biol. Soc. Wash. 38: 129, 13 Nov 1925b.

= *Sorex salvini cristobalensis* Jackson, 1925. See Woodman et al. (2012:214) for current use.

Holotype: USNM 75883. Skin and skull. Adult female. Collected 19 Sep 1895 by E. W. Nelson and E. A. Goldman. Original number 8429.

Type Locality: San Cristobal, altitude 8,400 ft (2,560 m), Chiapas, Mexico.

***Sorex saussurei oaxacae* Jackson**

Proc. Biol. Soc. Wash. 38: 128, 13 Nov 1925b.

= *Sorex salvini oaxacae* Jackson, 1925. See Woodman et al. (2012:214) for current use.

Holotype: USNM 71467. Skin and skull. Adult female. Collected 27 Mar 1895 by E. W. Nelson and E. A. Goldman. Original number 7748.

Type Locality: Mountains near Ozolotepec, altitude 10,000 ft (3,048 m), Oaxaca, Mexico.

***Sorex saussurei veraecrucis* Jackson**

Proc. Biol. Soc. Wash. 38: 128, 13 Nov 1925b.

= *Sorex salvini veraecrucis* Jackson, 1925. See Woodman et al. (2012:214) for current use.

Holotype: USNM 55106. Skin and skull. Adult female. Collected 14 Jul 1893 by E. W. Nelson. Original number 5235.

Type Locality: Xico, altitude 6,000 ft (1,829 m), Vera Cruz (Veracruz), Mexico.

***Sorex sclateri* Merriam**

Proc. Biol. Soc. Wash. 11: 228, 15 Jul 1897c.

Holotype: USNM 75872. [Skin and skull]. Adult female. Collected 23 Oct 1895 by E. W. Nelson and E. A. Goldman. Original number 8567.

Type Locality: Tumbala, altitude 5,000 ft (1,524 m), [Tumbala Municipality], Chiapas, Mexico.

***Sorex shastensis* Merriam**

N. Am. Fauna 16: 87, 28 Oct 1899.

= *Sorex vagrans vagrans* Baird, 1857. See Findley (1955:52).

Holotype: USNM 95450. [Skin and skull]. [Lyon and Osgood (1909:248): Adult] [SL: female]. Collected 26 Sep 1898 by W. H. Osgood. Original number 317.

Type Locality: Wagon Camp, Mount Shasta, altitude 5,700 ft (1,737 m), [Siskiyou County, California].

***Sorex sonomae tenelliodus* Carraway**

Special Publ. Mus. Texas Tech Univ. 32: 33, 7 Jul 1990.

Holotype: USNM 565663. Skin and skull. Adult female. Collected 13 May 1983 by R. G. Anthony. Original number X-560. Oregon State University Fish and Wildlife number 8251.

Type Locality: 4 mi (6.4 km) S, 10.5 mi (17 km) E Blue River, East Fork Creek, T17S, R6E, sec. 7, Lane County, Oregon.

Remarks: Transferred to the NMNH on 2 May 1989.

***Sorex sphagnicola* Coues**

Bull. U.S. Geol. and Geogr. Surv. Terr. 3: 650, 15 May 1877.

= *Sorex arcticus arcticus* Kerr, 1792. See Jackson (1928:69).

Holotype: USNM 6361. Skin only. Age and sex not given. Collected on unknown date by W. L. Hardisty. No original number. [MC: Cataloged in Apr 1863].

Type Locality: Vicinity of Fort Liard, [Dehcho Region, Northwest Territories, Canada].

***Sorex stizodon* Merriam**

N. Am. Fauna 10: 98, 31 Dec 1895b.

Holotype: USNM 75885. [Skin and skull]. Adult female. Collected 25 Sep 1895 by E. W. Nelson and E. A. Goldman. Original number 8473.

Type Locality: San Cristobal, [FC: altitude 9,000 ft (2,743 m)], Chiapas, Mexico.

***Sorex suckleyi* Baird**

Mammals Rep. Explor. Surv. 8(1): 18, 1857.

= *Sorex vagrans vagrans* Baird, 1857. See Merriam (1895b:67).

Lectotype: USNM 1677 as designated by Lyon and Osgood (1909:250). In alcohol. Age and sex not given. Collected by G. Suckley in [MC: 1856. Cataloged on 23 Oct 1856]. No original number.

Type Locality: Fort Steilacoom, Puget Sound, [Pierce County], Washington.

Remarks: Of the seven specimens mentioned in the original description, Lyon and Osgood (1909:250) stated that USNM 1677 is here taken as the type = lectotype (ICZN, 1999: Article 74.5).

***Sorex tenellus* Merriam**

N. Am. Fauna 10: 81, 31 Dec 1895b.

Holotype: USNM 25083/32495. Skin and skull. Adult, sex unknown. Collected 22 Dec 1890 by E. W. Nelson. Original number 131.

Type Locality: Near summit of Alabama Hills, Lone Pine, Owens Valley, [Inyo County], California. Restricted by A. B. Howell (1923:266) to Lone Pine Creek, about 4,500 ft (1,372 m), Owens Valley, Inyo County, California.

***Sorex tenellus lyelli* Merriam**

Proc. Biol. Soc. Wash. 15: 75, 22 Mar 1902b.

= *Sorex lyelli* Merriam, 1902. See Jackson (1928:57).

Holotype: USNM 109530. [Skin and skull]. Young adult male. Collected 29 Aug 1901 by W. K. Fisher. Original number 2275.

Type Locality: Mount Lyell, [Grinnell (1933:79): near head of Lyell Fork of Tuolumne River, at about 10,000 ft (3,048 m) altitude], [Tuolumne County], California.

***Sorex tenellus myops* Merriam**

Proc. Biol. Soc. Wash. 15: 76, 22 Mar 1902b.

= *Sorex tenellus* Merriam, 1895. See Hall and Kelson (1959:36).

Holotype: USNM 29559/41634. Skin and skull. Adult female. Collected 13 Jul 1891 by E. W. Nelson. Original number 1101.

Type Locality: [FC: Pipers Creek (Cottonwood Creek), east slope near main peak of] White Mountains, [FC: 9488 ft (2,892 m)], Mono County, California. Restricted by Howell (1923:266) to Cottonwood Creek, about 9,550 ft (2,911 m), on east slope of the White Mountains, Inyo (Mono) County, California.

***Sorex tenellus nanus* Merriam**

N. Am. Fauna 10: 81, 31 Dec 1895b.

= *Sorex nanus* Merriam, 1895. See Jackson (1928:174).

Holotype: USNM 73773. [Skin and skull]. [Poole and Schantz (1942:196): Young] adult female. Collected 3 Aug 1895 by E. A. Preble. Original number [SL: 567].

Type Locality: Estes Park, [FC: Larimer County], Colorado.

***Sorex thompsoni* Baird**

Mammals Rep. Explor. Surv. 8(1): 34, 1857.

= *Sorex hoyi thompsoni* Baird, 1857. See Diersing (1980:94).

Lectotype: USNM 1686/38838 as designated by Lyon and Osgood (1909:250). In alcohol, [skull removed]. Age and sex not given. Obtained from Z. Thompson. No original number. Date collected unknown. [MC: Cataloged 23 Oct 1856].

Type Locality: Burlington, [Chittenden County], Vermont.

Remarks: A type was not designated by number in original description. From the three specimens mentioned, Lyon and Osgood (1909:250) considered USNM 1686 to be the type = lectotype (ICZN, 1999: Article 74.5). The skull, still in the specimen in 1909, has been removed and was assigned USNM 38838 on 13 Jun 1923.

***Sorex trigonirostris* Jackson**

J. Wash. Acad. Sci. 12: 264, 4 Jun 1922.

= *Sorex vagrans vagrans* Baird, 1857. See Hennings and Hoffmann (1977:8).

Holotype: USNM 203608. Skin and skull. Adult female. Collected 5 May 1914 by L. J. Goldman. Original number 1308.

Type Locality: Ashland, altitude 1,975 ft (602 m), Jackson County, Oregon.

***Sorex trowbridgii* Baird**

Mammals Rep. Explor. Surv. 8(1): 13, 1857.

= *Sorex trowbridgii trowbridgii* Baird, 1857.

Lectotype: USNM 813/3088 as designated by Poole and Schantz (1942:196). Skin and skull. Male. Collected on unknown date by J. Wayne. No original number. [MC: Skin cataloged on 28 Jul 1855, skull on Jan 1857].

Type Locality: Astoria, [Miller and Rehn (1901:239): mouth of Columbia River, Clatsop County], Oregon.

Remarks: A type was not designated by number in original description. Baird (1857:15) listed four specimens by number and Poole and Schantz (1942:196) selected USNM 813/3088 as the lectotype.

***Sorex trowbridgii destructioni* Scheffer and Dalquest**

J. Mammal. 23: 334, 14 Aug 1942.

Holotype: USNM 271634. Skin and skull. Adult female. Collected 22 Apr 1941 by V. B. Scheffer. Original number 1151.

Type Locality: Destruction Island, Jefferson County, Washington.

***Sorex trowbridgii humboldtensis* Jackson**

J. Wash. Acad. Sci. 12: 264, 4 Jun 1922.

Holotype: USNM 97271. Skin and skull. Adult male. Collected 11 Jun 1899 by W. K. Fisher. Original number 914.

Type Locality: [SL: Redwood] Carson's Camp, Mad River, Humboldt Bay, Humboldt County, California.

***Sorex tundrensis* Merriam**

Proc. Wash. Acad. Sci. 2: 16, 14 Mar 1900.

Holotype: USNM 99286. [Skin and skull]. [Lyon and Osgood (1909:250): Adult]. Sex not given. Collected 13 Sep 1899 by W. H. Osgood. Original number 902.

Type Locality: Saint Michaels (Saint Michael), Alaska.

***Sorex vagrans* Baird**

Mammals Rep. Explor. Surv. 8(1): 15, 1857.

= *Sorex vagrans vagrans* Baird, 1857.

Lectotype: USNM 1675 as designated by Lyon and Osgood (1909:251). In alcohol. [Lyon and Osgood (1909:251): Adult] male. Received from J. G. Cooper, date unknown. No original number. [MC: Cataloged 23 Oct 1856].

Type Locality: Shoalwater (Willapa) Bay, [Pacific County], W. T. (Washington).

Remarks: A type was not designated in original description. Of the seven specimens mentioned, Lyon and Osgood (1909:251) selected USNM 1675 as the type = lectotype (ICZN, 1999: Article 74.5).

***Sorex vagrans obscuroides* Findley**

Univ. Kans. Publ., Mus. Nat. Hist. 9: 58, 10 Dec 1955.

= *Sorex monticola obscurus* Merriam, 1895. See Hennings and Hoffmann (1977:15).

Holotype: USNM 30064/42074. Skin and skull. First year female. Collected 9 Aug 1891 by F. Stephens. Original number 811.

Type Locality: Bishop Creek, 6600 ft (2,012 m), [SL and FC: Sierra Nevada Mountains], Inyo County, California.

***Sorex vagrans similis* Merriam**

N. Am. Fauna 5: 34, 30 Jul 1891. Primary junior homonym of *Sorex similis* Hensel, 1855. Renamed *Sorex obscurus* by Merriam (1895b:72).

= *Sorex monticola obscurus* Merriam, 1895. See Hennings and Hoffmann (1977:17).

Holotype: USNM 23525/30943. Skin and skull. [Lyon and Osgood (1909:249): Adult] female. Collected 26 Aug 1890 by [SL: V. Bailey] and B. H. Dutcher. Original number [FC: VB] 1670.

Type Locality: [Poole and Schantz (1942:197): Near] Timber Creek, altitude about 2,500 m (8,300 ft), Salmon River (Lemhi) Mountains, 10 mi (16 km) west of Junction, [Lemhi County], Idaho.

Sorex vancouverensis Merriam

N. Am. Fauna 10: 70, 31 Dec 1895b.

= *Sorex vagrans vagrans* Baird, 1857. See George and Smith (1991:88).

Holotype: USNM 71913. [Skin and skull]. Adult male. Collected 10 May 1895 by C. P. Streater. Original number 4592.

Type Locality: Goldstream, Vancouver Island, British Columbia, [Canada].

Sorex veraepacis chiapensis Jackson

Proc. Biol. Soc. Wash. 38: 129, 13 Nov 1925b.

Holotype: USNM 75877. Skin and skull. Adult female. Collected 1 Oct 1895 by E. W. Nelson and E. A. Goldman. Original number 8528.

Type Locality: San Cristobal, altitude 9,500 ft (2,896 m), Chiapas, Mexico.

Sorex yaquinae Jackson

Proc. Biol. Soc. Wash. 31: 127, 29 Nov 1918.

= *Sorex pacificus pacificus* Coues, 1877. See Carraway (1990:54).

Holotype: USNM 73051. Skin and skull. Adult female. Collected 18 Jul 1895 by B. J. Bretherton. Original number 2031.

Type Locality: Yaquina Bay, [Lincoln County], Oregon.

Genus *Suncus* Ehrenberg, 1832

Pachyura occultidens Hollister

Proc. U.S. Natl. Mus. 46: 303, 31 Dec 1913a.

= *Suncus murinus* (Linnaeus, 1766). See Corbet and Hill (1992:36).

Holotype: USNM 175761. In alcohol, skull removed. Young adult male. Collected Aug [MC: Sep] 1912 by [MC: C. Fox]. No original number.

Type Locality: Ilo-ilo (Iloilo), Iloilo Province, Panay, [Philippines].

Genus *Surdisorex* Thomas, 1906

Surdisorex polulus Hollister

Smithson. Misc. Collect. 66(1): 1, 10 Feb 1916c.

Holotype: USNM 163992. Skin and skull. Adult male. Collected 30 Sep 1909 by J. A. Loring. Original number 7562.

Type Locality: West side Mount Kenia (Kenya), altitude 10,700 ft (3,261 m), British East Africa (Kenya).

Genus *Sylvisorex* Thomas, 1904

Pachyura lixa aequatoria Heller

Smithson. Misc. Collect. 60(12): 4, 4 Nov 1912a.

= *Sylvisorex aequatorius* (Heller, 1912). New name combination.

See Hutterer (2005:257) who raised *aequatorius* to specific status and Dubey et al. (2008:953) for the use of *Sylvisorex*.

Holotype: USNM 181814. [Skin and skull]. Adult male. Collected 19 Nov 1911 by E. Heller. Original number 4815.

Type Locality: Summit of Mount Sagalla, altitude 4,000 ft (1,219 m), Taita Hills, [Coast Province], British East Africa (Kenya).

Sylvisorex gemmeus Heller

Smithson. Misc. Collect. 56(15):7, 23 Dec 1910d.

= *Sylvisorex megalura gemmeus* Heller, 1910. See Heim de Balsac and Meester (1977:7) who reduced *gemmeus* to subspecific status and Dubey et al. (2008:960) for current use of *Sylvisorex*.

Holotype: USNM 164644. [Skin and skull]. Adult male. Collected 14 Jan 1910 by J. A. Loring. Original number 8730.

Type Locality: Rhino Camp, Lado Enclave, [Arua, Uganda].

Sylvisorex konganensis Ray and Hutterer

Ecotropica 1: 93, 1996 [1995].

Holotype: USNM 580655. In alcohol, skull removed. Young adult female. Collected 8 Apr 1994 by J. C. Ray. Original number 1736.

Type Locality: Near Kongana Camp, 02°47'N, 16°25'E, Dzanga-Sangha Forest Reserve, SW Central African Republic.

FAMILY TALPIDAE G. FISCHER, 1814

Genus *Condylura* Illiger, 1811

Condylura cristata parva Paradiso

Proc. Biol. Soc. Wash. 72: 103, 24 Jul 1959.

Holotype: USNM 293291. Skin and skull. Adult male. Collected 2 Dec 1939 by L. Llewellyn. Original number [SL: 565].

Type Locality: [SL: Spoon Mountain], 5 mi (8 km) NW of Stewart, Patrick County, Virginia.

Remarks: Hutterer (2005:301) placed *C. c. parva* as a junior synonym of *C. c. nigra* following Hartman (1999:67), who placed *nigra* as a synonym of *parva*, despite *nigra* having priority. However, we believe Hartman (1999:67) erred in doing so and meant to place *nigra* as a synonym of *cristata*, as he correctly listed the range of *cristata* to include the type locality, Nova Scotia, of *nigra*. In our opinion, Peterson and Yates (1980:1) correctly placed *nigra* as a junior synonym of *cristata* as did van Zyll de Jong (1983:180).

Genus *Dymecodon* True, 1886

Dymecodon pilirostris True

Proc. U.S. Natl. Mus. 9: 97, 2 Sep 1886a.

Holotype: USNM 15291/22139. In alcohol, [skull removed]. [Lyon and Osgood (1909:234): Immature] [MC: male]. [MC: Collected on unknown date by E. S. Morse. No original number. Received from the Boston Society of Natural History 19 Feb 1878. Cataloged 21 Dec 1885].
Type Locality: Mouth of Yeddo (Tokyo) Bay, [MC: Yenosima (Enoshima)], [Honshu], Japan.

Genus *Euroscaptor* Miller, 1940

Euroscaptor grandis G. S. Miller

J. Mammal. 21: 444, 14 Nov 1940a.

Holotype: USNM 255370. Skin and skull. Adult female. Collected Jan 1930 by D. C. Graham. Original number 370.

Type Locality: Mount Omei (Emei Shan), altitude 5,000 ft (1,524 m), Szechuan (Sichuan), China.

Talpa parvidens G. S. Miller

J. Mammal. 21: 203, 14 May 1940b.

= *Euroscaptor parvidens* (G. S. Miller, 1940). See G. S. Miller (1940a:444).

Holotype: USNM 258342. In alcohol, skull removed. Adult male, not female as given in the original description (G. S. Miller, 1940a:444). Collected 13 Jun 1933 by E. Poilane. No original number.

Type Locality: Agricultural station of Blao (Bao Loc), [Note in type file: altitude 800 m], Delegation de Djynrinh, near upper Donai river, Annam (Lam Dong), French Indo-China (Vietnam).

Genus *Neurotrichus* Gunther, 1880

Neurotrichus gibbsi major Merriam

N. Am. Fauna 16: 88, 28 Oct 1899.

= *Neurotrichus gibbsii gibbsii* (Baird, 1857). See G. S. Miller (1924:16).

Holotype: USNM 65321. Skin and skull. Adult male. Collected 18 May 1894 by C. P. Streater. Original number 3789.

Type Locality: Carberry Ranch, altitude 4,100 ft (1,250 m), [FC: 4,050 ft (1,234 m)], between Mounts Shasta and Lassen, [FC: 50 mi (80 km) NE of Redding on stage road to Alturas (Alturas)], Shasta County, California.

Urotrichus gibbsii Baird

Mammals Rep. Explor. Surv. 8(1): 76, 1857.

= *Neurotrichus gibbsii gibbsii* (Baird, 1857). See Gunther (1880:pl. 42).

Holotype: USNM 662/1843. Skin and skull. Immature of unknown sex. Collected [MC: 15] Jul 1854 by G. Gibbs. Original number 15.

Type Locality: White River, Cascade Mountains, W. T. (Washington). Restricted by Dalquest and Burgner (1941:12) to Naches Pass, 4,500 ft (1,372 m), Pierce County, Washington.

Genus *Scalopus* E. Geoffroy, 1803

Scalopus aquaticus caryi Jackson

Proc. Biol. Soc. Wash. 27: 20, 2 Feb 1914a.

Holotype: USNM 116799. Skin and skull. Young adult male. Collected 18 Sep 1901 by M. Cary. Original number 307. [SL: 3640-X].

Type Locality: Neligh, [Antelope County], Nebraska.

Scalopus aquaticus howelli Jackson

Proc. Biol. Soc. Wash. 27: 19, 2 Feb 1914a.

Holotype: USNM 177931. Skin and skull. Adult male. Collected 4 Jan 1912 by L. S. Golsan. No original number. [SL: 8877-X].

Type Locality: Autaugaville, [Autauga County], Alabama.

Scalopus aquaticus machrinoides Jackson

Proc. Biol. Soc. Wash. 27: 19, 2 Feb 1914a.

Holotype: USNM 169717. Skin and skull. Adult male. Collected 1 Jun 1910 by W. E. Berg. Original number [XC: 16]. [SL: 8139-X].

Type Locality: Manhattan, [Riley County], Kansas.

Scalopus aquaticus pulcher Jackson

Proc. Biol. Soc. Wash. 27: 20, 2 Feb 1914a.

= *Scalopus aquaticus aereus* (Bangs, 1896). See Yates and Schmidly (1977:25).

Holotype: USNM 170698. Skin and skull. Adult male. Collected 20 Jan 1911 by W. G. Savage. Original number [XC: 58]. [SL: 8316-X].

Type Locality: Delight, [Pike County], Arkansas.

Scalopus inflatus Jackson

Proc. Biol. Soc. Wash. 27: 21, 2 Feb 1914a.

= *Scalopus aquaticus inflatus* Jackson, 1914. See Yates and Schmidly (1977:28).

Holotype: USNM 52709. Skin and skull, Young adult, sex unknown. Collected 1893 by F. B. Armstrong. Original number [SL: 1].

Type Locality: 45 mi (72 km) from Brownsville, Texas [in] Tamaulipas, Mexico.

Genus *Scapanus* Pomel, 1848

Scalops aeneus Cassin

Proc. Acad. Nat. Sci. Phila. 6: 299, reported favorably for publication 22 Feb 1853. Receipt acknowledged 13 Apr 1853 by the Smithsonian Institution.

= *Scapanus townsendii townsendii* (Bachman, 1839). See True (1896:51).

Holotype: USNM 3725. Skin only. Adult, [sex unknown]. Collected on unknown date by the U.S. Exploring Expedition. No original number. [MC: Cataloged on 20 Dec 1859].

Type Locality: Oregon.

Remarks: As stated by Lyon and Osgood (1909:233), the original description was based on a single specimen in the collection of the Exploring Expedition. The above listed specimen has a U.S. Exploring Expedition label and is undoubtedly this "single specimen."

Scapanus alpinus Merriam

Proc. Biol. Soc. Wash. 11: 102, 26 Apr 1897d.
= *Scapanus latimanus dilatatus* True, 1894. See Palmer (1937:291).
Holotype: USNM 79967. [Skin and skull]. Adult male. Collected 18 Aug 1896 by V. Bailey. Original number 5784.
Type Locality: Crater Lake, altitude about 7,000 ft (2,120 m), Mount Mazama, [Klamath County], Oregon.

Scapanus dilatatus True

Proc. U.S. Natl. Mus. 17: 2, 24 Apr 1894b. Preprint of Proc. U.S. Natl. Mus. 17: 242, 15 Nov 1894c.
= *Scapanus latimanus dilatatus* True, 1894. See Jackson (1915:72).
Holotype: USNM 186628. [Skull and] skeleton. [MCC: Adult].
Collected in 1883 by C. E. Bendire. No original number. Merriam collection number 1286.
Type Locality: Fort Klamath, [Klamath County], Oregon.
Remarks: Published as Merriam collection number 1286. Cataloged USNM 186628 on 3 Nov 1911.

Scapanus latimanus sericatus Jackson

Proc. Biol. Soc. Wash. 27: 55, 20 Mar 1914b.
Holotype: USNM 109548. Skin and skull. Adult female. Collected 20 Aug 1901 by W. K. Fisher. Original number 2227.
Type Locality: Yosemite, [G. S. Miller (1924:12): Yosemite Valley], Mariposa County, California.

Scapanus orarius True

Proc. U.S. Natl. Mus. 19: 52, 21 Dec 1896.
= *Scapanus orarius orarius* True, 1896.
Holotype: USNM 1381/37434. Skin and skull. Adult female. Collected 30 Aug 1855 by J. G. Cooper. No original number.
Type Locality: Shoalwater (Willapa) Bay, [Pacific County], Washington.
Remarks: Published as USNM 1381, to which 37434 belongs.

Scapanus orarius schefferi Jackson

N. Am. Fauna 38: 63, 30 Sep 1915.
Holotype: USNM 204997. Skin and skull. Adult male. Collected 8 Aug 1914 by T. H. Scheffer. No original number. [SL: 11231-X].
Type Locality: Walla Walla, Walla Walla County, Washington.

Scapanus truei Merriam

Proc. Biol. Soc. Wash. 11: 102, 26 Apr 1897d.
= *Scapanus latimanus dilatatus* True, 1894. See Jackson (1915:72).
Holotype: USNM 79290. [Skin and skull]. Adult, sex not given. Collected 15 June 1896 by C. P. Streater. Original number 5289.
Type Locality: Lake City, Modoc County, California.

ORDER CHIROPTERA BLUMENBACH, 1779

FAMILY PTEROPODIDAE GRAY, 1821

Genus *Acerodon* Jourdan, 1837

Pteropus arquatus Miller and Hollister

Proc. Biol. Soc. Wash. 34: 100, 30 Jun 1921.
= *Acerodon celebensis* (Peters, 1867). See Musser et al. (1982:319).
Holotype: USNM 218612. Skin and skull. Adult male. Collected 5 Jan 1917 by H. C. Raven. Original number 3067.
Type Locality: Koelawi (Kulawi), [Sulawesi Tengah], Middle Celebes (Sulawesi), [Indonesia].

Genus *Cynopterus* F. Cuvier, 1824

Cynopterus angulatus G. S. Miller

Proc. Acad. Nat. Sci. Phila. 50: 316, 25 Jul 1898b.
= *Cynopterus sphinx angulatus* G. S. Miller, 1898. See Hill and Thonglongya (1972:175).
Holotype: USNM 83569. In alcohol, [skull removed]. Adult male. Collected in 1896 by W. L. Abbott. No original number.
Type Locality: [MC: Lay Song Hong], Trong (Trang), Lower Siam (Thailand).

Cynopterus babi Lyon

Proc. U.S. Natl. Mus. 52: 438, 30 Dec 1916.
= *Cynopterus sphinx babi* Lyon, 1916. See Kitchener and Maharatunkamsi (1991:308).
Holotype: USNM 114269. Skin and skull. [Poole and Schantz (1942:137): Adult] [MC: female]. Collected 8 Jan 1902 by W. L. Abbott. Original number 1411.
Type Locality: Pulo (Pulau) Babi, [FC: 17 mi (27 km) SE of Simalur Island (Pulau Simeulue)], [Aceh, Sumatra, Indonesia].

Cynopterus major G. S. Miller

Proc. Biol. Soc. Wash. 19: 62, 1 May 1906d.
= *Cynopterus titthaechilus major* G. S. Miller. See Hill (1983:121).
Holotype: USNM 141236. Skin and skull. Adult male. Collected 10 Mar 1905 by W. L. Abbott. Original number 4021.
Type Locality: Mojeia River, Nias Island (Pulau Nias), [Sumatera Utara], west Sumatra, [Indonesia].

Cynopterus minutus G. S. Miller

Proc. Biol. Soc. Wash. 19: 63, 1 May 1906d.
Holotype: USNM 141240. Skin and skull. Adult male. Collected 11 Mar 1905 by W. L. Abbott. Original number 4043.
Type Locality: [FC: Mojeia River], Nias Island (Pulau Nias), [Sumatera Utara], west Sumatra, [Indonesia].

Cynopterus pagensis G. S. Miller

Proc. Biol. Soc. Wash. 19: 62, 1 May 1906d.

= *Cynopterus sphinx pagensis* G. S. Miller, 1906. See Hill (1983:118).

Holotype: USNM 121581. Skin and skull. Adult female. Collected 12 Nov 1902 by W. L. Abbott. Original number 2028.

Type Locality: North Pagi Island (Pulau Pagai Utara), [Sumatera Barat], west Sumatra, [Indonesia].

***Cynopterus princeps* G. S. Miller**

Proc. Biol. Soc. Wash. 19: 61, 1 May 1906d.

= *Cynopterus horsfieldii princeps* G. S. Miller, 1906. See Corbett and Hill (1992:72).

Holotype: USNM 141235. Skin and skull. Adult female. Collected 10 Mar 1905 by W. L. Abbott. Original number 4020.

Type Locality: Mojeia River, Nias Island (Pulau Nias), [Sumatera Utara], west Sumatra, [Indonesia].

***Cynopterus sphinx serasani* Paradiso**

Proc. Biol. Soc. Wash. 84: 296, 4 Nov 1971.

Holotype: USNM 104744. Skin and skull. Adult male. Collected 10 Jun 1900 by W. L. Abbott. Original number [SL: 472].

Type Locality: Serasan Island (Pulau Serasan), Natuna Islands (Kepulauan Natuna Selatan), [Kepulauan Riau], Indonesia.

***Niadias* [sic.] *minor* Lyon**

Proc. U.S. Natl. Mus. 34: 665, 14 Sep 1908. Junior secondary homonym of *Cynopterus* (*Cynonycteris*) *minor* Trouessart, 1878. Replaced with *Cynopterus horsfieldii lyoni* by Andersen (1912:827).

= *Cynopterus horsfieldii harpax* Thomas and Wroughton, 1909. See Koopman (1994:33).

Holotype: USNM 144264. In alcohol, [skull removed]. Nearly adult male. Collected 14 Dec 1906 by W. L. Abbott. Original number 4951.

Type Locality: Confluence of the Gasip (Sungai Gasip) and Siak (Sungai Siak) Rivers [FC: Siak River (Sungai Siak) near mouth of Gasip River (Sungai Gasip), [Riau], eastern Sumatra, [Indonesia].

Remarks: *Niadias* is an incorrect subsequent spelling of *Niadus* G. S. Miller, 1906.

Genus *Eonycteris* Dobson, 1873

***Eonycteris robusta* G. S. Miller**

Proc. Biol. Soc. Wash. 26: 73, 22 Mar 1913d.

Holotype: USNM 175849. In alcohol, [skull removed]. Collected 5 Jul 1908 by P. Bartsch. No original number.

Type Locality: In cave at Montalban, [Rizal], Luzon, Philippine Islands (Philippines).

Genus *Harpyionycteris* Thomas, 1896

***Harpyionycteris celebensis* Miller and Hollister**

Proc. Biol. Soc. Wash. 34: 99, 30 Jun 1921.

Holotype: USNM 219349. Skin and skull. Adult female. Collected 23 Aug 1917 by H. C. Raven. Original number 3176.

Type Locality: Gimpoe (Gimpu), [Sulawesi Tengah], Middle Celebes (Sulawesi), [Indonesia].

Genus *Pteropus* Brisson, 1762

***Pteropus aldabrensis* True**

Proc. U.S. Natl. Mus. 16: 1, 14 Jul 1893a. Preprint of Proc. U.S. Natl. Mus. 16: 533, 21 Oct 1893b.

Syntypes: USNM 20984/36053 and 20985/36054. Skins and skulls. Adult males. Collected 26 Sep and 5 Oct 1892 respectively by W. L. Abbott. No original numbers.

Type Locality: Aldabra Island, [SL: northwest of Madagascar], [Seychelles].

Remarks: Type not designated in original description but the two specimens given above were listed by number and therefore are syntypes (ICZN, 1999: Article 73.2).

***Pteropus balutus* Hollister**

Proc. Biol. Soc. Wash. 26: 111, 3 May 1913c.

= *Pteropus pumilus* G. S. Miller, 1911. See Klingener and Creighton (1984:395).

Holotype: USNM 144760. Skin and skull. Adult female. Collected 23 Jan 1906 by E. A. Mearns. Original number 6021.

Type Locality: Balut Island, Serangani Group, [Davao del Sur Province], south of Mindanao, Philippine Islands (Philippines).

***Pteropus baveanus* G. S. Miller**

Proc. Biol. Soc. Wash. 19: 63, 1 May 1906d.

= *Pteropus alecto aterrimus* Matchie, 1899. See Corbet and Hill (1992:64).

Holotype: USNM 125482. Skin and skull. Adult male. Collected 19 Jul 1904 by W. Grasshoff. Original number 16.

Type Locality: Bawean Island (Pulau Bawean), Java Sea. [Jawa Timur, Java, Indonesia].

***Pteropus cagayanus* Mearns**

Proc. U.S. Natl. Mus. 28: 433, 13 May 1905.

= *Pteropus hypomelanus cagayanus* Mearns, 1905. See Andersen (1912:121).

Holotype: USNM 125289. Skin and skull. Adult male. Collected 25 Feb 1904 by E. A. Mearns. Original number 5755.

Type Locality: Cagayan Sulu Island, near west side of the Sulu Sea, [Tawi Tawi Province], Philippine Islands (Philippines).

***Pteropus coxi* Helgen, Helgen, and Wilson**

Am. Mus. Novit. 3646: 14, 25 Jun 2009.

Holotype: USNM 3791/3953. Skin and skull; the skull is now lost. Probably male. Collected by the U.S. Exploring Expedition of 1838–1842. No original number.

Type Locality: Samoan Islands.

***Pteropus enganus* G. S. Miller**

Proc. U.S. Natl. Mus. 30: 822, 4 Jun 1906e.

= *Pteropus hypomelanus enganus* G. S. Miller, 1906. See Andersen (1908:364).

Holotype: USNM 140966. Skin and skull. Adult male. Collected 4 Nov 1904 by W. L. Abbott. Original number 3774.
Type Locality: Pulo (Pulau) Dua, Engano (Pulau Enggano), [Bengkulu, Sumatra, Indonesia].

***Pteropus faunulus* G. S. Miller**

Proc. U.S. Natl. Mus. 24: 785, 29 May 1902a.
Holotype: USNM 111730. Skin and skull. Adult male. Collected 23 Jan 1901 by W. L. Abbott. Original number 864.
Type Locality: Car Nicobar, [Andaman and Nicobar Islands, India].

***Pteropus geminorum* G. S. Miller**

Smithson. Misc. Collect. 45: 60, 6 Nov 1903a.
= *Pteropus hypomelanus geminorum* G. S. Miller, 1903. See Andersen (1908:363).
Holotype: USNM 104464. Skin and skull. Adult female. Collected 28 Jan 1900 by W. L. Abbott. Original number 283.
Type Locality: South Twin Island, Mergui Archipelago, [Tanintharyi, Burma].

***Pteropus lanensis* Mearns**

Proc. U.S. Natl. Mus. 28: 432, 13 May 1905.
= *Pteropus vampyrus lanensis* Mearns, 1905. See Andersen (1908:368).
Holotype: USNM 123291. Skin and skull. Adult male. Collected 7 Sep 1903 by E. A. Mearns. Original number 5626.
Type Locality: [FC: Camp] Pantar, near Lake Lanao, altitude 1,907 ft (581m), Mindanao, [Lanao del Sur Province], Philippine Islands (Philippines).

***Pteropus lanigera* H. Allen**

Proc. Am. Philos. Soc. 28: 70, 10 May 1890a.
= *Pteropus pelagicus insularis* Jacquinet and Pucheran, 1853. See Buden et al. (2013:113) for current use.
Lectotype: USNM 19066/37815 as designated by Helgen (2001:99). Skin and skull. Age and sex not given. Collector and date of collection unknown. Original number [SL: Wards Natural Science Establishment 4397].
Type Locality: Samoa Islands. Restricted to Caroline Islands by Andersen (1912:298) and probably Chuuk Lagoon Islands, [Federated States of Micronesia], by Buden et al. (2013:128).
Remarks: This specimen was purchased from Wards in Aug 1890 and the skin was cataloged on 21 Aug 1890; the skull on 14 Nov 1899. Long considered the type by Lyon and Osgood (1909:257) and Poole and Schantz (1942:141), Helgen (2001:99) formally made it the lectotype.

***Pteropus lepidus* G. S. Miller**

Proc. Wash. Acad. Sci. 2: 237, 20 Aug 1900a.
= *Pteropus hypomelanus lepidus* G. S. Miller, 1900. See Andersen (1908:361).
Holotype: USNM 101670. Skin and skull. Adult female. Collected 15 Aug 1899 by [MC: W. L. Abbott]. No original number.

Type Locality: Kaju Ara or Saddle Island (Pulau Mendarik), Tambelan Islands (Kepulauan Tambelan), [Kepulauan Riau, Indonesia].

***Pteropus mearnsi* Hollister**

Proc. Biol. Soc. Wash. 26: 112, 3 May 1913c.
= *Pteropus speciosus* Andersen, 1908. See Heaney et al. (1987:39).
Holotype: USNM 144739. Skin and skull. Adult male. Collected 26 Jan 1906 by E. A. Mearns. Original number 6024.
Type Locality: Isabella (Isabela), Basilan Island, [Basilan Province], Philippine Islands (Philippines).

***Pteropus niadicus* G. S. Miller**

Proc. Biol. Soc. Wash. 19: 64, 1 May 1906d.
= *Pteropus melanotus niadicus* G. S. Miller, 1906. See Koopman (1994:24).
Holotype: USNM 141233. Skin and skull. Adult male. Collected 5 Mar 1905 by W. L. Abbott. Original number 3981.
Type Locality: Teliwaa, Nias Island (Pulau Nias), [Sumatera Utara], Sumatra, [Indonesia].

***Pteropus pumilus* G. S. Miller**

Proc. U.S. Natl. Mus. 38: 394, 19 Aug 1910.
Holotype: USNM 144758. Skin and skull. Adult male. Collected 21 Jan 1906 by [MC: E. A. Mearns]. Original number 6019.
Type Locality: Palmas Island (Pulau Miangas), southeast of Mindanao, [Sulawesi Utara, Indonesia].

***Pteropus samoensis* Peale**

U.S. Explor. Exped. 8: 20, 1848.
= *Pteropus samoensis samoensis* Peale, 1848.
Lectotype: USNM 8597/37860 as designated by Helgen et al. (2009:22). Skin and skull. Age and sex not given. Collected on unknown date by the U.S. Exploring Expedition. [MC: Skin cataloged on 30 Jul 1866; the skull on 21 Feb 1900]. No original number.
Type Locality: Tutuila Island, [American Samoa].
Remarks: Three specimens had long been considered syntypes of this taxon, (see Lyon and Osgood, 1909:258; Poole and Schantz, 1942:142), until Helgen et al. (2009:22) designated USNM 8597/37860 as the lectotype.

***Pteropus vociferus* Peale**

U.S. Explor. Exped. 8: 19, 1848.
= *Pteropus hypomelanus*? Temminck, 1853. See Andersen (1912:120) who discussed *vociferus* under *P. hypomelanus tomesi* but considered it to be undeterminable. Simmons (2005:338) stated that *vociferus* Peale, 1848 may be an older name for *P. hypomelanus* Temminck, 1853.
Holotype: USNM 3961. Skin only. [SL: Adult] male. Collected on unknown date by the U.S. Exploring Expedition. [MC: Cataloged 31 May 1860. Original number 7].
Type Locality: Island of Mangsi, straits of Balabac, [Palawan Province, Philippines].

Remarks: A type was not designated by number in the original description, but Peale (1848:19) mentions only a single specimen from the type locality. USNM 3961 is unquestionably it and is therefore a holotype fixed by monotypy (ICZN, 1999: Article 73.1.2).

FAMILY RHINOLOPHIDAE GRAY, 1825

Genus *Rhinolophus* Lacepede, 1799

Rhinolophus affinis nesites Andersen

Proc. Zool. Soc. London 1905 2: 104, 17 Oct 1905a.

Holotype: USNM 104753. In alcohol, [skull removed]. Adult female. Collected 24 Jul 1900 by W. L. Abbott. No original number.

Type Locality: Bunguran Island (Pulau Natuna Besar), N. Natunas (Kepulauan Natuna Besar), [Kapulauan Riau, Indonesia].

Rhinolophus circe Andersen

Proc. U.S. Natl. Mus. 29: 657, 7 Mar 1906a.

= *Rhinolophus acuminatus circe* Andersen, 1906. See Chasen (1940:39).

Holotype: USNM 141343. In alcohol, [skull removed]. Adult male. Collected [FC: 15 Mar 1905] by W. L. Abbott. Original number 4094.

Type Locality: [FC: Mojeia River], [Pulau] Nias, [Sumatera Utara, Sumatra, Indonesia].

Rhinolophus coelophyllus shameli Tate

Am. Mus. Novit. 1219: 3, 17 Feb 1943.

= *Rhinolophus shameli* Tate, 1943. See Hill and Thonglongya (1972:183).

Holotype: USNM 267255. Skin and skull. Male, age not given. Collected [SL: 12 May 1937] by H. G. Deignan. Original number [SL: 157].

Type Locality: Ko Chang Island, Gulf of Siam, [Trat, Thailand].

Rhinolophus hirsutus Andersen

Ann. Mag. Nat. Hist. (series 7) 16: 289, Sep 1905b.

= *Rhinolophus macrotis hirsutus* Andersen, 1905. See Tate (1943:2).

Holotype: USNM 105487. In alcohol, [skull removed]. Adult female. Collected [MC: Dec 1887] by J. B. Steere. No original number.

Type Locality: Guimaras Island, [Guimaras Province], Philippine Islands (Philippines).

Rhinolophus inops Andersen

Ann. Mag. Nat. Hist. (series 7) 16: 284, Sep 1905c.

Holotype: USNM 125314. In alcohol, [skull removed]. Adult male. Collected 8 Jul 1904 by E. A. Mearns. Original number 5713.

Type Locality: Jodaya (Todaya), altitude 4,000 ft (1,219 m), Mount Apo, [Davao del Sur], Mindanao, [Philippines].

Rhinolophus keniensis Hollister

Smithson. Misc. Collect. 66(1): 2, 10 Feb 1916c.

= *Rhinolophus clivosus keniensis* Hollister, 1916. See Koopman (1975:384).

Holotype: USNM 166352. In alcohol, skull removed. Adult male. Collected 27 Aug 1909 by E. Heller. Original number 1154.

Type Locality: [FC: Base camp], West side of Mount Kenia (Kenya), altitude 7,000 ft (2,134 m), British East Africa (Kenya).

Rhinolophus mehelyi tuneti Deleuil and Labbe

Bull. Soc. Sci. Nat. Tunis. 8: 3, 1955.

Neotype: USNM 498999 as designated by Cockrum (1977:686). Skin and skull. Male, age not given. Collected 4 May 1975 by T. and P. Vaughan. Original number TPV 3244.

Type Locality: [SL: At bat cave] 4 km NE El Haouaria, [Nabeul], Tunisia.

Remarks: A type was not designated in the original publication and the type series was lost. Cockrum (1977:686) incorrectly gave the specimen number as USNM 498998 in the neotype designation.

Rhinolophus minutus G. S. Miller

Proc. Wash. Acad. Sci. 2: 235, 20 Aug 1900a. Primary junior homonym of *Vespertilio minutus* Montagu, 1808 applied to the British race of *Rhinolophus hipposideros*. See Andersen (1905b:129). Renamed *Rhinolophus minutillus* by G. S. Miller (1906f:41).

= *Rhinolophus pusillus minutillus* G. S. Miller, 1906. See Hill and Yoshiyuki (1980:186).

Holotype: USNM 101715. In alcohol, [skull removed]. Adult male. Collected Sep 1899 by W. L. Abbott. No original number.

Type Locality: Pulo (Pulau) Siantan, Anambas Islands (Kepulauan Anambas), [Kepulauan Riau, Indonesia].

Rhinolophus nereis Andersen

Proc. Zool. Soc. London 1905 2: 90, 17 Oct 1905a.

Holotype: USNM 101714. In alcohol, [skull removed]. Adult female. Collected Sep 1899 by W. L. Abbott. No original number.

Type Locality: Pulo (Pulau) Siantan, Anambas Group (Kepulauan Anambas), [Kepulauan Riau, Indonesia].

Rhinolophus solitarius Andersen

Ann. Mag. Nat. Hist. (series 7) 16: 250, Aug 1905d.

= *Rhinolophus trifoliatus solitarius* Andersen, 1905. See Chasen (1940:41).

Holotype: USNM 124767. In alcohol, [skull removed]. Adult male. Collected 18 Jun 1904 by W. L. Abbott. Original number [SL: 3415].

Type Locality: Tanjong Pamuja, Banka (Pulau Bangka), [Kepulauan Bangka Belitung, Sumatra, Indonesia].

Rhinolophus spadix G. S. Miller

Proc. Wash. Acad. Sci. 3: 136, 26 Mar 1901a.

= *Rhinolophus borneensis spadix* G. S. Miller, 1901. See Chasen (1940:37).

Holotype: USNM 104752. In alcohol, [skull removed]. Adult female. Collected [MC: 5] Jun 1900 by [MC: W. L. Abbott]. No original number.

Type Locality: Sirhassen Island (Pulau Serasan), South Natunas (Kepulauan Natuna Selatan), [Kepulauan Riau, Indonesia].

Rhinolophus trifoliatus niasensis Andersen

Proc. U.S. Natl. Mus. 29: 658, 7 Mar 1906a.

Holotype: USNM 141350. In alcohol, originally in formalin, [skull removed]. Adult male. Collected 15 Mar 1905 by W. L. Abbott. Original number 4088.

Type Locality: [FC: Mojeia River], [Pulau] Nias, [Sumatera Utara, Sumatra, Indonesia].

Rhinolophus virgo Andersen

Proc. Zool. Soc. London 1905 2: 88, 17 Oct 1905a.

Holotype: USNM 101966. In alcohol, [skull removed]. Adult female. Collected 1899–1900 by L. M. McCormick. No original number.

Type Locality: [FC: Cave near Pasacao], Luzon, Province of S. Camarines (Camarines Sur), Philippine Islands (Philippines).

FAMILY HIPPOSIDERIDAE LYDEKKER, 1891**Genus *Coelops* Blyth, 1848***Chilophylla hirsuta* G. S. Miller

Proc. U.S. Natl. Mus. 38: 395, 19 Aug 1910.

= *Coelops robinsoni hirsutus* (G. S. Miller, 1910). See Corbet and Hill (1992:116).

Holotype: USNM 144821. In alcohol, skin only. Adult female. Collected 2 Dec 1906 by E. A. Mearns. Original number 6337.

Type Locality: Alag River, opposite mouth of Egbert River, [Oriental Mindoro Province], Mindoro, [Philippines].

Remarks: G. S. Miller (1910:395) noted that the entire specimen was supposed to be in alcohol, but that he could find only the skin; that remains the case today.

Coelops inflata G. S. Miller

Proc. Biol. Soc. Wash. 41: 85, 16 Mar 1928.

= *Coelops frithii inflatus* G. S. Miller, 1928. See Simmons (2005:367).

Holotype: USNM 238991. In alcohol, [skull removed]. Adult male. Collected 7 Apr 1922 by A. de C. Sowerby. Original number 1277.

Type Locality: Near Yen-ping-fu (Nanping), altitude 2,000 ft (610 m), Fukien (Fujian), China.

Genus *Hipposideros* Gray, 1831*Hipposideros barbensis* G. S. Miller

Proc. Wash. Acad. Sci. 2: 233, 20 Aug 1900a.

= *Hipposideros larvatus barbensis* G. S. Miller, 1900. See Chasen (1940:46).

Holotype: USNM 101625. Skin and skull. Adult male. Collected 1 Aug 1899 by [MC: W. L. Abbott]. No original number.

Type Locality: Ste. Barbe Island (Pulau Pejantan), [SL: China Sea], [Kepulauan Riau, Indonesia].

Hipposideros bicolor gilberti Johnson

Proc. Biol. Soc. Wash. 72: 183, 4 Nov 1959.

= *Hipposideros ater gilberti* Johnson, 1959. See Hill (1963:33).

Holotype: USNM 284170. Skin and skull. Adult male. Collected 1 Nov 1948 by D. H. Johnson. Original number 5936.

Type Locality: Oenpelli (Gunbalanya), East Alligator River, lat. 12°21'S, long. 133°04'E, Northern Territory, Australia.

Hipposideros gentilis toala Shamel

J. Mammal. 21: 352, 13 Aug 1940b.

= *Hipposideros ater saevus* Andersen, 1918. See Hill (1963:30).

Holotype: USNM 219390. In alcohol, [skull removed]. Adult female. Collected 16 Sep 1917 by H. C. Raven. Original number [SL: 3255].

Type Locality: [MC: Bada], Toeare (Tuare), [Sulawesi Tengah], Celebes (Sulawesi), [Indonesia].

Hipposideros insolens Lyon

Proc. U.S. Natl. Mus. 40: 129, 25 Apr 1911b.

= *Hipposideros galeritus insolens* Lyon, 1911. See Jenkins and Hill (1981:286).

Holotype: USNM 154389. In alcohol, [skull removed]. Adult male. Collected 31 Dec 1908 by W. L. Abbott. Original number 6274.

Type Locality: Near Lowatsi on the upper Pasir River (Sungai Pasir), [Kalimantan Timur], southeastern Borneo (Kalimantan), [Indonesia].

Hipposideros nicobarulae G. S. Miller

Proc. U.S. Natl. Mus. 24: 781, 29 May 1902a.

See Douangboubpha et al. (2011:73) for current use.

Holotype: USNM 111874. In alcohol, [skull removed]. Adult male. Collected 2 Mar 1901 by W. L. Abbott. No original number.

Type Locality: Little Nicobar, [FC: Nicobar Islands], [Andaman and Nicobar Islands, India].

Hipposideros pelingensis Shamel

J. Mammal. 21: 353, 13 Aug 1940b.

Holotype: USNM 219433. In alcohol, [skull removed]. Adult male, not female as given in original description. Collected May 1918 by H. C. Raven. Original numbers [FC: 3571 and 8 P].

Type Locality: [FC: Near Liang], Peling Island (Pulau Peling), [Sulawesi Tengah], Celebes (Sulawesi), [Indonesia].

FAMILY MEGADERMATIDAE H. ALLEN, 1864

Genus *Lavia* Gray, 1838

Lavia rex G. S. Miller

Proc. Biol. Soc. Wash. 18: 227, 9 Dec 1905a.

= *Lavia frons rex* G. S. Miller, 1905. See Koopman (1975:383).

Holotype: USNM 18993/38197. In alcohol, skull removed.

Adult male. Collected in 1889 by W. L. Abbott. No original number.

Type Locality: Taveta, [Coast Province], German (British) East Africa (Kenya).

Genus *Megaderma* E. Geoffroy, 1810

Megaderma carimatae G. S. Miller

Proc. U.S. Natl. Mus. 31: 63, 23 Jul 1906a.

= *Megaderma spasma carimatae* G. S. Miller, 1906. See Chasen (1940:34).

Holotype: USNM 125185. In alcohol, [skull removed]. Adult female. Collected 31 Aug 1904 by W. L. Abbott. Original number 3709.

Type Locality: Tanjung Karimata Tua, Karimata Island (Pulau Karimata), [Kalimantan Barat, Borneo (Kalimantan), Indonesia].

Megaderma lasiae Lyon

Proc. U.S. Natl. Mus. 52: 439, 30 Dec 1916.

= *Megaderma spasma lasiae* Lyon, 1916. See Chasen (1940:34).

Holotype: USNM 114249. Skin and skull. [Poole and Schantz (1942:119): Adult] [SL: male]. Collected 6 Jan 1902 by W. L. Abbott. Original number 1401.

Type Locality: Pulo (Pulau) Lasia, [FC: 14 mi (23 km) SE of Simalur Island (Pulau Simeulue)], [Aceh, Sumatra, Indonesia].

Megaderma niasense Lyon

Proc. U.S. Natl. Mus. 52: 440, 30 Dec 1916.

= *Megaderma spasma niasense* Lyon, 1916. See Chasen (1940:35).

Holotype: USNM 141305. In alcohol, [skull removed]. Adult male. Collected 13 Mar 1905, not 15 as in original description, by W. L. Abbott. Original number 4066.

Type Locality: Pulo (Pulau) Nias, Mojeia River, [Sumatera Utara, Sumatra, Indonesia].

Megaderma siumatis Lyon

Proc. U.S. Natl. Mus. 52: 439, 30 Dec 1916.

= *Megaderma spasma siumatis* Lyon, 1916. See Chasen (1940:35).

Holotype: USNM 114227. Skin and skull. Adult female. Collected 27 Dec 1901 by W. L. Abbott. Original number 1390.

Type Locality: Pulo (Pulau) Siumat, [Aceh, Sumatra, Indonesia].

Megaderma spasma celebensis Shamel

J. Mammal. 21: 352, 13 Aug 1940b.

Holotype: USNM 216945. Skin and skull. Adult male. Collected 26 Feb 1916 by H. C. Raven. Original number [SL: 2404].

Type Locality: Likoepang (Likupang), [Sulawesi Utara], Celebes (Sulawesi), [Indonesia].

FAMILY RHINOPOMATIDAE BONAPARTE, 1838

Genus *Rhinopoma* E. Geoffroy, 1818

Rhinopoma microphyllum harrisoni Schlitter and DeBlase

Mammalia 38: 658, 30 Jun 1975.

See Akmal et al. (2011:288) for current use.

Holotype: USNM 350124. Skin and skull. Adult male. Obtained 18 Nov 1963 and prepared by H. W. Setzer. Original number 3094.

Type Locality: 10 km SE Kazerun, 29°34'N, 51°46'E, Fars Province, Iran.

FAMILY EMBALLONURIDAE GERVAIS, 1855

Genus *Emballonura* Temminck, 1838

Emballonura anambensis G. S. Miller

Proc. Wash. Acad. Sci 2: 236, 20 Aug 1900a.

= *Emballonura alecto anambensis* G. S. Miller, 1900. See Corbet and Hill (1992:84).

Holotype: USNM 101716. In alcohol, [skull removed]. Adult female. Collected 26 Aug 1899 by [W. L. Abbott]. No original number.

Type Locality: Pulo Mobur (Pulau Mubur), Anamba Islands (Kepulauan Anambas), [Kepulauan Riau, Indonesia].

Emballonura peninsularis G. S. Miller

Proc. Acad. Nat. Sci. Phila. 50: 323, 25 Jul 1898b.

= *Emballonura monticola* Temminck, 1838. See Tate and Archbold (1939:8).

Holotype: USNM 83575. In alcohol, [skull removed]. Adult male. Collected Nov 1896 by W. L. Abbott. No original number.

Type Locality: [MC: Lay Song Hong], Trong (Trang), Lower Siam (Thailand).

Emballonura pusilla Lyon

Proc. U.S. Natl. Mus. 40: 132, 25 Apr 1911b.

= *Emballonura monticola* Temminck, 1838. See Tate and Archbold (1939:8).

Holotype: USNM 153940. In alcohol, skull removed. Adult female. Collected 29 Sep 1908 by W. L. Abbott. Original number 6222, not 6223 as in original publication.

Type Locality: Mankol, Kendawangan River (Sungai Kendawangan), [Kalimantan Barat], southwestern Borneo (Kalimantan), [Indonesia].

***Emballonura sulcata* G. S. Miller**

Proc. Biol. Soc. Wash. 24: 161, 16 Jun 1911e.
 = *Emballonura semicaudata sulcata* G. S. Miller, 1911. See Kuroda (1938:91).
 Holotype: USNM 151568. Skin and skull. Adult, sex not given. Collected 16 Feb 1900 by H. F. Moore. No original number.
 Type Locality: Uola Island (Weno), Truk Group, [Chuuk], Caroline Islands, [Federated States of Micronesia].

***Vespertilio semicaudatus* Peale**

U.S. Explor. Exped. 8: 23, 1848.
 = *Emballonura semicaudata semicaudata* (Peale, 1848). See Wagner (1855:698).
 Holotype: USNM 3727. [Mummy without skull. Sex and age unknown]. Collected on unknown date by the U.S. Exploring Expedition. [MC: Cataloged on 20 Dec 1859].
 Type Locality: Samoan Islands.
 Remarks: The type was not designated by number in the original description, but the description was based on a single specimen collected by the U.S. Exploring Expedition. This is the only specimen from the Expedition known to be extant and undoubtedly the holotype by monotypy (ICZN, 1999: Article 73.1.2).

Genus *Saccolaimus* Temminck, 1838***Taphonycteris capito* Hollister**

Proc. U.S. Natl. Mus. 46: 308, 31 Dec 1913a.
 = *Saccolaimus saccolaimus pluto* (G. S. Miller, 1910). See Simmons (2005:382).
 Holotype: USNM 155149. Skin and skull. Adult female. Collected in 1909 by D. B. Mackie. Original number [SL: 1].
 Type Locality: Pandan, [Catanduanes Province], Catanduanes Island, [Philippines].

***Taphozous pluto* G. S. Miller**

Proc. U.S. Natl. Mus. 18: 396, 19 Aug 1910.
 = *Saccolaimus saccolaimus pluto* (G. S. Miller, 1910). See Simmons (2005:382).
 Holotype: USNM 144812. Skin and skull. Adult female. Collected 28 Mar 1906 by E. A. Mearns. Original number 6054.
 Type Locality: Mercedes, 9 mi (14 km) east of Zamboanga, [Zamboanga Province], Mindanao, [Philippines].

Genus *Taphozous* E. Geoffroy, 1818***Taphozous cavaticus* Hollister**

Proc. Biol. Soc. Wash. 26: 157, 30 Jun 1913d.
 = *Taphozous melanopogon cavaticus* Hollister, 1913. See Chasen (1940:33).
 Holotype: USNM 141092. Skin and skull. Adult female. Collected 15 Jan 1905 by W. L. Abbott. Original number 3944.
 Type Locality: Moeara Dua, near Emma-haven (Teluk Bayur), south of Padang, [Sumatera Barat], West Sumatra, [Indonesia].

***Taphozous solifer* Hollister**

Proc. Biol. Soc. Wash. 26: 157, 30 Jun 1913d.
 = *Taphozous melanopogon philippinensis* Waterhouse, 1845. See Simmons (2005:384).
 Holotype: USNM 113010. In alcohol. Adult male. Collected 28 Mar 1901 by M. L. Robb. No original number.
 Type Locality: [MC: Near] Peking (Beijing), [Beijing], China.

FAMILY PHYLLOSTOMIDAE GRAY, 1825**Genus *Anoura* Gray, 1838*****Anoura cultrata* Handley**

Proc. U.S. Natl. Mus. 112: 463, 6 Oct 1960.
 Holotype: USNM 309396. Skin and skull. Adult female. Collected 7 Feb 1959 by C. O. Handley, Jr. and B. R. Feinstein. Original number [SL: COHJr.] 4747.
 Type Locality: Tacarcuna Village [SL: Camp], altitude 3,200 ft (975m), Rio Pucro, Darien, Panama.

***Anoura latidens* Handley**

Proc. Biol. Soc. Wash. 97: 513, 17 Aug 1984.
 Holotype: USNM 370119. Skin and skull. Adult female. Collected 18 Aug 1965 by A. L. and M. D. Tuttle. Original number SVP 629.
 Type Locality: Pico Avila, [Handley (1976:79): 10°33'N, 66°52'W], 2,150 m, 5 km NNE Caracas = "Hotel Humboldt (Humboldt), 9.4 km N Caracas", Distrito Federal, Venezuela.

Genus *Ardops* Miller, 1906***Ardops annectens* G. S. Miller**

Proc. Biol. Soc. Wash. 26: 33, 8 Feb 1913a.
 = *Ardops nichollsi annectens* G. S. Miller, 1913. See Jones and Schwartz (1967:10).
 Holotype: USNM 113502. In alcohol, [skull removed]. Adult female. Collected 1 Feb 1902 by H. S. Branch. No original number.
 Type Locality: Island of Guadeloupe, Lesser Antilles.

***Stenoderma luciae* G. S. Miller**

Proc. Acad. Nat. Sci. Phila. 54: 407, 12 Sep 1902d.
 = *Ardops nichollsi luciae* (G. S. Miller, 1902). See Jones and Schwartz (1967:9).
 Holotype: USNM 110921. In alcohol, [skull removed]. Adult female. Collected 4 Feb 1901 by H. S. Branch. No original number.
 Type Locality: Santa (St.) Lucia Island, West Indies.

Genus *Artibeus* Leach, 1821***Artibeus amplus* Handley**

Fieldiana Zool. n.s. 39: 164, 31 Dec 1987.

Holotype: USNM 440932. Skin and skull. Adult female. Collected 15 Apr 1968 by N. E. Peterson, F. P. Brown, Jr., and J. O. Matson. Original number SVP 22086.

Type Locality: Kasma, 270 m, 21 km SW Machiques, across the Rio Yasa from the Kasma Biological Station, eastern foothills of the Sierra de Perija, [Handley (1976:74): 9°59'N, 72°43'W], Estado Zulia, Venezuela.

***Artibeus hirsutus* Andersen**

Ann. Mag. Nat. Hist. (series 7) 18: 420, Dec 1906b.

Holotype: USNM 126449. Skin [and skull]. Adult male. Collected 16 Mar 1903 by [E. W.] Nelson and [E. A.] Goldman. Original number 16168.

Type Locality: La Salada, Michoacan, Mexico.

***Artibeus intermedius koopmani* Wilson**

Bull. Am. Mus. Nat. Hist. 206: 230, 12 Sep 1991.

= *Artibeus lituratus koopmani* Wilson, 1991. See Simmons (2005:419).

Holotype: USNM 512378. Skin and skull. Adult male. Collected 18 Mar 1976 by D. E. Wilson. Original number 3678.

Type Locality: Maria Cleofas, Tres Marias Islands, Nayarit, Mexico.

***Artibeus jamaicensis praeceps* Andersen**

Ann. Mag. Nat. Hist. (series 7) 18: 421, Dec 1906b.

= *Artibeus jamaicensis jamaicensis* Leach, 1821. See Koopman (1968:6).

Holotype: USNM 113503. In alcohol, [skull removed]. Adult male. Collected [MC: 22 Jan 1902] by H. S. Branch. No original number.

Type Locality: Guadeloupe, W. I. (West Indies).

***Artibeus jamaicensis triomylus* Handley**

Ann. Inst. Biol. Univ. Mex. 36: 299, 20 Jun 1966b.

Holotype: USNM 126554. Skin and skull. Adult female. Collected 17 Apr 1903 by E. W. Nelson and E. A. Goldman. Original number 16302.

Type Locality: Papayo (El Papayo), Guerrero, Mexico.

Genus *Brachyphylla* Gray, 1834

***Brachyphylla pumila* G. S. Miller**

Proc. Biol. Soc. Wash. 31: 39, 16 May 1918.

= *Brachyphylla nana* G. S. Miller, 1902. See Jones and Carter (1976:30) who recognized *pumila* as a valid subspecies of *nana*.

Holotype: USNM 218354. Skull only. Age and sex not given. Collected [MC: Fall 1917] by W. L. Abbott. No original number.

Type Locality: Cave known as "Trou de Bon Dieu," near Port de Paix, Haiti, Greater Antilles.

***Brachyphylla minor* G. S. Miller**

Proc. Biol. Soc. Wash. 26: 32, 8 Feb 1913a.

= *Brachyphylla cavernarum minor* G. S. Miller, 1913. See Koopman (1968:5).

Holotype: USNM 101528. In alcohol, [skull removed]. Adult female. Collected 14 Jun [MC: 24 Sep] 1899 by P. McDonough. No original number.

Type Locality: Coles Cave, St. Thomas Parish, Barbados, Lesser Antilles.

Remarks: We have been unable to resolve the difference between the dates given in the original description and the Museum Catalog for date collected.

***Brachyphylla nana* G. S. Miller**

Proc. Acad. Nat. Sci. Phila. 54: 409, 12 Sep 1902d.

Holotype: USNM 103828. Skull only. [Lyon and Osgood (1909:266): Adult], sex not given. Collected 10 Mar 1900 by W. Palmer and J. H. Riley. Original number 108.

Type Locality: El Guama, [Pinar del Rio], Cuba, Greater Antilles.

Genus *Carollia* Gray, 1838

***Carollia castanea* H. Allen**

Proc. Am. Philos. Soc. 28: 19, 25 Feb 1890b.

Holotype: USNM 12914/36834. In alcohol, skull removed. [Lyon and Osgood (1909:265): Adult] male. Collected [Lyon and Osgood (1909:265): probably 1876] by J. C. Zeledon.

Type Locality: [Pine (1972:18): Angostura], [San Jose], Costa Rica.

Remarks: The holotype was published as USNM 12914, to which USNM 36834 belongs. The skin was cataloged 23 on Jun 1878; the skull 11 Nov 1893.

***Hemiderma subrufum* Hahn**

Proc. Biol. Soc. Wash. 18: 247, 9 Dec 1905.

= *Carollia subrufa* (Hahn, 1905). See G. S. Miller (1924:54).

Holotype: USNM 75127. [Skin and skull.] Adult male. Collected 29 Jul 1895 by E. W. Nelson and E. A. Goldman. Original number 8235.

Type Locality: Santa Ifigenia (Efigenia), [FC: altitude 1,200 ft (366 m)], [Miller and Kellogg (1955:74): 8 mi (13 km) northwest of Tepantepec near west coast of Oaxaca], Oaxaca, Mexico.

***Hemiderma tricolor* G. S. Miller**

Proc. Acad. Nat. Sci. Phila. 54: 408, 12 Sep 1902d.

= *Carollia perspicillata* (Linnaeus, 1758). See Pine (1972:50).

Holotype: USNM 114005. Skin and skull. Adult female. Collected 5 Dec 1901 by W. Foster. Original number 589.

Type Locality: Cave at Sapucay, [Paraguari], Paraguay.

Genus *Centurio* Gray, 1842

***Centurio mcmurtrii* H. Allen**

Proc. Acad. Nat. Sci. Phila. 13: 360, ordered published 26 Nov 1861; receipt acknowledged 31 Dec 1861 by the Boston Society of Natural History.

= *Centurio senex senex* Gray, 1842. See Rehn (1901:297).
 Holotype: USNM 8289/37806. [In alcohol, skull removed].
 [Rehn (1901:300): Adult male]. Collected by [MC: C. Sartorius], date unknown. Skin cataloged between Jul and Oct 1865; skull 14 Nov 1899. No original number.

Type Locality: Mirador, [Veracruz], Mexico.

Remarks: The type was not designated by number in the original description, but the description was based on a single specimen in the Smithsonian collection. Rehn (1901:300) determined that specimen to be USNM 8289/37806.

Centurio senex greenhalli Paradiso

Mammalia 31: 601, Dec 1968.

Holotype: USNM 346847. In alcohol with skull removed. Adult female. Collected 8 Nov 1961 by A. Greenhall. Original number [SL: 61-2928].

Type Locality: Port of Spain, St. George County (Parish), Trinidad, [Trinidad and Tobago].

Genus *Chiroderma* Peters, 1860

Chiroderma gorgasi Handley

Proc. U.S. Natl. Mus. 112: 464, 6 Oct 1960.

= *Chiroderma trinitatum gorgasi* Handley, 1960. See Barriga-Bonilla (1965:245) for first use of current name combination and Gardner (2008a:324) for current use.

Holotype: USNM 309903. Skin, skull, [and skeleton]. Adult male. Collected 6 Mar 1959 by C. O. Handley, Jr. and B. R. Feinstein. Original number [SL: COH, Jr.] 5436.

Type Locality: Tacarcuna Village [SL: Camp], 3,200 ft (975 m), Rio Pucro, Darien, Panama.

Chiroderma isthmicum G. S. Miller

Proc. U.S. Natl. Mus. 42: 25, 6 Mar 1912c.

= *Chiroderma villosum jesupi* J. A. Allen. See Handley (1960:466).

Holotype: USNM 173834. In alcohol, [skull removed]. Adult female. Collected May 1911 by A. Busck. No original number.

Type Locality: Cabima (La Cabima), [Panama], Panama.

Chiroderma salvini scopaeum Handley

Ann. Inst. Biol. Univ. Mex. 36: 297, 20 Jun 1966b.

Holotype: USNM 338711. Skin and skull. Adult female. Collected 16 Aug 1960 by A. L. Gardner. Original number 1565.

Type Locality: Pueblo Juarez, Colima, Mexico.

Remarks: Previously University of Arizona, Department of Biology number 7952. Received in exchange from E. L. Cockrum. Cataloged USNM 338711 on 26 Aug 1964.

Genus *Choeroniscus* Thomas, 1928

Choeroniscus periosus Handley

Proc. Biol. Soc. Wash. 79: 84, 23 May 1966c.

Holotype: USNM 344918. In alcohol, skull removed. Adult female. Collected 1 Feb 1963 by W. A. Thornton. Original number 592.

Type Locality: Rio Raposo, near sea level, 27 km south of Buenaventura, Departamento de Valle [del Cauca], Colombia.

Genus *Dermanura* Gervais, 1856

We follow Hooper et al. (2008) and Solari et al. (2009) in recognizing *Dermanura* at the generic level.

Artibeus aztecus Andersen

Ann. Mag. Nat. Hist. (series 7) 18: 422, Dec 1906b.

= *Dermanura azteca* (Andersen, 1906). See Owen (1987:64) for name combination and Solari et al. (2009:284) for current use.

Holotype: USNM 52050. Skin [and skull]. Adult male. Collected 12 Feb 1893 by E. W. Nelson. Original number 4332.

Type Locality: Tetela del Volcan, [FC: altitude 8,000 ft (2,438 m)], Morelos, Mexico.

Artibeus gnomus Handley

Fieldiana Zool. n.s. 39: 167, 31 Dec 1987.

= *Dermanura gnoma* (Handley, 1987). See Hooper et al. (2008:10).

Holotype: USNM 387534. Skin and skull. Adult female. Collected 14 Jun 1966 by A. L. and M. D. Tuttle. Original number SVP 9298.

Type Locality: El Manaco, [Handley (1976:69): 150 m, 6°17'N, 61°19'W], KM 74, 59 km SE El Dorado, Bolivar, Venezuela.

Artibeus incomitatus Kalko and Handley

Z. Saugetierkd. 59: 260, Oct 1994.

= *Dermanura watsoni* (Thomas, 1901). See Solari et al. (2009:284).

Holotype: USNM 579125. Skin and skull. Adult male. Collected 19 Mar 1991 by C. O. Handley, Jr. Original number COH 17002.

Type Locality: A meter or so above sea level near West Point, Isla Escudo de Veraguas, Bocas del Toro, Panama.

Dermanura phaeotis G. S. Miller

Proc. Acad. Nat. Sci. Phila. 54: 405, 12 Sep 1902d.

= *Dermanura phaeotis phaeotis* G. S. Miller, 1902. See Hooper et al. (2008:10) for current use.

Holotype: USNM 108176. Skin and skull. Adult female. Collected 10 Feb 1901 by E. W. Nelson and E. A. Goldman. Original number 14537.

Type Locality: Chichen Itza, Yucatan, [SL: Mexico].

Dermanura rava G. S. Miller

Proc. Acad. Nat. Sci. Phila. 54: 404, 12 Sep 1902d.

See Hooper et al. (2008:10) for current use.

Holotype: USNM 113338. Skin and skull. Adult male. Collected 10 Aug 1900 by G. Flemming. Original number 12.

Type Locality: San Javier, [SL: altitude 60 ft (18 m)], northern Ecuador.

***Stenoderma tolteca* Saussure**

Rev. Mag. Zool. series 2, 12: 427, Oct 1860.

= *Dermanura tolteca tolteca* (Saussure, 1860). See Owen (1987:64) for name combination and Solari et al. (2009:284) for current use.

Neotype: USNM 6981/38954 as designated by Davis (1969:26). In alcohol with skull removed. Adult male. Collected on unknown date by [MC: C. Sartorius]. Original number [SL: 105]. [MC: Skin cataloged on 13 Apr 1863; skull on 27 Nov 1931].

Type Locality: Mirador, Veracruz, Mexico.

Genus *Ectophylla* H. Allen, 1892

***Ectophylla alba* H. Allen**

Proc. U.S. Natl. Mus. 15: 442, 26 Oct 1892.

Holotype: USNM 15950. Skin, without skull, in alcohol. [A. L. Gardner's notation on card in the type file: penis proves specimen to be a male]. Age indeterminate. Collected [MC: 1 Jul 1887 by C. H. Townsend. Original number 313].

Type Locality: Vicinity of Segovia River (Rio Coco), [Gracias a Dios], eastern Honduras.

Remarks: According to Miller and Kellogg (1955:77), the locality given above is equal to Comarca de El Cabo, northeastern Nicaragua.

Genus *Erophylla* Miller, 1906

***Erophylla planifrons mariguanensis* Shamel**

J. Wash. Acad. Sci. 21: 252, 4 Jun 1931a.

= *Erophylla sezekorni mariguanensis* Shamel. 1931. See Hall (1981:171).

Holotype: USNM 255593. In alcohol, [skull removed]. Adult male. Collected 20 Jul 1930 by P. Bartsch. Original number [MC: 169].

Type Locality: Abrahams Hill, Mariguana (Mayaguana) Island, [Bahamas].

***Phyllonycteris bombifrons* G. S. Miller**

Proc. Biol. Soc. Wash. 13: 36, 29 May 1899d.

= *Erophylla bombifrons bombifrons* (G. S. Miller, 1899). See G. S. Miller (1906g:84).

Holotype: USNM 86274. In alcohol, [skull removed]. Adult male. Collected 18 Jan 1899 by P. Beckwith. No original number.

Type Locality: In a limestone cave near Bayamon, Province of San Juan, Puerto Rico.

***Phyllonycteris planifrons* G. S. Miller**

Proc. Biol. Soc. Wash. 13: 34, 29 May 1899d.

= *Erophylla sezekorni planifrons* (G. S. Miller, 1899d). See G. M. Allen (1917:167).

Holotype: USNM 62517. In alcohol, [skull removed]. Adult male.

Collected 18 Mar 1886 by J. E. Benedict. No original number.

Type Locality: Nassau, New Providence [Island], Bahamas.

Remarks: Originally USNM 15453, this specimen was recataloged USNM 62517 on 13 Jul 1895.

Genus *Glossophaga* E. Geoffroy, 1818

***Glossophaga elongata* G. S. Miller**

Proc. Biol. Soc. Wash. 13: 124, 6 Apr 1900d.

= *Glossophaga longirostris elongata* G. S. Miller, 1900. See Koopman (1958:437).

Holotype: USNM 101871. Skin and skull from specimen in formalin. Adult female. Collected 4 Dec 1899 by [SL: L. J. Guthrie]. No original number.

Type Locality: Willemstad, Curacao, [Netherlands Antilles], West Indies.

Remarks: According to the museum catalog, this specimen was made into a skin and skull on 27 Feb 1900.

***Glossophaga longirostris campestris* Webster and Handley**

Occas. Pap., Mus. Texas Tech Univ. 100: 8, 18 Mar 1986.

Holotype: USNM 389033. Skin and skull. Adult female. Collected 8 Apr 1967 by N. Peterson, D. Peacock, and R. Peacock, Smithsonian Venezuelan Project. Original number SVP 12679.

Type Locality: Hato San Jose, 300 m, [Handley (1976:73): 6°49'N, 63°29'W], 20 km W Paragua, = 146 km S, 7 km E Ciudad Bolivar, Bolivar, Venezuela.

***Glossophaga mutica* Merriam**

Proc. Biol. Soc. Wash. 12: 18, 27 Jan 1898a.

= *Glossophaga soricina mutica* Merriam, 1898. See G. S. Miller (1913e:420).

Holotype: USNM 89271. [Skin and skull]. Adult male. Collected 8 May 1897 by E. W. Nelson and E. A. Goldman. Original number 10976.

Type Locality: Maria Madre Island, [FC: altitude 50 ft (15 m)], Tres Marias Islands, [Nayarit], Mexico.

***Glossophaga rostrata* G. S. Miller**

Proc. Biol. Soc. Wash. 26: 32, 8 Feb 1913a.

= *Glossophaga longirostris rostrata* G. S. Miller, 1913. See G. S. Miller (1913e:423).

Holotype: USNM 111500. Skin and skull. Adult male. Collected 25 Aug 1900 by P. Gellineau. Original number 29.

Type Locality: Westerhall Estate, Grenada, Lesser Antilles.

***Glossophaga soricina microtis* G. S. Miller**

Proc. U.S. Natl. Mus. 46: 419, 31 Dec 1913e.

= *Glossophaga soricina soricina* (Pallas, 1766). See Alvarez et al. (1991:1).

Holotype: USNM 115061. In alcohol, [skull removed]. Adult female. Collected Jun 1901 by W. Foster. Original number 66.

Type Locality: Sapucay (Sapucaí), [Paraguari], Paraguay.

***Glossophaga villosa* H. Allen**

Proc. U.S. Natl. Mus. 18: 779, 27 Oct 1896. Primary junior homonym of *Glossophaga villosa* Rengger, 1830. Replaced with *Glossophaga truei* by H. Allen (1897:153).

= *Glossophaga soricina soricina* (Pallas, 1766). See G. S. Miller (1913e:418).

Holotype: USNM 9523/37388. Skin in alcohol, skull removed. Adult, sex unknown. Collector and date of collection unknown. The skin was cataloged between 12 Feb and 17 Mar 1870; the skull 21 Apr 1898.

Type Locality: La Guayra (Guaira), [Vargas], Venezuela.

Remarks: Published as USNM 9523 to which skull number 37388 belongs. H. Allen referred to his two specimens as 9522 and 9523 in error. They are actually 9523 and 9524, with 9524 being a specimen without any locality data. The type is designated by number 9522, an error for 9523. The type locality is questionable as it is given as Guyana, Venezuela in the original museum catalog. A copy of this catalog, and no doubt the one H. Allen referred to for the locality data, gives it as Guyara, Venezuela. See Lyon and Osgood (1909:264) or Poole and Schantz (1942:131) for more lengthy discussion.

Genus *Leptonycteris* Lydekker, 1891***Leptonycteris curasoae* G. S. Miller**

Proc. Biol. Soc. Wash. 13: 126, 6 Apr 1900d.

Holotype: USNM 101851. In alcohol, [skull removed]. Adult male. Collected [MC: Nov-Dec 1899 by L. J. Guthrie]. No original number.

Type Locality: [Note with specimen: 1 mi (1.6 km) NW of Willemstad], Curacao, [Netherlands Antilles], West Indies.

Genus *Lichonycteris* Thomas, 1895***Lichonycteris degener* G. S. Miller**

J. Mammal. 12: 411, 11 Nov 1931b.

See Griffiths and Gardner (2008:242) for current use.

Holotype: USNM 239520. Skin and skull. Adult female. Collected 22 Jul 1923 by C. R. Aschemeier. Original number [SL: 1437].

Type Locality: Para (Belem), [Para], Brazil.

Genus *Lonchophylla* Thomas, 1903***Lonchophylla cadenai* Woodman and Timm**

Proc. Biol. Soc. Wash. 119: 462, 22 Dec 2006.

Holotype: USNM 483359. Skin and skull. Adult male. Collected 18 Feb 1967 by A. A. Arata and M. E. Thomas. Original number 858.

Type Locality: 29 km SE Buenaventura, 75 m elevation, east bank of Rio Zabaletas, across from village of Zabaletas, 3°44'N, 76°57'W, Valle del Cauca Department, Colombia.

***Lonchophylla concava* Goldman**

Smithson. Misc. Collect. 63(5): 2, 14 Mar 1914a.

See Albuja and Gardner (2005:446) for current use.

Holotype: USNM 179621. Skin and skull. Adult male. Collected 20 May 1912 by E. A. Goldman. Original number 21701.

Type Locality: Cana, altitude 2,000 ft (610 m), [Darien], eastern Panama.

***Lonchophylla formicata* Woodman**

Proc. Biol. Soc. Wash. 120: 343, 17 Oct 2007.

Holotype: USNM 483360. Skin and skull. Adult male. Collected 18 Nov 1966 by M. E. Thomas. [MC: and A. A. Arata]. Original number 914.

Type Locality: 29 km SE Buenaventura, 75 m elevation, east bank of Rio Zabaletas, across from village of Zabaletas, 3°44'N, 76°57'W, Valle del Cauca Department, Colombia.

***Lonchophylla robusta* G. S. Miller**

Proc. U.S. Natl. Mus. 42: 23, 6 Mar 1912c.

Holotype: USNM 173854. In alcohol, [skull removed]. Adult male. Collected 14 Apr 1911 by A. Busck. No original number.

Type Locality: In cave on Chilibrillo River, [Panama], Panama.

Genus *Lophostoma* d'Orbigny, 1836***Lophostoma kalkoae* Velazco and Gardner**

J. Mammal. 93: 606, 30 Apr 2012.

Holotype: USNM 582249. In alcohol, skull removed. Adult male. Collected 11 Oct 1998 by E. K. V. Kalko. Original number 118.

Type Locality: Pipeline Road, near the former Limbo Hunt Club, 9°9'50"N, 79°45'10"W, Soberania National Park, Colon Province, Panama.

***Lophostoma venezuelae* Robinson and Lyon**

Proc. U.S. Natl. Mus. 24: 154, 3 Oct 1901.

= *Lophostoma brasiliense* Peters, 1866. See Simmons (2005:406).

Holotype: USNM 102919. In alcohol, [skull removed]. Adult female. Collected [SL: 4 Aug 1900 by M. W. Lyon, Jr. and W. Robinson. Original number 199].

Type Locality: Macuto, [Lyon and Osgood (1909:267): 8 mi (13 km) east of La Guaira], [Vargas], Venezuela.

Genus *Macrotus* Gray, 1843***Macrotus californicus* Baird**

Proc. Acad. Nat. Sci. Phila. 10: 116, ordered to be published 25 May 1858.

Holotype: USNM 2347. In alcohol. Age and sex not given. Collected on unknown date by G. H. Thomas. No original number. [MC: Cataloged 27 Mar 1857].

Type Locality: [Miller and Rehn (1901:278): Old] Fort Yuma, [Miller (1924:46): Imperial County], California, [Miller

(1924:46): on right bank of Colorado River, opposite present town of Yuma, Arizona].

Remarks: The holotype was not designated by number in the original description, which was based on a single specimen from Fort Yuma, California. Measurements given in the description match those of USNM 2347 as given in Baird (1859) and is therefore the holotype fixed by monotypy (ICZN, 1999: Article 37.1.2). This specimen cannot be found. The last record of it is H. Allen (1894:39) in which he lists the specimen by number and refers to it as the type.

Macrotus waterhousii compressus Rehn

Proc. Acad. Nat. Sci. Phila. 56: 434, 30 Jun 1904.

Holotype: USNM 122484. [Skin and skull]. Adult female. Collected 6 Jul 1903 by S. H. Derickson. Original number [SL: 90].

Type Locality: Eleuthera [SL: Island], Bahamas.

Remarks: Received from J. H. Riley, original number 1108.

Macrotus waterhousii heberfolium Shamel

J. Wash. Acad. Sci. 21: 252, 4 Jun 1931a.

= *Macrotus waterhousii waterhousii* Gray, 1843. See Anderson and Nelson (1965:14).

Holotype: USNM 255651. In alcohol, [skull removed]. Adult male. Collected 23 Jul 1930 by P. Bartsch. No original number.

Type Locality: Kingston, Providencialis (Providenciales) Island, [Caios Islands, Turks and Caios Islands].

Macrotus waterhousii jamaicensis Rehn

Proc. Acad. Nat. Sci. Phila. 56: 432, 27 Jun 1904.

Holotype: USNM 8553/37543. Skin and skull. Adult female. Collected on unknown date by W. T. March. No original number. [MC: Skin cataloged on 3 Jul 1866; the skull on 6 Oct 1898].

Type Locality: Spanishtown (Spanish Town), [St. Catherine], Jamaica.

Genus *Micronycteris* Gray, 1866

Micronycteris megalotis mexicanus G. S. Miller

Proc. Acad. Nat. Sci. Phila. 50: 329, 2 Aug 1898c.

= *Micronycteris megalotis* (Gray, 1842). See Porter et al. (2007:1211) who assigned *mexicana* to *megalotis* at unspecified rank.

Holotype: USNM 52105. In alcohol, [skull removed]. Adult female. Collected 4 Apr 1892 by E. W. Nelson. Original number 2389.

Type Locality: Plantinar, [FC: altitude about 4,000 ft (1,219 m)], Jalisco, Mexico.

Micronycteris microtis G. S. Miller

Proc. Acad. Nat. Sci. Phila. 50: 328, 12 Jul 1898c.

Holotype: USNM 16366/23364. Skin and skull [SL: originally in alcohol]. Adult male. Collected on unknown date by L. F. H.

Birt. No original number. [MC: Cataloged 2 Feb 1889 as an alcoholic; skull cataloged 16 Apr 1889].

Type Locality: Greytown (San Juan del Norte), [Rio San Juan], Nicaragua.

Micronycteris sanborni Simmons

Am. Mus. Novit. 3158: 6, 14 Feb 1996.

Holotype: USNM 555702. Skin, skull, [and photographs]. Adult female. Collected 26 Mar 1978 by A. L. Gardner. Original number 13745.

Type Locality: Sitio Luanda, Itaitera, 4 km S of Crato, Ceara, Brazil.

Genus *Mimon* Gray, 1847

Mimon cozumelae Goldman

Proc. Biol. Soc. Wash. 27: 75, 11 May 1914b.

Holotype: USNM 203191. Skin and skull. Adult, sex unknown. Collected on unknown date by G. F. Gaumer. No original number. [MC: Cataloged 5 May 1914]. [SL: 11030-X].

Type Locality: Cozumel Island, off the east coast of Yucatan (Quintana Roo), Mexico.

Remarks: Originally numbered 6232 in the L. L. Dyche collection.

Mimon crenulatum keenani Handley

Proc. U.S. Natl. Mus. 112: 460, 6 Oct 1960.

Holotype: USNM 311951. Skin and skull. Adult male. Collected 25 Aug 1959 by C. M. Keenan. Original number 4127.

Type Locality: [SL: Civilian housing area], Fort Gulick, Panama Canal Zone (Colon), [Panama].

Genus *Monophyllus* Leach, 1821

Monophyllus clinedaphus G. S. Miller

Proc. Wash. Acad. Sci. 2: 36, 30 Mar 1900e.

= *Monophyllus redmani clinedaphus* G. S. Miller, 1900. See Schwartz and Jones (1967:6).

Holotype: USNM 5120/37405. In alcohol, [skull removed]. Adult male. No additional data given. [MC: Fluid-preserved specimen cataloged 30 Oct 1861; the skull 2 May 1898].

Type Locality: No locality given. Schwartz and Jones (1967:6) restricted the type locality to the vicinity of Baracoa, Oriente Province (Guantanamo), Cuba.

Monophyllus cubanus G. S. Miller

Proc. Acad. Nat. Sci. Phila. 54: 410, 11 Sep 1902d.

= *Monophyllus redmani clinedaphus* G. S. Miller, 1900. See Schwartz and Jones (1967:6).

Holotype: USNM 113674. Skin and skull. Adult male. Collected 6 Feb 1902 by W. Palmer. Original number 645.

Type Locality: Baracoa, [Guantanamo], eastern Cuba.

Monophyllus cubanus ferreus G. S. Miller

Proc. Biol. Soc. Wash. 31: 40, 16 May 1918.

= *Monophyllus redmani clinedaphus* G. S. Miller, 1900. See Schwartz and Jones (1967:6).

Holotype: USNM 219151. Skin and skull. Adult male. Collected 7 Dec 1917 by W. L. Abbott. Original number [SL: A].

Type Locality: In a cave 8 mi (13 km) W. S. W. Jeremie, [Schwartz and Jones (1967:6): Department du Sud], Haiti.

***Monophyllus luciae* G. S. Miller**

Proc. Acad. Nat. Sci. Phila. 54: 411, 11 Sep 1902d.

= *Monophyllus plethodon luciae* G. S. Miller, 1902. See Schwartz and Jones (1967:13).

Holotype: USNM 106095. In alcohol, [skull removed]. Adult male. Collected 4 Feb 1901 by H. S. Branch. No original number.

Type Locality: Santa (St.) Lucia Island.

***Monophyllus plethodon* G. S. Miller**

Proc. Wash. Acad. Sci. 2: 35, 30 Mar 1900e.

= *Monophyllus plethodon plethodon* G. S. Miller, 1900. See Schwartz and Jones (1967:12).

Holotype: USNM 101530. In alcohol, [skull removed]. Adult male. Collected 1 Aug 1899 by P. McDonough. No original number.

Type Locality: St. Michaels (Saint Michael) Parish, Barbados.

***Monophyllus portoricensis* G. S. Miller**

Proc. Wash. Acad. Sci. 2: 34, 30 Mar 1900e.

= *Monophyllus redmani portoricensis* G. S. Miller, 1900. See Schwartz and Jones (1967:11).

Holotype: USNM 86261. In alcohol, [skull removed]. Adult male. Collected 18 Jan 1899 by P. Beckwith. No original number.

Type Locality: Cave near Bayamon, [San Juan], Puerto Rico.

Genus *Phyllonycteris* Gundlach, 1861

***Phyllonycteris obtusa* G. S. Miller**

Smithson. Misc. Collect. 81(9): 10, 30 Mar 1929.

= *Phyllonycteris poeyi obtusa* G. S. Miller, 1929. See Jones and Carter (1976:30).

Holotype: USNM 253095. Skull only. Age and sex unknown. Collected Mar 1925 by G. S. Miller, Jr. No original number.

Type Locality: In the "crooked cave" near the Atalaye plantation, St. Michel, Haiti.

***Reithronycteris aphylla* G. S. Miller**

Proc. Acad. Nat. Sci. Phila. 50: 334, 2 Aug 1898c.

= *Phyllonycteris (Reithronycteris) aphylla* (G. S. Miller, 1898). See Koopman (1952:257).

Holotype: USNM 255514. In alcohol, [skull removed]. Adult male. Collector and date of collection unknown. [MC: Cataloged as found in collection without a number on 16 Jul 1930].

Type Locality: Jamaica.

Remarks: Described as Number 9, Museum of the Institute of Jamaica.

Genus *Platyrrhinus* Saussure, 1860

***Platyrrhinus fusciventris* Velazco, Gardner, and Patterson**

Zool. J. Linn. Soc. 159: 803, Jul 2010.

Holotype: USNM 560806. Skin and skull. Adult female. Collected 23 Feb 1985 by A. L. Gardner. Original number 14605.

Type Locality: Base camp, Cerro Neblina, 00°49'50"N, 66°09'40"W, 140 m, Amazonas, Venezuela.

***Platyrrhinus nitelinea* Velazco and Gardner**

Proc. Biol. Soc. Wash. 122: 268, 14 Oct 2009.

Holotype: USNM 513461. Skin and skull. Adult female. Collected 9 Aug 1976 by A. L. Gardner. Original number 13227.

Type Locality: 1 km SW Puente de Moromoro, 3,480 ft (1,060 m), 03°44'S, 79°44'W, El Oro Province, Ecuador.

***Vampyroops aquilus* Handley and Ferris**

Proc. Biol. Soc. Wash. 84: 521, 29 Feb 1972.

= *Platyrrhinus aquilus* (Handley and Ferris, 1972). See Velazco and Gardner (2009:253).

Holotype: USNM 338025. Skin and skull. Lactating adult female. Collected 19 Feb 1964 by C. O. Handley, Jr. Original number 12655.

Type Locality: Head of Rio Pucro, 4,100 ft (1,250 m), Cerro Mali, Darien, Panama.

***Vampyroops aurarius* Handley and Ferris**

Proc. Biol. Soc. Wash. 84: 522, 29 Feb 1972.

= *Platyrrhinus aurarius* (Handley and Ferris, 1972). See Koopman (1993:190).

Holotype: USNM 387163. Skin and skull. Adult male. Collected 18 May 1966 by M. D. Tuttle and A. L. Tuttle. Original number SVP 8329.

Type Locality: KM 125, 1,000 m, 85 km SSE El Dorado, [Handley (1976:74): 5°59'N, 61°26'W], Bolivar, Venezuela.

***Vampyroops fumosus* G. S. Miller**

Proc. Acad. Nat. Sci. Phila. 54: 405, 11 Sep 1902d.

= *Platyrrhinus infuscus* (Peters, 1880). See Koopman (1993:191).

Holotype: USNM 105530. Skin and skull. Adult female. Collected 24 Mar 1901 by J. B. Steere. Original number 83, not 24 as given in original description.

Type Locality: [SL: Hyutanaham (Huitanaa), Upper] Purus River, [Amazonas], Brazil.

***Vampyroops latus* Handley and Ferris**

Proc. Biol. Soc. Wash. 84: 519, 29 Feb 1972.

= *Platyrrhinus brachycephalus brachycephalus* (Rouk and Carter, 1972). See Gardner (2008b:322) for current use.

Holotype: USNM 364408. Skin, skull, [and partial skeleton]. Adult male. Collected 12 Aug 1964 by A. L. Tuttle. Original number 1789.

Type Locality: San Juan, 900 ft (274 m), Province of Oxapampa, Department of Pasco, Peru.

Vampyrops latus saccharus Handley and Ferris

Proc. Biol. Soc. Wash. 84: 521, 29 Feb 1972.

= *Platyrrhinus brachycephalus saccharus* (Handley and Ferris, 1972). See Gardner (2008b:333) for current use.

Holotype: USNM 408411. Skin and skull. Adult male. Collected 20 Jul 1967 by N. E. Peterson. Original number SVP 14362.

Type Locality: Manacal, 300 m, 5 km S and 25 km E Carupano, [Handley (1976:76): 10°37'N, 61°09'W], Sucre, Venezuela.

Genus *Rhinophylla* Peters, 1865

Rhinophylla aethina Handley

Proc. Biol. Soc. Wash. 79: 86, 23 May 1966c.

Holotype: USNM 324988. Skin and skull. Adult male. Collected 13 Jul 1962 by W. A. Thornton. Original number 172.

Type Locality: [SL: Virology Field Station], at the Rio Raposo, near sea level, 27 km south of Buenaventura, Departamento de Valle [del Cauca], Colombia.

Genus *Sturnira* Gray, 1842

Sturnira angeli de la Torre

Proc. Biol. Soc. Wash. 79: 271, 1 Dec 1966.

See Velazco and Patterson (2013:694) for current use.

Holotype: USNM 361881. Skin and skull. Adult male. Collected 21 Feb 1962 by R. F. Klinikowski. No original number.

Type Locality: 6 mi (10 km) NE Roseau, 1,000 ft (305 m), St. Paul Parish, Dominica, Windward Islands, West Indies.

Remarks: Originally numbered 5354 in the Albert Schwartz collection.

Sturnira aratathomasi Peterson and Tamsitt

Life Sci. Occas. Pap., Royal Ont. Mus. 12: 1, 15 Nov 1968.

Holotype: USNM 395158. Skin, skull, [and partial skeleton]. Adult male. Collected 1 Dec 1966 by M. Thomas [SL: Arata-Thomas]. Original number University del Valle-Tulane 635.

Type Locality: 2 km south of Pance, 1,650 m, approximately 20 km southwest of Cali, Dept. (Departamento) Valle [del Cauca], Colombia.

Remarks: Published as University del Valle-Tulane number 635. Cataloged USNM 395158 some time between 2 Jul and 10 Sep 1968.

Sturnira lilium bogotensis Shamel

Proc. Biol. Soc. Wash. 40: 129, 26 Sep 1927.

= *Sturnira bogotensis* Shamel, 1927. See Handley (1976:25).

Holotype: USNM 251989. Skin and skull. Adult female. Collected [SL: 25 Nov 1925] by [MC: Niceforo Maria]. No original number.

Type Locality: Bogota, Estacion La Uribe, [Cundinamarca], Colombia.

Sturnira lilium parvidens Goldman

Proc. Biol. Soc. Wash. 30: 116, 23 May 1917.

= *Sturnira parvidens* Goldman, 1917. See Iudica (2000:197) for first use of name combination and Velazco and Patterson (2013:694) for current use.

Holotype: USNM 126555. [Skin and skull]. Adult female. Collected 17 Apr 1903 by E. W. Nelson and E. A. Goldman. Original number 16313.

Type Locality: Papayo (El Papayo), about 25 mi (40 km) northwest of Acapulco, Guerrero, Mexico.

Sturnira paulsoni de la Torre and Schwartz

Proc. Biol. Soc. Wash. 79: 301, 1 Dec 1966.

See Velazco and Patterson (2013:694) for current use.

Holotype: USNM 361882. Skin and skull. Adult female. Collected 30 Dec 1961 by D. R. Paulson. No original number.

Type Locality: Lowrt, 1,000 ft (305 m), St. Andrew Parish, St. Vincent, British Windward Islands, Lesser Antilles, [Saint Vincent and the Grenadines].

Remarks: Originally numbered 5333 of the Albert Schwartz collection.

Sturnira thomasi de la Torre and Schwartz

Proc. Biol. Soc. Wash. 79: 299, 1 Dec 1966.

Holotype: USNM 361883. Skin and skull. Adult male. Collected 26 Jan 1963 by R. Thomas. No original number.

Type Locality: Sofaia, 1,200 ft (366 m), Guadeloupe, French Leeward Islands, Lesser Antilles.

Remarks: Originally numbered 5413 of the Albert Schwartz collection.

Sturnirops mordax Goodwin

Am. Mus. Novit. 976: 1, 4 May 1938.

= *Sturnira mordax* (Goodwin, 1938). See Davis et al. (1964:381).

Holotype: USNM 250310. Skin and skull. Adult male. Collected 14 Jul 1931 by C. F. Underwood. Original number [SL:543.26881-X].

Type Locality: El Sauce Peralta, a farm on the Atlantic Railroad, less than halfway from San Jose to Limon, probably about 1,000 ft (305 m) elevation, [Cartago, Costa Rica].

Genus *Trachops* Gray, 1847

Trachops coffini Goldman

Proc. Biol. Soc. Wash. 38: 23, 12 Mar 1925.

= *Trachops cirrhosus coffini* Goldman, 1925. See Felten (1956:369).

Holotype: USNM 244266. Skin, skull, and nearly complete skeleton. Adult female. Collected 30 Jun 1923 by H. Malleis. Original number 388.

Type Locality: Guyo, Peten, Guatemala.

Genus *Uroderma* Peters, 1866

Uroderma convexum Lyon

Proc. Biol. Soc. Wash. 15: 83, 25 Apr 1902.

See Mantilla-Meluk (2014:17) for current use.

Holotype: USNM 111722. In alcohol, [skull removed]. Young adult female. Collected 28 May 1901 by J. W. Humphreys. No original number.

Type Locality: Colon, [Colon], Colombia (Panama).

Remarks: We know this Colon to be in Panama rather than Colombia because the title of the type publication refers to a new bat from the Isthmus of Panama.

Genus *Vampyressa* Thomas, 1900

Vampyressa elisabethae Tavares, Gardner, Ramirez-Chaves, and Velazco

Am. Mus. Novit. 3813: 19, 2 Oct 2014.

Holotype: USNM 319283. Skin and skull. Adult male. Collected 13 Sep 1961 by V. J. Tipton. Original number 8120, not 8006 as given in original description.

Type Locality: Rancho Mojica, upper Changena River, ±20 mi (32.2 km) SSW of Changuinola, 9°6'N, 82°34'W, 1,463 m, Provincia Bocas del Toro, Panama.

Vampyressa minuta G. S. Miller

Proc. U.S. Natl. Mus. 42: 25, 6 Mar 1912c.

= *Vampyressa thylene* Thomas, 1909. See Lim et al. (2003:25).

Holotype: USNM 173832. In alcohol, [skull removed]. Immature female. Collected May 1911 by A. Busck. No original number.

Type Locality: Cabima (La Cabima), [Panama], Panama.

Genus *Vampyrus* Rafinesque, 1815

Vampyrus spectrum nelsoni Goldman

Proc. Biol. Soc. Wash. 30: 115, 23 May 1917.

= *Vampyrus spectrum* (Linnaeus, 1758). See G. S. Miller (1924:49). Considered monotypic by Simmons (2005:412).

Holotype: USNM 78127. In alcohol, skull removed. Adult male. Collected 14 May 1896 by E. W. Nelson. Original number [FC: Nelson and Goldman] 9579.

Type Locality: Coatzacoalcos, [FC: 75 ft (23 m)], Vera Cruz (Veracruz), Mexico.

FAMILY MORMOOPIDAE SAUSSURE, 1860

Genus *Mormoops* Leach, 1821

Mormoops intermedia G. S. Miller

Proc. Biol. Soc. Wash. 13: 160, 31 Oct 1900f.

= *Mormoops megalophylla intermedia* G. S. Miller, 1900. See Rehn (1902:170).

Holotype: USNM 102174. In alcohol. Adult female. Collected 29 Apr 1900 by [MC: L. J. Guthrie]. No original number.

Type Locality: Cave at Hatto, on the north coast of Curacao, [Netherlands Antilles], West Indies.

Remarks: USNM accession number 36524 contains a note from Guthrie about his bat collection in which he stated “. . . the majority were collected in the large cave on the North coast; but there are bats in the lot from every corner of the island . . .” A careful reading of the museum catalog reveals that this specimen came from a cave on the north coast, but not necessarily the cave at Hatto.

Mormoops megalophylla senicula Rehn

Proc. Acad. Nat. Sci. Phila. 54: 169, 11 Jun 1902.

= *Mormoops megalophylla megalophylla* (Peters, 1864). See Smith (1972:115).

Holotype: USNM 84801. Skin and skull. Adult female. Collected 3 Dec 1897 by E. A. Mearns. Original number [SL: 4273].

Type Locality: Fort Clark, Kinney County, Texas.

Mormoops tumidiceps G. S. Miller

Proc. Acad. Nat. Sci. Phila. 54: 403, 11 Sep 1902d.

= *Mormoops megalophylla tumidiceps* G. S. Miller, 1902. See Goodwin and Greenhall (1961:225).

Holotype: USNM 186443. In alcohol, [skull removed]. Adult male. Collected in 1889 by W. Robinson. No original number.

Type Locality: Point Gourde Caves, Trinidad, [Trinidad and Tobago].

Remarks: Published as Merriam Collection number 5581. Cataloged USNM 186443 on 13 Oct 1911.

Genus *Pteronotus* Gray, 1838

Chilonycteris mexicana G. S. Miller

Proc. Acad. Nat. Sci. Phila. 54: 401, 11 Sep 1902d.

= *Pteronotus parnellii mexicanus* (G. S. Miller, 1902). See Hall and Dalquest (1963:217).

Holotype: USNM 89277. Skin and skull. Adult male. Collected 9 Jun 1897 by E. W. Nelson and E. A. Goldman. Original number 11132.

Type Locality: San Blas, [FC: altitude 75 ft (23 m)], Tepic (Nayarit), Mexico.

Chilonycteris parnellii gonavensis Koopman

J. Mammal. 36: 110, 25 Feb 1955.

= *Pteronotus parnellii gonavensis* (Koopman, 1955). See Smith (1972:68).

Holotype: USNM 295009. Skull lacking incisors, mandible, and ear region. Age and sex not given. Collected [MC: Mar 1929 by A. J. Poole. Original number 1A].

Type Locality: Cave near En Café, La Gonave Island (Ile de la Gonave), [Ouest], Republic of Haiti.

Chilonycteris portoricensis G. S. Miller

Proc. Acad. Nat. Sci. Phila. 54: 400, 3 Sep 1902d.

= *Pteronotus parnellii portoricensis* (G. S. Miller, 1902). See Smith (1972:68).

Holotype: USNM 102358. Skin and skull. Adult female. Collected 19 Mar 1900 by L. Stejneger and C. W. Richmond. Original number [SL: G].

Type Locality: Cave near Pueblo Viejo, Puerto Rico, W. I. (West Indies).

FAMILY NOCTILIONIDAE GRAY, 1821

Genus *Noctilio* Linnaeus, 1766

Noctilio leporinus mexicanus Goldman

Proc. Biol. Soc. Wash. 28: 136, 29 Jun 1915b.

= *Noctilio leporinus mastivus* Vahl, 1797. See Davis (1973: 869).

Holotype: USNM 126672. [Skin and skull]. Adult male. Collected 17 Apr 1903 by E. W. Nelson and E. A. Goldman. Original number 16318.

Type Locality: Papayo, Guerrero, Mexico.

FAMILY THYROPTERIDAE MILLER, 1907

Genus *Thyroptera* Spix, 1823

Thyroptera discifera abdita Wilson

Proc. Biol. Soc. Wash. 89: 307, 12 Oct 1976.

Holotype: USNM 51538. In alcohol, skull removed. Adult female. Collected 25 Jul 1892 by J. E. Mitchell. Original number [SL: 2].

Type Locality: 50 mi (80 km) E [SL: from] Bluefields, Escondido River, [Atlantico Sur], Nicaragua.

Thyroptera discifera major G. S. Miller

J. Mammal. 12: 411, 11 Nov 1931b.

= *Thyroptera discifera discifera* (Lichtenstein and Peters, 1855). See Wilson (1976:306).

Holotype: USNM 105419. Skin and skull. Adult female. Collected 17 Jul 1900 by W. Robinson and M. W. Lyon, Jr. Original number [FC: 122].

Type Locality: San Julian, [Vargas], Venezuela.

Remarks: Originally W. Robinson collection number 1511.

FAMILY NATALIDAE GRAY, 1866

Genus *Chilonatalus* Miller, 1898

Chilonatalus macer G. S. Miller

Proc. Biol. Soc. Wash. 27: 225, 29 Dec 1914a.

See Tejedor (2011:26) for current use.

Holotype: USNM 113724. In alcohol, [skull removed]. Adult female. Collected 6 Feb 1902 by W. Palmer. Original number 699.

Type Locality: Baracoa, [Silva-Taboada (1979:220): in a cave identified as la Cueva de la Majana], [Tejedor (2011:26): Guantanamo], Cuba.

Chilonatalus tumidifrons G. S. Miller

Proc. Biol. Soc. Wash. 16: 119, 30 Sep 1903d.

Holotype: USNM 122024. In alcohol, [skull removed]. Adult male. Collected 12 Jul 1903 by J. H. Riley. Original number 157.

Type Locality: In a cave near Sandy Point, southwest corner of Watlings Island (San Salvador Island), Bahama Islands, (Bahamas).

Natalus (Chilonatalus) brevimanus G. S. Miller

Proc. Acad. Nat. Sci. Phila. 50: 328, 12 Jul 1898c.

= *Chilonatalus micropus* (Dobson, 1880). See Tejedor (2011:30) who placed *brevimanus* in what he considered a monotypic *micropus*.

Holotype: USNM 15835. In alcohol. Adult male. Collector unknown. Presented by C. B. Cory and cataloged [MC: 25 May 1887].

Type Locality: Old Providence Island (Isla de Providencia), Caribbean Sea, [San Andres y Providencia, Colombia].

Genus *Natalus* Gray, 1838

Natalus dominicensis Shamel

Proc. Biol. Soc. Wash. 41: 67, 16 Mar 1928.

= *Natalus stramineus* Gray, 1838. See Goodwin (1959:5) who placed *dominicensis* in *stramineus* as a valid subspecies and Tejedor (2011:73) who considered *stramineus* to be monotypic.

Holotype: USNM 113605. In alcohol, [skull removed]. Adult male. Collected May–Jul [SL: 18 Jul] 1901 by H. S. Branch. No original number.

Type Locality: Island of Dominica, [MC: West Indies].

Natalus major G. S. Miller

Proc. Acad. Nat. Sci. Phila. 54: 398, 3 Sep 1902d.

Holotype: USNM 101395. In alcohol, [skull removed]. Adult male. Collected [Poole and Schantz (1942): 1869–1871], by W. M. Gabb. No original number. [MC: Received from the Academy of Natural Sciences of Philadelphia (Academy of Natural Sciences of Drexel University); cataloged 3 Nov 1899].

Type Locality: [MC: From cave] near Savaneta (Sabaneta), San (Santo) Domingo, [Santiago, Dominican Republic], West Indies.

Natalus mexicanus G. S. Miller

Proc. Acad. Nat. Sci. Phila. 54: 399, 3 Sep 1902d.

See Tejedor (2011:60) for current use.

Holotype: USNM 96496. In alcohol, [skull removed]. Adult female. Collected Jul or Aug 1897 by J. F. Abbott. No original number. [SL: 1953-X].

Type Locality: Santa Anita, Lower California (Baja California Sur), Mexico.

Natalus stramineus natalensis Goodwin

Am. Mus. Novit. 1977: 5, 22 Dec 1959.

= *Natalus macrourus* (Gervais, 1856). See Tejedor (2011:39) who placed *natalensis* in *espiritasantensis* and Garbino and Tejedor (2013:237) who determined that *espiritasantensis* was a junior synonym of *macrourus*.

Holotype: USNM 242830. Skin and skull [in alcohol, skull removed]. Adult female. Collected Apr 1921 by E. C. Green. No original number. [SL: 22838-X].

Type Locality: Natal, Rio Grande do Norte, Brazil.

***Natalus tumidirostris* G. S. Miller**

Proc. Biol. Soc. Wash. 13: 160, 31 Oct 1900f.

See Tejedor (2011:79) who considered *tumidirostris* to be monotypic.

Holotype: USNM 102106. In alcohol, [skull removed]. Adult male. Collected 1 May 1900 by [MC: L. J. Guthrie]. No original number.

Type Locality: In a cave at Hatto, [MC: a country estate], north side of Curacao, [Netherlands Antilles], West Indies.

FAMILY MOLOSSIDAE GERVAIS, 1856

Genus *Chaerephon* Dobson, 1874

***Chaerephon luzonus* Hollister**

Proc. U.S. Natl. Mus. 46: 312, 31 Dec 1913a.

= *Chaerephon plicatus luzonus* Hollister, 1913. See Hill (1961:52) who placed *luzonus* as a subspecies of *Tadarida plicata* and Freeman (1981:152) who placed it in *Chaerephon*.

Holotype: USNM 144881. In alcohol, skull removed. Adult male [A. L. Gardner in litt.: but is obviously a female]. Collected on unknown date by E. A. Mearns. No original number. [MC: Cataloged 13 Nov 1907].

Type Locality: Cagayan, Cagayan Province, Northern Luzon, [Philippines].

***Chaerephon pumilus naivashae* Hollister**

Smithson. Misc. Collect. 66(1): 4, 10 Feb 1916c.

= *Chaerephon pumilus* (Cretzschmar, 1830–1831). Subspecies not recognized by Simmons (2005:435).

Holotype: USNM 166658. In alcohol, skull removed. [Poole and Schantz (1942:120): Adult] male. Collected 7 Aug 1909 by J. A. Loring. Original number 6955.

Type Locality: Naivasha Station, [Rift Valley], British East Africa (Kenya).

***Nyctinomus jobensis* G. S. Miller**

Proc. Biol. Soc. Wash. 15: 246, 16 Dec 1902e.

= *Chaerephon jobensis* (G. S. Miller, 1902). See G. S. Miller (1907:245).

Holotype: USNM 18545/38035. Skin and skull [in alcohol, skull removed]. Adult male [Lyon and Osgood (1909:280): female]. Collected on unknown date by O. Beccari. Original number [MC: 33. Cataloged 15 Oct 1902].

Type Locality: Ansum, Island of Jobie (Yapen), northwestern New Guinea, [Papua, Indonesia].

***Nyctinomus pusillus* G. S. Miller**

Proc. Biol. Soc. Wash. 15: 245, 16 Dec 1902e.

= *Chaerephon pusillus* (G. S. Miller, 1902). See G. S. Miller (1907:245) who placed *pusillus* in *Chaerephon* and Goodman and Ratrimomanarivo (2007:398) for current use.

Holotype: USNM 20097, not 20091 as in original description/37852. In alcohol, [skull removed]. Adult female. Collected on unknown date by W. L. Abbott. No original number. [MC: Alcoholic cataloged 30 Jun 1893; skull 12 Feb 1900].

Type Locality: Aldabra Island, [Aldabra Atoll, Seychelles], Indian Ocean.

Genus *Cheiromeles* Horsfield, 1824

***Cheiromeles parvidens* Miller and Hollister**

Proc. Biol. Soc. Wash. 43: 100, 30 Jun 1921.

Holotype: USNM 219350. Skin and skull. Adult female. Collected 20 Feb 1918 by H. C. Raven. Original number 3547.

Type Locality: Pinedapa, [Sulawesi Tengah], Middle Celebes (Sulawesi), [Indonesia].

Genus *Eumops* Miller, 1906

***Eumops amazonicus* Handley**

Proc. Biol. Soc. Wash. 68: 177, 31 Dec 1955a.

= *Eumops hansae* Sanborn, 1932. See Gardner et al. (1970:727). Holotype: USNM 123827. Skin and skull. Young adult, sex not given. Collected in 1899 by “Bicego.” No original number.

Type Locality: Manaus (Manaus), Amazonas, Brazil.

Remarks: Museu Paulista number 365a.

***Eumops hansae* Sanborn**

J. Mammal. 13: 356, 2 Nov 1932.

Holotype: USNM 200993. [Skin and skull]. Adult male. Collected in 1901 by H. Ehrhardt. No original number.

Type Locality: Colonia Hansa, near Joinville, Santa Catherina (Catarina), Brazil.

Remarks: Museu Paulista number 1339.

***Molossus californicus* Merriam**

N. Am. Fauna 4: 31, 8 Oct 1890b.

= *Eumops perotis californicus* (Merriam, 1890). See Sanborn (1932:351).

Holotype: USNM 186448. [In alcohol]. Adult female. Collected 14 Dec 1889 by E. C. Thurber. No original number. Merriam collection number 5736.

Type Locality: Alhambra, Los Angeles County, California.

Remarks: Published as Merriam collection number 5736. Cataloged as USNM 186448 on 13 Oct 1911.

***Nyctinomus orthotis* H. Allen**

Proc. Am. Philos. Soc. 26: 4, 3 Dec 1889a. Preprint of Proc. Am. Philos. Soc. 26: 561, 18 Dec 1889b.

= *Eumops glaucinus* (Wagner, 1843). See Sanborn (1932:353). Considered monotypic by Eger (2008:412).

Holotype: USNM 9397/37447. Skin [in alcohol, skull removed]. Age and sex not given. Collected probably Aug 1868 by W. T. March. No original number.

Type Locality: Spanishtown (Spanish Town), [St. Catherine, Jamaica].

Remarks: Published as USNM 9397 to which skull number 37447 belongs.

Genus *Molossus* E. Geoffroy, 1805***Molossus debilis* G. S. Miller**

Proc. U.S. Natl. Mus. 46: 90, 23 Aug 1913f.

= *Molossus molossus debilis* G. S. Miller, 1913. See Jones and Phillips (1970:143).

Holotype: USNM 110935. In alcohol, [skull removed]. Adult female. Collected in 1901 by W. H. Alexander. No original number.

Type Locality: St. Kitts, [Saint Kitts and Nevis], Lesser Antilles.

***Molossus fortis* G. S. Miller**

Proc. U.S. Natl. Mus. 46: 89, 23 Aug 1913f.

= *Molossus molossus fortis* G. S. Miller, 1913. See Varona (1974:42).

Holotype: USNM 102319. In alcohol, [skull removed]. Adult male. Collected 5 Mar 1900 by L. Stejneger and C. W. Richmond. No original number.

Type Locality: Luquillo, Porto (Puerto) Rico.

***Molossus nigricans* G. S. Miller**

Proc. Acad. Nat. Sci. Phila. 54: 395, 3 Sep 1902d.

= *Molossus rufus* E. Geoffroy, 1805. See Dolan (1989:44). Considered monotypic by Eger (2008:425).

Holotype: USNM 90941. Skin and skull. Adult male. Collected 2 Aug 1897 by E. W. Nelson and E. A. Goldman. Original number 11433.

Type Locality: Acaponeta, [FC: altitude 150 ft (46 m)], Tepic (Nayarit), Mexico.

***Molossus pretiosus* G. S. Miller**

Proc. Acad. Nat. Sci. Phila. 54: 396, 3 Sep 1902d.

Holotype: USNM 102761. Skin and skull. Adult male. Collected 13 Jul 1900 by W. Robinson and M. W. Lyon, Jr. Original number 106.

Type Locality: La Guaira, [Vargas], Venezuela.

***Molossus pygmaeus* G. S. Miller**

Proc. Biol. Soc. Wash. 13: 162, 31 Oct 1900f.

= *Molossus molossus pygmaeus* G. S. Miller, 1900. See Simmons (2005:441).

Holotype: USNM 102104. In alcohol, [skull removed]. Adult female. Collected 16 Jan 1900 by [MC: L. J. Guthrie]. No original number.

Type Locality: In an attic near Willemstad, Curacao, [Netherlands Antilles], West Indies.

Genus *Mormopterus* Peters, 1865***Mormopterus phrudus* Handley**

Proc. Biol. Soc. Wash. 69: 197, 31 Dec 1956.

Holotype: USNM 194449. Skin and skull. Adult male. Collected 26 Jun 1915 by E. Heller. Original number 361.

Type Locality: San Miguel Bridge, altitude 6,000 ft (1,829 m), Urubamba River, Machu Picchu, Cuzco (Cusco), Peru.

***Tadarida loriae cobourgiana* Johnson**

Proc. Biol. Soc. Wash. 72: 185, 4 Nov 1959.

= *Mormopterus loriae cobourgianus* (Johnson, 1959). See Flannery (1995:479).

Holotype: USNM 284243. Skin and skull. Adult female. Collected 25 Sep 1948 by D. H. Johnson. Original number 5846.

Type Locality: Black Rock Point on north shore of Van Diemen Gulf, 15 mi (24 km) southeast of Cape Don lighthouse, Cobourg Peninsula, Northern Territory, Australia, lat. 11°26'S, long. 131°56'E.

Genus *Nyctinomops* Miller, 1902***Dysopes aurispinosus* Peale**

U.S. Explor. Exped. 8: 21, 1848.

= *Nyctinomops aurispinosus* (Peale, 1848). See G. S. Miller (1902d:393).

Holotype: USNM 3726. [Skin only in alcohol]. [Lyon and Osgood (1909:279): Adult male]. Collected by the U.S. Exploring Expedition on 18 Nov 1838-1842. No original number.

Type Locality: About 100 mi (161 km) south of Cape St. Roque (Cabo Sao Roque), Brazil.

Remarks: The holotype was not designated by number in the original description. However, Peale (1848:21) speaks of a single specimen that flew aboard the U.S. ship Peacock. The specimen listed above was first cataloged 20 Dec 1859 as USNM 3726 and then a second time on 31 Oct 1861 when it was assigned USNM 5476. In both instances the entry reads *Molossus aurispinosus* Brazil, U.S. Exploring Expedition. There is no question this is the specimen Peale (1848:21) described and is the holotype by monotypy (ICZN, 1999: Article 73.1.2).

***Nyctinomops yucatanicus* G. S. Miller**

Proc. Acad. Nat. Sci. Phila. 54: 393, 3 Sep 1902d.

= *Nyctinomops laticaudatus yucatanicus* G. S. Miller, 1902. See Freeman (1981:163).

Holotype: USNM 108166. Skin and skull. Adult female. Collected 9 Feb 1901 by E. W. Nelson and E. A. Goldman. Original number 14521.

Type Locality: Chichen Itza, Yucatan, [SL: Mexico].

***Nyctinomus europs* H. Allen**

Proc. Am. Philos. Soc. 26: 1, 3 Dec 1889a. Preprint of Proc. Am. Philos. Soc. 26: 558, 18 Dec 1889b.

= *Nyctinomops laticaudatus europs* (H. Allen, 1889). See Avila-Flores et al. (2002:1).

Lectotype: USNM 101498 as designated by Shamel (1931b:14). In alcohol, [skull removed]. Adult female. Collected on unknown date by Prof. [MC: C. F.] Harte [MC: Hartt]. No original number. [MC: Cataloged 5 Dec 1899].

Type Locality: Brazil. Restricted by Cabrera (1958:121) to Corumbá, Mato Grosso do Sul, Brazil.

***Nyctinomus femorosaccus* Merriam**

N. Am. Fauna 2: 23, 30 Oct 1889b.

= *Nyctinomops femorosaccus* (Merriam, 1889). See G. S. Miller (1902d:393).

Holotype: USNM 186447. In alcohol. Adult male. Collected 27 Mar 1885 by F. Stephens. Original number [MCC: 252]. Merriam Collection number 2276.

Type Locality: Agua Caliente (Palm Springs), [MCC: west end] Colorado Desert, [Riverside County], California.

Remarks: Published as Merriam Collection number 2276. Cataloged USNM 186447 on 13 Oct 1911.

***Nyctinomus macrotis nevadensis* H. Allen**

Bull. U.S. Natl. Mus. 43: 171, 14 Mar 1894.

= *Nyctinomops macrotis* (Gray, 1840). See G. S. Miller (1902d:393). *N. macrotis* was considered to be monotypic by Simmons (2005:447).

Lectotype: USNM 15178/36569 as designated by J. A. Allen (1894:326, footnote). In alcohol, skull removed. Immature female. Collected [MC: 11 Aug 1885] by J. Mullen. No original number.

Type Locality: California and Nevada, but restricted by selection of the lectotype to California.

Remarks: The original description was based on two specimens. J. A. Allen (1894:326, footnote) selected USNM 15178/36569 to be the type = lectotype (ICZN, 1999: Article 74.5).

Genus *Promops* Gervais, 1856

***Promops pamana* G. S. Miller**

Proc. Biol. Soc. Wash. 26: 33, 8 Feb 1913a.

= *Promops nasutus* (Spix, 1823). See Goodwin and Greenhall (1962:11) who placed *pamana* in *nasutus*. Eger (2008:436) considered *P. nasutus* to be monotypic.

Holotype: USNM 105528. Skin only [in alcohol]. Adult male. Collected 22 Mar 1901 by J. B. Steere. No original number.

Type Locality: Hyutanaham (Huitanaa), Upper Purus River, [Amazonas], Brazil.

Genus *Tadarida* Rafinesque, 1814

***Nycticea cynocephala* LeConte**

In McMurtrie, *The Animal Kingdom* 1: 432, 1831.

= *Tadarida brasiliensis cynocephala* (LeConte, 1831). See Schwartz (1955:108).

Holotype: USNM 4742. [Skin with skull inside]. Age and sex unknown. Collected on unknown date by [MC: Maj. LeConte]. No original number. [MC: Cataloged 13 Apr 1861].

Type Locality: Unknown. Long presumed to be the LeConte plantation (Woodmanston), near Riceboro, Liberty County, Georgia.

Remarks: A type was not designated by number in the original description. USNM 4742 has long been considered the type, Lyon and Osgood (1909:279) and Poole and Schantz (1942:123). It is a LeConte specimen, bears two old labels that have *cynocephalus* written on them, and is entered in the museum catalog as such.

***Nyctinomus antillularum* G. S. Miller**

Proc. Acad. Nat. Sci. Phila. 54: 398, 3 Sep 1902d.

= *Tadarida brasiliensis antillularum* (G. S. Miller, 1902). See Schwartz (1955:108).

Holotype: USNM 113188. In alcohol, [skull removed]. Adult male. Collected 5 Aug 1901 by H. S. Branch [MC: C. E. Ashcraft, Jr.]. No original number.

Type Locality: Roseau, [Saint George], Dominica, West Indies.

***Nyctinomus mohavensis* Merriam**

N. Am. Fauna 2: 25, 30 Oct 1889c.

= *Tadarida brasiliensis mexicana* (Saussure, 1860). See G. S. Miller (1924:86) who placed *mohavensis* in *mexicana* and Schwartz (1955:108).

Holotype: USNM 186446. In alcohol. Adult male. Collected 8 Mar 1889 by V. Bailey. Original number [MC: 643]. Merriam collection number 5418.

Type Locality: [FC: At a pond 3 mi (5 km) south of] Fort Mohave, [Mohave County], Arizona.

Remarks: Published as Merriam collection number 5418. Cataloged as USNM 186446 on 13 Oct 1911.

***Tadarida constanzae* Shamel**

Proc. U.S. Natl. Mus. 78(19): 10, 6 May 1931b.

= *Tadarida brasiliensis constanzae* Shamel, 1931. See Schwartz (1955:108)

Holotype: USNM 217205. In alcohol, [skull removed]. Adult male. Collected 26 Sep 1916 by W. L. Abbott. No original number.

Type Locality: Constanza, Dominican Republic.

***Tadarida intermedia* Shamel**

Proc. U.S. Natl. Mus. 78(19): 7, 6 May 1931b.

= *Tadarida brasiliensis intermedia* Shamel, 1931. See Schwartz (1955:108).

Holotype: USNM 78488. In alcohol, [skull removed]. Adult male. Collected 11 Dec 1895 by E. W. Nelson and E. A. Goldman. Original number [SL: 8773].

Type Locality: Valley of Comitán, [FC: altitude 5,700 ft (1,737 m)], Chiapas, Mexico.

FAMILY VESPERTILIONIDAE GRAY, 1821

Genus *Antrozous* H. Allen, 1862

Antrozous minor G. S. Miller

Proc. Acad. Nat. Sci. Phila. 54: 389, 3 Sep 1902d.

= *Antrozous pallidus minor* G. S. Miller, 1902. See Goldman (1951:356).

Holotype: USNM 79096. Skin and skull. Adult, sex not given. Collected 20 Sep 1895 by J. E. McLellan. No original number.

Type Locality: Comondu, Lower California (Baja California Sur), Mexico.

Antrozous pallidus cantwelli Bailey

N. Am. Fauna 55: 391, 29 Aug 1936.

= *Antrozous pallidus pallidus* (LeConte, 1855). See Martin and Schmidly (1982:28).

Holotype: USNM 232362. Skin and skull. Adult female. Collected 28 May 1919, not 1918 as in original description, by G. G. Cantwell. Original number 1211.

Type Locality: Rogersburg, [MC: mouth, Grande Ronde River, 700 ft (213 m)], Asotin County, Washington.

Antrozous pallidus obscurus Baker

Southwest. Nat. 12: 329, 31 Oct 1967.

Holotype: USNM 395263. Skin and skull. Young adult male. Collected 31 Jul 1966 by P. Dalby and F. Welling; prepared by R. H. Baker. Original number 5338.

Type Locality: Acuna Ranch, 800 m, approximately 40 km north of Gonzales in the Sierra de Tamaulipas, Tamaulipas, Mexico.

Remarks: Published as 11362, the Museum, Michigan State University. Cataloged USNM 395263 on 10 Dec 1968.

Antrozous pallidus pacificus Merriam

Proc. Biol. Soc. Wash. 11: 180, 1 Jul 1897e.

Holotype: USNM 29815. In alcohol. [Lyon and Osgood (1909:278): Adult female, not male as in original description]. Collected 28 Jun 1891 by C. H. Merriam. Original number 208.

Type Locality: Old Fort Tejon, Canada del las Uvas (Grapevine Canyon), [Tehachapi Mountains, Kern County], California.

V[esperilio]. pallidus LeConte

Proc. Acad. Nat. Sci. Phila. 7: 437, reported favorably for publication 25 Dec 1855. Receipt acknowledged in 1856 by the Smithsonian Institution.

= *Antrozous pallidus pallidus* (LeConte, 1855). See H. Allen (1864:68).

Holotype: USNM 152/1134. Skin and skull. Age and sex unknown. Collected in 1851 by J. H. Clark. No original number. Type Locality: [SL: El Paso, El Paso County, Texas].

Remarks: A type was not designated by number in the original description. H. Allen (1864:69) considered USNM 152/1134 the type and Baird (1859:5) stated that the one described by LeConte was taken at El Paso. There is no indication that LeConte had more than the one specimen, so this is the holotype fixed by monotypy (ICZN, 1999: Article 73.1.2). The skull of this specimen, USNM 1134, was reported lost by both Lyon and Osgood (1909:278) and Poole and Schantz (1942:145); it was found and reunited with the skin on 7 Mar 1980. The skin of this specimen was cataloged a second time as USNM 5467. It now bears both numbers and is on the electronic database as USNM 152. LeConte (1855:437) gave California as habitat; Baird (1859:5) clearly stated that LeConte's specimen came from El Paso.

Genus *Corynorhinus* H. Allen, 1865

Corynorhinus macrotis pallescens G. S. Miller

N. Am. Fauna 13: 52, 16 Oct 1897a.

= *Corynorhinus townsendii pallescens* G. S. Miller, 1897. See Handley (1955b:147).

Holotype: USNM 66534, not 65534 as in original description. Skin [and skull]. Adult female. Collected 3 Aug 1894 by A. K. Fisher. Original number 1715.

Type Locality: Keam (Keams) Canyon, [FC: 80 mi (129 km) north of Holbrook], Navajo County, Arizona.

Corynorhinus megalotis mexicanus G. M. Allen

Bull. Mus. Comp. Zool. 60: 347, 20 Apr 1916.

= *Corynorhinus mexicanus* G. M. Allen, 1916. See Handley (1955b:148).

Holotype: USNM 98285. Skin and skull. Adult female. Collected 25 Aug 1899 by E. W. Nelson and E. A. Goldman. Original number [SL: 13955].

Type Locality: Near Pacheco, Chihuahua, Mexico.

Corynorhinus townsendii australis Handley

J. Wash. Acad. Sci. 45: 147, 27 May 1955b.

Holotype: USNM 297265. In alcohol, skull removed. Adult female. Collected 20 Dec 1952 by A. Malaga-Alba. Original number 1053.

Type Locality: [MC: Boca Mine], 2 mi (3 km) W Jacala, 5,500 ft (1,676 m), Hidalgo, Mexico.

Corynorhinus townsendii ingens Handley

J. Wash. Acad. Sci. 45: 148, 27 May 1955b.

Holotype: USNM 296767. Skin and skull. Adult male. Collected 4 Dec 1950 by J. A. Sealander. No original number. [SL: University of Arkansas, Zoology Department number M50-14].

Type Locality: Hewlitt Cave, 12 mi (19 km) W Fayetteville, Washington County, Arkansas.

Corynorhinus townsendii virginianus Handley

J. Wash. Acad. Sci. 45: 148, 27 May 1955b.

Holotype: USNM 269163. Skin and skull. Adult male. Collected 12 Nov 1939 by W. J. Stephenson. No original number.

Type Locality: Schoolhouse Cave, 4.4 mi (7 km) NE Riverton, [SL: 22 mi (35 km) SE Petersburg], 2,205 ft (672 m), Pendleton County, West Virginia.

Genus *Eptesicus* Rafinesque, 1820

Eptesicus hispaniolae G. S. Miller

Proc. Biol. Soc. Wash. 31: 39, 16 May 1918.

= *Eptesicus fuscus hispaniolae* G. S. Miller, 1918. See Shamel (1945:108).

Holotype: USNM 217207. In alcohol, [skull removed]. Adult male. Collected 22 Sep 1916 by W. L. Abbott. No original number.

Type Locality: Constanza, [SL: 5,000 ft (1,524 m)], Santo Domingo (Dominican Republic).

Eptesicus lynni Shamel

Proc. Biol. Soc. Wash. 58: 107, 18 Jul 1945.

= *Eptesicus fuscus lynni* Shamel, 1945. See Simmons (2005:454).

Holotype: USNM 258488. In alcohol, skull removed. Adult female. Collected 11 Jul 1932 by W. G. Lynn. Original number B25.

Type Locality: A cave [MC: 3 mi (5 km)] east of Montego Bay, [MC: a few hundred yards off the main road which encircles the island], [Saint James], Jamaica.

Eptesicus pallidus Young

Proc. Acad. Nat. Sci. Phila. 60: 408, 14 Oct 1908.

= *Eptesicus fuscus pallidus* Young, 1908. See G. S. Miller (1912b:62).

Holotype: USNM 142526. [Skin and skull]. Adult female. Collected 22 Jul 1903 by R. T. Young. Original number [SL: 1315].

Type Locality: Boulder, [Boulder County], Colorado.

Eptesicus serotinus pallens G. S. Miller

Proc. Biol. Soc. Wash. 24: 53, 24 Feb 1911a.

Holotype: USNM 155156. Skin and skull. Adult male. Collected 4 Aug 1909 by A. de C. Sowerby. Original number 246.

Type Locality: Ch'eng-yuan-hsien (Chengyang Xiang?), [FC: 4,150 ft (1,265 m)], 70 mi (113 km) west of Ch'ing-yang-fu (Qingyang), Kansu (Ningxia), China.

Eptesicus wetmorei Jackson

Proc. Biol. Soc. Wash. 29: 37, 24 Feb 1916.

= *Eptesicus fuscus wetmorei* Jackson, 1916. See Shamel (1945:108).

Holotype: USNM 179142. In alcohol, skull removed. Young adult male. Collected 29 May 1912 by A. Wetmore. Original number 900.

Type Locality: Maricao, altitude 1,375 ft (419 m), Puerto Rico.

[Scotophilus]. miradorensis H. Allen

Proc. Acad. Nat. Sci. Phila. 18: 287, ordered published 28 Aug 1866.

= *Eptesicus fuscus miradorensis* (H. Allen, 1866). See G. S. Miller (1912b:62).

Holotype: USNM 5411; ANSP 1842. In alcohol. Age and sex not given. Collected on unknown date by Doctor Sartorius. No original number.

Type Locality: Mirador, [Veracruz], Mexico.

Remarks: A type was not designated by number in the original description. Allen had only one specimen from the above locality and collected by Sartorius, and he said it was in the Smithsonian. USNM 5411 is the only specimen in the collection that matches the data given by Allen and therefore is the holotype by monotypy (ICZN, 1999; Article 73. 1. 2). This specimen has been missing from the Smithsonian collection at least since Mar 1902. R. D. Fisher confirmed its presence in the ANSP collection on 19 Jun 1996 bearing ANSP number 1842, even though it is not listed by Koopman (1976).

Vespertilio fuscus bahamensis G. S. Miller

N. Am. Fauna 13: 101, 16 Oct 1897a.

= *Eptesicus fuscus bahamensis* (G. S. Miller, 1897). See Shamel (1945:108).

Holotype: USNM 76537. In alcohol. Adult male. Collected Spring 1894 by C. J. Maynard. No original number.

Type Locality: Nassau, New Providence [Island], Bahamas.

Genus *Histiotus* Gervais, 1856

Histiotus humboldti Handley

Proc. Biol. Soc. Wash. 109: 2, 16 Apr 1996.

Holotype: USNM 370968. Skin, skull, and [partial] skeleton. Adult lactating female. Collected 24 Jul 1965 by C. O. Handley, Jr. Original number SVP 92.

Type Locality: Los Venados, 4 km NNW Caracas [SL: 5 mi (8 km) N of Caracas], 10°32'N, 66°54'W, 1,498 m, Distrito Federal, Venezuela.

Genus *Hypsugo* Kolenati, 1856

Pipistrellus curtatus G. S. Miller

Proc. Biol. Soc. Wash. 24: 25, 24 Feb 1911f.

= *Hypsugo macrotis* (Temminck, 1840). See Simmons (2005:491).

Holotype: USNM 141019. In alcohol, [skull removed]. Adult female. Collected 1 Dec 1904 by W. L. Abbott. Original number 3785.

Type Locality: Engano Island (Pulau Enggano), [Bengkulu], Sumatra, [Indonesia].

Genus *Kerivoula* Gray, 1842***Kerivoula bombifrons* Lyon**

Proc. U.S. Natl. Mus. 40: 134, 25 Apr 1911b.

= *Kerivoula pellucida* (Waterhouse, 1845). See Hill (1966:539).

Holotype: USNM 145616. In alcohol, skull removed. Adult male. Collected 15 Aug 1907 by W. L. Abbott. Original number 5497.

Type Locality: Along Matan River (Sungai Matan), [Kalimantan Barat], Borneo (Kalimantan), [Indonesia].

***Kerivoula depressa* G. S. Miller**

Proc. Biol. Soc. Wash. 19: 64, 1 May 1906d.

= *Kerivoula hardwickii* (Horsfield, 1824). See Hill (1966:543) who placed *depressa* as a subspecies of *hardwickii*. Simmons (2005:526) considered *hardwickii* to be monotypic.

Holotype: USNM 18533/38194. In alcohol, [skull removed]. Adult female. Collected on unknown date in 1890 by L. Fea. Original number [MC: 29. Skin cataloged 2 May 1890; skull 4 Feb 1904].

Type Locality: Biapo, Carin (Karin) Hills, northeast Tounghoo (Toungoo), [Kayin?], southern Burma, India.

***Kerivoula engana* G. S. Miller**

Proc. U.S. Natl. Mus. 30: 825, 4 Jun 1906e.

= *Kerivoula hardwickii* (Horsfield, 1824). See Hill (1966:543) who placed *engana* as a subspecies of *hardwickii*. Simmons (2005:526) considered *hardwickii* to be monotypic.

Holotype: USNM 141020. In alcohol, [skull removed]. Adult male. Collected 3 Nov 1904 by W. L. Abbott. Original number 3766.

Type Locality: Pulo (Pulau) Dua, Engano (Pulau Enggano), [Bengkulu, Sumatra, Indonesia].

***Kerivoula minuta* G. S. Miller**

Proc. Acad. Nat. Sci. Phila. 50: 321, 12 Jul 1898b.

Holotype: USNM 83547. In alcohol, [skull removed]. Adult male. Collected Sep 1896 by W. L. Abbott. No original number.

Type Locality: [MC: Lay Song Hong], Trong (Trang), Siam (Thailand).

Genus *Laephotis* Thomas, 1901***Laephotis botswanae* Setzer**

Proc. Biol. Soc. Wash. 84: 260, 4 Nov 1971.

Holotype: USNM 425349. Skin and skull. Adult female. Collected 24 May 1967 by S. W. Goussard. Original number 691.

Type Locality: 50 mi (80 km) W, 12 mi (19 km) S Shakawe, [Schmidt et al. (2008:35): 18°32'S, 21°05'E], Botswana.

***Laephotis namibensis* Setzer**

Proc. Biol. Soc. Wash. 84: 259, 4 Nov 1971.

Holotype: USNM 342152. Skin and skull. Adult female. Collected 22 Nov 1963 by R. E. Cole. Original number 270.

Type Locality: Namib Research Station, Gobabeb, [Schmidt et al. (2008:35): 23°33'S, 15°22'E], South West Africa (Namibia).

Genus *Lasiurus* Gray, 1831***Atalapha semota* H. Allen**

Proc. U.S. Natl. Mus. 13: 173, 9 Sep 1890c.

= *Lasiurus cinereus semotus* (H. Allen, 1890). See Sanborn and Crespo (1957:12).

Lectotype: USNM 15631/38983 as designated by Lyon and Osgood (1909:276). In alcohol, [skull removed]. Adult female. Collected on unknown date by V. Knudsen. No original number. [MC: Cataloged 4 Jan 1887].

Type Locality: Sandwich (Hawaiian) Islands.

Remarks: Published as USNM 15631, to which USNM 38983 belongs.

***Atalapha teliotis* H. Allen**

Proc. Am. Philos. Soc. 29: 5, 10 Apr 1891.

= *Lasiurus blossevillii teliotis* (H. Allen, 1891). See G. S. Miller (1897a:110).

Holotype: USNM 84555. In alcohol, skull removed and lost. Age, sex, collector, and date collected unknown. [MC: Cataloged 27 Apr 1898].

Type Locality: Unknown. Lyon and Osgood (1909:277) stated probably California.

Remarks: A type was not designated by number in the original description. However, Allen based his description on a single specimen that was sent to him by J. G. Cooper of the California Academy of Sciences (Lyon and Osgood, 1909:277). USNM 84555 bears an original label marked *Atalapha teliotis*, Cal. Acad. N. S. It is without doubt that single specimen and therefore is the holotype by monotypy (ICZN, 1999: Article 73.1.2).

***Dasypterus floridanus* G. S. Miller**

Proc. Acad. Nat. Sci. Phila. 54: 392, 3 Sep 1902d.

= *Lasiurus intermedius floridanus* (G. S. Miller, 1902). See Hall and Jones (1961:84).

Holotype: USNM 111379. Skin and skull. Adult female. Collected 28 Mar 1901 by E. A. Mearns. Original number 5183.

Type Locality: Lake Kissimmee, [Osceola County], Florida.

***Lasiurus borealis ornatus* Hall**

Univ. Kans. Publ., Mus. Nat. Hist. 5: 226, 15 Dec 1951.

= *Lasiurus blossevillii teliotis* (H. Allen, 1891). See Baker et al. (1988:9).

Holotype: USNM 8492/37578. Skin and skull. Age and sex not given. Obtained from F. Sumichrast. No original number.

Type Locality: Penuela, [SL: near Cordova (Cordoba)], Veracruz, [Mexico].

Lasiurus castaneus Handley

Proc. U.S. Natl. Mus. 112: 468, 6 Oct 1960.

Holotype: USNM 310263. Skin, skull, [and skeleton]. Adult female. Collected 6 Mar 1959 by C. O. Handley, Jr. and B. R. Feinstein. Original number [SL: COH, Jr.] 5445.

Type Locality: Tacarcuna Village [SL: Camp], 3,200 ft (975 m), Rio Pucro, Darien, Panama.

Lasiurus degelidus G. S. Miller

J. Mammal. 12: 410, 11 Nov 1931c.

Holotype: USNM 96188, not 96187 as in original description. In alcohol, [skull removed]. Adult female. Collector and date not given. Received from the Institute of Jamaica in 1898. [SL: 1908-X].

Type Locality: Sutton's (Suttons), District of Vere, [Clarendon], Jamaica.

Lasiurus intermedius H. Allen

Proc. Acad. Nat. Sci. Phila. 14: 246, ordered published 29 Apr 1862.

= *Lasiurus intermedius intermedius* H. Allen, 1862.

Lectotype: USNM 6136 as designated by Lyon and Osgood (1909:292). [In alcohol]. Age, sex, and collector not given. [MC: Received from L. B. Couch. Cataloged 7 Feb 1863].

Type Locality: Matamoros, Tamaulipas, [Mexico].

Remarks: Lyon and Osgood (1909:292), reiterated by Poole and Schantz (1942:571), gave their reasons for selecting USNM 6136 as the type = lectotype. A note written in the Museum Catalog indicates that the specimen could not be found on 5 Mar 1902; its whereabouts is still unknown.

Lasiurus minor G. S. Miller

J. Mammal. 12: 410, 11 Nov 1931c.

Holotype: USNM 256505. Skull with complete set of molariform teeth, but lacking canines, incisors, and mandible. Age and sex not given. Collected 6–7 Mar 1931 by H. W. Krieger. No original number.

Type Locality: From owl pellets in the Voute l'Eglise, a cave situated near the Jacmel road a few kilometers north of Trouin, altitude 1,350 ft (411 m), [Ouest], Haiti.

Myotis quebecensis Yourans

Le Natural. Can. 57: 65, Mar 1930.

= *Lasiurus borealis* (Muller, 1776). See Maheux (1930:185-186).

Holotype: USNM 255564. Skin with skull inside. Adult male. Collected in 1927 by E. Yourans. No original number.

Type Locality: Anse-a-Wolfe (Anse au Foulon), Quebec, Canada.

Genus *Miniopterus* Bonaparte, 1837*Miniopterus natalensis arenarius* Heller

Smithson. Misc. Collect. 60(12): 2, 4 Nov 1912a.

Holotype: USNM 181811. [Skin and skull]. Adult female. Collected 4 Oct 1911 by E. Heller. Original number 4413.

Type Locality: Guaso Nyuki, Northern Guaso Nyiro (Ewaso Ng'iro) River, British East Africa (Kenya).

Miniopterus paululus Hollister

Proc. U.S. Natl. Mus. 46: 311, 31 Dec 1913a.

Holotype: USNM 105493. In alcohol, skull removed. Adult, sex not given. Collected Dec 1887 by J. B. Steere. No original number.

Type Locality: Guimaras Island, [Guimaras Province], [MC: Philippine Islands] (Philippines).

Genus *Murina* Gray, 1842*Murina huttoni fuscus* Sowerby

J. Mammal. 3: 46, 8 Feb 1922.

= *Murina fusca* Sowerby, 1922. See Honacki et al. (1982:183).

Holotype: USNM 199672. Skin and skull. [Poole and Schantz (1942:150): Adult] female. Collected 28 Sep 1914 by A. de C. Sowerby. Original number 702.

Type Locality: Forest of North Kirin, [SL: 500 ft (152 m)], Imienpo (Yimianpo) area, [SL: near Ninguta (Ning'an)], Manchuria [Heilongjiang, China].

Genus *Myotis* Kaup, 1829*Myotis abbotti* Lyon

Proc. U.S. Natl. Mus. 52: 441, 30 Dec 1916.

= *Myotis hasseltii abbotti* Lyon, 1916. See Hill (1983:160).

Holotype: USNM 121611. In alcohol, skull removed. Adult female. Collected 3 Jan 1903 by W. L. Abbott. Original number 2191.

Type Locality: North Pagi Island (Pulau Pagai Utara), [Sumatera Barat, Sumatra, Indonesia].

Myotis adversus continentis Shamel

J. Mammal. 23: 323, 14 Aug 1942a.

= *Myotis hasseltii continentis* Shamel, 1942. See Hill (1983:163).

Holotype: USNM 251718. Skin and skull. Adult female. Collected 8 Aug 1926 by H. M. Smith. Original number [SL: 1274].

Type Locality: Bangkok (Krung Thep), [Krung Thep], C. Siam (Thailand).

Myotis altifrons Hollister

Smithson. Misc. Collect. 56(26): 3, 5 Dec 1911b.

= *Myotis volans longicrus* (True, 1886). See Miller and Allen (1928:140).

Holotype: USNM 174133. Skin and skull. Adult male. Collected 5 Sep 1911 by J. H. Riley. Original number 2317.

Type Locality: Henry House, altitude 3,350 ft (1,021 m), Alberta, [Canada].

Myotis austroriparius mumfordi Rice

Q. J. Fla. Acad. Sci. 13: 67, 17 May 1955.

= *Myotis austroriparius* (Rhoads, 1897). Considered monotypic by LaVal (1970:50).

Holotype: USNM 293800. Skin and skull. Adult male. Collected 11 Jan 1949 by R. Mumford. Original number [SL: 9].

Type Locality: Bronson Cave, Spring Mill State Park, 3 mi (5 km) east of Mitchell, Lawrence County, Indiana.

***Myotis baileyi* Hollister**

Proc. Biol. Soc. Wash. 22: 44, 10 Mar 1909.

= *Myotis occultus* Hollister, 1909. See Miller and Allen (1928:97).

Holotype: USNM 125787. [Skin and skull]. Adult female in alcohol [FC: made into skin 7 Nov 1910]. Collected 14 Sep 1902 by N. Hollister. Original number 195.

Type Locality: Base of White Mountains, altitude 7,500 ft (2,286 m), near Ruidoso, [Lincoln County], New Mexico.

***Myotis californicus caurinus* G. S. Miller**

N. Am. Fauna 13: 72, 16 Oct 1897a.

Holotype: USNM 72219. In alcohol, [skull removed]. Adult male. Collected in 1895 by J. H. Keen. No original number.

Type Locality: [SL: Massett], [Graham Island], Queen Charlotte Islands, British Columbia, [Canada].

***Myotis californicus pallidus* Stephens**

Proc. Biol. Soc. Wash. 13: 153, 13 Jun 1900. Junior secondary homonym of *Kerivoula pallida* Blyth, 1863. Replaced with *Myotis californicus stephensi* by Dalquest (1946:67).

Holotype: USNM 99829. [Skin and skull]. [Poole and Schantz (1942:151): Adult] male. Collected 1 Apr 1895 by F. Stephens. Original number 2498.

Type Locality: Vallecito, [SL: altitude 1,600 ft (488 m)], San Diego County, California.

***Myotis capitaneus* Nelson and Goldman**

Proc. Biol. Soc. Wash. 22: 28, 10 Mar 1909.

= *Myotis volans volans* (H. Allen, 1866). See Miller and Allen (1928:139).

Holotype: USNM 146046. [Skin and skull]. Adult male. Collected 12 Nov 1905 by E. W. Nelson and E. A. Goldman. Original number 18526.

Type Locality: San Jorge, altitude 100 ft (30 m) [FC: 50 ft (15 m)], 30 mi (48 km) southwest of Comondu, Lower California (Baja California Sur), Mexico.

***Myotis carimatae* G. S. Miller**

Proc. U.S. Natl. Mus. 31: 62, 23 Jul 1906a.

= *Myotis adversus carimatae* G. S. Miller, 1906. See Hill (1983:162).

Holotype: USNM 125154. In alcohol, [skull removed]. Adult female. Collected 28 Aug 1904 by W. L. Abbott. Original number 3673.

Type Locality: Telok (Teluk) Edar, Karimata Island (Pulau Karimata), [Kalimantan Barat, Borneo (Kalimantan), Indonesia].

***Myotis deignani* Shamel**

J. Mammal. 23: 324, 14 Aug 1942a.

= *Myotis horsfieldii deignani* Shamel, 1942. See Hill (1983:157).

Holotype: USNM 267264. Skin and skull. Adult male. Collected 20 Oct 1936 by H. G. Deignan. Original number [SL: 97].

Type Locality: Chiangmai (Chiang Mai), [SL: altitude 1,000 ft (305 m)], [Chiang Mai], Siam (Thailand).

***Myotis diminutus* Moratelli and Wilson**

Mamm. Biol. 76: 609, Sep 2011.

Holotype: USNM 528569. Skin and skull. Sub-adult male. Collected 11 Feb 1979 by D. E. Wilson. Original number DEW 4724.

Type Locality: Rio Palenque Science Center, elevation about 150 m, 0°35'11"S, 79°21'53"W, 47 km S (by road) from Santo Domingo, Los Rios, Ecuador.

***Myotis dominicensis* G. S. Miller**

Proc. Biol. Soc. Wash. 15: 243, 16 Dec 1902f.

Holotype: USNM 113564. In alcohol, [skull removed]. Adult male. Collected 20 Jul 1901 by H. S. Branch. No original number.

Type Locality: Dominica, West Indies.

***Myotis findleyi* Bogan**

J. Mammal. 59: 524, 21 Aug 1978.

Holotype: USNM 512417. Skin and skull. Adult male. Collected 14 Mar 1976, collector unknown. Original number C. B. Robbins 5756.

Type Locality: Isla Maria Magdalena, Islas Tres Marias, Nayarit, [Mexico].

***Myotis flavus* Shamel**

J. Mammal. 25: 191, 25 May 1944.

= *Myotis formosus watasei* (Kishida, 1924). See Simmons (2005:507).

Holotype: USNM 239908. In alcohol, [skull removed]. Adult female. Collected Jul 1923 by Y. Horikawa. Original number [SL: 6].

Type Locality: Enri, Formosa (Taiwan).

***Myotis grisescens* A. H. Howell**

Proc. Biol. Soc. Wash. 22: 46, 10 Mar 1909.

Holotype: USNM 157517. Skin and skull. Adult male. Collected 31 Aug 1908 by A. H. Howell. Original number 1233.

Type Locality: Nickajack Cave, near Shellmound, Marion County, Tennessee.

***Myotis handleyi* Moratelli, Gardner, De Oliveira, and Wilson**

Am. Mus. Novit. 3780: 11, 16 Sep 2013.

Holotype: USNM 370932. Skin and skull. Adult male. Collected 19 Aug 1965 by the Smithsonian Venezuelan Project team [SL: M. D. Tuttle]. Original number SVP 753.

Type Locality: Pico Avila, [SL: Hotel Humboldt], elevation 2,092 m, 5 km northeast [SL: 9.4 km N] of Caracas, about 10.33° (10°33') N, 66.52° (66°52') W, Distrito Federal, Venezuela.

***Myotis hirsutus* A. B. Howell**

Proc. Biol. Soc. Wash. 39: 139, 27 Dec 1926.

= *Myotis fimbriatus* (Peters, 1871). See Corbet and Hill (1992: 125).

Holotype: USNM 238863. Skin and skull. Adult female. Collected 7 Apr 1922 by A. de C. Sowerby. Original number 1358.

Type Locality: Near Yenpingfu (Nanping), altitude 2,000 ft (610 m), Fukien (Fujian), [SL: SE] China.

***Myotis longicrus amotus* G. S. Miller**

Proc. Biol. Soc. Wash. 27: 212, 31 Oct 1914b.

= *Myotis volans amotus* G. S. Miller, 1914. See Miller and Allen (1928:145).

Holotype: USNM 54437. Skin and skull. Adult female. Collected 27 May 1893 by E. W. Nelson. Original number 4873.

Type Locality: Cofre de Perote, altitude 12,500 ft (3,810 m), Vera Cruz (Veracruz), Mexico.

***Myotis longicrus interior* G. S. Miller**

Proc. Biol. Soc. Wash. 27: 211, 31 Oct 1914b.

= *Myotis volans interior* G. S. Miller, 1914. See Miller and Allen (1928:142).

Holotype: USNM 133426. Skin and skull. Adult male. Collected 23 Jul 1904 by V. Bailey. Original number 8182.

Type Locality: 5 mi (8 km) south of Twinning, altitude 11,300 ft (3,444 m) [FC: 11,400 ft (3,475 m)], Taos County, New Mexico.

***Myotis lucifugus alascensis* G. S. Miller**

N. Am. Fauna 13: 63, 16 Oct 1897a.

Holotype: USNM 77416. In alcohol, [skull removed]. Adult female. Collected 5 Aug 1895 by C. P. Streater. Original number 4754.

Type Locality: Sitka, Alaska.

***Myotis lucifugus phasma* Miller and Allen**

Bull. U.S. Natl. Mus. 144: 53, 25 May 1928.

= *Myotis yumanensis yumanensis* (H. Allen, 1864). See Harris and Findley (1962:194).

Holotype: USNM 148159. Skin and skull. Adult female. Collected 28 Aug 1906 by M. Cary. Original number 792.

Type Locality: [Armstrong (1972:59): Little] Snake River, south of Sunny Peak, Routt (Moffat) County, Colorado.

***Myotis micronyx* Nelson and Goldman**

Proc. Biol. Soc. Wash. 22: 28, 10 Mar 1909.

= *Myotis evotis micronyx* Nelson and Goldman, 1909. See Manning (1993:43).

Holotype: USNM 146044. [Skin and skull]. Adult male. Collected 8 Nov 1905 by E. W. Nelson and E. A. Goldman. Original number 18490.

Type Locality: Comondu, altitude 700 ft (213 m), Lower California (Baja California Sur), Mexico.

***Myotis nesopolus* G. S. Miller**

Proc. Biol. Soc. Wash. 13: 123, 6 Apr 1900d.

Holotype: USNM 101849. Skin and skull from specimen in alcohol [SL: 8 Feb 1900]. Adult male. Collected 4 Nov 1899 by [SL: L. B. Smith] not L. J. Guthrie as given in original description. No original number.

Type Locality: [SL: Punda], near Willemstad, Curacao, [Netherlands Antilles], West Indies.

***Myotis niasensis* Lyon**

Proc. U.S. Natl. Mus. 52: 441, 30 Dec 1916.

= *Myotis muricola niasensis* Lyon, 1916. See Hill (1983:153).

Holotype: USNM 121876. In alcohol, skull removed. Age and sex not given. Collected 20 Mar 1903 by W. L. Abbott. Original number 2402.

Type Locality: Siaba Bay, Nias Island (Pulau Nias), [Sumatera Utara], off west coast of Sumatra, [Indonesia].

***Myotis nigricans extremus* Miller and Allen**

Bull. U.S. Natl. Mus. 144: 181, 25 May 1928.

Holotype: USNM 77670. Skin and skull. Adult female. Collected 1 Mar 1896 by E. W. Nelson and E. A. Goldman. Original number 9455.

Type Locality: Huehuetan, altitude 300 ft (91 m), [Huehuetan Municipality], Chiapas, Mexico.

***Myotis occultus* Hollister**

Proc. Biol. Soc. Wash. 22: 43, 10 Mar 1909.

Holotype: USNM 137098. Skin and skull. Adult male. Collected 14 May 1905 by N. Hollister. Original number 2237.

Type Locality: West side of Colorado River [SL: bottom], 10 mi (16 km) above Needles, [San Bernardino County], California.

***Myotis pernox* Hollister**

Smithson. Misc. Collect. 56(26): 4, 5 Dec 1911b.

= *Myotis lucifugus pernox* Hollister, 1911. See Crowe (1943:395).

Holotype: USNM 174134. Skin and skull. Adult male. Collected 6 Sep 1911 by J. H. Riley. Original number 2318.

Type Locality: Henry House, Alberta, [Canada].

***Myotis petax* Hollister**

Smithson. Misc. Collect. 60(14): 6, 29 Nov 1912c.

See Matveev et al. (2005:33) for current use.

Holotype: USNM 175189. Skin and skull. Adult female. Collected 30 Jul, not Jun as in original description, 1912 by N. Hollister. Original number 4412.

Type Locality: Kosh-Agatch (Kosh-Agach), Chuisaya Steppe, altitude 7,300 ft (2,225 m), Altai District (Altayskiy), Siberia (Russia).

***Myotis petax loukashkini* Shamel**

Proc. Biol. Soc. Wash. 55: 103, 13 Aug 1942b.

= *Myotis daubentonii loukashkini* Shamel, 1942. See Kruskop (2002:94).

Holotype: USNM 270561. Skin and skull. Adult female. Collected 25 Jun 1937 by A. S. Loukashkin. Original number 487.

Type Locality: Wutalienchieh, Third Lake, Heilungkiang (Heilongjiang) Province, North Manchuria (China).

***Myotis siligorensis thaianus* Shamel**

J. Mammal. 23: 323, 14 Aug 1942a.

Holotype: USNM 260612. Skin and skull, jaws missing. Adult male. Collected 22 Jan 1936 by H. G. Deignan. Original number [SL: 51].

Type Locality: Chiangmai (Chiang Mai), [SL: 1,000 ft (305 m)], [Chiang Mai], [FC: northern] Siam (Thailand).

***Myotis simus riparius* Handley**

Proc. U.S. Natl. Mus. 112: 466, 6 Oct 1960.

= *Myotis riparius* Handley, 1960. See LaVal (1973a: 32).

Holotype: USNM 310255. Skin and skull. Adult female. Collected 9 Feb 1959 by C. O. Handley, Jr. and B. R. Feinstein. Original number [FC: COH, Jr.] 4843.

Type Locality: Tacarcuna Village [SL: Camp], 3,200 ft (975 m), Rio Pucro, Darien, Panama.

***Myotis sowerbyi* A. B. Howell**

Proc. Biol. Soc. Wash. 39: 138, 27 Dec 1926.

= *Myotis siligorensis sowerbyi* A. B. Howell, 1926. See Simmons (2005:516).

Holotype: USNM 238869. Skin and skull. Adult female. Collected 7 Apr 1922 by A. de C. Sowerby. Original number 1366.

Type Locality: Near Yenpingfu (Nanping), altitude 2,000 ft (610 m), not 3,000 ft as in original description, Fukien (Fujian), China.

***Myotis thysanodes* G. S. Miller**

N. Am. Fauna 13: 80, 16 Oct 1897a.

Holotype: USNM 29827/38894. In alcohol, [skull removed]. Adult female. Collected 5 Jul 1891 by T. S. Palmer. Original number 235.

Type Locality: Old Fort Tejon, [Tehachapi Mountains, Kern County], California.

***Myotis winnemana* Nelson**

Proc. Biol. Soc. Wash. 26: 183, 8 Aug 1913.

= *Myotis leibii* (Audubon and Bachman, 1842). See Glass and Baker (1965:205).

Holotype: USNM 150275. [Skin and skull]. Adult male. Collected 31 Aug 1907 by A. K. Fisher. Original number [SL: 2432].

Type Locality: Plummers Island, in Potomac River 10 mi (16 km) above Washington, [Montgomery County], Maryland.

***Myotis yumanensis lutosus* Miller and Allen**

Bull. U.S. Natl. Mus. 144: 72, 25 May 1928.

Holotype: USNM 50783. Skin and skull. Adult female. Collected 17 Jul 1892 by E. W. Nelson. Original number [SL: 2860].

Type Locality: Patzcuaro, [FC: altitude 7,000 ft (2,134 m)], Michoacan, Mexico.

***Myotis yumanensis saturatus* G. S. Miller**

N. Am. Fauna 13: 68, 16 Oct 1897a.

Holotype: USNM 17399/24306. Skin and skull. Adult male. Collected 13 Sep 1889 by T. S. Palmer. Original number 392.

Type Locality: Hamilton, [Skagit County], Washington.

***Pipistrellus cinnamomeus* G. S. Miller**

Proc. Acad. Nat. Sci. Phila. 54: 390, 3 Sep 1902d.

= *Myotis fortidens fortidens* Miller and Allen, 1928. See Hall and Dalquest (1950:586).

Holotype: USNM 100231. Skin and skull. Adult female. Collected 4 May 1900 by E. W. Nelson and E. A. Goldman. Original number 14136.

Type Locality: Montecristo, Tabasco, Mexico.

***Vespertilio affinis* H. Allen**

Smithson. Misc. Collect. 7(1): 53, Jun 1864.

= *Myotis lucifugus lucifugus* (LeConte, 1831). See G. S. Miller (1897a:20).

Holotype: USNM 5342. In alcohol, [skull removed and cannot be found]. [Lyon and Osgood (1909:270): Adult female]. Presented by Dr. Shumard. Date of collection, collector, and original number not given [MC: Cataloged 30 Oct 1861].

Type Locality: Fort Smith, [Sebastian County], Arkansas.

Remarks: The description was based on a single specimen, USNM 5342, listed by number.

***V[espertilio]. agilis* H. Allen**

Proc. Acad. Nat. Sci. Phila. 18: 282, ordered published 28 Aug 1866.

= *Myotis californicus mexicanus* (Saussure, 1860). See Miller and Allen (1928:159).

Holotype: ANSP 1874. In alcohol, [skull removed]. [Koopman (1976:5): Adult female]. Collected by Dr. Sartorius. Date unknown.

Type Locality: Mirador, [Veracruz], Mexico.

Remarks: H. Allen (1866:282) stated that the single specimen was in the Museum of the Smithsonian Institution but did not give a number. Both Lyon and Osgood (1909:290) and Poole and Schantz (1942:572) stated that nothing is known of the specimen. According to Koopman (1976:5), and verified by R. D. Fisher on 19 Jun 1996, it is in the collection of the Academy of Natural Sciences of Philadelphia (Academy of Natural Sciences of Drexel University).

***Vespertilio ciliolabrum* Merriam**

Proc. Biol. Soc. Wash. 4: 2, 17 Dec 1886.

= *Myotis ciliolabrum* (Merriam, 1886). See van Zyll de Jong (1984:2525).

Holotype: USNM 186444. [In alcohol, skull removed]. Adult female. Collected Aug 1885 by A. B. Baker. No original number. Merriam collection number 2797.

Type Locality: Near Banner, Trego County, Kansas.

Remarks: Published as Merriam collection number 2797. Cataloged USNM 186444 on 13 Oct 1911.

***Vespertilio evotis* H. Allen**

Smithson. Misc. Collect. 7(1): 48, Jun 1864.

= *Myotis evotis evotis* (H. Allen, 1864). See G. S. Miller (1897a:77).

Lectotype: USNM 5389 as designated by Lyon and Osgood (1909:290). In alcohol. Age and sex not given. Collected by A. S. Taylor, date unknown. No original number. [MC: Cataloged 31 Oct 1861].

Type Locality: Monterey, [Monterey County], California.

Remarks: A type was not designated by number in the original description. Lyon and Osgood (1909:290) stated that USNM 5389 should be considered the type = lectotype (ICZN, 1999: Article 74.5). This specimen cannot be found.

V[*espertilio*]. *exiguus* H. Allen

Proc. Acad. Nat. Sci. Phila. 18: 281, ordered published 28 Aug 1866.

= *Myotis nigricans nigricans* (Schinz, 1821). See Miller and Allen (1928:178).

Holotype: USNM 5373, ANSP 5626. In alcohol. [MC: Female], age not given. Collector unknown. [MC: Received from Dr. Hayer. Cataloged 30 Oct 1861].

Type Locality: Aspinwall (Colon), N. G. (Colon, Panama).

Remarks: The museum catalog states that this specimen was not found 5 Mar 1902. According to Koopman (1976:6), and verified by R. D. Fisher on 19 Jun 1996, it is in the collection of the Academy of Natural Sciences of Philadelphia (Academy of Natural Sciences of Drexel University) as ANSP 5626 and also bears the ANSP number 1813.

V[*espertilio*]. *exilis* H. Allen

Proc. Acad. Nat. Sci. Phila. 18: 283, ordered published 28 Aug 1866.

= *Myotis californicus californicus* (Audubon and Bachman, 1842). See G. S. Miller (1897a:69).

Holotype: USNM 5402, ANSP 1841. In alcohol. Male, age not given. Collected by J. Xantus, date unknown. Original number [MC: 3895. Cataloged 31 Oct 1861].

Type Locality: Cape (Cabo) St. (San) Lucas, [Baja California Sur, Mexico].

Remarks: This specimen, listed by number (USNM 5402) in the original description, was originally USNM 4977, cataloged on 31 May 1861. It is also a syntype of *Vespertilio orego-*

nensis H. Allen, 1864. Overlooked by both Lyon and Osgood (1909) and Poole and Schantz (1942), this specimen is currently ANSP number 1841. See Koopman (1976:5) and verified by R. D. Fisher on 19 Jun 1996.

***Vespertilio gryphus* var. *septentrionalis* Trouessart**

Cat. Mamm. Viv. Foss. Vol. 1: 131, 1897.

= *Myotis septentrionalis* (Trouessart, 1897). See van Zyll de Jong (1979:993).

Lectotype: USNM 8188/38663 as designated by Miller and Allen (1928:106). In alcohol, skull removed. Adult female. Collected on unknown date by Dr. [MC: J. B.] Gilpin. No original number. [MC: Skin cataloged in 1865; skull 26 Feb 1914].

Type Locality: Halifax, Nova Scotia, [Canada].

***Vespertilio longicrus* True**

Sci. 8: 588, 24 Dec 1886b.

= *Myotis volans longicrus* (True, 1886). See Miller and Allen (1928:140).

Holotype: USNM 15623/22480. [In alcohol, skull removed]. Young adult female. Collected on unknown date by D. S. Jordan. No original number. [MC: Cataloged 16 Dec 1886].

Type Locality: Vicinity of Puget Sound, [Washington].

Remarks: A type was not designated by number in the original description, but a single specimen is implied. It is undoubtedly USNM 15623/22480 and type is written in the "Remarks" column of the museum catalog. The holotype is fixed by monotypy (ICZN, 1999: Article 73.1.2).

V[*espertilio*]. *lucifugus* LeConte

In McMurtrie, *The Animal Kingdom* 1: 431, 1831.

= *Myotis lucifugus lucifugus* (LeConte, 1831). See G. S. Miller (1897a:59).

Syntype: USNM 4741. Skin only. Age and sex not given. Collected on unknown date by J. E. LeConte. No original number. [MC: Cataloged 13 Apr 1861].

Type Locality: Not given. [MC: United States]. [Miller and Rehn (1901:256): Georgia; probably the LeConte plantation (Woodmanston) near Riceboro, Liberty County].

Remarks: A note in the USNM skin catalog says "now (Mar 1927) in the British Museum Number 7.1.1.534." Miller and Allen (1928:44) stated that "this specimen may well be one of the specimens on which LeConte based his original account of the animal."

***Vespertilio macropus* H. Allen**

Proc. Acad. Nat. Sci. Phila. 18: 288, ordered published 28 Aug 1866.

= *Myotis yumanensis yumanensis* (H. Allen, 1864). See G. S. Miller (1897a:66).

Holotype: USNM 84549. [Skin only]. Mature [SL: male]. Collected [SL: 1 Nov 1866; but in a note to C. H. Merriam, Coues says 30 Oct 1865] by E. Coues. No original number. Dr. Coues's private collection.

Type Locality: Near Fort Majaor (Mohave), [note from Coues to Merriam dated 30 Jan 1898 states "Piute Spring, about 25 mi (40 km) W of Fort Mojave"], New Mexico (Mohave County, Arizona).

Remarks: A type was not designated by number in the original description, which was based on a single specimen in Coues's private collection. USNM 84549, bearing a Coues private collection label, is marked *V. macropus* Nov. Type, and is the only one in the collection that matches the data given by Allen. It is without question the specimen upon which the taxon was based and therefore is the holotype by monotypy (ICZN, 1999: Article 73.1.2). It was found in the collection unnumbered and cataloged USNM 84549 on 21 Apr 1898. The discrepancy between the date collected on the skin label and the one given by Coues is difficult to understand, but we believe Coues to be correct, as H. Allen (1866:288) stated he was reporting on specimens collected by Coues in 1864 and 1865 and the date the description was ordered published, 28 Aug 1866, was before the date collected given on the skin label, 1 Nov 1866.

Vespertilio melanorhinus Merriam

N. Am. Fauna 3: 46, 11 Sep 1890a.

= *Myotis melanorhinus* (Merriam, 1890). See Simmons (2005: 511).

Holotype: USNM 18684. In alcohol. [SL: Made into a skin and skull 7 Nov 1910]. Adult male. Collected 4 Aug 1889 by C. H. Merriam [SL: and V. Bailey]. Original number [FC: V. B.] 275.

Type Locality: Little Spring, north base of San Francisco Mountain, [Miller and Kellogg (1955:96): 8,250 ft (2,515 m)], [Coconino County], Arizona.

V[espertilio]. mundus H. Allen

Proc. Acad. Nat. Sci. Phila. 18: 280, ordered published 28 Aug 1866.

= *Myotis nigricans nigricans* (Schinz, 1821). See LaVal (1973a:7).

Holotype: USNM 5547, ANSP 1812. In alcohol. Young female. No collector, original number, or date collected given. [MC: Cataloged 6 Feb 1862].

Type Locality: Maracaibo, [Zulia], Venezuela.

Remarks: This specimen is currently ANSP 1812, collection of the Academy of Natural Sciences of Philadelphia (Academy of Natural Sciences of Drexel University) (Koopman, 1976:6), as verified by R. D. Fisher on 19 Jun 1996.

Vespertilio nitidus H. Allen

Proc. Acad. Nat. Sci. Phila. 14: 247, ordered published 29 Apr 1862.

= *Myotis californicus californicus* (Audubon and Bachman, 1842). See G. S. Miller (1912b:56).

Lectotype: USNM 1981 as designated by G. S. Miller (1897a:69). [Skin]. Age and sex not given. Collected by W. Hutton, date unknown. No original number. [MC: Cataloged 13 Dec 1856 and then later, 31 Oct 1861 as USNM 5437].

Type Locality: Monterey, [Monterey County], California.

Remarks: A type was not designated in the original description.

G. S. Miller (1897a:69), as first revisor, selected Monterey as the type locality and referred Allen's specimens from Fort Steilacoom to his new taxon, *Myotis californicus caurinus*. H. Allen (1862:247) had only one specimen from Monterey, USNM 1981. Although there currently is a skull in the collection that bears USNM 1981, it is in error. Number 1981 in the bone catalog is a *Putorius vison* from Carlisle, Pennsylvania and the skull in question is a *Parastrellus hesperus* (A. L. Gardner, pers. com. to R. D. Fisher). There is no reason to believe that a skull was ever cataloged for this specimen.

Vespertilio nitidus henshawii H. Allen

Bull. U.S. Natl. Mus. 43: 103, 14 Mar 1894.

= *Myotis melanorhinus* (Merriam, 1890). See Simmons (2005: 511).

Syntype: USNM 12450. [In alcohol]. Gravid female. Collected in 1872 [MC: Jul 1874] by H. W. Henshaw. Original number [MC: 1237].

Syntype: USNM 102426. [In alcohol, skull removed]. Gravid female. Collected in 1872 [MC: Jul 1874] by H. W. Henshaw. Original number [MC: 1237].

Type Locality: Near Fort Wingate, [McKinley County], New Mexico.

Remarks: Both specimens were originally cataloged as USNM 12450. Later, on 12 Jun 1900, one was recataloged as USNM 102426.

Vespertilio obscurus H. Allen

Proc. Acad. Nat. Sci. Phila. 18: 281, ordered published 28 Aug 1866.

= *Myotis yumanensis yumanensis* (H. Allen, 1864). See Goldman (1914c:102).

Holotype: USNM 8223/38357. In alcohol, [skull removed]. Young male. Collected on unknown date by J. Xantus. No original number. [MC: Skin cataloged between 10 Jul and 27 Oct 1865; skull 6 Feb 1909].

Type Locality: Lower (Baja) California, [Mexico].

Remarks: Published as USNM 8223, to which USNM 38357 belongs.

Vespertilio oregonensis H. Allen

Smithson. Misc. Collect. 7(1): 61, Jun 1864.

= *Myotis californicus californicus* (Audubon and Bachman, 1842). See G. S. Miller (1897a:69).

Syntype: USNM 5402, ANSP 1841. In alcohol. Male. Collected by J. Xantus, date unknown. Original number [MC: 3895]. Originally cataloged as USNM 4977 on 31 May 1861; recataloged as USNM 5402 on 31 Oct 1861].

Syntype: USNM 5405. In alcohol. [Lyon and Osgood (1909:273): Female]. Collected in [MC: 1855] by G. H. Thomas. No original number. [MC: Cataloged 31 Oct 1861].

Syntype: USNM 5537. In alcohol. Male. Collected by G. H. Thomas [MC: probably in 1855. Cataloged 6 Feb 1862]. No original number.

Syntype: USNM 5512/37335. Skin and skull. No data were originally associated with this specimen. It is labeled *Vespertilio oregonensis* Major LeConte. [MC: Skin originally cataloged as USNM 4740 on 13 Apr 1861. Recataloged as USNM 5512 on 1 Nov 1861. Skull cataloged on 2 Mar 1898].

Type Locality: The type locality comprises all of the localities published for the syntypes (ICZN, 1999: Article 73.2.3). They are USNM 5402: Cape Saint (Cabo San) Lucas, [Baja California Sur, Mexico]; USNM 5405 and 5537: Fort Yuma, Arizona, ([Imperial County], California); and USNM 5512/37335: no published locality [MC: United States].

Remarks: See G. S. Miller (1897a:33) for the application of *Vespertilio oregonensis* to these specimens. USNM 5402 is also the holotype of *Vespertilio exilis* H. Allen and is in the collection of the Academy of Natural Sciences of Philadelphia (Academy of Natural Sciences of Drexel University) as ANSP 1841 (Koopman, 1976:5), as verified by R. D. Fisher on 19 Jun 1996. USNM 5537 cannot be found. USNM 5512 was published under that number, to which skull 37335 belongs.

***Vespertilio ruber* E. Geoffroy**

Ann. Mus. Hist. Nat. Paris 8: 204, 1806.

= *Myotis ruber* (E. Geoffroy, 1806). See Thomas (1902:493).

Neotype: USNM 115097 as designated by LaVal (1973a:45). Skin and skull, mandible missing. Adult male. Collected 22 May 1901 by W. Foster. Original number [SL: 347].

Type Locality: Sapucay (Sapucay), elevation 300 m, [Paraguari], Paraguay.

***Vespertilio subulatus keenii* Merriam**

Am. Nat. 29: 860, 1 Sep 1895c.

= *Myotis keenii* (Merriam, 1895). See Miller and Allen (1928: 104).

Holotype: USNM 72922. [In alcohol, skull removed]. Adult female. Collected summer of 1894 by J. H. Keen. No original number.

Type Locality: Massett (Masset), Graham Island, Queen Charlotte Islands, B. C. (British Columbia), [Canada].

***Vespertilio tenuidorsalis* H. Allen**

Proc. Acad. Nat. Sci. Phila. 18: 283, ordered published 28 Aug 1866.

= *Myotis californicus californicus* (Audubon and Bachman, 1842). See G. S. Miller (1897a:69).

Holotype: USNM 5533, ANSP 1839. In alcohol. Female. Collected by J. Xantus. No other data provided.

Type Locality: Cape St. (Cabo San) Lucas, Lower California (Baja California Sur), [Mexico].

Remarks: The specimen number given by Allen must be incorrect as USNM 5533 is cataloged as a *V. nitidus* from Puget Sound collected by C. B. Kennerley. This specimen is cur-

rently in the collection of the Academy of Natural Sciences of Philadelphia (Academy of Natural Sciences of Drexel University), ANSP 1839, and bears the locality information given here under Type Locality (Koopman, 1976:5), as verified by R. D. Fisher on 19 Jun 1996.

***Vespertilio volans* H. Allen**

Proc. Acad. Nat. Sci. Phila. 18: 282, ordered published 28 Aug 1866.

= *Myotis volans volans* (H. Allen, 1866). See Goldman (1914c:102).

Holotype: USNM 5398/37326, ANSP 1834. In alcohol, [skull removed]. Age and sex not given. Collected on unknown date by J. Xantus. No original number. [MC: Skin cataloged 31 Oct 1861; skull 1 Mar 1898].

Type Locality: Cape (Cabo) San Lucas, Lower California (Baja California Sur), [Mexico].

Remarks: Published as USNM 5398 to which USNM 37326 belongs. The fluid specimen is in the collection of the Academy of Natural Sciences of Drexel University as ANSP 1834 (Koopman, 1976:5), as verified by R. D. Fisher on 19 Jun 1996.

***Vespertilio yumanensis* H. Allen**

Smithson. Misc. Collect. 7(1): 58, Jun 1864.

= *Myotis yumanensis yumanensis* (H. Allen, 1864). See G. S. Miller (1897a:66).

Syntype: USNM 5367. In alcohol. Female. Collected by G. H. Thomas in 1855. No additional data given.

Syntype: USNM 6019. In alcohol. Male. Collected by G. H. Thomas in 1855. No additional data given.

Syntype: USNM 6020. In alcohol. Female. Collected by G. H. Thomas in 1855. No additional data given.

Syntype: USNM 6021. In alcohol. Female. Collected by G. H. Thomas in 1855. No additional data given.

Type Locality: Fort Yuma, [Imperial County], California.

Remarks: None of these specimens can be found. Remarks in the Museum Catalog for USNM 5367 and 6021 state "not found 5 Mar 1902." For USNM 6020 the remark is "distributed to Royal Mus. Copenhagen, 6 Aug 1866." H. Allen (1866:285) stated that his type series of this taxon was not available to him for his 1866 work as they were mislaid during the fire at the Smithsonian Institution in Jan 1865 and have not since been found.

Genus *Neoromicia* Roberts, 1926

***Eptesicus ugandae* Hollister**

Smithson. Misc. Collect. 66(1): 3, 10 Feb 1916c.

= *Neoromicia somalicus ugandae* (Hollister, 1916). See Simmons (2005:495).

Holotype: USNM 166520. In alcohol, skull removed. Adult female. Collected 15 Feb 1910 by J. A. Loring. Original number 9022.

Type Locality: Ledgus, [Central Equatoria], Uganda (South Sudan).

Pipistrellus helios Heller

Smithson. Misc. Collect. 60(12): 3, 4 Nov 1912a.
= *Neoromicia helios* (Heller, 1912). See Simmons (2005:494).
Holotype: USNM 181813. [Skin and skull]. Adult male. Collected 22 Jul 1911 by E. Heller. Original number 3065.
Type Locality: Merelle Water, 30 mi (48 km) south of Mt. Marsabit, [Eastern Province], British East Africa (Kenya).

Pipistrellus minusculus G. S. Miller

Proc. Wash. Acad. Sci. 2: 647, 28 Dec 1900c.
= *Neoromicia nanus minusculus* (G. S. Miller, 1900). See Simmons (2005:494).
Holotype: USNM 84500. In alcohol, [skull removed]. Adult female. Collected May 1894 by O. F. Cook. No original number.
Type Locality: Mount Coffee, [Montserrado], Liberia.

Genus *Nycticeius* Rafinesque, 1819

Nyct[icea]. crepuscularis LeConte

In McMurtrie, *The Animal Kingdom* 1: 432, 1831.
= *Nycticeius humeralis* (Rafinesque, 1818). See G. S. Miller (1897a:118).
Syntypes: USNM 4735 and USNM 4736. [Skins with skulls inside]. Age and sex not given. Collected by [MC: Maj. LeConte]. No original number. [MC: Cataloged 13 Apr 1861].
Type Locality: None given. [MC: United States]. [LeConte (1855:433): inhabits Georgia].
Remarks: Following Lyon and Osgood (1909:159), these specimens have been regarded as syntypes more from tradition than anything else. There is nothing in the original description to show that they are syntypes. They were presented to the museum years ago by Major LeConte as typical, or perhaps as original, specimens. Each bears two old labels: a small paper tag and a standard Smithsonian Institution label. The word “Crepuscularis” is written on each of the paper tags in a handwriting that cannot be identified. The large label on USNM 4735 is so stained as to be illegible, but the one on USNM 4736 is in good condition. Its inscription reads “4736 Vespertilio crepuscularis U. States Maj. LeConte” and was written by Baird, according to Lyon and Osgood (1909:159).

Genus *Nyctophilus* Leach, 1821

Nyctophilus arnhemensis Johnson

Proc. Biol. Soc. Wash. 72: 184, 4 Nov 1959.
Holotype: USNM 284240, not 284249 as in original description. Skin and skull. Adult male. Collected 12 Aug 1948 by D. H. Johnson. Original number 5692.

Type Locality: Rocky Bay, south of Yirrkala, Cape Arnhem Peninsula, Northern Territory, Australia, lat. 12°16'S, long. 136°47'E.

Genus *Parastrellus* Hooper, Van Den Bussche, and Horacek, 2006

Pipistrellus hesperus australis G. S. Miller

N. Am. Fauna 13: 90, 16 Oct 1897a.
= *Parastrellus hesperus hesperus* (H. Allen, 1864). See Findley and Traut (1970:756) who placed *australis* in *hesperus* and Hooper et al. (2006:987) who placed *hesperus* in *Parastrellus*.
Holotype: USNM 52112. In alcohol. Adult female. Collected 14 May 1892 by E. W. Nelson. Original number 2614.
Type Locality: Barranca Ibarra, altitude about 3,000 ft (914 m), Jalisco, Mexico.

Pipistrellus hesperus maximus Hatfield

J. Mammal. 17: 261, 14 Aug 1936.
= *Parastrellus hesperus maximus* (Hatfield, 1936). See Hooper et al. (2006:988).
Holotype: USNM 21344/36997. Skin and skull. Adult female. Collected 6 Jun 1892 by E. A. Mearns and F. X. Holzner. Original number 1854.
Type Locality: Dog Spring, Grant (Hidalgo) County, New Mexico.

Pipistrellus hesperus oklahomae Glass and Morse

J. Mammal. 40: 531, 20 Nov 1959.
= *Parastrellus hesperus maximus* (Hatfield, 1936). See Findley and Traut (1970:761) who placed *oklahomae* in *maximus* and Hooper et al. (2006:988) who placed *hesperus* in *Parastrellus*.
Holotype: USNM 287970. Skin and skull. Adult female. Collected 2 Jun 1955 by B. P. Glass. Original number 1634.
Type Locality: Granite, north side of Granite Mountain, Greer County, Oklahoma.
Remarks: Published as Oklahoma State University Museum of Zoology number 2863. Cataloged as USNM 287970 on 26 Mar 1958.

Pipistrellus hesperus santarosae Hatfield

J. Mammal. 17: 261, 14 Aug 1936.
= *Parastrellus hesperus maximus* (Hatfield, 1936). See Findley and Traut (1970:761) who placed *santarosae* in *maximus* and Hooper et al. (2006:988) who placed *hesperus* in *Parastrellus*.
Holotype: USNM 118756. Skin and skull. Adult female. Collected 6 Oct 1902 by J. H. Gaut. Original number 568.
Type Locality: Santa Rosa, Guadalupe County, New Mexico.

Scotophilus hesperus H. Allen

Smithson. Misc. Collect. 7(1): 43, Jun 1864.

= *Parastrellus hesperus hesperus* (H. Allen, 1864). See Hooper et al. (2006:987).

Lectotype: USNM 5406/37406 as designated by G. S. Miller (1897a:88). In alcohol, [skull removed]. [Lyon and Osgood (1909:274): Adult] [MC: male]. Collected in [MC: 1855] by G. H. Thomas. No original number.

Type Locality: [Lyon and Osgood (1909:274): Old] Fort Yuma, [Imperial County], California.

Remarks: No type was designated by number in the original description, which mentioned three specimens by number. G. S. Miller (1897a:88) called USNM 5406/37406 the type = lectotype (ICZN, 1999: Article 74.5). It was published as USNM 5406; USNM 37406 is the skull that belongs with it.

Vesperugo merriami Dobson

Ann. Mag. Nat. Hist. ser 5, 18: 124, Aug 1886.

= *Parastrellus hesperus hesperus* (H. Allen, 1864). See True (1888:515) who placed *merriami* in *hesperus* and Hooper et al. (2006:987) who placed *hesperus* in *Parastrellus*.

Holotype: USNM 186445. [MCC: In alcohol. Adult male. Collected 3 Feb 1885 by L. Belding. Original number 11. Merriam collection number 1135].

Type Locality: [MCC: Red Bluff, Tehama County, California].

Remarks: Type not designated by number in the original description. Dobson (1886:125) stated that he had a single adult male, that True (1888:515) said was sent to him by C. H. Merriam. A perusal of the Merriam collection catalog reveals an entry, number 1135, of *Vespertilio* without a species name. At a later unknown date, *Vespertilio* was changed to *Vesperugo* and *merriami* Dobson was added. It is marked as the type and the data for the specimen matches that published for the type. It is without question the holotype by monotypy (ICZN, 1999: Article 73.1.2). Dobson (1886:125) erroneously gave the locality as Locust Grove, New York, the location of the Merriam collection at the time. This error was corrected by G. S. Miller (1897a:31). Cataloged as USNM 186445 on 13 Oct 1911.

Genus *Perimyotis* Menu, 1984

Pipistrellus subflavus obscurus G. S. Miller

N. Am. Fauna 13: 93, 16 Oct 1897a.

= *Perimyotis subflavus subflavus* (F. Cuvier, 1832). See Davis (1959:522) who placed *obscurus* in *subflavus* and Menu (1984:415) who placed *subflavus* in *Perimyotis*. See Hooper et al. (2006:991) for current use of *Perimyotis*.

Holotype: USNM 67723. Skin [and skull]. Adult female. Collected 6 Sep 1894 by W. K. Fisher. Original number 198.

Type Locality: Lake George, Warren County, New York.

Genus *Phoniscus* Miller, 1905

Phoniscus atrox G. S. Miller

Proc. Biol. Soc. Wash. 18: 230, 9 Dec 1905b.

Holotype: USNM 123141. In alcohol, [skull removed]. Adult female. Collected 9 Sep 1903 by W. L. Abbott. Original number 2781.

Type Locality: Vicinity of Kateman River (Sungai Kateman), [Riau], eastern Sumatra, [Indonesia].

Phoniscus rapax G. S. Miller

J. Mammal. 12: 412, 11 Nov 1931a.

= *Phoniscus jagorii* (Peters, 1866). See Hill (1966:550) who recognized *rapax* as a subspecies of *jagorii*.

Holotype: USNM 199834. In alcohol, [skull removed]. Adult male. Collected 25 Aug 1914 by H. C. Raven. Original number 1670.

Type Locality: [Sungai] Paleleh, about latitude (longitude) 122°, [Sulawesi Tengah], north coast of northeastern Celebes (Sulawesi), [Indonesia].

Genus *Pipistrellus* Kaup, 1829

Pipistrellus aereo Heller

Smithson. Misc. Collect. 60(12): 3, 4 Nov 1912a.

Holotype: USNM 181812. [Skin and skull]. Adult male. Collected 26 Aug 1911 by E. Heller. Original number 4110.

Type Locality: Summit of Mount Garguez (Warges), altitude 7,000 ft (2,134 m), [SL: 7,100 ft (2,164 m)], Mathews Range, [Rift Valley], British East Africa (Kenya).

Pipistrellus camortae G. S. Miller

Proc. U.S. Natl. Mus. 24: 779, 29 May 1902a.

= *Pipistrellus javanicus camortae* G. S. Miller, 1902. See Corbet and Hill (1992:136) who considered *camortae* a synonym of *javanicus*.

Holotype: USNM 111897. In alcohol, [skull removed]. Adult male. Collected 12 Feb 1902 by W. L. Abbott. No original number.

Type Locality: Kamorta (Camorta) [Island], Nicobar Islands, [Andaman and Nicobar Islands, India].

Pipistrellus subulidens G. S. Miller

Proc. Wash. Acad. Sci. 3: 134, 26 Mar 1901a.

= *Pipistrellus tenuis subulidens* G. S. Miller, 1901. See Koopman (1973:115) who considered *subulidens* a synonym of *tenuis*.

Holotype: USNM 104758. In alcohol, [skull removed]. Adult female. Collected 3 Jun 1900 by [MC: W. L. Abbott]. No original number.

Type Locality: Sirhassen Island (Pulau Serasan), South Natunas (Kepulauan Natuna Selatan), [Kepulauan Riau, Indonesia].

Genus *Rhogeessa* H. Allen, 1866

Rhogeessa gracilis G. S. Miller

N. Am. Fauna 13: 126, 16 Oct 1897a.

Holotype: USNM 70694. In alcohol. Adult male. Collected 24 Nov 1894 by E. W. Nelson and E. A. Goldman. Original number 7099.

Type Locality: Piaxtla, [FC: altitude 3,900 ft (1,189 m)], Puebla, [Mexico].

Rhogeessa minutilla G. S. Miller

Proc. Biol. Soc. Wash. 11: 139, 13 May 1897b.

Holotype: USNM 63216. [Skin and skull]. Adult male. Collected 8 Jul 1895 by W. Robinson. Original number 463.

Type Locality: Margarita Island (Isla de Margarita), [Nueva Esparta], Venezuela.

Rhogeessa parvula H. Allen

Proc. Acad. Nat. Sci. Phila. 18: 285, ordered published 28 Aug 1866.

Holotype: USNM 7841, ANSP 1832. In alcohol, [skull removed]. [Lyon and Osgood (1909:292): Adult] male. Collector and date collected unknown. [MC: Received from A. J. Grayson. Cataloged between Feb and May 1865].

Type Locality: Tres Marias [Islands, Nayarit], Mexico.

Remarks: This specimen is currently in the collection of the Academy of Natural Sciences of Philadelphia (Academy of Natural Sciences of Drexel University) as ANSP 1832 (Koopman, 1976:6), as verified by R. D. Fisher on 19 Jun 1996.

Rhogeessa tumida H. Allen

Proc. Acad. Nat. Sci. Phila. 18: 286, ordered published 28 Aug 1866.

Holotype: USNM 84021, ANSP 1831. In alcohol, [skull removed]. [Lyon and Osgood (1909:276). Adult] male.

Collected by Dr. Sartorius, date unknown. [MC: Cataloged 1 Mar 1898].

Type Locality: Mirador, [Veracruz], Mexico.

Remarks: Notes with the skull made by G. S. Miller, Jr. indicate that the skull was returned to the museum by H. Allen bearing the original published number, USNM 8195, which was determined to be in error and was recataloged USNM 84021 on 1 Mar 1898. LaVal (1973b:29) determined that the cranium currently numbered USNM 37329 and the mandible that matches, USNM 84021, comprise the holotype. They had apparently been mismatched. See also Hall (1952:231) for additional discussion. The skin to this specimen is currently in the collection of the Academy of Natural Sciences of Philadelphia (Academy of Natural Sciences of Drexel University) as ANSP 1831 (Koopman, 1976:6), as verified by R. D. Fisher on 19 Jun 1996.

Genus *Scotophilus* Leach, 1821

Scotophilus mucella Robbins

Ann. Mus. R. Afr. Cent., Sci. Zool. 237: 19, 1984.

Holotype: USNM 412141. Skin and skull. Adult male. Collected 5 Aug 1967 by B. J. Hayward. Original number 4256.

Type Locality: 1 mi (1.6 km) N Nkawkaw, [SL: 6°33'N, 0°44'W], Eastern Region, Ghana.

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Index of Taxa

abbotti

- Galeopterus*, 12
- Hylobates*, 21
- Lepus*, 25
- Myotis*, 73

abditata

- Thyroptera*, 66

abyssinicus

- Colobus*, 16

Acerodon

- celebensis*, 51

Acratocnus

- comes*, 8

acuminatus

- Rhinolophus*, 54

adusta

- Macaca*, 16
- Monodelphis*, 6

adversus

- Myotis*, 73, 74

aegyptius

- Lepus*, 25

aeueus

- Scalops*, 50

aequatoria

- Pachyura*, 49

aequatorius

- Sylvisorex*, 49

aereus

- Scalopus*, 50

aero

- Pipistrellus*, 81

affinis

- Rhinolophus*, 54
- Vespertilio*, 76

africana

- Loxodonta*, 7

africanus

- Elephas*, 7

agadiri

- Crocidura*, 33

agilis

- Vespertilio*, 76

agnatus

- Pithecius*, 17

Ailurops

- furvus*, 7

- ursinus*, 7

alascensis

- Myotis*, 75

Sorex, 41, 43, 45

alaskanus

- Sorex*, 45

alba

- Ectophylla*, 60

albibarbis

- Hylobates*, 21
- Neosorex*, 41
- Sorex*, 41, 46

albifrons

- Cebus*, 14

albipes

- Heterohyrax*, 7

albiventer

- Sorex*, 42

albiventris

- Atelerix*, 32

- Marmosa*, 5

albugularis

- Cercopithecus*, 15

- Lasiopyga*, 15

alchemillae

- Crocidura*, 33

aldabrensis

- Pteropus*, 52

alecto

- Emballonura*, 56

- Pteropus*, 52

aleksandrissi

- Crocidura*, 33

alethina

- Rhinophylla*, 64

- alleni*
Lepus, 23
allex
Crocidura, 33
alnorum
Sorex, 41
Alouatta
inconsonans, 14
mexicana, 14
palliata, 14
alpina
Crocidura, 33
Ochotona, 22
alpinus
Scapanus, 51
Sorex, 41
altae
Crocidura, 34
altamirae
Lepus, 26
alticola
Blarina, 37
Cryptotis, 37
Sorex, 41
altifrons
Myotis, 73
amazonicus
Eumops, 67
americanus
Lepus, 24, 25, 26, 27
ammophilus
Sylvilagus, 31
amoenus
Sorex, 41
amotus
Myotis, 75
amplus
Artibeus, 57
anambae
Tupaia, 9
anambensis
Emballonura, 56
andamanensis
Crocidura, 33
angeli
Sturnira, 64
angulatus
Cynopterus, 51
angusticeps
Blarina, 32
angustidens
Lepus, 24
annectens
Ardops, 57
Ochotona, 22
Anoura
cultrata, 57
latidens, 57
Antechinus
bilarni, 6
antillularum
Nyctinomus, 69
Tadarida, 69
Antrozous
cantwelli, 70
minor, 70
obscurus, 70
pacificus, 70
pallidus, 70
anubis
Papio, 19
aoris
Galeopithecus, 11
AOTIDAE, 14
Aotus
zonalis, 14
apaella
Sapajus, 14
aphylla
Phyllonycteris, 63
Reithronycteris, 63
apoensis
Cynomolgus, 16
aquaticus
Scalopus, 50
Sylvilagus, 30
aquilus
Platyrrhinus, 63
Vampyrops, 63
araneus
Sorex, 41, 42
arathomasi
Sturnira, 64
arboreus
Dendrohyrax, 7
arcticus
Lepus, 24, 25
Sorex, 42, 45, 46, 47
Ardops
annectens, 57
luciae, 57
nicholli, 57
arenaria
Lasiopyga, 15
arenarius
Miniopterus, 73
argentata
Ochotona, 22
argenteus
Presbytis, 20
arizonae
Lepus, 27, 29
Sylvilagus, 27, 28, 29
arnhemensis
Nyctophilus, 80
arquatus
Pteropus, 51
Artibeus
amplus, 57
aztecus, 59
gnomus, 59
hirsutus, 58
incomitatus, 59
intermedius, 58
jamaicensis, 58
koopmani, 58
lituratus, 58
praeceps, 58
triomylus, 58
arwasca
Presbytis, 19
ascanius
Cercopithecus, 15
Lasiopyga, 15
asellus
Lepus, 24
Atalapha
semota, 72
teliotis, 72
Atelerix
albiventris, 32
Ateles
dariensis, 14
fuscipes, 14
geoffroyi, 15
ornatus, 15
panamensis, 15
rufiventris, 14
tricolor, 15
vellerosus, 15
yucatanensis, 15
ATELIDAE, 14
ater
Hipposideros, 55
aterrimus
Pteropus, 52
Atophyrax
bendirii, 40
atriceps
Macaca, 17
atrox
Phoniscus, 81
attenuata
Crocidura, 34
audubonii
Lepus, 28
Sylvilagus, 27, 28, 29, 30
aurarius
Platyrrhinus, 63
Vampyrops, 63
auratus
Semnopithecus, 21
aurea
Macaca, 19
aurigineus
Lepus, 24
aurispinosus
Dysopes, 68
Nyctinomops, 68
australis
Corynorhinus, 70
Pipistrellus, 80
Presbytis, 19
austroriparius
Myotis, 73, 74
azteca
Dermanura, 59
aztecus
Artibeus, 59
Sylvilagus, 28
babi
Cynopterus, 51
bachmani
Lepus, 28
Sylvilagus, 28, 30
badistes
Sylvilagus, 31
bahamensis
Eptesicus, 71
Vespertilio, 71
baileyi
Lepus, 28
Myotis, 74
Sylvilagus, 28, 30
bairdi
Sorex, 42, 45
bairdii
Lepus, 24
balutus
Pteropus, 52
bancanus
Cephalopachus, 13
Nycticebus, 12
bangsui
Lepus, 25
barbensis
Hipposideros, 55
batamana
Tupaia, 10
batuanus
Presbytes, 19
baveanus
Pteropus, 52
baveanus
Pithecus, 17
beatus
Crocidura, 33
belangeri
Tupaia, 10
bendirii
Atophyrax, 40
Sorex, 40, 42
bergensis
Sorex, 42
berlandieri
Blarina, 37
Cryptotis, 37, 39
besara
Tana, 9
Tupaia, 9
bicolor
Hipposideros, 55
bilarni
Antechinus, 6
Pseudantechinus, 6
bishopi
Marmosa, 5
Marmosops, 5
Blarina
alticola, 37
angusticeps, 32
berlandieri, 37
brevicauda, 32
carolinensis, 32, 33
exilipes, 37
eximius, 37
floridana, 37

- fossor*, 37
goldmani, 38
knoxjonesi, 32
machetes, 38
magna, 38
mayensis, 38
mexicana, 38
nelsoni, 38
obscura, 38
peninsulae, 32
peregrina, 38
shermani, 32
soricina, 38
talpoides, 32
telmalestes, 32
blitchi
Sorex, 42
blossevillii
Lasiurus, 72
bogotensis
Sturnira, 64
bolivari
Crocidura, 33
bombifrons
Erophylla, 60
Kerivoula, 72
Phyllonycteris, 60
borealis
Lasiurus, 72
borneanus
Cephalopachus, 13
Galeopterus, 12
Nycticebus, 12
Tarsius, 13
borneensis
Rhinolophus, 55
botswanae
Laephotis, 72
brachycephalus
Nycticebus, 12
Platyrrhinus, 63, 64
Brachylagus
idahoensis, 23
Brachyphylla
cavernarum, 58
minor, 58
nana, 58
pumila, 58
brachyurus
Lepus, 24
 BRADYPODIDAE, 8
Bradypus
ephippiger, 8
ignavus, 8
pygmaeus, 8
variegatus, 8
brasiliense
Lophostoma, 61
brasiliensis
Lepus, 28
Sylvilagus, 30
Tadarida, 69, 70
brevicauda
Blarina, 32
brevimanus
Natalus, 66
broca
Macaca, 16
brooksi
Ochotona, 22
brucei
Heterohyrax, 7
brunnescens
Ochotona, 22
bunoae
Tupaia, 9
Cabassous
centralis, 8
cadenai
Lonchophylla, 61
caecutiens
Sorex, 44
 CAENOLESTIDAE, 6
cagayanus
Cynomolgus, 16
Pteropus, 52
californica
Didelphis, 4
californicus
Eumops, 67
Lepus, 24, 25, 26, 27
Macrotus, 61
Molossus, 67
Myotis, 74, 76, 77, 78, 79
Sorex, 42
callida
Lasiopyga, 15
callotis
Lepus, 25
Caluromys
centralis, 3
derbianus, 3
camortae
Pipistrellus, 81
campestris
Glossophaga, 60
Lepus, 25
cana
Presbytis, 19, 20
canescens
Tlacuatzin, 6
caniclinis
Lepus, 28
canicus
Presbytis, 20
cansus
Ochotona, 22
cantwelli
Antrozous, 70
canus
Lepus, 24
capensis
Lepus, 25
capitalis
Pithecus, 18
capitaneus
Myotis, 74
capito
Taphonycteris, 57
capucinus
Cebus, 14
carbo
Trachypithecus, 20
carimatae
Megaderma, 56
Myotis, 74
Pithecus, 18
Presbytis, 20
Tupaia, 9
Carlito
fraterculus, 13
syrichta, 13
carolinensis
Blarina, 32, 33
Sorex, 33
Carollia
castanea, 58
perspicillata, 58
subrufa, 58
caryi
Scalopus, 50
casadensis
Sorex, 46
castanea
Carollia, 58
Tupaia, 9
castaneus
Lasiurus, 73
catemana
Presbytis, 20
caucae
Didelphis, 4
Marmosa, 5
caudata
Crocidura, 33
caudatus
Sorex, 46
caurinus
Myotis, 74, 78
cavaticus
Taphozous, 57
cavernarum
Brachyphylla, 58
 CEBIDAE, 14
Cebus
albifrons, 14
capucinus, 14
cesarae, 14
limitaneus, 14
margaritae, 14
pleei, 14
cedrophilus
Sylvilagus, 30
celebensis
Acerodon, 51
Harpyionycteris, 52
Megaderma, 56
centralis
Cabassous, 8
Caluromys, 3
Cercopithecus, 15
Myrmecophaga, 8
Philander, 3
Tatoua, 8
Centurio
greenhalli, 59
mcmurtrii, 58
senex, 59
Cephalopachus
bancanus, 13
borneanus, 13
saltator, 13
 CERCOPITHECIDAE, 15
Cercopithecus
albogularis, 15
ascanius, 15
centralis, 15
kibonotensis, 15
luteus, 15
mitis, 15
schmidti, 15
stuhlmanni, 15
cervicalis
Tana, 9
Tupaia, 9
cesarae
Cebus, 14
Chacodelphus
formosa, 3
Chaerephon
jobensis, 67
luzonus, 67
naivashae, 67
plicatus, 67
pumilus, 67
pusillus, 67
chaouiensis
Crocidura, 33
chapmani
Sylvilagus, 28, 30
Cheiromeles
parvidens, 67
chiapensis
Lepus, 28
Sorex, 49
Chilonatalus
macer, 66
micropus, 66
tumidifrons, 66
Chilonycteris
gonavensis, 65
mexicana, 65
parnellii, 65
portoricensis, 65
Chilophylla
hirsuta, 55
Chiroderma
gorgasi, 59
isthmicum, 59
jesupi, 59
salvini, 59
scopaeum, 59
trinitatum, 59
villosum, 59
Chironectes
minimus, 3
panamensis, 3

CHIROPTERA, 51

- Chlorocebus*
hilgeri, 15
pygerythrus, 15
Choeroniscus
periosus, 59
chombolis
Galeopterus, 12
chrysogaster
Tupaia, 9
chrysomalla
Tupaia, 9
chrysomelas
Presbytis, 19
ciliolabrum
Myotis, 77
Vespertilio, 77
cinereus
Hylobates, 21
Lasiurus, 72
Sorex, 40, 43, 46
CINGULATA, 8
cinnamomeus
Lepus, 25
Pipistrellus, 76
circe
Rhinolophus, 54
cirrhosus
Trachops, 64
clinedaphus
Monophyllus, 62, 63
clivus
Rhinolophus, 54
cobourgiana
Tadarida, 68
cobourgianus
Mormopterus, 68
cocos
Galago, 13
coelophyllus
Rhinolophus, 54
Coelops
frithii, 55
hirsutus, 55
inflata, 55
inflatus, 55
robinsoni, 55
coffini
Trachops, 64
cognatus
Sylvilagus, 30
collaris
Lagomys, 21
Ochotona, 21
Colobus
abyssinicus, 16
guereza, 16
matschiei, 16
occidentalis, 16
percivali, 16
roosevelti, 16
terrestris, 16
colombianus
Metachirus, 5
comes
Acratocnus, 8
compressus
Macrotus, 62
concava
Lonchophylla, 61
concolor
Simias, 20
Condylura
cristata, 49
nigra, 49
parva, 49
connectens
Lepus, 28
Sylvilagus, 28
constanzae
Tadarida, 69
contigua
Lasiopyga, 15
continentis
Myotis, 73
convexum
Uroderma, 65
coronatus
Sorex, 42
corvus
Presbytis, 20
Corymorhinus
australis, 70
ingens, 70
macrotis, 70
megalotis, 70
mexicanus, 70
pallescens, 70
townsendii, 70, 71
virginianus, 71
coucang
Nycticebus, 12, 13
coxi
Pteropus, 52
cozumelae
Didelphis, 4
Mimon, 62
cracens
Marmosa, 5
Marmosops, 5
crawfordi
Notiosorex, 40
Sorex, 40
crenulatum
Mimon, 62
crepuscularis
Nycticea, 80
crepusculus
Trachypithecus, 20
cristata
Condylura, 49
Presbytis, 20
cristatus
Trachypithecus, 21
cristobalensis
Sorex, 47
Crocidura
agadiri, 33
alchemillae, 33
aleksandrisi, 33
allex, 33
alpina, 33
altae, 34
andamanensis, 33
attenuata, 34
beatus, 33
bolivari, 33
caudata, 33
chaouiensis, 33
daphnia, 33
elongata, 33
essaouiranensis, 34
fumosa, 33
gmelini, 35
gouluminensis, 34
grandis, 34
grayi, 34
grisea, 34
grisescens, 34
halconus, 34
heljanensis, 34
hildegardeae, 34, 35
horsfieldi, 34
hosletti, 36
kurodai, 34
lakiundae, 37
lea, 34
lepidura, 34
levicula, 34
lignicolor, 35
lipara, 35
littoralis, 35
longipes, 35
lutrella, 35
lutreola, 35
maanjae, 35
mesatanensis, 35
mimula, 35
mindorus, 35
muricauda, 37
mutesae, 35
nicobarica, 35
nigripes, 35
nigrofusca, 36, 37
nilotica, 36
nisa, 36
nyansae, 33
olivieri, 33, 36
parvipes, 35, 36
pergrisea, 36
planiceps, 36
procera, 34
pullata, 36
quelpartis, 36
raineyi, 36
rapax, 34
rhoditis, 36
roosevelti, 37
russula, 33, 34, 36
safii, 34
shantungensis, 36
sicula, 33, 36
simiolus, 36
suahelae, 36
sururuae, 36
tamrinensis, 33
tarfayaensis, 33, 34, 36
tiznitensis, 36
turba, 37
viaria, 33, 36
whitakeri, 34, 35, 37
yebalensis, 33, 34
zaianensis, 37
zaphiri, 36
cruciger
Presbytis, 19
Cryptotis
alticola, 37
berlandieri, 37, 39
floridanus, 37
frontalis, 38
goldmani, 38, 39
goodwini, 38
gracilis, 39
griseoventris, 39
guerrerenensis, 39
jacksoni, 39
lacertosus, 39
macer, 39
machetes, 38
magnus, 38
mam, 39
mayensis, 38
merriami, 39
merus, 39
mexicanus, 38
nayaritensis, 39
nelsoni, 38
nigrescens, 39, 40
obscurus, 38
oreoryctes, 39
parvus, 37, 38, 39, 40
peregrinus, 38
pergracilis, 39
pueblensis, 39
soricinus, 38
tamensis, 39
zeteki, 40
cubanus
Monophyllus, 62
cultrata
Anoura, 57
cunicularius
Sylvilagus, 30
cupidus
Pithecus, 18
curasooe
Leptonycteris, 61
curtatus
Pipistrellus, 71
cuyonis
Tupaia, 9
CYCLOPEDIDAE, 8
Cyclopes
didactylus, 8
mexicanus, 8

- cylindrura*
Urogale, 11
cynocephala
Nycticea, 69
Tadarida, 69
 CYNOCEPHALIDAE, 11
Cynomolgus
apoensis, 16
cagayanus, 16
mindanensis, 16
suluensis, 16
Cynopithecus
lembicus, 16
Cynopterus
angulatus, 51
babi, 51
harpax, 52
horsfieldii, 52
lyoni, 52
major, 51
minutus, 51
pagensis, 51, 52
princeps, 52
serasani, 52
sphinx, 51, 52
titthaecheilus, 51
dalli
Lepus, 24, 26
daphnia
Crocidura, 33
dariensis
Ateles, 14
 DASYPODIDAE, 8
Dasypterus
floridanus, 72
Dasypus
mexicanus, 8
novemcinctus, 8
 DASYURIDAE, 6
 DASYUROMORPHIA, 6
daubentonii
Myotis, 76
debilis
Molossus, 68
degelidus
Lasiurus, 73
degener
Lichonycteris, 61
deignani
Myotis, 74
demararae
Marmosa, 4
Micoureus, 4
Dendrohyrax
arboreus, 7
validus, 7
dentaneus
Metachirus, 5
dentatus
Tarsius, 13
depressa
Kerivoula, 72
derbianus
Caluromys, 3
Dermanura
azteca, 59
gnoma, 59
phaeotis, 59
rava, 59
tolteca, 60
watsoni, 59
 DERMOPTERA, 11
deserticola
Lepus, 27
destructioni
Sorex, 48
diazi
Romerolagus, 27
didactylus
Cyclopes, 8
 DIDELPHIDAE, 3
 DIDELPHIMORPHIA, 3
Didelphis
californica, 4
cauca, 4
cozumelae, 4
marsupialis, 4
richmondi, 4
tabascensis, 4
texensis, 4
virginiana, 4
yucatanensis, 4
dilatatus
Scapanus, 51
dimidiata
Peromyscus, 6
diminutus
Myotis, 74
 DIPROTODONTIA, 7
discifera
Thyroptera, 66
discolor
Tupaia, 10
dispar
Sorex, 42
dobsoni
Sorex, 42
dominicensis
Myotis, 74
Natalus, 66
dundasi
Elephantulus, 7
durangae
Sorex, 42
Dymecodon
pilrostris, 49
Dysopes
aurispinosus, 68
ebenus
Semnopithecus, 21
Trachypithecus, 21
Echinosorex
gymnura, 32
Ectophylla
alba, 60
edarata
Tupaia, 10
elassodon
Sorex, 44
elegantulus
Midas, 14
 ELEPHANTIDAE, 7
Elephantulus
dundasi, 7
marikanae, 7
phaeus, 7
rufescens, 7
Elephas
africanus, 7
rothschildi, 7
elisabethae
Vampyressa, 65
elongata
Crocidura, 33
Glossophaga, 60
emarginatus
Sorex, 42
Emballonura
alecto, 56
anambensis, 56
monticola, 56
peninsularis, 56
pusilla, 56
semicaudata, 57
sulcata, 57
 EMBALLONURIDAE, 56
engana
Kerivoula, 72
enganus
Pteropus, 52
Eonycteris
robusta, 52
ephippiger
Bradyptes, 8
Eptesicus
bahamensis, 71
fuscus, 71
hispaniolae, 71
lynni, 71
miradorensis, 71
pallens, 71
pallidus, 71
serotinus, 71
ugandae, 79
wetmorei, 71
 ERINACEIDAE, 32
 ERINACEOMORPHA, 32
Erinaceus
sotikae, 32
Erophylla
bombifrons, 60
mariguanensis, 60
planifrons, 60
sezekorni, 60
Erythrocebus
patas, 16
whitei, 16
erythrotis
Ochotona, 22
esau
Macaca, 19
espiritasantensis
Natalus, 67
essaouranensis
Crocidura, 34
Eumops
amazonicus, 67
californicus, 67
glauцинus, 68
hansae, 67
perotis, 67
euronotus
Sorex, 42
europaeus
Lepus, 25, 26
europs
Nyctinomops, 69
Nyctinomus, 69
Euroscaptor
grandis, 50
parvidens, 50
everetti
Tupaia, 11
evotis
Myotis, 75, 77
Notiosorex, 40
Sorex, 40
Vespertilio, 77
exiguus
Vespertilio, 77
exiguus
Sylvilagus, 30
exilipes
Blarina, 37
exilis
Vespertilio, 77, 79
eximius
Blarina, 37
Sorex, 43
extremus
Myotis, 75
fascicularis
Macaca, 16, 17, 18, 19
faunulus
Pteropus, 53
femoralis
Presbytis, 19, 20
femorosaccus
Nyctinomops, 69
Nyctinomus, 69
fenisex
Ochotona, 22
ferreus
Monophyllus, 62
ferruginea
Tupaia, 10, 11
festinus
Lepus, 25
filchneri
Lepus, 26
fimbriatus
Myotis, 75
fimbripes
Sorex, 43

- findleyi*
Myotis, 74
fisheri
Sorex, 43
flavicauda
Pygathrix, 21
flavicaudus
Trachypithecus, 21
flavus
Myotis, 74
floridana
Blarina, 37
floridanus
Cryptotis, 37
Dasypterus, 72
Lasiurus, 72
Lepus, 28, 29
Sylvilagus, 28, 29, 31
fodiens
Neomys, 40
fontinalis
Sorex, 43
formosa
Chacodelphys, 3
Marmosa, 3
formosus
Myotis, 74
fornicata
Lonchophylla, 61
fortidens
Myotis, 76
fortis
Molossus, 68
fossor
Blarina, 37
fraterculus
Carlito, 13
Tarsius, 13
frithii
Coelops, 55
frons
Lavia, 56
frontalis
Cryptotis, 38
fumeus
Sorex, 43
fumosa
Crociodura, 33
Ochotona, 22
fumosus
Vampyrops, 63
furvus
Ailurops, 7
Phalanger, 7
fusca
Macaca, 17
Murina, 73
fuscior
Tupaia, 11
fuscipes
Ateles, 14
Ochotona, 23
fusciventris
Platyrrhinus, 63
fuscogriseus
Metachirus, 6
Philander, 6
fuscus
Eptesicus, 71
Macacus, 17
Murina, 73
Pithecus, 18
Tarsius, 13
Vespertilio, 71
gabbi
Lepus, 28
Sylvilagus, 28, 30, 31
gaillardii
Lepus, 25
 GALAGIDAE, 13
Galago
cocos, 13
moholi, 13
senegalensis, 13
sotikae, 13
Galeopithecus
aoris, 11
gracilis, 12
natunae, 12
pumilus, 12
saturatus, 12
tuancus, 12
Galeopterus
abbotti, 12
borneanus, 12
chombolis, 12
lautensis, 12
variegatus, 11, 12
galeritus
Hipposideros, 55
geminorum
Pteropus, 53
gemmeus
Sylvisorex, 49
gentilis
Hipposideros, 55
geoffroyi
Ateles, 15
germaini
Trachypithecus, 20
gibbsi
Neurotrichus, 50
gibbsii
Neurotrichus, 50
Urotrichus, 50
gigas
Megasorex, 40
Notiosorex, 40
gilberti
Hipposideros, 55
glacialis
Sorex, 43
glaucinus
Eumops, 68
glis
Tupaia, 9, 10, 11
Glossophaga
campestris, 60
elongata, 60
longirostris, 60
microtis, 60
mutica, 60
rostrata, 60
soricina, 60, 61
truei, 61
villosa, 61
gmelini
Crociodura, 35
gnoma
Dermanura, 59
gnomus
Artibeus, 59
godmani
Sorex, 43
goldmani
Blarina, 38
Cryptotis, 38, 39
Lepus, 27
Ochotona, 23
Sylvilagus, 27
gonavensis
Chilonycteris, 65
Pteronotus, 65
goodwini
Cryptotis, 38
gorgasi
Chiroderma, 59
gouliminensis
Crociodura, 34
Gracilinanus
marica, 4
perijae, 4
gracilis
Cryptotis, 39
Galeopithecus, 12
Rhogeessa, 81
Tupaia, 10
grahami
Lepus, 25
grandis
Crociodura, 34
Euroscaptor, 50
grayi
Crociodura, 34
graysoni
Lepus, 29
Sylvilagus, 29, 31
greenhalli
Centurio, 59
grisea
Crociodura, 34
griseoventris
Cryptotis, 39
grisescens
Crociodura, 34
Myotis, 74
griseus
Lepus, 26
groenlandicus
Lepus, 24
gryphus
Vespertilio, 77
guereza
Colobus, 16
guerrensis
Cryptotis, 39
gymnura
Echinosorex, 32
Gymnura, 32
Gymnura
gymnura, 32
minor, 32
halconus
Crociodura, 34
handleyi
Myotis, 74
hansae
Eumops, 67
hardwickii
Kerivoula, 72
harpax
Cynopterus, 52
Harpyionycteris
celebensis, 52
harrisoni
Rhinopoma, 56
hasseltii
Myotis, 73
haydeni
Sorex, 43
heberfolium
Macrotus, 62
hefneri
Sylvilagus, 31
helios
Neoromicia, 80
Pipistrellus, 80
Heliosorex
roosevelti, 37
heljanensis
Crociodura, 34
Hemiderma
subrufum, 58
tricolor, 58
henshawii
Vespertilio, 78
hercynicus
Sorex, 41
hesperus
Parastrellus, 80, 81
Pipistrellus, 80
Scotophilus, 80
Heterohyrax
albipes, 7
brucei, 7
hildegardeae
Crociodura, 34, 35
hilgerti
Chlorocebus, 15
 HIPPOSIDERIDAE, 55
Hipposideros
ater, 55
barbensis, 55
bicolor, 55
galeritus, 55
gentilis, 55

- gilberti*, 55
insolens, 55
larvatus, 55
nicobarulae, 55
pelingensis, 55
saevus, 55
toala, 55
hirsuta
Chilophylla, 55
hirsutus
Artibeus, 58
Coelops, 55
Myotis, 75
Rhinolophus, 54
hispaniolae
Eptesicus, 71
Histiotus
humboldti, 71
hitchensi
Sylvilagus, 31
hollisteri
Sorex, 46
holzneri
Lepus, 29
Sylvilagus, 29
hondurensis
Sylvilagus, 31
horsfieldi
Crociodura, 34
horsfieldii
Cynopterus, 52
Myotis, 74
hosei
Presbytis, 20
hosletti
Crociodura, 36
howelli
Scalopus, 50
hoysi
Microsorex, 40, 41
Sorex, 40, 41, 43, 48
hubbardi
Lepus, 24
humboldtensis
Sorex, 48
humboldti
Histiotus, 71
humeralis
Nycticeius, 80
huttoni
Murina, 73
hydrobadistes
Sorex, 46
Hylobates
abbotti, 21
albibarbis, 21
cinereus, 21
klossii, 21
muelleri, 21
mulleri, 21
HYLOBATIDAE, 21
hypomelanus
Pteropus, 52, 53
hypomicrus
Nesophontes, 32
Hypsugo
macrotis, 71
HYRACOIDEA, 7
idaboensis
Brachylagus, 23
Lepus, 23
Sorex, 43
ignavus
Bradypus, 8
impavidus
Marmosops, 5
impudens
Pithecus, 18
inca
Lestoros, 6
Orolestes, 6
incana
Ochotona, 23
incomitatus
Artibeus, 59
inconsonans
Alouatta, 14
indochinensis
Macaca, 17
inflata
Coelops, 55
Tupaia, 10
inflatus
Coelops, 55
Scalopus, 50
infuscus
Platyrrhinus, 63
ingens
Corynorhinus, 70
inops
Rhinolophus, 54
insolens
Hipposideros, 55
insonus
Lepus, 29
Sylvilagus, 29
insulana
Macaca, 17
insularis
Marmosa, 6
Pteropus, 53
interior
Myotis, 75
intermedia
Mormoops, 65
Tadarida, 69, 70
intermedius
Artibeus, 58
Lasiurus, 72, 73
intervectus
Microsorex, 40
invicta
Marmosa, 5
invictus
Marmosops, 5
irus
Macaca, 17
isolatus
Sorex, 45
isthmica
Marmosa, 4
isthmicum
Chiroderma, 59
itatiayae
Peromyscus, 6
jacksoni
Cryptotis, 39
jagorii
Phoniscus, 81
jamaicensis
Artibeus, 58
Macrotus, 62
javanicus
Pipistrellus, 81
jesupi
Chiroderma, 59
jewetti
Ochotona, 23
jobensis
Chaerephon, 67
Nyctinomus, 67
juncensis
Sorex, 42
kaimosae
Lasiopyga, 15
kakumegae
Lepus, 25
kalkoae
Lophostoma, 61
keenani
Mimon, 62
keenii
Myotis, 79
Vespertilio, 79
keniensis
Rhinolophus, 54
Kerivoula
bombifrons, 72
depressa, 72
engana, 72
hardwickii, 72
minuta, 72
pellucida, 72
kibonotensis
Cercopithecus, 15
kima
Lasiopyga, 15
klamathensis
Lepus, 25
klossii
Hylobates, 21
Symphalangus, 21
knoxjonesi
Blarina, 32
kohtauensis
Tupaia, 10
konganensis
Sylvisorex, 49
koopmani
Artibeus, 58
koratensis
Presbytis, 20
kunsi
Monodelphis, 6
kurodai
Crociodura, 34
labiatus
Saguinas, 14
labradorius
Lepus, 25
lacernata
Tupaia, 10
lacertosus
Cryptotis, 39
Laephotis
botswanae, 72
namibensis, 72
LAGOMORPHA, 18
Lagomys
collaris, 21
schisticeps, 21
lagunae
Sorex, 44
lakiundae
Crociodura, 37
lanensis
Pteropus, 53
lanigera
Pteropus, 53
lapsus
Pithecus, 18
laricorum
Sorex, 42
larvatus
Hipposideros, 55
lasiae
Macaca, 18
Megaderma, 56
Pithecus, 18
Lasiopyga
albogularis, 15
arenaria, 15
ascanius, 15
callida, 15
contigua, 15
kaimosae, 15
kima, 15
leucampax, 15
maritima, 15
mauae, 15
pygerythra, 15
tumbili, 15
Lasiurus
blossevillii, 72
borealis, 72
castaneus, 73
cinereus, 72
degelidus, 73
floridanus, 72
intermedius, 72, 73
minor, 73
ornatus, 72
semotus, 72
teliotis, 72
laticaudatus
Nyctinomops, 68, 69

- latidens*
Anoura, 57
latimanus
Scapanus, 51
latus
Vampyrops, 63, 64
lautensis
Galeopterus, 12
Pithecus, 18
Lavia
frons, 56
rex, 56
lea
Crocidura, 34
leibii
Myotis, 76
lembicus
Cynopithecus, 16
lemhi
Ochotona, 23
leonina
Macaca, 16, 17
lepidura
Crocidura, 34
lepidus
Pteropus, 53
 LEPORIDAE, 23
leporinus
Noctilio, 66
Leptonycteris
curasoea, 61
Lepus
abbotti, 25
aegyptius, 25
alleni, 23
altamirae, 26
americanus, 24, 25, 26, 27
angustidens, 24
arcticus, 24, 25
arizonae, 27, 29
asellus, 24
audubonii, 28
aurigineus, 24
bachmani, 28
baileyi, 28
bairdii, 24
bangsui, 25
brachyurus, 24
brasiliensis, 28
californicus, 24, 25, 26, 27
callotis, 25
campestris, 25
caniclunis, 28
canus, 24
capensis, 25
chiapensis, 28
cinnamomeus, 25
connectens, 28
dalli, 24, 26
deserticola, 27
europaeus, 25, 26
festinus, 25
filchneri, 26
floridanus, 28, 29
gabbi, 28
gaillardi, 25
goldmani, 27
grahami, 25
graysoni, 29
griseus, 26
groenlandicus, 24
holzneri, 29
hubbardi, 24
idahoensis, 23
insonus, 29
kakumegae, 25
klamathensis, 25
labradorius, 25
macfarlani, 24
magdalenae, 25
major, 27
margaritae, 29
melanotis, 26
merriami, 26
microtis, 25, 26
minor, 27
monstrabilis, 24
oistolus, 25
orizabae, 29
othus, 26
pacificus, 30
pamassius, 26
pinetis, 29
poadromus, 26
porsildi, 24
quercerus, 26
raineyi, 26
rigidus, 29
robustus, 29
saliens, 26
sanctidiegi, 28
sierrae, 25
simplicianus, 29
sowerbyae, 26
stoliczkanus, 26
subcinctus, 28
swinhoei, 26
sylvaticus, 29
texianus, 24, 25, 26, 27
tibetanus, 26
tiburonensis, 23
timidus, 27
tolai, 24, 25, 26
townsendii, 25
troubridgii, 29
truei, 30
tularensis, 27
ubericolor, 28
varronis, 27
veraecrucis, 30
wallawalla, 27
washingtonii, 25, 27
xanti, 25
yucatanicus, 29
lestes
Papio, 19
Lestros
inca, 6
leucampax
Lasiopyga, 15
leucogenys
Sorex, 44
levicula
Crocidura, 34
levis
Ochotona, 22
Lichonycteris
degener, 61
lignicolor
Crocidura, 35
lilium
Sturnira, 64
limitaneus
Cebus, 14
lingae
Pithecus, 18
Tana, 9
Tupaia, 9
lingungensis
Pithecus, 18
lipara
Crocidura, 35
littoralis
Crocidura, 35
Sylvilagus, 30
lituratus
Artibeus, 58
lixa
Pachyura, 49
Lonchophylla
cadenai, 61
concava, 61
fornicata, 61
robusta, 61
longicauda
Sorex, 44, 45
longicaudus
Sorex, 45
longicrus
Myotis, 73, 75, 77
Vespertilio, 77
longipes
Crocidura, 35
Tupaia, 10
longirostris
Glossophaga, 60
Sorex, 43
Lophostoma
brasiliense, 61
kalkoae, 61
venezuelae, 61
loriae
Mormopterus, 68
Tadarida, 68
 LORISIDAE, 12
loukashkini
Myotis, 76
Loxodonta
africana, 7
luciae
Ardops, 57
Monophyllus, 63
Stenoderma, 57
lucifugus
Myotis, 75, 76, 77
Vespertilio, 77
lutescens
Ochotona, 22
luteus
Cercopithecus, 15
lutosus
Myotis, 76
lutrella
Crocidura, 35
lutreola
Crocidura, 35
luzonus
Chaerephon, 67
lyelli
Sorex, 47
lynmi
Eptesicus, 71
lyoni
Cynopterus, 52
maanjae
Crocidura, 35
Macaca
adusta, 16
atriceps, 17
aurea, 19
broca, 16
esau, 19
fascicularis, 16, 17, 18, 19
fusca, 17
indochinensis, 17
insulana, 17
irus, 17
lasiae, 18
leonina, 16, 17
mulatta, 17
nemestrina, 16, 17
nigra, 16
pagensis, 17
philippensis, 16, 19
thibetana, 19
tua, 17
umbrosa, 17
Macacus
fuscus, 17
pagensis, 17
phaeura, 17
pumilus, 17
rhesus, 17
umbrosus, 17
villosus, 17
macer
Chilonatalus, 66
Cryptotis, 39
macfarlani
Lepus, 24
machetes
Blarina, 38
Cryptotis, 38
machrinoides
Scalopus, 50
macrocorpus
Sylvilagus, 31
macrodon
Sorex, 44

- macropus*
Vespertilio, 77
macropygmaeus
Sorex, 44
MACROSCELIDEA, 7
MACROSCELIDIDAE, 7
macrootis
Corynorhinus, 70
Hypsugo, 71
Nyctinomops, 69
Nyctinomus, 69
Rhinolophus, 54
Macrotus
californicus, 61
compressus, 62
heberfolium, 62
jamaicensis, 62
waterhousii, 62
macrourus
Natalus, 67
magdalena
Lepus, 25
magna
Blarina, 38
magnus
Cryptotis, 38
major
Cynopterus, 51
Lepus, 27
Natalus, 66
Neurotrichus, 50
Thyroptera, 66
mallurus
Sylvilagus, 31
mam
Cryptotis, 39
Manatus
oweni, 8
mandibularis
Pithecus, 18
mansalaris
Pithecus, 19
mansuetus
Sylvilagus, 31
margaritae
Cebus, 14
Lepus, 29
Sapajus, 14
Sylvilagus, 29
mariakanae
Elephantulus, 7
marica
Gracilinanus, 4
mariguanensis
Erophylla, 60
maritima
Lasiopyga, 15
Marmosa
albiventris, 5
bishopi, 5
caucae, 5
cracens, 5
demararae, 4
formosa, 3
insularis, 6
invicta, 5
isthmica, 4
meridae, 4
mexicana, 4
murina, 4
muscula, 3
oaxacae, 6
parvidens, 5
pinheiroi, 5
purui, 5
ruatanica, 4
tatei, 6
woodalli, 5
xerophila, 5
zeledoni, 5
Marmosops
bishopi, 5
cracens, 5
impavidus, 5
invictus, 5
neblina, 5
noctivagus, 5
pinheiroi, 5
marsupialis
Didelphis, 4
masae
Tana, 9
Tupaia, 9
mastivus
Noctilio, 66
matschiei
Colobus, 16
mauae
Lasiopyga, 15
maximus
Parastrellus, 80
Pipistrellus, 80
mayensis
Blarina, 38
Cryptotis, 38
mcmurtrii
Centurio, 58
mearnsi
Pteropus, 53
mearnsii
Sylvilagus, 31
Megaderma
carimatae, 56
celebensis, 56
lasiae, 56
niasense, 56
siumatis, 56
spasma, 56
MEGADERMATIDAE, 56
MEGALONYCHIDAE, 8
megalophylla
Mormoops, 65
megalotis
Corynorhinus, 70
Micronycteris, 62
megalura
Sylvisorex, 49
Megasorex
gigas, 40
mehelyi
Rhinolophus, 54
melalophos
Presbytis, 19
melanopogon
Taphozous, 57
melanops
Peramys, 6
melanorhinus
Myotis, 78
Vespertilio, 78
melanotis
Lepus, 26
melanotus
Pteropus, 53
meridae
Marmosa, 4
merriami
Cryptotis, 39
Lepus, 26
Sorex, 44
Vesperugo, 81
merus
Cryptotis, 39
mesatanensis
Crocidura, 35
messorius
Sylvilagus, 31
Metachirus
colombianus, 5
dentaneus, 5
fuscogriseus, 6
nudicaudatus, 5
pallidus, 6
mexicana
Alouatta, 14
Blarina, 38
Chilonycteris, 65
Marmosa, 4
Tadarida, 69
mexicanus
Corynorhinus, 70
Cryptotis, 38
Cyclopes, 8
Dasypus, 8
Micronycteris, 62
Myotis, 76
Natalus, 66
Noctilio, 66
Pteronotus, 65
Micoureus
demararae, 4
Micronycteris
megalotis, 62
mexicanus, 62
microtis, 62
sanborni, 62
micronyx
Myotis, 75
microphyllum
Rhinopoma, 56
micropus
Chilonatalus, 66
Microsorex
hoyi, 40, 41
intervectus, 40
montanus, 41
washingtoni, 41
winnemana, 41
microtis
Glossophaga, 60
Lepus, 25, 26
Micronycteris, 62
Midas
elegantulus, 14
milleri
Sorex, 44
Mimon
cozumelae, 62
crenulatum, 62
keenani, 62
mimula
Crocidura, 35
mindanensis
Cynomolgus, 16
mindorus
Crocidura, 35
Pithecus, 19
minimus
Chironectes, 3
Miniopterus
arenarius, 73
natalensis, 73
paululus, 73
minor
Antrozous, 70
Brachyphylla, 58
Gymnura, 32
Lasiurus, 73
Lepus, 27
Neomys, 40
Niadias, 52
Sylvilagus, 27
Tupaia, 11
minusculus
Neoromicia, 80
Pipistrellus, 80
minuta
Kerivoula, 72
Vampyressa, 65
minutilla
Rhogeessa, 82
minutillus
Rhinolophus, 54
minutus
Cynopterus, 51
Rhinolophus, 54
miradorensis
Eptesicus, 71
Scotophilus, 71
mitis
Cercopithecus, 15
moellendorffi
Tupaia, 9
mohavensis
Nyctinomus, 69
moholi
Galago, 13
MOLOSSIDAE, 67

- molossus*
Molossus, 68
Molossus
californicus, 67
debilis, 68
fortis, 68
molossus, 68
nigricans, 68
pretiosus, 68
pygmaeus, 68
rufus, 68
Monodelphis
adusta, 6
kunsi, 6
sorex, 6
Monophyllus
clinedaphus, 62, 63
cubanus, 62
ferreus, 62
luciae, 63
plethodon, 63
portoricensis, 63
redmani, 62, 63
monstrabilis
Lepus, 24
montanus
Microsorex, 41
Sorex, 41
montereyensis
Sorex, 44
monticola
Emballonura, 56
Sorex, 41, 42, 43, 44, 45, 48, 49
monticolus
Sorex, 44
moorei
Ochotona, 22
mordax
Sturnira, 64
Sturnirops, 64
MORMOOPIDAE, 65
Mormoops
intermedia, 65
megalophylla, 65
senicula, 65
tumidiceps, 65
Mormopterus
cobourgianus, 68
loriae, 68
phrudus, 68
muelleri
Hylobates, 21
mulatta
Macaca, 17
mulleri
Hylobates, 21
mumfordi
Myotis, 73
mundus
Vespertilio, 78
muricauda
Crocidura, 37
Myosorex, 37
muricola
Myotis, 75
murina
Marmosa, 4
Murina
fusca, 73
fuscus, 73
huttoni, 73
murinus
Suncus, 49
muscula
Marmosa, 3
mutabilis
Sorex, 47
mutesae
Crocidura, 35
mutica
Glossophaga, 60
myops
Sorex, 48
Myosorex
muricauda, 37
Myotis
abbotti, 73
adversus, 73, 74
alascensis, 75
altifrons, 73
amotus, 75
austroriparius, 73, 74
baileyi, 74
californicus, 74, 76, 77, 78, 79
capitaneus, 74
carinatae, 74
caurinus, 74, 78
ciliolabrum, 77
continentis, 73
daubentonii, 76
deignani, 74
diminutus, 74
dominicensis, 74
evotis, 75, 77
extremus, 75
fimbriatus, 75
findleyi, 74
flavus, 74
formosus, 74
fortidens, 76
grisescens, 74
handleyi, 74
hasseltii, 73
hirsutus, 75
horsfieldii, 74
interior, 75
keenii, 79
leibii, 76
longicrus, 73, 75, 77
loukashkini, 76
lucifugus, 75, 76, 77
lutosus, 76
melanorhinus, 78
mexicanus, 76
micronyx, 75
mumfordi, 73
muricola, 75
nesopolus, 75
niasensis, 75
nigricans, 75, 77, 78
occultus, 74, 75
pallidus, 74
pernox, 75
petax, 75, 76
phasma, 75
quebecensis, 73
riparius, 76
ruber, 79
saturatus, 76
septentrionalis, 77
siligorensis, 76
simus, 76
sowerbyi, 76
stephensi, 74
thaianus, 76
thysanodes, 76
volans, 73, 74, 75, 77, 79
watasei, 74
winnemana, 76
yumanensis, 75, 76, 77, 78, 79
Myrmecophaga
centralis, 8
tridactyla, 8
MYRMECOPHAGIDAE, 8
naivashae
Chaerephon, 67
namibensis
Laephotis, 72
nana
Brachyphylla, 58
nanus
Neoromicia, 80
Sorex, 48
nasutus
Promops, 69
natalensis
Miniopterus, 73
Natalus, 66
NATALIDAE, 66
Natalus
brevimanus, 66
dominicensis, 66
espiritasantensis, 67
macrourus, 67
major, 66
mexicanus, 66
natalensis, 66
stramineus, 66
tumidirostris, 67
natunae
Galeopithecus, 12
Nycticebus, 13
Tupaia, 10
navigator
Neosorex, 41
Sorex, 41, 45
nayaritensis
Cryptotis, 39
neblina
Marmosops, 5
nelsoni
Blarina, 38
Cryptotis, 38
Romerolagus, 27
Vampyrus, 65
nemestrina
Macaca, 16, 17
neomexicanus
Sorex, 45
Sylvilagus, 30
Neomys
fodiens, 40
minor, 40
Neoromicia
helios, 80
minusculus, 80
nanus, 80
somalicus, 79
ugandae, 79
Neosorex
albibarbis, 41
navigator, 41
nereis
Rhinolophus, 54
nesites
Rhinolophus, 54
Nesophontes
hypomicrus, 32
paramicrus, 32
zamicrus, 32
NESOPHONTIDAE, 32
nesopolus
Myotis, 75
Neurotrichus
gibbsi, 50
gibbsii, 50
major, 50
nevadensis
Nyctinomus, 69
Ochotona, 23
Sorex, 45
Niadias
minor, 52
niadicus
Pteropus, 53
niasense
Megaderma, 56
niasensis
Myotis, 75
Rhinolophus, 55
nichollsi
Ardops, 57
nicobarica
Crocidura, 35
Tupaia, 10
nicobarulae
Hipposideros, 55
nigra
Condylura, 49
Macaca, 16
nigrescens
Cryptotis, 39, 40
Ochotona, 22
nigricans
Molossus, 68
Myotis, 75, 77, 78

- nigripes*
Crocidura, 35
nigrofusca
Crocidura, 36, 37
nilotica
Crocidura, 36
nisa
Crocidura, 36
nitelinea
Platyrrhinus, 63
nitida
Ochotona, 22
nitidus
Vespertilio, 78, 79
Noctilio
leporinus, 66
mastivus, 66
mexicanus, 66
NOCTILIONIDAE, 66
noctivagus
Marmosops, 5
Notiosorex
crawfordi, 40
evotis, 40
gigas, 40
novemcinctum
Tatu, 8
novemcinctus
Dasypus, 8
nucella
Scotophilus, 82
nudicaudatus
Metachirus, 5
nyansae
Crocidura, 33
Nycticea
crepuscularis, 80
cynocephala, 69
Nycticebus
bancanus, 12
borneanus, 12
brachycephalus, 12
coucang, 12, 13
natunae, 13
Nycticeius
humeralis, 80
Nyctinomops
aurispinosus, 68
europs, 69
femorosaccus, 69
laticaudatus, 68, 69
macrotis, 69
yucatanicus, 68
Nyctinomus
antillarum, 69
europs, 69
femorosaccus, 69
jobensis, 67
macrotis, 69
mohavensis, 69
nevadensis, 69
orthotis, 68
pusillus, 67
Nyctophilus
arnhemensis, 80
oaxaca
Marmosa, 6
Sorex, 47
obscura
Blarina, 38
obsкуроoides
Sorex, 48
obscurus
Antrozous, 70
Cryptotis, 38
Pipistrellus, 81
Sorex, 45, 48, 49
Sylvilagus, 31
Trachypithecus, 20, 21
Vespertilio, 78
obtusa
Phyllonycteris, 63
occidentalis
Colobus, 16
occultidens
Pachyura, 49
occultus
Myotis, 74, 75
Ochotona
alpina, 22
annectens, 22
argentata, 22
brooksi, 22
brumescens, 22
cansus, 22
collaris, 21
erythrotis, 22
fenisex, 22
fumosa, 22
fuscipes, 23
goldmani, 23
incana, 23
jewetti, 23
lemhi, 23
levis, 22
lutescens, 22
moorei, 22
nevadensis, 23
nigrescens, 22
nitida, 22
princeps, 21, 22, 23
saxatilis, 22, 23
schisticeps, 21, 23
uinta, 23
ventorum, 23
vulpina, 22
OCHOTONIDAE, 21
oistolus
Lepus, 25
oklahomae
Pipistrellus, 80
olivacea
Tupaia, 10
olivieri
Crocidura, 33, 36
opossum
Philander, 6
orarius
Scapanus, 51
oregonensis
Vespertilio, 78, 79
oreopolus
Sorex, 45
oreoryctes
Cryptotis, 39
orizabae
Lepus, 29
Sorex, 45
Sylvilagus, 28, 29, 31
ornatus
Ateles, 15
Lasiurus, 72
Sorex, 42, 44, 45
Orolestes
inca, 6
orthotis
Nyctinomus, 68
othus
Lepus, 26
oweni
Manatus, 8
Pachyura
aequatoria, 49
lixa, 49
occultidens, 49
pachyurus
Sorex, 45
pacificus
Antrozous, 70
Lepus, 30
Sorex, 46, 49
pagensis
Cynopterus, 51, 52
Macaca, 17
Macacus, 17
pallens
Eptesicus, 71
pallescens
Corynorhinus, 70
palliata
Alouatta, 14
pallidus
Antrozous, 70
Eptesicus, 71
Metachirus, 6
Myotis, 74
Vespertilio, 70
palmeri
Sorex, 42
palustris
Sorex, 46
Sylvilagus, 31
pamana
Promops, 69
panamensis
Ateles, 15
Chironectes, 3
Papio
anubis, 19
lestes, 19
vigilis, 19
paramicrus
Nesophontes, 32
Parastrellus
hesperus, 80, 81
maximus, 80
parnassius
Lepus, 26
parnellii
Chilonycteris, 65
Pteronotus, 65
Parocnus
serus, 8
parva
Condylura, 49
parvidens
Cheiromeles, 67
Euroscaptor, 50
Marmosa, 5
Sorex, 45
Sturnira, 64
Talpa, 50
parvipes
Crocidura, 35, 36
parvula
Rhogeessa, 82
parvus
Cryptotis, 37, 38, 39, 40
patas
Erythrocebus, 16
PAUCITUBERCULATA, 6
paulsoni
Sturnira, 64
paululus
Miniopterus, 73
pelagicus
Pteropus, 53
pelingensis
Hipposideros, 55
pellucida
Kerivoula, 72
pemangilis
Tupaia, 10
peninsulae
Blarina, 32
peninsularis
Emballonura, 56
Peramys
dimidiata, 6
itatiayae, 6
melanops, 6
percivali
Colobus, 16
percura
Presbytis, 20
peregrina
Blarina, 38
peregrinus
Cryptotis, 38
pergracilis
Cryptotis, 39
pergrisea
Crocidura, 36
perijae
Gracilinanus, 4
Perimyotis
subflavus, 81

- periosus*
Choeroniscus, 59
permiliensis
Sorex, 45
pernox
Myotis, 75
perotis
Eumops, 67
personatus
Sorex, 46
perspicillata
Carollia, 58
petax
Myotis, 75, 76
Petrodromus
sangi, 7
sultani, 7
tetradactylus, 7
phaeotis
Dermanura, 59
phaeura
Macacus, 17
Tupaia, 10
phaeus
Elephantulus, 7
Phalanger
furvus, 7
 PHALANGERIDAE, 7
phasma
Myotis, 75
phayrei
Trachypithecus, 20
Philander
centralis, 3
fuscogriseus, 6
opossum, 6
philippensis
Macaca, 16, 19
philippinensis
Taphozous, 57
Phoniscus
atrox, 81
jagorii, 81
rapax, 81
pbrudus
Mormopterus, 68
Phyllonycteris
aphylla, 63
bombifrons, 60
obtusa, 63
planifrons, 60
poeyi, 63
 PHYLLOSTOMIDAE, 57
picta
Tupaia, 11
pilirostris
Dymecodon, 49
 PILOSA, 8
pinetis
Lepus, 29
pinheiroi
Marmosa, 5
Marmosops, 5
Pipistrellus
aero, 81
australis, 80
camortae, 81
cinnamomeus, 76
curtatus, 71
helios, 80
hesperus, 80
javanicus, 81
maximus, 80
minusculus, 80
obscurus, 81
oklahomae, 80
santarosae, 80
subflavus, 81
subulidens, 81
tenuis, 81
Pithecus
agnatus, 17
baueanus, 17
capitalis, 18
carimatae, 18
cupidus, 18
fuscus, 18
impudens, 18
lapsus, 18
lasiae, 18
lautensis, 18
lingae, 18
lingungensis, 18
mandibularis, 18
mansalaris, 19
mindorus, 19
pullus, 19
sirhassenensis, 19
vitis, 19
planiceps
Crocidura, 36
Sorex, 46
planifrons
Erophylla, 60
Phyllonycteris, 60
Platyrrhinus
aquilus, 63
aurarius, 63
brachycephalus, 63, 64
fusciventris, 63
infuscus, 63
nitelinea, 63
saccharus, 64
pleei
Cebus, 14
plethodon
Monophyllus, 63
plicatus
Chaerephon, 67
pluto
Saccolaimus, 57
Taphozous, 57
podromus
Lepus, 26
Podogymnura
truei, 32
poeyi
Phyllonycteris, 63
polulus
Surdisorex, 49
porsildi
Lepus, 24
portoricensis
Chilonycteris, 65
Monophyllus, 63
Pteronotus, 65
praeceps
Artibeus, 58
preblei
Sorex, 46
Presbytes
batuanus, 19
rhionis, 19
Presbytis
argenteus, 20
arwasca, 19
australis, 19
cana, 19, 20
canicrus, 20
carimatae, 20
catemana, 20
chrysomelas, 19
corvus, 20
cristata, 20
cruciger, 19
femoralis, 19, 20
bosei, 20
koratensis, 20
melalophos, 19
percura, 20
rhionis, 19
rubicunda, 20
rubida, 20
siamensis, 19, 20
sumatrana, 19
vigilans, 21
pretiosus
Molossus, 68
prevostensis
Sorex, 44
pribilofensis
Sorex, 46
 PRIMATES, 12
princeps
Cynopterus, 52
Ochotona, 21, 22, 23
 PROBOSCIDEA, 7
 PROCAVIIDAE, 7
procera
Crocidura, 34
Promops
nasutus, 69
pamana, 69
Pseudantechinus
bilarni, 6
Pteronotus
gonavensis, 65
mexicanus, 65
parnellii, 65
portoricensis, 65
 PTEROPODIDAE, 51
Pteropus
aldabrensis, 52
alecto, 52
arquatus, 51
aterrimus, 52
balutus, 52
baveanus, 52
cagayanus, 52
coxi, 52
enganus, 52
faunulus, 53
geminorum, 53
hypomelanus, 52, 53
insularis, 53
lanensis, 53
lanigera, 53
lepidus, 53
mearnsi, 53
melanotus, 53
niadicus, 53
pelagicus, 53
pumilus, 52, 53
samoensis, 53
speciosus, 53
vampyrus, 53
vociferus, 53
puublensis
Cryptotis, 39
pulcher
Scalopus, 50
pullata
Crocidura, 36
pullus
Pithecus, 19
pulonis
Tupaia, 11
pumila
Brachyphylla, 58
pumilus
Chaerephon, 67
Galeopithecus, 12
Macacus, 17
Pteropus, 52, 53
Tarsius, 13
purui
Marmosa, 5
pusilla
Emballonura, 56
pusillus
Chaerephon, 67
Nyctinomus, 67
Rhinolophus, 54
Pygathrix
flavicauda, 21
rubicunda, 20
rubida, 20
sanctorum, 21
ultima, 21
pygerythra
Lasiopyga, 15
pygerythrus
Chlorocebus, 15
pygmaeus
Bradypus, 8
Molossus, 68
quebecensis
Myotis, 73

- quelpartis*
Crocidura, 36
quercerus
Lepus, 26
raineyi
Crocidura, 36
Lepus, 26
rapax
Crocidura, 34
Phoniscus, 81
rava
Dermanura, 59
raviana
Tupaia, 11
redmani
Monophyllus, 62, 63
Reithronycteris
aphylla, 63
restrictus
Sylvilagus, 31
rex
Lavia, 56
rhesus
Macacus, 17
 RHINOLOPHIDAE, 54
Rhinolophus
acuminatus, 54
affinis, 54
borneensis, 55
circe, 54
clivus, 54
coelophyllus, 54
hirsutus, 54
inops, 54
keniensis, 54
macrotis, 54
mehelyi, 54
minutillus, 54
minutus, 54
neris, 54
nesites, 54
niasensis, 55
pusillus, 54
shameli, 54
solitarius, 54
spadix, 55
trifoliatus, 54, 55
tuneti, 54
virgo, 55
Rhinophylla
alethina, 64
Rhinopoma
harrisoni, 56
microphyllum, 56
 RHINOPOMATIDAE, 56
rhionis
Presbytes, 19
Presbytis, 19
rhoditis
Crocidura, 36
Rhogeessa
gracilis, 81
minutilla, 82
parvula, 82
tumida, 82
riabus
Tupaia, 11
richmondi
Didelphis, 4
rigidus
Lepus, 29
riparius
Myotis, 76
robinsoni
Coelops, 55
roboratus
Sorex, 46
robusta
Eonycteris, 52
Lonchophylla, 61
robustus
Lepus, 29
Sylvilagus, 29
Romerolagus
diazi, 27
nelsoni, 27
roosevelti
Colobus, 16
Crocidura, 37
Heliosorex, 37
rostrata
Glossophaga, 60
rothschildi
Elephas, 7
ruatanica
Marmosa, 4
ruber
Myotis, 79
Vespertilio, 79
rubicunda
Presbytis, 20
Pygathrix, 20
rubida
Presbytis, 20
Pygathrix, 20
rufescens
Elephantulus, 7
rufiventris
Ateles, 14
rufus
Molossus, 68
russula
Crocidura, 33, 34, 36
saccharus
Platyrrhinus, 64
Vampyrops, 64
saccolaimus
Saccolaimus, 57
Saccolaimus
pluto, 57
saccolaimus, 57
saevus
Hipposideros, 55
safii
Crocidura, 34
Saguinas
labiatus, 14
salatana
Tupaia, 10
saliens
Lepus, 26
saltator
Cephalopachus, 13
Tarsius, 13
salvini
Chiroderma, 59
Sorex, 43, 46, 47
samoensis
Pteropus, 53
sanborni
Micronycteris, 62
sanctaemartae
Sylvilagus, 30
sanctidiegi
Lepus, 28
sanctorum
Pygathrix, 21
Trachypithecus, 21
sangi
Petrodromus, 7
santarosae
Pipistrellus, 80
Sapajus
apaella, 14
margaritae, 14
saturatus
Galeopithecus, 12
Myotis, 76
saussurei
Sorex, 46, 47
saxatilis
Ochotona, 22, 23
Scalops
aeneus, 50
Scalopus
aereus, 50
aquaticus, 50
caryi, 50
howelli, 50
inflatus, 50
machrinoides, 50
pulcher, 50
 SCANDENTIA, 9
Scapanus
alpinus, 51
dilatatus, 51
latimanus, 51
orarius, 51
schefferi, 51
sericatus, 51
townsendii, 50
truei, 51
schefferi
Scapanus, 51
schisticeps
Lagomys, 21
Ochotona, 21, 23
schmidti
Cercopithecus, 15
sclateri
Sorex, 47
scopaeum
Chiroderma, 59
Scotophilus
hesperus, 80
miradorensis, 71
nucella, 82
semicaudata
Emballonura, 57
semicaudatus
Vespertilio, 57
Semnopithecus
auratus, 21
ebenus, 21
semota
Atalapha, 72
semotus
Lasiurus, 72
senegalensis
Galago, 13
Trichechus, 8
senex
Centurio, 59
senicula
Mormoops, 65
septentrionalis
Myotis, 77
Vespertilio, 77
serasani
Cynopterus, 52
sericatus
Scapanus, 51
serotinus
Eptesicus, 71
serus
Parocnus, 8
sezekorni
Erophylla, 60
shameli
Rhinolophus, 54
shantungensis
Crocidura, 36
shastensis
Sorex, 47
shermani
Blarina, 32
shumaginensis
Sorex, 41
siaca
Tupaia, 11
siamensis
Presbytis, 19, 20
sicula
Crocidura, 33, 36
sierrae
Lepus, 25
siligorensis
Myotis, 76
Simias
concolor, 20
similis
Sorex, 48
Sylvilagus, 31
simiolus
Crocidura, 36

- simplicianus*
Lepus, 29
simus
Myotis, 76
sincepis
Tupaia, 11
SIRENIA, 8
sirhassenensis
Pithecus, 19
Tupaia, 11
siuimatis
Megaderma, 56
solifer
Taphozous, 57
solitarius
Rhinolophus, 54
somalicus
Neoromicia, 79
sonomae
Sorex, 47
sordida
Tupaia, 11
sorex
Monodelphis, 6
Sorex
alascensis, 41, 43, 45
alaskanus, 45
albibarbis, 41, 46
albiventer, 42
alnorum, 41
alpinus, 41
alticola, 41
amoenus, 41
araneus, 41, 42
arcticus, 42, 45, 46, 47
bairdi, 42, 45
bendirii, 40, 42
bergensis, 42
blitchi, 42
caecutiens, 44
californicus, 42
carolinensis, 33
cascadensis, 46
caudatus, 46
chiapensis, 49
cinereus, 40, 43, 46
coronatus, 42
crawfordi, 40
crystalbalsensis, 47
destructioni, 48
dispar, 42
dobsoni, 42
durangae, 42
elassodon, 44
emarginatus, 42
euronotus, 42
evotis, 40
eximius, 43
fimbripes, 43
fisheri, 43
fontinalis, 43
fumeus, 43
glacialis, 43
godmani, 43
haydeni, 43
hercynicus, 41
hollisteri, 46
hoysi, 40, 41, 43, 48
humboldtensis, 48
hydrobadistes, 46
idahoensis, 43
isolatus, 45
juncensis, 42
lagunae, 44
laricorum, 42
leucogenys, 44
longicauda, 44, 45
longicaudus, 45
longirostris, 43
lyelli, 47
macrodon, 44
macropygmaeus, 44
merriami, 44
milleri, 44
montanus, 41
montereyensis, 44
monticola, 41, 42, 43, 44, 45, 48, 49
monticolus, 44
mutabilis, 47
myops, 48
nanus, 48
navigator, 41, 45
neomexicanus, 45
nevadensis, 45
oaxaca, 47
obscurioides, 48
obscurus, 45, 48, 49
oreopolus, 45
orizabae, 45
ornatus, 42, 44, 45
pachyurus, 45
pacificus, 46, 49
palmeri, 42
palustris, 46
parvidens, 45
permiliensis, 45
personatus, 46
planiceps, 46
preblei, 46
prevostensis, 44
pribilofensis, 46
roboratus, 46
salvini, 43, 46, 47
saussurei, 46, 47
sclateri, 47
shastensis, 47
shumaginensis, 41
similis, 48
sonomae, 47
sphagnicola, 47
stizodon, 47
streatori, 46
suckleyi, 47
tenelliodus, 47
tenellus, 47, 48
thompsoni, 48
trigonirostris, 48
troubridgii, 44, 48
tundrensis, 48
turneri, 46
umbrosus, 43
vagrans, 41, 42, 45, 47, 48, 49
vancouverensis, 49
ventralis, 45
veraecrucis, 47
veraepacis, 47, 49
wimmemana, 41
yaquinae, 49
SORICIDAE, 32
soricina
Blarina, 38
Glossophaga, 60, 61
soricinus
Cryptotis, 38
SORICOMORPHA, 32
soitika
Erinaceus, 32
Galago, 13
sowerbyae
Lepus, 26
sowerbyi
Myotis, 76
spadix
Rhinolophus, 55
spasma
Megaderma, 56
speciosa
Tupaia, 9
speciosus
Pteropus, 53
spectrum
Vampyrus, 65
Vampyrus, 65
sphagnicola
Sorex, 47
sphinx
Cynopterus, 51, 52
splendidula
Tupaia, 9, 10
splendidulus
Tupaia, 11
Stenoderma
luciae, 57
tolteca, 60
stephensi
Myotis, 74
stizodon
Sorex, 47
stoliczkanus
Lepus, 26
stramineus
Natalus, 66
streatori
Sorex, 46
stuhlmanni
Cercopithecus, 15
Sturnira
angeli, 64
aratathomasi, 64
bogotensis, 64
lilium, 64
mordax, 64
parvidens, 64
paulsoni, 64
thomasi, 64
Sturnirops
mordax, 64
suahelae
Crocidura, 36
subcinctus
Lepus, 28
subflavus
Perimyotis, 81
Pipistrellus, 81
subrufa
Carollia, 58
subrufum
Hemiderma, 58
subulatus
Vespertilio, 79
subulidens
Pipistrellus, 81
suckleyi
Sorex, 47
sulcata
Emballonura, 57
sultani
Petrodromus, 7
suluensis
Cynomolgus, 16
sumatrana
Presbytis, 19
Suncus
murinus, 49
surda
Tupaia, 10
Surdisorex
polulus, 49
sururae
Crocidura, 36
swinhoi
Lepus, 26
sylvaticus
Lepus, 29
Sylvilagus
ammophilus, 31
aquaticus, 30
arizonae, 27, 28, 29
audubonii, 27, 28, 29, 30
aztecus, 28
bachmani, 28, 30
badistes, 31
baileyi, 28, 30
brasiliensis, 30
cedrophilus, 30
chapmani, 28, 29
cognatus, 30
connectens, 28
cunicularius, 30
exiguus, 30
floridanus, 28, 29, 31
gabbi, 28, 30, 31
goldmani, 27
graysoni, 29, 31
hefneri, 31
hitchensi, 31
holzneri, 29
hondurensis, 31

- insonus*, 29
littoralis, 30
macrocorpus, 31
mallurus, 31
mansuetus, 31
margaritae, 29
mearnsii, 31
messorius, 31
minor, 27
neomexicanus, 30
obscurus, 31
orizabae, 28, 29, 31
palustris, 31
restrictus, 31
robustus, 29
sanctaemartae, 30
similis, 31
truei, 30
ubericolor, 28
vallicola, 30
warreni, 30
yucatanicus, 29
Sylvisorex
aequatorius, 49
gemmeus, 49
konganensis, 49
megalura, 49
Symphalangus
klossii, 21
syrichtha
Carlito, 13
tabacensis
Didelphis, 4
Tadarida
antillarum, 69
brasiliensis, 69, 70
cobourgiana, 68
constanzae, 69
cynocephala, 69
intermedia, 69, 70
loriae, 68
mexicana, 69
Talpa
parvidens, 50
TALPIDAE, 49
talpoides
Blarina, 32
tamensis
Cryptotis, 39
tamrinensis
Crocidura, 33
tana
Tana, 9
Tupaia, 9, 11
Tana
besara, 9
cervicalis, 9
lingae, 9
masae, 9
tana, 9
tuancus, 9
Taphonycteris
capito, 57
Taphozous
cavaticus, 57
melanopogon, 57
philippinensis, 57
pluto, 57
solifer, 57
tarfayaensis
Crocidura, 33, 34, 36
TARSIIDAE, 13
Tarsius
borneanus, 13
dentatus, 13
fraterculus, 13
fuscus, 13
pumilus, 13
saltator, 13
tatei
Marmosa, 6
Thylamys, 6
Tatoua
centralis, 8
Tatu
novemcinctum, 8
texanum, 8
teliotis
Atalapha, 72
Lasiurus, 72
telmalestes
Blarina, 32
tenellioidus
Sorex, 47
tenellus
Sorex, 47, 48
tenuidorsalis
Vespertilio, 79
tenuis
Pipistrellus, 81
tephrura
Tupaia, 11
terrestris
Colobus, 16
tetradactylus
Petrodromus, 7
texanum
Tatu, 8
texensis
Didelphis, 4
texianus
Lepus, 24, 25, 26, 27
thaianus
Myotis, 76
thibetana
Macaca, 19
thomasi
Sturnira, 64
thompsoni
Sorex, 48
Thylamys
tatei, 6
thyone
Vampyressa, 65
Thyoptera
abdita, 66
discifera, 66
major, 66
THYROPTERIDAE, 66
thysanodes
Myotis, 76
tibetanus
Lepus, 26
tiburonensis
Lepus, 23
timidus
Lepus, 27
titthaecheilus
Cynopterus, 51
tiznitensis
Crocidura, 36
Tlacuatzin
canescens, 6
toala
Hipposideros, 55
tolai
Lepus, 24, 25, 26
tolteca
Dermanura, 60
Stenoderma, 60
townsendii
Corynorhinus, 70, 71
Lepus, 25
Scapanus, 50
Trachops
cirrhosus, 64
coffini, 64
Trachypithecus
carbo, 20
crepusculus, 20
cristatus, 21
ebenus, 21
flavicaudus, 21
germaini, 20
obscurus, 20, 21
phayrei, 20
sanctorum, 21
vigilans, 21
TRICHECHIDAE, 8
Trichechus
senegalensis, 8
tricolor
Ateles, 15
Hemiderma, 58
tridactyla
Myrmecophaga, 8
trifoliatus
Rhinolophus, 54, 55
trigonostris
Sorex, 48
trinitatum
Chiroadema, 59
triomylus
Artibeus, 58
troubridgii
Lepus, 29
Sorex, 44, 48
truei
Glossophaga, 61
Lepus, 30
Podogymnura, 32
Scapanus, 51
Sylvilagus, 30
tua
Macaca, 17
tuancus
Galeopithecus, 12
Tana, 9
tularensis
Lepus, 27
tumbili
Lasiopyga, 15
tumida
Rhogeessa, 82
tumidiceps
Mormoops, 65
tumidifrons
Chilonatalus, 66
tumidirostris
Natalus, 67
tundrensis
Sorex, 48
tuneti
Rhinolophus, 54
Tupaia
anambae, 9
batamana, 10
belangeri, 10
besara, 9
bunoe, 9
carinatae, 9
castanea, 9
cervicalis, 9
chrysogaster, 9
chrysomalla, 9
cuyonis, 9
discolor, 10
edarata, 10
everetti, 11
ferruginea, 10, 11
fuscior, 11
glis, 9, 10, 11
gracilis, 10
inflata, 10
kohtauensis, 10
lacernata, 10
lingae, 9
longipes, 10
masae, 9
minor, 11
moellendorffi, 9
natunae, 10
nicobarica, 10
olivacea, 10
pemangilis, 10
phaeura, 10
picta, 11
pulonis, 11
raviana, 11
riabus, 11
salatana, 10
siaca, 11
sincepis, 11
sirhassenensis, 11
sordida, 11
speciosa, 9
splendidula, 9, 10
splendidulus, 11

- Tupaia* (continued)
surda, 10
tana, 9, 11
tephrura, 11
TUPAIIDAE, 9
turba
Crocidura, 37
turneri
Sorex, 46
ubericolor
Lepus, 28
Sylvilagus, 28
ugandae
Eptesicus, 79
Neoromicia, 79
uinta
Ochotona, 23
ultima
Pygathrix, 21
umbrosa
Macaca, 17
umbrosus
Macacus, 17
Sorex, 43
Uroderma
convexum, 65
Urogale
cylindrura, 11
Urotrichus
gibbsii, 50
ursinus
Ailurops, 7
vagrans
Sorex, 41, 42, 45, 47, 48, 49
validus
Dendrohyrax, 7
vallicola
Sylvilagus, 30
Vampyressa
elisabethae, 65
minuta, 65
thyone, 65
Vampyrops
aquilus, 63
aurarius, 63
fumosus, 63
latus, 63, 64
saccharus, 64
Vampyrum
spectrum, 65
vampyrus
Pteropus, 53
Vampyrus
nelsoni, 65
spectrum, 65
vancouverensis
Sorex, 49
variegatus
Bradypus, 8
Galeopterus, 11, 12
varronis
Lepus, 27
vellerosus
Ateles, 15
venezuelae
Lophostoma, 61
ventorum
Ochotona, 23
ventralis
Sorex, 45
veraecrucis
Lepus, 30
Sorex, 47
veraepacis
Sorex, 47, 49
Vespertilio
affinis, 76
agilis, 76
bahamensis, 71
ciliolabrum, 77
evotis, 77
exiguus, 77
exilis, 77, 79
fuscus, 71
gryphus, 77
henshawii, 78
keenii, 79
longicrus, 77
lucifugus, 77
macropus, 77
melanorhinus, 78
mundus, 78
nitidus, 78, 79
obscurus, 78
oregonensis, 78, 79
pallidus, 70
ruber, 79
semicaudatus, 57
septentrionalis, 77
subulatus, 79
tenuidorsalis, 79
volans, 79
yumanensis, 79
VESPERTILIONIDAE, 70
Vesperugo
merriami, 81
viaria
Crocidura, 33, 36
vigilans
Presbytis, 21
Trachypithecus, 21
vigilis
Papio, 19
villosa
Glossophaga, 61
villosum
Chiroderma, 59
villosus
Macacus, 17
virginiana
Didelphis, 4
virgianus
Corynorhinus, 71
virgo
Rhinolophus, 55
vitis
Pithecus, 19
vociferus
Pteropus, 53
volans
Myotis, 73, 74, 75, 77, 79
Vespertilio, 79
ulpina
Ochotona, 22
wallawalla
Lepus, 27
warreni
Sylvilagus, 30
washingtoni
Microsorex, 41
washingtonii
Lepus, 25, 27
watasei
Myotis, 74
waterbousii
Macrotus, 62
watsoni
Dermanura, 59
wetmorei
Eptesicus, 71
whitakeri
Crocidura, 34, 35, 37
whitei
Erythrocebus, 16
winnemana
Microsorex, 41
Myotis, 76
Sorex, 41
woodalli
Marmosa, 5
xanti
Lepus, 25
xerophila
Marmosa, 5
yaquinae
Sorex, 49
yebalensis
Crocidura, 33, 34
yucatanensis
Ateles, 15
Didelphis, 4
yucatanicus
Lepus, 29
Nyctinomops, 68
Sylvilagus, 29
yumanensis
Myotis, 75, 76, 77, 78, 79
Vespertilio, 79
zaianensis
Crocidura, 37
zamicrus
Nesophontes, 32
zaphiri
Crocidura, 36
zeledoni
Marmosa, 5
zeteki
Cryptotis, 40
zonalis
Aotus, 14

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