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SYSTEMATIC RESULTS OF THE STUDY OF NORTH AMERICAN
LAND MAMMALS TO THE CLOSE OF THE YEAR 1900.

BY GERRIT S. MILLER, JR., AND JAMES A. G. REHN.

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No. 1. — SYSTEMATIC RESULTS OF THE STUDY OF
NORTH AMERICAN LAND MAMMALS TO THE
CLOSE OF THE YEAR 1900.

BY GERRIT S. MILLER, JR., AND JAMES A. G. REHN.

THREE distinct phases or periods may be distinguished in the recent history of the study of North American mammals. The first was characterized by scanty material for investigation, and by the prevalence of the conception of fixity of species. Under these conditions it was inevitable that variation should have been ignored or at least thoroughly misunderstood, and that a large number of species should have been described. The close of this period may be placed at about the years 1860 to 1865. The next phase came as the result of the accumulation of more extensive though still inadequate material and the abandonment of the idea of fixity of species. It was naturally a period of sweeping reductions. Variation had been discovered and was henceforth to be the chief object of study; but its extent and limits were still vaguely outlined, and the important distinctions between the different kinds of variation had not been made. This period continued until the year 1889. The existing phase is the direct outgrowth of the last, and represents no new conceptions or tendencies such as distinguished the latter from its predecessor. But, chiefly through the acquirement of vastly more extensive series of specimens than have ever before been brought together, the distinction between geographic variation and individual variation has been made. This is the essential characteristic of the period. The effects of this distinction are more far-reaching than might at first be expected, for instead of continued reduction in the recognized number of North American mammals, it has brought an almost bewildering increase.¹

The present paper is intended to summarize the systematic results

¹The number of North American land mammals known in 1885 was 363. About 1450 are now recognized. While it is certain that some of these will eventually prove to have been established on insufficient characters, there can be no doubt that the number to be eliminated is an insignificant fraction of the whole, a quantity that may be ignored in view of the equally certain further increase that will take place before the fauna of North America is completely known.

of the study of North American land mammals to the close of the year 1900, and to furnish an index to the literature of the subject for the past fifteen years. It is not an expression of individual opinion; and no revisionary work has entered into its preparation. North America, as here understood, is the entire American continent north of a line drawn across the Isthmus of Panama from Colon to the City of Panama, together with Greenland, and those islands of the West Indies the fauna of which is not purely South American in its affinities.

In 1885¹ Mr. F. W. True published 'A provisional list of the mammals of North and Central America and the West Indian Islands,' a summary of the North American mammal fauna as then known. To the species included in it are here added those since recognized, the status of which at the end of the year 1900 had not been questioned in some recent work of definite monographic character, where full synonymy and references may readily be consulted. Forms in regard to whose standing there is difference of opinion, but which have not been treated in such a monographic paper, are included; but in cases of this kind references are given to the conflicting views. The sequence of groups is essentially that of Trouessart's 'Catalogus mammalium tam viventium quam fossilium' (Berlin, 1897-1899) with the order reversed to conform with the prevalent opinion that enumeration should begin with the more generalized types rather than with the more specialized. The arrangement of species is alphabetic except in the case of genera that have been recently monographed; here the sequence adopted by the reviser is followed, and any additions made subsequently to the publication of the revision are entered in accordance with their supposed affinities. Under every species and subspecies reference is made to the first publication of the specific or subspecific name. To this, when necessary, is added (a) reference to first use of current binomial or trinomial name, (b) in the case of species described before 1885, but not at that date admitted as valid, reference to establishment as members of the North American fauna, and (c) reference to True's list.² The species included by

¹ Proceedings of the United States National Museum, VII (1884), pp. 587-611 (appendix). 1885.

² No attempt is made in the case of the many species which prove to have been composite, as understood in 1885, to apportion the name then used to each of the component parts as they now stand. The word 'part' in parentheses after the reference indicates that segregation has taken place.

True are marked with an asterisk, so that the increase in each genus during the past fifteen years may be made the more apparent. References to alterations in generic names are also given, but the concordance with the nomenclature of 1885, being sufficiently indicated by the citations under species, is here omitted. The type locality of each form is stated with all possible exactitude; but in the present lack of definite information on the subject, no attempt is made to indicate the boundaries of geographic ranges.

Among the many persons who have given valuable aid and advice during the preparation of this paper, Mr. Witmer Stone, Dr. J. A. Allen and Dr. Edgar A. Mearns are particularly to be mentioned.

Class MAMMALIA.

Subclass EUTHERIA.

Superorder DIDELPHIA.

Order MARSUPIALIA.

Suborder POLYPROTODONTIA.

Family DIDELPHIIDAE.¹

Genus **CHIRONECTES** Illiger.

1811. *Chironectes* ILLIGER, Prodr. syst. mamm. et avium, p. 76.
Type.—*Lutra minima* ZIMMERMANN.

¹For discussions of the nomenclature of certain genera of this family see Rehn, Amer. nat., XXXIV, pp. 576-577, July, 1900; Allen, Bull. Amer. mus. nat. hist., XIII, pp. 185-190, October 12, 1900; Thomas, Amer. nat., XXXV, pp. 144-145, February, 1901.

* **Chironectes minimus** (Zimmermann).

1780. *Latra* (sic) *minima* ZIMMERMANN, Geogr. Gesch., II, p. 317.
 1885. *Chironectes variegatus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 587. 1885.
 1887. *Chironectes minimus* LYDEKKER, Catal. foss. mamm. Brit. mus., pt. v, p. 289.
 TYPE LOCALITY.—Guiana.

Genus **MARMOSA** Gray.

1821. *Marmosa* GRAY, London med. repos., xv, p. 308. April 1, 1821. Type.—*Didelphis murina* LINNÆUS.

For use of this name in place of *Micoureus* LESSON (Nouv. tabl. règne animal, p. 186, 1842) see Thomas, Ann. and mag. nat. hist., 6th ser., XVI, p. 58, July, 1895.

Marmosa canescens (Allen).

1893. *Didelphis* (*Micoureus*) *canescens* ALLEN, Bull. Amer. mus. nat. hist., v, p. 235. September 22, 1893.
 1897. *Marmosa canescens* ALLEN, Bull. Amer. mus. nat. hist., IX, p. 58. March 15, 1897.
 TYPE LOCALITY.—Santo Domingo de Guzman, Isthmus of Tehuantepec, Mexico.

* **Marmosa cinerea** (Temminck).

1827. *Didelphis cinerea* TEMMINCK, Monogr. mamm., I, p. 46.
 1885. *Didelphys cinerea* TRUE, Proc. U. S. nat. mus., VII (1884), p. 587. 1885.
 1897. *Marmosa cinerea* ALLEN, Bull. Amer. mus. nat. hist., IX, p. 43. March 11, 1897.
 TYPE LOCALITY.—Brazil.

Marmosa insularis Merriam.

1898. *Marmosa insularis* MERRIAM, Proc. biol. soc. Washington, XII, p. 14. January 27, 1898.
 TYPE LOCALITY.—Maria Madre Island, Tres Marias Islands, State of Jalisco, Mexico.

* **Marmosa murina** (Linnaeus).1758. [*Didelphis*] *murina* LINNAEUS, Syst. nat., x ed., i, p. 55.1885. *Didelphys murinus* TRUE, Proc. U. S. nat. mus., vii (1884), p. 587. 1885.1895. *Marmosa murina* THOMAS, Ann. and mag. nat. hist., 6th ser., xvi, p. 58. July, 1895.

TYPE LOCALITY. — Brazil.

Marmosa murina mexicana Merriam.1897. *Marmosa murina mexicana* MERRIAM, Proc. biol. soc. Washington, xi, p. 44. March 16, 1897.

TYPE LOCALITY. — Juquila, State of Oaxaca, Mexico.

Marmosa oaxacae Merriam.1897. *Marmosa oaxacae* MERRIAM, Proc. biol. soc. Washington, xi, p. 43. March 16, 1897.

TYPE LOCALITY. — City of Oaxaca, Oaxaca, Mexico.

Marmosa sinaloae Allen.1898. *Marmosa sinaloae* ALLEN, Bull. Amer. mus. nat. hist., x, p. 143. April 12, 1898.

TYPE LOCALITY. — Tatemales, State of Sinaloa, Mexico.

Genus **CALUROMYS** Allen.1900. *Caluromys* ALLEN, Bull. Amer. mus. nat. hist., xiii, p.189. October 12, 1900. Type. — *Didelphis philander* LINNAEUS.**Caluromys alstoni** Allen.1900. *Caluromys alstoni* ALLEN; Bull. Amer. mus. nat. hist., xiii, p. 189. October 12, 1900.

TYPE LOCALITY. — Tres Rios, Costa Rica.

* **Caluromys derbianus** (Waterhouse).1841. *Didelphys derbianus* WATERHOUSE, Jardine's natur. library, mamm., xi, p. 97.1885. *Didelphys derbianus* TRUE, Proc. U. S. nat. mus., vii (1884), p. 587. 1885.

1900. *Caluromys derbianus* ALLEN, Bull. Amer. mus. nat. hist., XIII, p. 189. October 12, 1900.

TYPE LOCALITY. — Unknown.

Caluromys laniger pallidus (Thomas).

1899. *Philander laniger pallidus* THOMAS, Ann. and mag. nat. hist., 7th ser., IV, p. 286. October, 1899.

1900. *Caluromys laniger pallidus* ALLEN, Bull. Amer. mus. nat. hist., XIII, p. 189. October 12, 1900.

TYPE LOCALITY. — Bogava, Chiriqui, Panama. Altitude, 250 meters.

Genus **METACHIRUS** Burmeister.

1854. *Metachirus* BURMEISTER, Thiere Brasil., I, p. 135. Based (by elimination) on the species *myosurus* TEMMINCK (= *nudicaudata* E. GEOFFROY) and *quica* TEMMINCK.

* **Metachirus fuscogriseus** Allen.

1885. *Didelphys quica* TRUE, Proc. U. S. nat. mus., VII (1884), p. 587. 1885. (Not of Temminck.)

1900. *Metachirus fuscogriseus* ALLEN, Bull. Amer. mus. nat. hist. XIII, p. 194. October 23, 1900.

TYPE LOCALITY. — Central America.

Metachirus nudicaudatus (E. Geoffroy).

1803. *Didelphys nudicaudata* E. GEOFFROY, "Cat. mus. p. 42."

1888. *Didelphys nudicaudata* THOMAS, Catal. marsup. and monotr. Brit. mus., p. 332.

1900. *M[etachirus] nudicaudatus* ALLEN, Bull. Am. mus. nat. hist., XIII, p. 197. October 23, 1900.

TYPE LOCALITY. — Cayenne, French Guiana (see Allen, Bull. Amer. mus. nat. hist., XIII, p. 197, October 23, 1900).

Genus **DIDELPHIS** Linnaeus.

1758. *Didelphis* LINNAEUS, Syst. nat., x ed., i, p. 54. Type.
— *Didelphis marsupialis* LINNAEUS.

* **Didelphis aurita** Wied.

1826. *Didelphys aurita* WIED, Beitr. Naturgesch. Brasil.,
II, p. 395.

1885. *Didelphys aurita* TRUE, Proc. U. S. nat. mus., VII
(1884), p. 587. 1885.

TYPE LOCALITY.—Villa Vicoza, Parahyba River, Brazil.

* **Didelphis marsupialis** Linnaeus.

1758. [*Didelphis*]-*marsupialis* LINNAEUS, Syst. nat., x ed.,
I, p. 54.

1885. *Didelphys virginiana* TRUE, Proc. U. S. nat. mus., VII
(1884), p. 587. 1885.

1888. *Didelphys marsupialis* THOMAS, Catal. marsup. and
monotr. Brit. mus., p. 323.

TYPE LOCALITY. — Virginia.

According to Thomas (Amer. nat., xxxv, pp. 144–145, February,
1901) this species should stand as *D. virginiana*.

Didelphis marsupialis californica (Bennett).

1833. *Didelphis californica* BENNETT, Proc. zool. Soc. London,
p. 40.

1894. *Didelphis marsupialis californica* ALLEN, Bull. Amer.
mus. nat. hist., VI, p. 168. May 31, 1894.

TYPE LOCALITY. — "That part of California which adjoins
Mexico."

Didelphis marsupialis pigra (Bangs).

1898. *Didelphis virginiana pigra* BANGS, Proc. Boston soc.
nat. hist., xxviii, p. 172. March, 1898.

TYPE LOCALITY. — Oak Lodge, opposite Micco, Brevard County,
Florida.

Superorder **MONDELPHIA**

Order EDENTATA.

Family **BRADYPODIDAE**.

Genus **CHOLOEPUS** Illiger.

1811. *Choloepus* ILLIGER, Prodr. syst. mamm. et avium, p. 108.
Type.—*Bradypus didactylus* LINNAEUS.

* **Choloepus hoffmanni** Peters.

1858. *Choloepus hoffmanni* PETERS, Monatsber. k. preuss.
Akad. Wissensch. Berlin, p. 128.

1885. *Cholopus hoffmani* TRUE, Proc. U. S. nat. mus., VII
(1884), p. 588. 1885.

TYPE LOCALITY. — Costa Rica.

Genus **BRADYPUS** Linnaeus.

1758. *Bradypus* LINNAEUS, Syst. nat., x ed., I, p. 34. Type.—
Bradypus tridactylus LINNAEUS.

* **Bradypus castaneiceps** (Gray).

1871. *Arctopithecus castaneiceps* GRAY, Proc. zool. soc. Lon-
don, p. 444.

1882. *Bradypus castaneiceps* ALSTON, Biol. Centr.-Amer.,
mammals, p. 184.

1885. *Bradypus castaneiceps* TRUE, Proc. U. S. nat. mus.,
VII (1884), p. 588. 1885.

TYPE LOCALITY. — Chontales, Nicaragua.

* **Bradypus infuscatus** Wagler.

1831. *Bradypus infuscatus* WAGLER, Isis, p. 611.

1885. *Bradypus infuscatus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 588. 1885.

TYPE LOCALITY.—Western Brazil.

Family **MYRMECOPHAGIDAE**.¹

Genus **CYCLOPES** Gray.

1821. *Cyclopes* GRAY, London med. repos., xv, p. 305. Type.
—*Myrmecophaga didactyla* LINNAEUS.

For use of this name in place of *Cyclothurus* LESSON (Nouv. tabl. règne animal, p. 152, 1846) see Thomas, Ann. and mag. nat. hist., 6th ser., xv, p. 191, February, 1895; Palmer, Proc. biol. soc. Washington, XIII, p. 72, September 28, 1899.

* **Cyclopes didactylus** (Linnaeus).

1758. [*Myrmecophaga*] *didactyla* LINNAEUS, Syst. nat., x ed., I, p. 35.

1885. *Cycloturus didactylus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 587. 1885.

1900. *Cyclopes didactylus* REHN, Amer. nat. xxxiv, p. 576. July, 1900.

TYPE LOCALITY.—Surinam.

Genus **MYRMECOPHAGA** Linnaeus.

1758. *Myrmecophaga* LINNAEUS, Syst. nat., x ed., I, p. 35. Type
—*Myrmecophaga tetradactyla* LINNAEUS.

¹For studies of the Linnaean species in relation to their present generic standing, see Rehn, Amer. nat., XXXIV, pp. 575-576, July, 1900; Thomas, Amer. nat., XXXV, pp. 143-144, February, 1901.

For use of this name in place of *Uroleptes* see Rehn, Amer. nat., xxxiv, p. 576, July, 1900. For substitution of *Uroleptes* (Wagler, Nat. Syst. der Amphibien, p. 36, 1830) for *Tamandua* (Lesson, Nouv. tabl. règne animal, p. 152, 1842) see Palmer, Proc. biol. soc. Washington, xiii, p. 73, September 28, 1889.

According to Thomas (Amer. nat., xxxv, p. 144, February, 1901) this genus should stand as *Uroleptes* WAGLER.

Myrmecophaga sellata Cope.

1889. *Myrmecophaga sellata* COPE, Amer. nat., xxiii, p. 133. February, 1889.

TYPE LOCALITY.—Honduras.

* **Myrmecophaga tetradactyla** Linnaeus.

1758. [*Myrmecophaga*] *tetradactyla* LINNAEUS, Syst. nat., x ed., i, p. 35.

1885. *Myrmecophaga quadridactyla* TRUE, Proc. U. S. nat. mus., vii (1884), p. 588. 1885.

TYPE LOCALITY.—Brazil.

Genus **FALCIFER** Rehn.

1900. *Falcifer* REHN, Amer. nat., xxxiv, p. 576. July, 1900. Type.—*Myrmecophaga jubata* LINNAEUS.

According to Thomas (Amer. nat. xxxv, p. 143, February, 1901) this genus should stand as *Myrmecophaga* LINNAEUS.

* **Falcifer jubata** (Linnaeus).

1756. [*Myrmecophaga*] *jubata* LINNAEUS, Syst. nat., xii ed., i, p. 52.

1885. *Myrmecophaga jubata* TRUE, Proc. U. S. nat. mus., vii (1884), p. 588. 1885.

1900. *Falcifer jubata* REHN, Amer. nat., xxxiv, p. 576. July, 1900.

TYPE LOCALITY.—Brazil.

According to Thomas (Amer. nat., xxxv, p. 143, February, 1901), the proper name for this species is *Myrmecophaga tridactyla* Linnaeus (Syst. nat., x ed., i, p. 35, 1758).

Family **DASYPODIDAE**.Subfamily **DASYPODINAE**.Genus **CABASSOUS** McMurtrie.

1831. *Cabassous* McMURTRIE, Cuvier's anim. kingd., 1, p. 164.

Type.—*Dasypus unicinctus* LINNAEUS.

For use of this name in place of the preoccupied *Xenurus* (WAGLER, Nat. Syst. d. Amphibien, p. 36, 1830), see Palmer, Proc. biol. soc. Washington, XIII, p. 71, September 28, 1899.

Cabassous centralis (Miller).

1899. *Tatoua (Ziphila) centralis* MILLER, Proc. biol. soc. Washington, XIII, p. 4. January 31, 1899.

1899. *C[abassous] centralis* PALMER, Proc. biol. soc. Washington, XIII, p. 72. September 28, 1899.

TYPE LOCALITY.—Chamelicon, Honduras.

Subfamily **TATUINAE**.Genus **TATU** Blumenbach.

1799. *Tatu* BLUMENBACH, Handb. der Naturgesch., p. 73. Type.—*Dasypus novemcinctus* LINNAEUS.

For use of this name in place of *Tatusia* (LESSON, Man. de mammalogie, p. 309, 1827), see Palmer, Proc. biol. soc. Washington, XI, p. 174, June 9, 1897.

* **Tatu novemcinctum** (Linnaeus).

1758. [*Dasypus*] *novemcinctus* LINNAEUS, Syst. nat., x ed., 1, p. 51.

1799. [*Tatu*] *novemcinctus* BLUMENBACH, Handb. der Naturgesch., p. 73.

1885. *Tatusia novemcinctus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 588. 1885.

TYPE LOCALITY.—Brazil.

Order UNGULATA.

Suborder ARTIODACTYLA.

Family TAYASSUIDAE.

Genus TAYASSU Fischer.

1814. *Tayassu* FISCHER, Zoognosia, III, p. 284. Type.—*Tayassu pecari* FISCHER, = *Sus albirostris* ILLIGER.

For use of this name in place of *Dicotyles* (CUVIER, Règne animal, I, p. 237, 1817) see Palmer, Proc. biol. soc. Washington, XI, p. 174, June 9, 1897.

Tayassu angulatum (Cope).

1889. *Dicotyles angulatus* COPE, Amer. nat., XXIII, p. 147. February, 1889.

1898. *T[ayassu] angulatus* BANGS, Proc. biol. soc. Washington XII, p. 164. August 10, 1898.

TYPE LOCALITY.—Guadelupe River, Texas.

Tayassu angulatum sonoriense (Mearns).

1897. *Dicotyles angulatus sonoriensis* MEARN'S. Preliminary diagnoses of new mammals of the genera Mephitis, Dorcelaphus and *Dicotyles* from the Mexican border of the

United States, p. 3. February 11, 1897. (Reprint: Proc. U. S. nat. mus., xx, p. 469. December 24, 1897.)

TYPE LOCALITY.—San Bernardino River, Sonora, Mexico, near monument, no. 77, Mexican boundary line.

* **Tayassu albirostre** (Illiger).

1815. *Sus albirostris* ILLIGER, Abhandl. k. Akad. Wissensch. Berlin, p. 115.

1885. *Dicotyles labiatus* TRUE, Proc. U. S. nat. mus., vii (1884), p. 592. 1885.

1900. *Tayassu albirostris* BERG, Comunicaciones del Museo nacional de Buenos Aires, i, no. 6, p. 222. May 23, 1900.

TYPE LOCALITY. — Paraguay.

* **Tayassu tajacu** (Linnaeus).

1758. [*Sus*] *tajacu* LINNAEUS, Syst. nat., x ed., i, p. 50.

1885. *Dicotyles tajacu* TRUE, Proc. U. S. nat. mus., vii (1884), p. 591. 1885. (Part.)

1898. *T[ayassu] tajacu* BANGS, Proc. biol. soc. Washington xii, p. 164. August 10, 1898.

TYPE LOCALITY. — "Mexico, Panama and the mountains of Brazil."

Family **CERVIDAE**.

Subfamily **CERVINAE**.

Lydekker has recently published an elaborate popular account of the American deer (The deer of all lands, London, 1898) but his work cannot be regarded as constituting a revision of the group.

Genus **ODOCOILEUS** Rafinesque.

1832. *Odocoileus* RAFINESQUE, Atlantic journal, i, p. 109. Autumn of 1832. Type. — *Odocoileus speleus* RAFINESQUE = *Cervus dama americanus* ERXLEBEN, or a closely related subfossil form.

For use of this name in place of *Cariacus* (LESSON, Nouv. tabl. règne animal, p. 173, 1842) and *Dorcelaphus* (GLOGER, Gemeinn. Hand.- u. Hilfsb. der Naturgesch., p. 140, 1841) see Merriam, Proc. biol. soc. Washington, XII, p. 99, April 30, 1898.

Regarded by Lydekker (The deer of all lands, p. 243, 1898) as forming part of the genus *Mazama*.

Odocoileus acapulcensis (Caton).

1877. *Cervus acapulcensis* Caton, Antelope and deer of America, p. 113.

1890. *O[docoileus] acapulcensis* MERRIAM, Proc. biol. soc. Washington, XII, p. 104. April 30, 1898 (in text under *O. nelsoni*).

TYPE LOCALITY. — Acapulco, Guerrero, Mexico.

* **Odocoileus americanus** (Erxleben).

1777. [*Cervus dama*] *americanus* ERXLEBEN, Syst. regni anim., I, p. 312.

1885. *Cariacus virginianus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 592. 1885 (part).

1899. *Odocoileus americanus* MILLER, Bull. N. Y. State mus., VI, p. 299. November 18, 1899.

TYPE LOCALITY. — Eastern Virginia.

According to Allen (Amer. nat., xxxiv, p. 318, April, 1900) the specific name *americanus* is not tenable.

Odocoileus americanus borealis Miller.

1900. *Odocoileus americanus borealis* MILLER, Bull. N. Y. State museum, VIII, p. 83. November 21, 1900.

TYPE LOCALITY. — Bucksport, Maine.

Odocoileus americanus macrourus (Rafinesque).

1817. *Corvus* (sic) *macrourus* RAFINESQUE, American monthly magazine, I, p. 436. October, 1817.

TYPE LOCALITY. — Plains of Kansas River, Upper Mississippi Valley.

Odocoileus cerrosensis Merriam.

1898. *Odocoileus cerrosensis* MERRIAM, Proc. biol. soc. Washington, XII, p. 101. April 30, 1898.

TYPE LOCALITY. — Cerros Island, off Lower California, Mexico.

* **Odocoileus columbianus** (Richardson).

1829. *Cervus macrotis*, var. *columbiana* RICHARDSON, Fauna Boreali-Americana, I, p. 257.

1885. *Cariacus columbianus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 592. 1885.

1898. *Odocoileus columbianus* MERRIAM, Proc. biol. soc. Washington, XII, p. 100. April 30, 1898.

TYPE LOCALITY. — Mouth of the Columbia River, Oregon.

Odocoileus columbianus scaphiotus Merriam.

1898. *Odocoileus columbianus scaphiotus* MERRIAM, Proc. biol. soc. Washington, XII, p. 101. April 30, 1898.

TYPE LOCALITY. — Laguna Ranch, Gabilan Range, Riverside County, California.

Odocoileus columbianus sitkensis Merriam.

1898. *Odocoileus columbianus sitkensis* MERRIAM, Proc. biol. soc. Washington, XII, p. 100. April 30, 1898.

TYPE LOCALITY. — Sitka, Alaska.

Odocoileus couesi (Coues and Yarrow).

1875. *Cariacus virginianus* var. *couesi* COUES and YARROW, Rep. upon geogr. and geol. expl. and surv., west of 100th meridian (Wheeler), V, p. 72.

1898. *Odocoileus couesi* THOMPSON, Forest and stream, LI, p. 286. October 8, 1898.

TYPE LOCALITY. — Camp Crittenden, Pima County, Arizona.

Odocoileus crooki (Mearns).

1897. *Dorcelaphus crooki* MEARN'S. Preliminary diagnoses of new mammals of the genera *Mephitis*, *Dorcelaphus* and *Dicotyles*, from the Mexican border of the United States, p. 2. February 11, 1897. (Reprint: Proc. U. S. nat. mus., XX, p. 468. December 24, 1897.)

1898. *Odocoileus crooki* THOMPSON, Forest and stream, LI, p. 286. October 8, 1898.

TYPE LOCALITY. — Summit of the Dog Mountains, Grant County, New Mexico.

* **Odocoileus hemionus** (Rafinesque).

1817. *Cervus hemionus* RAFINESQUE, American monthly magazine, I, p. 436. October, 1817.

1885. *Cariacus macrotis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 592. 1885.

1897. *Odocoileus hemionus* MERRIAM, Proc. biol. soc. Washington, XII, p. 100. April 30, 1897.

TYPE LOCALITY. — Sioux River, South Dakota.

***Odocoileus hemionus californicus* (Caton).**

1876. *Cervus macrotis* var. *californicus* CATON, Amer. nat., x, p. 464. August, 1876.

1898. *Odocoileus hemionus californicus* THOMPSON, Forest and stream, LI, p. 286. October 8, 1898.

TYPE LOCALITY. — Near Gaviota Pass, forty miles from Santa Barbara, California.

***Odocoileus hemionus eremicus* (Mearns).**

1897. *Dorcelaphus hemionus eremicus* MEARN'S, Preliminary diagnoses of new mammals of the genera Mephitis, Dorcelaphus and Dicotyles from the Mexican border of the United States, p. 4. February 11, 1897. (Reprint: Proc. U. S. nat. mus., XX, p. 470. December 24, 1897.)

1898. *Odocoileus hemionus eremicus* THOMPSON, Forest and stream, LI, p. 286. October 8, 1898.

TYPE LOCALITY. — Sierra Seri, near the Gulf of California, Sonora, Mexico.

***Odocoileus hemionus peninsulæ* (Lydekker).**

1898. *Mazama hemionus peninsulæ* LYDEKKER. Proc. zool. soc. London, (1897), p. 900.

TYPE LOCALITY. — La Paz, Lower California.

***Odocoileus leucurus* (Douglas).**

1828. *Cervus leucurus* DOUGLAS, Zool. journ., IV, p. 330.

1898. *Odocoileus leucurus* THOMPSON, Forest and stream, LI, p. 286. October 8, 1898.

TYPE LOCALITY. — Lower Columbia River, Oregon.

***Odocoileus mexicanus* (Gmelin).**

1788. [*Cervus*] *mexicanus* GMELIN, syst. nat., I, p. 179.

TYPE LOCALITY. — Mexico.

***Odocoileus nelsoni* Merriam.**

1898. *Odocoileus nelsoni* MERRIAM, Proc. biol. soc. Washington, XII, p. 103. April 30, 1898.

TYPE LOCALITY. — San Cristobal, highlands of Chiapas, Mexico.

Odocoileus osceola (Bangs).

1896. *Cariacus osceola* BANGS, Proc. biol. soc. Washington, x, p. 26. February 25, 1896.

TYPE LOCALITY. — Citronelle, Citrus County, Florida.

Odocoileus texensis (Mearns).

1898. *Dorcelaphus texensis* MEARN'S, Proc. biol. soc. Washington, XII, p. 23. January 27, 1898.

1898. *Odocoileus texensis* THOMPSON, Forest and stream, LI, p. 286. October 8, 1898.

TYPE LOCALITY. — Fort Clark, Kinney County, Texas.

Odocoileus thomasi Merriam.

1898. *Odocoileus thomasi* MERRIAM, Proc. biol. soc. Washington, XII, p. 102. April 30, 1898.

TYPE LOCALITY. — Huehuétan, Chiapas, Mexico.

* **Odocoileus toltecus** (Saussure).

1860. *Cervus toltecus* SAUSSURE, Revue et magasin de zoologie, 2d ser., XII, p. 247.

1885. *Cariacus toltecus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 592. 1885.

TYPE LOCALITY. — Near Orizaba, Vera Cruz, Mexico.

Odocoileus truei Merriam.

1898. *Odocoileus truei* MERRIAM, Proc. biol. soc. Washington, XII, p. 103. April 30, 1898.

TYPE LOCALITY. — Segovia River, Eastern Honduras.

Genus **MAZAMA** Rafinesque.

1817. *Mazama* RAFINESQUE, American monthly magazine, I, p. 363. September, 1817. Type.— *Cervus rufinus* ILLIGER (see Merriam, Science, n. s., I, p. 208, February 22, 1895.)

* **Mazama sartorii** (Saussure).

1860. *Cervus sartorii* SAUSSURE, Revue et magasin de zoologie, 2d ser., XII, p. 252.

1885. *Cariacus rufinus* TRUE, Proc. U. S. nat. mus., vi (1884), p. 592. 1885.
 1898. *Mazama sartorii* LYDEKKER, The deer of all lands, p. 303.
 TYPE LOCALITY.—Mirador, State of Vera Cruz, Mexico.

Genus **CERVUS** Linnaeus.

1758. *Cervus* LINNAEUS, Syst. nat., x ed., i, p. 66. Type.—*Cervus elaphus* LINNAEUS.

* **Cervus canadensis** (Erxleben.)

1777. [*Cervus elaphus*] *canadensis* ERXLEBEN, Syst. regni anim., i, p. 305.
 1783. *Cervus canadensis* SCHREBER, Säugth, v, pl. 246 a.
 1885. *Cervus canadensis* TRUE, Proc. U. S. nat. mus., vii (1884), p. 592. 1885.
 TYPE LOCALITY.—Eastern Canada.

Cervus canadensis occidentalis (Smith).

1827. *C[ervus] occidentalis* H. Smith, Griffith's Cuvier, animal kingdom, iv, p. 101.
 1865. *C[ervus] canadensis occidentalis* BLYTH, Proc. zool. soc. London, 1865, p. 618.
 1897. *Cervus rooseveltdi* MERRIAM, Proc. biol. soc. Washington, xi, p. 272. December 17, 1897.
 1898. *Cervus canadensis occidentalis* LYDEKKER, The deer of all lands, p. 101.
 TYPE LOCALITY.—Extreme western North America.

Genus **ALCES** Jardine.

1835. *Alces* JARDINE, Nat. library, XXI (mammalia: deer, antelopes, camels, etc.), p. 125. Type.—*Alces americanus* JARDINE.

For use of this name in place of *Alce* H. SMITH (Griffith's Cuvier, animal kingdom, v, p. 303, 1827) see Lydekker, The deer of all lands, pp. 49, 51, 1898.

* **Alces americanus** Jardine.

1835. *Alces americanus* JARDINE, Nat. library, XXI (mammalia: deer, antelopes, camels, etc.), p. 125.

1885. *Alces machlis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 592, 1885.

TYPE LOCALITY.—North America.

Alces gigas Miller.

1899. *Alces gigas* Miller, Proc. biol. soc. Washington, XIII, p. 57. May 29, 1899.

TYPE LOCALITY.—North side of Tustumena Lake, Kenai Peninsula, Alaska.

Genus **RANGIFER** Hamilton Smith.

1827. *Rangifer* HAMILTON SMITH, Griffith's Cuvier, Animal kingdom, v, p. 304. Type.—*Cervus tarandus* LINNAEUS.

* **Rangifer arcticus** (Richardson).

1829. *Cervus tarandus* var. *arctica* RICHARDSON, Fauna Boreali-Americana, I, p. 241.

1885. *Rangifer tarandus* and *R. tarandus groenlandicus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 592. 1885.

1896. *Rangifer arcticus* ALLEN, Bull. Amer. mus. nat. hist., VIII, p. 234. November 21, 1896.

TYPE LOCALITY.—Arctic coast of America.

* **Rangifer caribou** (Gmelin).

1788. [*Cervus tarandus*] *caribou* GMELIN, Syst. nat., I, p. 177.

1854. *Rangifer caribou* AUDUBON and BACHMAN, Quadr. N. Amer., III, p. 111.

1885. *Rangifer tarandus caribou* TRUE, Proc. U. S. nat. mus., VII (1884), p. 592. 1885.

TYPE LOCALITY.—Eastern Canada.

Rangifer dawsoni Seton-Thompson.

1900. *Rangifer dawsoni* SETON THOMPSON, Ottawa naturalist, XIII, p. 260. February, 1900.

TYPE LOCALITY.—Graham Island, Queen Charlotte Group, British Columbia, Canada.

Rangifer groenlandicus (Gmelin).

1788. [*Cervus tarandus*] *groenlandicus* GMELIN, Syst. nat., I, p. 177.

1857. *Rangifer groenlandicus* BAIRD, Mam. N. Amer., p. 634.

TYPE LOCALITY.—Greenland.

Rangifer montanus Seton-Thompson.

1899. *Rangifer montanus* SETON-THOMPSON, Ottawa naturalist, XIII, No. 5, pp. 129–130. August, 1899.

TYPE LOCALITY.—Illecillewaet watershed, near Revelstoke, Selkirk Range, British Columbia, Canada.

Rangifer terraenovae Bangs.

1896. *Rangifer terraenovae* BANGS, Preliminary description of the Newfoundland caribou, p. 1. November 11, 1896.

TYPE LOCALITY.—Codroy, Newfoundland.

Family **ANTILOCAPRIDAE**.

Genus **ANTILOCAPRA** Ord.

1818. *Antilocapra* Ord, Journ. de physique, LXXXVII, p. 149.
Type. — *Antilope americana* ORD.

***Antilocapra americana** (ORD).

1815. *Antilope americana* ORD, Guthrie's geography, 2d Amer. ed., II, p. 292 (described on p. 308).

1818. *Antilocapra americana* ORD, Journ. de physique, LXXXVII, p. 149.

1885. *Antilocapra americana* TRUE, Proc. U. S. nat. mus., VII (1884), p. 592. 1885.

TYPE LOCALITY. — "On the plains and the highlands of the Missouri."

Family **BOVIDAE**.

For a recent account of the American *Bovidae* see Lydekker, Wild oxen, sheep and goats of all lands, London, 1898.

Genus **BISON** Hamilton Smith.

1827. *Bison* HAMILTON SMITH, Griffith's Cuvier, Animal kingdom, v, p. 373. Type. — *Bos bison* LINNAEUS.

* **Bison bison** (Linnaeus).

1758. [*Bos*] *bison* LINNAEUS, Syst. nat., x ed., i, p. 72.

1885. *Bison americanus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 592. 1885.

1888. *B[ison] bison* JORDAN, Manual of the vertebrate animals of the northern United States, 5th ed., p. 337.

TYPE LOCALITY. — Mountains of southeastern United States.

Bison bison athabascaae Rhoads.

1898. *Bison bison athabascaae* RHOADS, Proc. acad. nat. sci. Phila., (1897), p. 498. January 18, 1898.

TYPE LOCALITY. — Great Slave Lake, Mackenzie, Canada.

Genus **OVIPOS** Blainville.

1816. *Ovibos* BLAINVILLE, Bull. soc. philom., p. 76. Type. — *Bos moschatus* ZIMMERMANN.

The genus *Ovibos* has been removed from the typical *Bovidae* to form, together with the Asiatic *Budorcas*, the subfamily *Ovibovinae* (Matschie, Sitzungsber. der Gesellsch. naturforsch. Freunde zu Berlin, 1898, pp. 30-31.)

* **Ovibos moschatus** (Zimmermann).

1780. *Bos moschatus* ZIMMERMANN, Geogr. Geschichte, II, p. 86.

1822. *Ovibos moschatus* Desmarest, Mammalogie, II, p. 492.

1885. *Ovibos moschatus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 592. 1885.

TYPE LOCALITY.— Churchill River, Kewatin, Canada.

Ovibos moschatus wardi Lydekker.

1900. *Ovibos moschatus wardi* LYDEKKER, Nature, LXIII, p. 157. December 13, 1900.

TYPE LOCALITY.— East Greenland.

Genus **OVIS** Linnaeus.

1758. *Ovis* LINNAEUS, Syst. nat., x ed., I, p. 70. Type.— *Ovis aries* LINNAEUS.

* **Ovis canadensis** Shaw.

1804. *Ovis canadensis* SHAW, Naturalists' miscell., xv, p. 610.

1885. *Ovis montana* TRUE, Proc. U. S. nat. mus., VII (1884), p. 592. 1885.

1891. *Ovis canadensis* MERRIAM, North Amer. fauna, no. 5, p. 81. July 30, 1891.

TYPE LOCALITY.— Interior of Canada.

Ovis canadensis liardensis Lydekker.

1898. *Ovis canadensis liardensis* LYDEKKER, Wild oxen, sheep and goats of all lands, p. 215.

TYPE LOCALITY.— Liard River, British Columbia, Canada.

* **Ovis dalli** (Nelson).

1884. *Ovis montana dalli* NELSON, Proc. U. S. national mus., VII, p. 12. June 3, 1884.

1885. *Ovis montana dalli* TRUE, Proc. U. S. nat. mus., VII (1884), p. 592. 1885.

1897. *Ovis dalli* ALLEN, Bull. Amer. mus. nat. hist., IX, p. 112. April 8, 1897.

TYPE LOCALITY.— Mountains south of Fort Yukon, Alaska.

Ovis stonei Allen.

1897. *Ovis stonei* ALLEN, Bull. Amer. mus. nat. hist., IX, p. 111. April 8, 1897.

TYPE LOCALITY.—Headwaters of the Stikeen River, British Columbia, Canada, near Alaskan boundary. Altitude, about 6500 feet.

Ovis nelsoni Merriam.

1897. *Ovis nelsoni* MERRIAM, Proc. biol. soc. Washington, xi, p. 218. July 15, 1897.

TYPE LOCALITY.—Grapevine Mountains, on boundary between California and Nevada, just south of lat. 37°.

Genus **OREAMNOS** Rafinesque.

1817. *Oreamnos* RAFINESQUE, Amer. monthly magazine, II, p. 44. November, 1817. Based on *Mazama dorsata* RAFINESQUE (= *Ovis montana* ORD), *M. sericea* RAFINESQUE (= *Ovis montana* ORD), and *M. puda* RAFINESQUE (a South American deer).

Oreamnos kennedyi Elliot.

1900. *Oreamnos kennedyi* ELLIOT, Field Columb. mus., publication 46, zool. ser., III, p. 3. June, 1900.

TYPE LOCALITY.—Mountains at mouth of Copper River, opposite Kyak Island, Alaska.

* **Oreamnos montanus** (Ord).

1815. *Ovis montanus* ORD, Guthrie's geography, 2d Amer. ed., p. 292 (described on pp. 309–310).

1885. *Mazama montana* TRUE, Proc. U. S. nat. mus., VII (1884), p. 592. 1885.

1895. *Oreamnos montanus* MERRIAM, Science, n. s., I, p. 19. January 4, 1895.

TYPE LOCALITY.—Cascade Range, near the Columbia River, in Oregon or Washington.

Suborder PERISSODACTYLA.

Family TAPIRIDAE.

Genus **ELASMOGNATHUS** Gill.

1865. *Elasmognathus* GILL, Proc. acad. nat. sci. Phila., p. 183.
Type.—*Elasmognathus bairdii* GILL.

* **Elasmognathus bairdii** Gill.

1865. *Elasmognathus bairdii* GILL, Proc. acad. nat. sci. Phila., p. 183.

1885. *Elasmognathus bairdii* TRUE, Proc. U. S. nat. mus., VII (1884), p. 593. 1885.

TYPE LOCALITY.—Isthmus of Panama.

* **Elasmognathus dowii** Gill.

1870. *Elasmognathus dowii* GILL, Amer. journ. sci. and arts, L, p. 142.

1885. *Elasmognathus dowii* TRUE, Proc. U. S. nat. mus., VII (1884), p. 593. 1885.

TYPE LOCALITY.—Guatemala.

Order GLIRES.¹

Suborder SIMPLICIDENTATA.

Family SCIURIDAE.

¹Tullberg has recently published an elaborate work on the genera and families of rodents, entitled "Ueber das System der Nagethiere, eine phylogenetische Studie" (Nova acta reg. soc. scient. Upsala, (III), XVIII, fasc. II, sect. 2, 1900). In this he recognizes as families a number of groups which are usually considered of lower rank. The North American groups affected are the *Cricetinae*, *Microtinae* and *Murinae*, which he names, respectively, *Hesperomyidae*, *Arvicolidae* and *Muridae*.

Subfamily SCIURINAE.

Genus **SCIURUS** Linnaeus.

1758. *Sciurus* LINNAEUS, Syst. nat., x ed., i, p. 63. Type.—*Sciurus vulgaris* LINNAEUS.

Subgenus ECHINOSCIURUS Trouessart.¹

1880. *Echinosciurus* TROUESSART, Le naturaliste, II, no. 37, p. 292. October, 1880. Type.—*Sciurus hypopyrrhus* WAGLER.

* **Sciurus aureogaster** F. Cuvier.

1829. [*Sciurus*, by implication] *aureogaster* F. CUVIER, Hist. nat. mammifères, VI, livr. LIX, pl. with text. September, 1829. (Binomial published at end of work only, vol. VII, table générale et méthodique, p. 4, 1842.)

1885. *Sciurus aureogaster* TRUE, Proc. U. S. nat. mus., VII (1884), p. 595. 1885. (Part.)

TYPE LOCALITY.—“California”—really eastern Mexico (see Nelson, Proc. Washington acad. sci., I, p. 38, May 9, 1899).

According to Canon XXXVIII of the American Ornithologists' Union code, the name *aureogaster* is not tenable as published in 1829.

* **Sciurus aureogaster hypopyrrhus** (Wagler).

1831. *Sciurus hypopyrrhus* WAGLER, Oken's Isis, pp. 510–511.

1885. *Sciurus hypopyrrhus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 595. 1885. (Part.)

1899. *Sciurus aureogaster hypopyrrhus* NELSON, Proc. Washington acad. sci., I, p. 42. May 9, 1899.

•TYPE LOCALITY.—Mexico, probably in Vera Cruz.

¹Revised by Nelson, Proc. Washington acad. sci., I, pp. 38–83. May 9, 1899.

Sciurus aureogaster frumentor Nelson.

1898. *Sciurus aureogaster frumentor* NELSON, Proc. biol. soc. Washington, XII, p. 154. June 3, 1898.

TYPE LOCALITY.—Las Vigas, State of Vera Cruz, Mexico.

Sciurus poliopus (Fitzinger).

1867. [*Sciurus variegatus*] *poliopus* FITZINGER, Sitzungsber. k. Akad. Wissensch. Wien, math.-naturw. Cl., LV, I Abth., p. 478. March, 1867.

1899. *Sciurus poliopus* NELSON, Proc. Washington acad. sci., I, p. 46. May 9, 1899.

TYPE LOCALITY.—Cerro San Felipe, State of Oaxaca, Mexico.

Sciurus poliopus hernandezi (Nelson).

1898. [*Sciurus albipes*] *hernandezi* NELSON, Science, n. s., VIII, p. 783. December 2, 1898.

1899. *Sciurus poliopus hernandezi* NELSON, Proc. Washington acad. sci., I, p. 48. May 9, 1899.

TYPE LOCALITY.—Mountains 15 miles west of the city of Oaxaca, State of Oaxaca, Mexico.

Sciurus poliopus nemoralis (Nelson).

1898. *Sciurus albipes nemoralis* NELSON, Proc. biol. soc. Washington, XII, p. 151. June 3, 1898.

1899. *Sciurus poliopus nemoralis* NELSON, Proc. Washington acad. sci., I, p. 50. May 9, 1899.

TYPE LOCALITY.—Patzcuaro, State of Michoacan, Mexico.

Sciurus poliopus cervicalis (Allen).

1890. *Sciurus cervicalis* ALLEN, Bull. Amer. mus. nat. hist., III, p. 183. December 10, 1890.

1899. *Sciurus poliopus cervicalis* NELSON, Proc. Washington acad. sci., I, p. 51. May 9, 1899.

TYPE LOCALITY.—Hacienda San Marcos, Tonila, State of Jalisco, Mexico.

Sciurus poliopus colimensis (Nelson).

1898. *Sciurus albipes colimensis* NELSON, Proc. biol. soc. Washington, XII, p. 152. June 3, 1898.

1899. *Sciurus poliopus colimensis* NELSON, Proc. Washington acad. sci., I, p. 52. May 9, 1899.

TYPE LOCALITY.—Hacienda Magdalena, State of Colima, Mexico.

Sciurus poliopus effugius (Nelson).

1898. *Sciurus albipes effugius* NELSON, Proc. biol. soc. Washington, XII, p. 152. June 3, 1898.

1899. *Sciurus poliopus effugius* NELSON, Proc. Washington acad. sci., I, p. 54. May 9, 1899.

TYPE LOCALITY.—High mountains west of Chilpancingo, State of Guerrero, Mexico.

Sciurus nelsoni Merriam.

1893. *Sciurus nelsoni* MERRIAM, Proc. biol. soc. Washington, VIII, p. 144. December 29, 1893.

TYPE LOCALITY.—Huitzilac, State of Morelos, Mexico.

Sciurus nelsoni hirtus Nelson.

1898. *Sciurus nelsoni hirtus* NELSON, Proc. biol. soc. Washington, XII, p. 153. June 3, 1898.

TYPE LOCALITY.—Tochimilco, State of Puebla, Mexico.

Sciurus colliaei Richardson.

1839. *Sciurus colliaei* RICHARDSON, Voy. H. M. S. Blossom, zool., p. 8.

TYPE LOCALITY.—San Blas, State of Tepic, Mexico.

Sciurus colliaei nuchalis Nelson.

1899. *Sciurus colliaei nuchalis* NELSON, Proc. Washington acad. sci., I, p. 59. May 9, 1899.

TYPE LOCALITY.—Manzanillo, State of Colima, Mexico.

Sciurus sinaloensis Nelson.

1899. *Sciurus sinaloensis* NELSON, Proc. Washington acad. sci., I, p. 60. May 9, 1899.

TYPE LOCALITY.—Mazatlan, State of Sinaloa, Mexico.

Sciurus truei Nelson.

1899. *Sciurus truei* NELSON, Proc. Washington acad. sci., I, p. 61. May 9, 1899.

TYPE LOCALITY.—Camoá, Rio Mayo, State of Sonora, Mexico.

Sciurus socialis Wagner.

1837. *Sciurus socialis* WAGNER, Abhandl. math.-phys. Cl. k. bayerisch. Akad. Wiss. München, II, p. 504.

TYPE LOCALITY.—Vicinity of Tehuantepec City, State of Oaxaca, Mexico.

Sciurus socialis cocos Nelson.

1898. *Sciurus socialis cocos* NELSON, Proc. biol. soc. Washington, XII, p. 155. June 3, 1898.

TYPE LOCALITY. — Acapulco, State of Guerrero, Mexico.

*** Sciurus griseoflavus** (Gray).

1867. *Macroxus griseoflavus* GRAY, Ann. and mag. nat. hist., 3d ser., XX, p. 427. December, 1867.

1878. *Sciurus griseoflavus* ALSTON, Proc. zool. soc. London, p. 660.

1885. *Sciurus griseoflavus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 595. 1885.

TYPE LOCALITY. — Guatemala.

Sciurus griseoflavus chiapensis Nelson.

1899. *Sciurus griseoflavus chiapensis* NELSON, Proc. Washington acad. sci., I, p. 69. May 9, 1899.

TYPE LOCALITY. — San Cristobal, State of Chiapas, Mexico.

*** Sciurus yucatanensis** (Allen).

1877. *Sciurus carolinensis* var. *yucatanensis* ALLEN, Monogr. N. Amer. rodentia, p. 705. August, 1877.

1885. *Sciurus carolinensis yucatanensis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 595. 1885.

1897. *Sciurus yucatanensis* ALLEN, Bull. Amer. mus. nat. hist., IX, p. 5. February 23, 1897.

TYPE LOCALITY. — Merida, Yucatan.

Sciurus thomasi Nelson.

1899. *Sciurus thomasi* Nelson, Proc. Washington acad. sci., I, p. 71. May 9, 1899.

TYPE LOCALITY. — Talamanca, Costa Rica.

Sciurus adolphei (Lesson).

1842. *Macroxus adolphei* LESSON, Nouv. tabl. règne animal, mamm., p. 112.

1899. *Sciurus adolphei* NELSON, Proc. Washington acad. sci., I, p. 73. May 9, 1899.

TYPE LOCALITY. — Realejo, Nicaragua.

Sciurus adolphei dorsalis (Gray).

1848. *Sciurus dorsalis* GRAY, Proc. zool. soc. London, p. 138.

1899. *Sciurus adolphei dorsalis* NELSON, Proc. Washington acad. sci., I, p. 74. May 9, 1899.

TYPE LOCALITY. — “Erroneously given as Caracas, Venezuela. (Specimens from Liberia, Costa Rica, are typical.)”—Nelson.

Sciurus boothiae Gray.

1843. *Sciurus boothiae* GRAY, List spec. mamm. Brit. mus., p. 139.

TYPE LOCALITY. — Honduras.

Sciurus boothiae belti Nelson.

1899. *Sciurus boothiae belti* NELSON, Proc. Washington acad. sci., I, p. 78. May 9, 1899.

TYPE LOCALITY.— Escondido River, fifty miles above Bluefields, Nicaragua.

Sciurus variegatoides Ogilby.

1839. *Sciurus variegatoides* OGILBY, Proc. zool. soc. London, p. 117.

TYPE LOCALITY. — Salvador, west coast of Central America.

Sciurus managuensis (Nelson).

1898. *Sciurus boothiae managuensis* NELSON, Proc. biol. soc. Washington, XII, p. 150. June 3, 1898.

1899. *Sciurus managuensis* NELSON, Proc. Washington acad. sci., I, p. 81. May 9, 1899.

TYPE LOCALITY. — Managua River, Guatemala.

Sciurus goldmani Nelson.

1898. *Sciurus goldmani* NELSON, Proc. biol. soc. Washington, XII, p. 149. June 3, 1898.

TYPE LOCALITY. — Huehuetan, State of Chiapas, Mexico.

Subgenus *HESPEROSCIURUS* Nelson.¹

1899. *Hesperosciurus* NELSON, Proc. Washington acad. sci., I, p. 27. May 9, 1899. Type. — *Sciurus griseus* ORD.

¹ Revised by Nelson, Proc. Washington acad. sci., I, pp. 83-85. May 9, 1899.

* **Sciurus griseus** Ord.

1818. *Sciurus griseus* ORD, Journ. de phys., LXXXVII, p. 152.

1885. *Sciurus fossor* TRUE, Proc. U. S. nat. mus., VII (1884), p. 595. 1885.

1894. *Sciurus griseus* RHOADS, Amer. nat., XXVIII, p. 525. June, 1894.

TYPE LOCALITY. — The Dalles, Wasco County, Oregon.

Sciurus griseus nigripes (Bryant).

1889. *Sciurus fossor nigripes* BRYANT, Proc. California acad. sci., 2d ser., II, p. 25. June 20, 1889.

1894. [*Sciurus*] *griseus nigripes* RHOADS, Amer. nat. XXVIII, p. 525. June, 1894.

TYPE LOCALITY. — Coast region of San Mateo County, California.

Subgenus NEOSCIURUS Trouessart.¹

1880. *Neosciurus* TROUESSART, Le naturaliste, II, no. 37, p. 292. October, 1880. Type. — *Sciurus carolinensis* GMELIN.

* **Sciurus carolinensis** GMELIN.

1788. [*Sciurus*] *carolinensis* GMELIN, Syst. nat., I, p. 148.

1885. *Sciurus carolinensis carolinensis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 595. 1885.

TYPE LOCALITY. — 'Carolinâ.'

Sciurus carolinensis extimus Bangs.

1896. *Sciurus carolinensis extimus* BANGS, Proc. biol. soc. Washington, X, p. 158. December 28, 1896.

TYPE LOCALITY. — Miami, Dade County, Florida.

Sciurus carolinensis fuliginosus (Bachman).

1838. *Sciurus fuliginosus* BACHMAN, Proc. zool. soc. London, p. 97.

1895. *Sciurus carolinensis fuliginosus* BANGS, Proc. Boston soc. nat. hist., XXVI, p. 543. July 31, 1895.

TYPE LOCALITY. — Near New Orleans, Louisiana.

¹ Revised by Bangs, Proc. biol. soc. Washington, X, pp. 153-159. December 28, 1896.

Sciurus carolinensis hypophaeus Merriam.

1886. *Sciurus carolinensis hypophaeus* MERRIAM, Science, VII, p. 351. April 16, 1886.

TYPE LOCALITY. — Elk River, Sherburne County, Minnesota.

*** Sciurus carolinensis leucotis** (Gapper).

1830. *Sciurus leucotis* GAPPER, Zool. journ., v, p. 206.

1877. *Sciurus carolinensis* var. *leucotis* ALLEN, Monogr. N. Amer. rodentia, p. 701. August, 1877.

1885. *Sciurus carolinensis leucotis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 595. 1885.

TYPE LOCALITY. — Region between York and Lake Simcoe, Ontario, Canada.

Subgenus OTOSCIURUS Nelson.

1899. *Otosciurus* NELSON, Proc. Washington acad. sci., I, p. 28. May 9, 1899. Type. — *Sciurus aberti* WOODHOUSE.

*** Sciurus aberti** Woodhouse.

1852. *Sciurus aberti* WOODHOUSE, Proc. acad. nat. sci. Phila., VI, p. 220. December, 1852.

1885. *Sciurus aberti* TRUE, Proc. U. S. nat. mus., VII (1884), p. 595. 1885.

TYPE LOCALITY. — San Francisco Mountain, Coconino County, Arizona.

Sciurus aberti ferreus True.

1894. *Sciurus aberti concolor* TRUE, Diagnoses of new North American mammals, p. I. April 26, 1894. (Reprint: Proc. U. S. nat. mus., XVII, p. 241. November 15, 1894).

1900. [*Sciurus aberti*] *ferreus* TRUE, Proc. biol. soc. Washington, XIII, p. 183. November 30, 1900.

TYPE LOCALITY. — Loveland, Larimer County, Colorado.

Sciurus durangi (Thomas).

1893. *Sciurus aberti durangi* THOMAS, Ann. and mag. nat. hist., 6th ser., XI, p. 49. January, 1893.

1899. *Sciurus durangi* NELSON, Proc. Washington acad. sciences, I, p. 85. May 9, 1899.

TYPE LOCALITY. — Cuidad ranch, one hundred miles west of Durango City, State of Durango, Mexico.

Subgenus *TAMIASCIURUS* Trouessart.¹

1880. *Tamiasciurus* TROUSSERT, Le naturaliste, II, no. 37, p. 292. October, 1880. Type.—*Sciurus hudsonicus* Erxleben.

* *Sciurus hudsonicus* (Erxleben).

1777. [*Sciurus vulgaris*] *hudsonicus* ERXLEBEN, Syst. regni anim., I, p. 416.

1885. *Sciurus hudsonius hudsonius* TRUE, Proc. U. S. nat. mus., VII (1884), p. 595. 1885. (Part.)

1894. *Sciurus hudsonicus* ALLEN, Bull. Amer. mus. nat. hist., VI, p. 325. November 7, 1894.

TYPE LOCALITY.—Hudson Strait.

Sciurus hudsonicus gymnicus Bangs.

1899. *Sciurus hudsonicus gymnicus* BANGS, Proc. New England zool. club, I, p. 28. March 31, 1899.

TYPE LOCALITY.—Greenville (near Moosehead Lake), Maine.

Sciurus hudsonicus loquax Bangs.

1896. *Sciurus hudsonicus loquax* BANGS, Proc. biol. soc. Washington, X, p. 161. December 28, 1896.

TYPE LOCALITY.—Liberty Hill, New London County, Connecticut.

Sciurus hudsonicus minnesota Allen.

1899. *Sciurus hudsonicus minnesota* ALLEN, Amer. nat., XXXIII, p. 640. August, 1899.

TYPE LOCALITY.—Fort Snelling, Hennepin County, Minnesota.

Sciurus hudsonicus dakotensis, Allen.

1894. *Sciurus hudsonicus dakotensis* ALLEN, Bull. Amer. mus. nat. hist., VI, p. 325. November 7, 1894.

TYPE LOCALITY.—Squaw Creek, Black Hills, South Dakota.

Sciurus hudsonicus baileyi Allen.

1898. *Sciurus hudsonicus baileyi* ALLEN, Bull. Amer. mus. nat. hist., X, p. 261. July 22, 1898.

TYPE LOCALITY.—Bighorn Mountains, Wyoming. Altitude, 8400 feet.

¹ Revised by Allen, Bull. Amer. mus. nat. hist., X, pp. 249-298. July 22, 1898.

Sciurus hudsonicus ventorum Allen.

1898. *Sciurus hudsonicus ventorum* ALLEN, Bull. Amer. mus. nat. hist., x, p. 263. July 22, 1898.

TYPE LOCALITY. — South Pass City, Wind River Mts., Fremont County, Wyoming.

* **Sciurus hudsonicus richardsonii** (Bachman).

1838. *Sciurus richardsonii* BACHMAN, Proc. zool. soc. London, p. 100.

1885. *Sciurus hudsonius richardsoni* TRUE, Proc. U. S. nat. mus., VII (1884), p. 595. 1885.

1898. *Sciurus hudsonicus richardsonii* ALLEN, Bull. Amer. mus. nat. hist., x, p. 265. July 22, 1898.

TYPE LOCALITY. — Head of Big Lost River, Idaho.

Sciurus hudsonicus streatori Allen.

1898. *Sciurus hudsonicus streatori* ALLEN, Bull. Amer. mus. nat. hist., x, p. 267. July 22, 1898.

TYPE LOCALITY. — Ducks, British Columbia, Canada.

Sciurus hudsonicus vancouverensis Allen.

1890. *Sciurus hudsonicus vancouverensis* ALLEN, Bull. Amer. mus. nat. hist., III, p. 165. November 14, 1890.

TYPE LOCALITY. — Duncan Station, Vancouver Island, British Columbia, Canada.

Regarded by Osgood (North Amer. fauna, no. 19, p. 27, October 6, 1900) as a distinct species.

Sciurus hudsonicus petulans Osgood.

1900. *Sciurus hudsonicus petulans* OSGOOD, North Amer. fauna, No. 19, p. 27. October 6, 1900.

TYPE LOCALITY. — Glacier, White Pass, southern Alaska. Altitude, 1870 feet.

* **Sciurus douglasii** Bachman.

1838. *Sciurus douglasii* BACHMAN, Proc. zool. soc. London, p. 99.

1885. *Sciurus hudsonius douglassi* TRUE, Proc. U. S. nat. mus., VII (1884), p. 595. 1885.

1898. *Sciurus douglasii* ALLEN, Bull. Amer. mus. nat. hist., x, p. 273. July 22, 1898.

TYPE LOCALITY. — Columbia River.

Sciurus douglasii mollipilosus (Audubon and Bachman).

1841. *Sciurus mollipilosus* AUDUBON and BACHMAN, Proc. acad. nat. sci. Phila., I, p. 102. October, 1841.

1898. *Sciurus douglasii mollipilosus* ALLEN, Bull. Amer. mus. nat. hist., x, p. 276. July 22, 1898.

TYPE LOCALITY. — Coast of northern California.

Sciurus douglasii cascadensis Allen.

1898. *Sciurus douglasii cascadensis* ALLEN, Bull. Amer. mus. nat. hist., x, p. 277. July 22, 1898.

TYPE LOCALITY. — Mount Hood, Oregon.

Sciurus douglasii albolimbatus Allen.

1898. *Sciurus douglasii albolimbatus* ALLEN, Bull. Amer. mus. nat. hist., x, p. 453. November 10, 1898.

TYPE LOCALITY. — Blue Canyon, Placer County, California.

Sciurus douglasii mearnsi (Townsend).

1897. *Sciurus hudsonius mearnsi* TOWNSEND, Proc. biol. soc. Washington, XI, p. 146. June 9, 1897.

1899. *Sciurus douglasi mearnsi* NELSON, Proc. Washington acad. sci., I, p. 87. May 9, 1899.

TYPE LOCALITY. — San Pedro Martir Mountains, Lower California, Mexico. Altitude, about 7000 feet.

*** Sciurus fremonti** Audubon and Bachman.

1853. *Sciurus fremonti* AUDUBON and BACHMAN, Quad. N. Amer., III, p. 237.

1885. *Sciurus hudsonius fremonti* TRUE, Proc. U. S. nat. mus., VII (1884), p. 595. 1885.

1890. *Sciurus fremonti* MERRIAM, North Amer. fauna, no. 3, p. 48. September 11, 1890.

TYPE LOCALITY. — 'Rocky Mountains,' probably in the Park region of central Colorado.

Sciurus fremonti neomexicanus Allen.

1898. *Sciurus fremonti neomexicanus* ALLEN, Bull. Amer. mus. nat. hist., x, p. 291. July 22, 1898.

TYPE LOCALITY. Rayado Canyon, Colfax County, New Mexico.

Sciurus fremonti mogollonensis (Mearns).

1890. *Sciurus hudsonius mogollonensis* MEARNs, Bull. Amer. mus. nat. hist., II, p. 277. February 21, 1890.

1890. *Sciurus fremonti mogollonensis* MERRIAM, N. Amer. fauna, no. 3, p. 48. September 11, 1890.

TYPE LOCALITY.—Quaking Asp settlement, summit of Mogollon Mountains, Arizona.

Sciurus fremonti grahamensis (Allen).

1894. *Sciurus hudsonicus grahamensis* ALLEN, Bull. Amer. mus. nat. hist., vi, p. 350. December 7, 1894.

1898. *Sciurus fremonti grahamensis* ALLEN, Bull. Amer. mus. nat. hist., x, p. 292. July 22, 1898.

TYPE LOCALITY.—Graham Mountains, Graham County, Arizona.

Subgenus **ARAEOSCIURUS** Nelson.¹

1899. *Araeosciurus* NELSON, Proc. Washington acad. sci., i, p. 29. May 9, 1899. Type.—*Sciurus oculatus* PETERS.

Sciurus oculatus Peters.

1863. *Sciurus oculatus* PETERS, Monatsber. k. preuss. Akad. Wissensch. Berlin, p. 653.

TYPE LOCALITY.—Mexico, probably near Las Vigas, State of Vera Cruz.

Sciurus oculatus tolucae Nelson.

1898. *Sciurus oculatus tolucae* NELSON, Proc. biol. soc. Washington, xii, p. 148. June 3, 1898.

TYPE LOCALITY.—North slope of the Volcano of Toluca, State of Mexico, Mexico.

Sciurus alleni Nelson.

1898. *Sciurus alleni* NELSON, Proc. biol. soc. Washington, xii, p. 147. June 3, 1898.

TYPE LOCALITY.—Monterey, State of Nuevo Leon, Mexico.

Sciurus nayaritensis Allen.

1890. *Sciurus nayaritensis* ALLEN, Bull. Amer. mus. nat. hist., ii, p. vii, foot-note. February, 1890.

TYPE LOCALITY.—Sierra Valparaiso, State of Zacatecas, Mexico.

¹ Revised by Nelson, Proc. Washington acad. sci., I, pp. 88-97. May 9, 1899.

Sciurus apache ALLEN.

1893. *Sciurus apache* ALLEN, Bull. Amer. mus. nat. hist., v, p. 29. March 16, 1893.

TYPE LOCALITY.—Mountains of northwestern Chihuahua (near Bavispe River?), Mexico.

* **Sciurus arizonensis** Coues.

1867. *Sciurus arizonensis* COUES, Amer. nat., I, p. 357.

1885. *Sciurus arizonensis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 595. 1885.

TYPE LOCALITY.—Fort Whipple, Yavapi County, Arizona.

Sciurus arizonensis huachuca Allen.

1894. *Sciurus arizonensis huachuca* ALLEN, Bull. Amer. mus. nat. hist., VI, p. 349. December 7, 1894.

TYPE LOCALITY.—Huachuca Mountains, southern Arizona.

Subgenus PARASCIURUS Trouessart.¹

1880. *Parasciurus* TROUESSART, Le naturaliste, II, no. 37, p. 292. October, 1880. Type. — *Sciurus niger* LINNAEUS.

* **Sciurus ludovicianus** Custis.

1806. *Sciurus ludovicianus* CUSTIS, Barton's med. and phys. journal, II, pt. II, p. 47.

1885. *Sciurus niger ludovicianus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 595. 1885.

TYPE LOCALITY.—Red River, Louisiana.

Sciurus ludovicianus limitis (Baird).

1855. *Sciurus limitis* BAIRD, Proc. acad. nat. sci. Phila., VII, p. 331.

1896. *Sciurus ludovicianus limitis* BANGS, Proc. biol. soc. Washington, X, p. 149. December 28, 1896.

TYPE LOCALITY.—Devil's River, Valverde County, Texas.

* **Sciurus ludovicianus neglectus** (Gray).

1867. *Macroæus neglectus* GRAY, Ann. and mag. nat. hist., 3d ser., XX, p. 425. December, 1867.

¹ Revised by Bangs, Proc. biol. soc. Washington, X, pp. 147-153. December 29, 1896.

1885. *Sciurus niger cinereus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 595. 1885.
 1896. *Sciurus ludovicianus vicinus* BANGS, Proc. biol. soc. Washington, X, p. 150. December 28, 1896.
 1900. *Sciurus ludovicianus neglectus* NELSON, Proc. biol. soc. Washington, XIII, p. 170. October 31, 1900.
 TYPE LOCALITY.—Wilmington, Delaware (see Nelson, Proc. biol. soc. Washington, XIII, p. 170.)

* **Sciurus niger** Linnaeus.

1758. [*Sciurus*] *niger* LINNAEUS, Syst. nat., X ed., I, p. 64.
 1885. *Sciurus niger niger* TRUE, Proc. U. S. nat. mus., VII (1884), p. 595. 1885.
 TYPE LOCALITY.—Probably southern South Carolina (the name is based on Catesby's black fox squirrel).

Subgenus GUERLINGUETUS Gray.¹

1821. *Guerlinguetus* GRAY, London med. repos., XV, p. 304. April, 1821. Type.—*Sciurus guerlinguetus* GRAY=*Sciurus aestuans* LINNAEUS.

* **Sciurus aestuans hoffmanni** Peters.

1863. *Sciurus aestuans* var. *hoffmanni* PETERS, Monatsber. k. preuss. Akad. Wissensch. Berlin, p. 654.
 1885. *Sciurus aestuans rufoniger*, TRUE, Proc. U. S. nat. mus., VII (1884), p. 595. 1885.
 1899. *Sciurus aestuans hoffmanni* NELSON, Proc. Washington acad. sci., I, p. 98. May 9, 1899.
 TYPE LOCALITY. — Costa Rica.

Sciurus richmondi Nelson.

1898. *Sciurus richmondi* NELSON, Proc. biol. soc. Washington, XII, p. 146. June 3, 1898.
 TYPE LOCALITY.—Escondido River, fifty miles above Bluefields, Nicaragua.

* **Sciurus variabilis morulus** Bangs.

1885. *Sciurus variabilis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 596. 1885.

¹ Revised by Nelson, Proc. Washington acad. sci., I, pp. 98-101. May 9, 1899.

1900. *Sciurus variabilis morulus* BANGS, Proc. New England zool. club, II, p. 43. September 20, 1900.

TYPE LOCALITY. — Loma del Leon, Panama.

Subgenus BAIOSCIURUS Nelson.¹

1899. *Baiosciurus* NELSON, Proc. Washington acad. sci., I, p. 31. May 9, 1899. Type. — *Sciurus deppei* PETERS.

* **Sciurus deppei** Peters.

1863. *Sciurus deppei* PETERS, Monatsber. k. preuss. Akad. Wissensch. Berlin, p. 654.

1885. *Sciurus deppei* TRUE, Proc. U. S. nat. mus., VII, (1884), p. 595. 1885.

TYPE LOCALITY. — Papantla, State of Vera Cruz, Mexico.

Sciurus negligens Nelson.

1898. *Sciurus negligens* NELSON, Proc. biol. soc. Washington, XII, p. 147. June 3, 1898.

TYPE LOCALITY. — Alta Mira, State of Tamaulipas, Mexico.

Subgenus MICROSCIURUS Allen.

1895. *Microsciurus* ALLEN, Bull. Amer. mus. nat. hist., VII, p. 332. November 8, 1895. Type. — *Sciurus alfari* ALLEN.

Sciurus alfari Allen.

1895. *Sciurus (Microsciurus) alfari* ALLEN, Bull. Amer. mus. nat. hist., VII, p. 333. November 8, 1895.

TYPE LOCALITY. — Jiménez, Costa Rica.

¹ Revised by Nelson, Proc. Washington acad. sci., I, pp. 101-105. May 9, 1899.

Genus **TAMIAS** Illiger.

1811. *Tamias* ILLIGER, Prodr. syst. mam. et avium, p. 83.
Type. — *Sciurus striatus* LINNAEUS.

* **Tamias striatus** (Linnaeus).

1758. [*Sciurus*] *striatus* LINNAEUS, Syst. nat., x ed., i, p. 64.

1857. *Tamias striatus* BAIRD, 11th Smithsonian report, p. 55.

1885. *Tamias striatus* TRUE, Proc. U. S. nat. mus., vii
(1884), p. 593. 1885.

TYPE LOCALITY. — Southeastern United States.

Tamias striatus griseus Mearns.

1891. *Tamias striatus griseus* MEARN, Bull. Amer. mus.
nat. hist., iii, p. 231. June 5, 1891.

TYPE LOCALITY. — Fort Snelling, Hennepin County, Minnesota.

Tamias striatus lysteri (Richardson).

1829. *Sciurus (Tamias) lysteri* RICHARDSON, Fauna Boreali-
Americana, i, p. 181.

1886. *Tamias striatus lysteri* MERRIAM, Amer. nat., xx, p.
242. March, 1886.

TYPE LOCALITY. — Penetanguishene, Georgian Bay, Ontario,
Canada.

Tamias striatus venustus Bangs.

1896. *Tamias striatus venustus* BANGS, Proc. biol. soc.
Washington, x, p. 137. December 28, 1896.

TYPE LOCALITY. — Stilwell, Boston Mts., Indian Territory.

Genus **EUTAMIAS** Trouessart.¹

1880. *Eutamias* TROUSSERT, Catal. mam. viv. et foss., ron-
geurs, p. 86. Type. — *Sciurus striatus asiaticus* GMELIN.

See Allen, Abstract proc. Linn. soc. New York, 1893-1894, p. 42,
July 20, 1894.

¹ A review of the American species of this genus was published by Allen in 1890 (Bull. Amer. mus. nat. hist., iii, pp. 45-116, June, 1890), but so many new forms have been described since then that the paper is no longer a fair presentation of the subject.

Eutamias alpinus (Merriam).

1893. *Tamias alpinus* MERRIAM, Proc. biol. soc. Washington, VIII, p. 137. December 28, 1893.

1897. *Eutamias alpinus* MERRIAM, Proc. biol. soc. Washington, XI, p. 191. July 1, 1897.

TYPE LOCALITY. — Big Cottonwood Meadows, just south of Mt. Whitney, Tulare County, California. Altitude, 10,000 feet.

Eutamias amoenus (Allen).

1890. *Tamias amoenus* ALLEN, Bull. Amer. mus. nat. hist., III, p. 90. June, 1890.

1897. *E[utamias] amoenus* MERRIAM, Proc. biol. soc. Washington, XI, p. 191. July 1, 1897.

TYPE LOCALITY. — Fort Klamath, Klamath County, Oregon.

Eutamias bulleri (Allen).

1889. *Tamias asiaticus bulleri* ALLEN, Bull. Amer. mus. nat. hist., II, p. 173. October 21, 1889.

TYPE LOCALITY. — Sierra de Valparaiso, State of Zacatecas, Mexico.

Eutamias callipeplus (Merriam).

1893. *Tamias callipeplus* MERRIAM, Proc. biol. soc. Washington, VIII, p. 136. December 28, 1893.

1897. *E[utamias] callipeplus* MERRIAM, Proc. biol. soc. Washington, XI, p. 191. July 1, 1897.

TYPE LOCALITY. — Mount Piños, Ventura County, California.

Eutamias caniceps Osgood.

1900. *Eutamias caniceps* OSGOOD, North Amer. fauna, no. 19, p. 28. October 6, 1900.

TYPE LOCALITY. — Lake Lebarge, Yukon, Canada.

Eutamias caurinus Merriam.

1898. *Eutamias caurinus* MERRIAM, Proc. acad. nat. sci. Phila., p. 352. October 4, 1898.

TYPE LOCALITY. — Timber-line, near head of Soleduc Riber, Olympic Mountains, Clallam County, Washington.

Eutamias cinereicollis (Allen).

1890. *Tamias cinereicollis* ALLEN, Bull. Amer. mus. nat. hist., III, p. 94, June, 1890.

TYPE LOCALITY. — San Francisco Mountain, Coconino County, Arizona.

*** Eutamias dorsalis** (Baird).

1855. *Tamias dorsalis* BAIRD, Proc. acad. nat. sci. Phila., VII, p. 332. April, 1855.

1885. *Tamias asiaticus dorsalis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 593. 1885.

1897. *E[utamias] dorsalis* MERRIAM, Proc. biol. soc. Washington, XI, p. 210. July 1, 1897.

TYPE LOCALITY. — Fort Webster, lat. 32° 47', long. 108° 4', Grant County, New Mexico.

Eutamias dorsalis utahensis Merriam.

1897. *Eutamias dorsalis utahensis* MERRIAM, Proc. biol. soc. Washington, XI, p. 210. July 1, 1897.

TYPE LOCALITY. — Ogden, Weber County, Utah.

Eutamias frater (Allen).

1890. *Tamias frater* ALLEN, Bull. Amer. mus. nat. hist., III, p. 88. June, 1890.

1897. *E[utamias] frater* MERRIAM, Proc. biol. soc. Washington, XI, p. 192. July 1, 1897.

TYPE LOCALITY. — Donner, Placer County, California.

Eutamias hindsi (Gray).

1842. *Tamias hindei* (typ. err. for *hindsi*) GRAY, Ann. and mag. nat. hist., x, p. 264. December, 1842.

1897. *E[utamias] hindsi* MERRIAM, Proc. biol. soc. Washington, XI, p. 194. July 1, 1897.

TYPE LOCALITY. — Near San Francisco, California.

Eutamias macrorhabdotes (Merriam).

1886. *Tamias macrorhabdotes* MERRIAM, Proc. biol. soc. Washington, III, p. 25. January 27, 1886.

TYPE LOCALITY. — Nicasio, Marin County, California.

Recognized as distinct by Allen (Bull. Amer. mus. nat. hist., III, p. 78, June, 1900), but regarded as identical with *E. quadrimaculatus* by Merriam (Proc. biol. soc. Washington, XI, p. 203, July 1, 1897).

Eutamias merriami (Allen).

1889. *Tamias asiaticus merriami* ALLEN, Bull. Amer. mus. nat. hist., II, p. 176. October 21, 1889.

1897. *E[utamias] merriami* MERRIAM, Proc. biol. soc. Washington, XI, p. 191. July 1, 1897.

TYPE LOCALITY.—San Bernardino Mountains, California.

* **Eutamias minimus** (Bachman).

1839. *Tamias minimus* BACHMAN, Journ. acad. nat. sci. Phila., VIII, pt. i, p. 71.

1885. *Tamias asiaticus pallidus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 593. 1885.

1890. *Tamias minimus* ALLEN, Bull. Amer. mus. nat. hist., III, p. 110. June, 1890.

TYPE LOCALITY.—Near Green River City, Wyoming (see Allen, Bull. Amer. mus. nat. hist., III, p. 112, June, 1890).

Eutamias minimus consobrinus (Allen).

1890. *Tamias minimus consobrinus* ALLEN, Bull. Amer. mus. nat. hist., III, p. 112. June, 1890.

TYPE LOCALITY.—Wahsatch foot-hills, near Salt Lake City, Utah.

Eutamias minimus melanurus (Merriam).

1890. *Tamias minimus melanurus* MERRIAM, North Amer. fauna, no. 4, p. 22. October 8, 1890.

TYPE LOCALITY.—West side of Snake River, near Blackfoot, Bingham County, Idaho.

Regarded by Merriam (N. Amer. fauna, no. 5, p. 46, July 30, 1891) as a moulting phase of *E. minimus pictus*.

Eutamias minimus pictus (Allen).

1890. *Tamias minimus pictus* ALLEN, Bull. Amer. mus. nat. hist., III, p. 115. June, 1890.

TYPE LOCALITY.—Kelton, Boxelder County, Utah.

Regarded by Merriam (Proc. biol. soc. Washington, XI, pp. 190, 191, 194, July 1, 1897) as a distinct species.

Eutamias obscurus (Allen).

1890. *Tamias obscurus* ALLEN, Bull. Amer. mus. nat. hist., III, p. 70. June, 1890.

TYPE LOCALITY.—San Pedro Martir Mountains, Lower California, Mexico.

Eutamias oreocetes Merriam.

1897. *Eutamias oreocetes* MERRIAM, Proc. biol. soc. Washington, XI, p. 207. July 1, 1897.

TYPE LOCALITY.—Near Summit, Teton Mountains, Teton County, Montana.

Eutamias palmeri Merriam.

1897. *Eutamias palmeri* MERRIAM, Proc. biol. soc. Washington, XI, p. 208. July 1, 1897.

TYPE LOCALITY.—Charleston Peak, Lincoln County, Nevada. Altitude, 8000 feet.

Eutamias panamintinus (Merriam).

1893. *Tamias panamintinus* MERRIAM, Proc. biol. soc. Washington, VIII, p. 134. December 28, 1893.

1897. *E[utamias] panamintinus* MERRIAM, Proc. biol. soc. Washington, XI, p. 191. July 1, 1897.

TYPE LOCALITY.—Johnson Canyon, Panamint Mountains, Inyo County, California.

Eutamias pricei (Allen).

1895. *Tamias pricei* ALLEN, Bull. Amer. mus. nat. hist., VII, p. 333. November 8, 1895.

TYPE LOCALITY.—Portola, San Mateo County, California.

Regarded by Merriam (Proc. biol. soc. Washington, XI, p. 197, July 1, 1897) as a form of *E. merriami* too slightly differentiated to require a name.

Eutamias quadrimaculatus (Gray).

1867. *Tamias quadrimaculatus* GRAY, Ann. and mag. nat. hist. 3d ser., XX, p. 435.

1897. *E[utamias] quadrimaculatus* Merriam, Proc. biol. soc. Washington, XI, p. 191. July 1, 1897.

TYPE LOCALITY.—Michigan Bluff, Placer County, California.

* **Eutamias quadrivittatus** (Say).

1823. *Sciurus quadrivittatus* SAY, Long's exped. to Rocky Mts., II, p. 45.

1885. *Tamias asiaticus quadrivittatus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 593. 1885.

TYPE LOCALITY.—“In Colorado, on the Arkansas River, near where it breaks through the foot-hills” (see Allen, Bull. Amer. mus. nat. hist., III, p. 98, June, 1890).

Eutamias quadrivittatus affinis (ALLEN).

1890. *Tamias quadrivittatus affinis* ALLEN, Bull. Amer. mus. nat. hist., III, p. 103. June, 1890.

TYPE LOCALITY. — Ashcroft, British Columbia, Canada.

Regarded by Merriam (Proc. biol. soc. Washington, XI, p. 208, July 1, 1897) as a distinct species.

*** Eutamias quadrivittatus borealis** (Allen).

1877. *Tamias asiaticus borealis* ALLEN, Monogr. N. Amer. rodentia, p. 793. August, 1877.

1885. *Tamias asiaticus borealis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 593. 1885.

TYPE LOCALITY. — Fort Liard, Mackenzie, Canada (see Allen, Bull. Amer. mus. nat. hist., III, p. 109, June, 1890).

Eutamias quadrivittatus felix (Rhoads).

1895. *Tamias quadrivittatus felix* RHOADS, Amer. nat., XXIX, p. 941. October, 1895.

TYPE LOCALITY. — Mount Baker Range, British Columbia, Canada. Altitude, 7000 feet.

Eutamias quadrivittatus gracilis (Allen).

1890. *Tamias quadrivittatus gracilis* ALLEN, Bull. Amer. mus. nat. hist., III, p. 99. June, 1890.

TYPE LOCALITY. — San Pedro, Socorro County, New Mexico.

Eutamias quadrivittatus luteiventris (Allen).

1890. *Tamias quadrivittatus luteiventris* ALLEN, Bull. Amer. mus. nat. hist., III, p. 101. June, 1890.

TYPE LOCALITY. — Chief Mountain Lake, northwestern Montana.

Eutamias quadrivittatus neglectus (Allen).

1890. *Tamias quadrivittatus neglectus* ALLEN, Bull. Amer. mus. nat. hist., III, p. 106. June, 1890.

TYPE LOCALITY. — Eastern shore of Lake Superior, Ontario, Canada.

Eutamias senex (Allen).

1890. *Tamias senex* ALLEN, Bull. Amer. mus. nat. hist., III, p. 83. June, 1890.

1897. *E[utamias] senex* MERRIAM, Proc. biol. soc. Washington, XI, p. 191. July 1, 1897.

TYPE LOCALITY. — Summit of Donner Pass, Placer County, California.

Eutamias speciosus (Merriam).

1890. *Tamias speciosus* MERRIAM, Bull. Amer. mus. nat. hist., III, p. 86. June, 1890.

1897. *E[utamias] speciosus* MERRIAM, Proc. biol. soc. Washington, XI, p. 191. July 1, 1897.

TYPE LOCALITY. — San Bernardino Mountains, San Bernardino County, California.

Eutamias speciosus inyoensis Merriam.

1897. *Eutamias speciosus inyoensis* MERRIAM, Proc. biol. soc. Washington, XI, p. 208. July 1, 1897.

TYPE LOCALITY. — White Mountains, Inyo County, California.

* **Eutamias townsendii** (Bachman).

1839. *Tamias townsendii* BACHMAN, Journ. acad. nat. sci. Phila., VIII, pt. I, p. 68.

1885. *Tamias asiaticus townsendii* TRUE, Proc. U. S. nat. mus., VII (1884), p. 593. 1885.

1897. *E[utamias] townsendii* MERRIAM, Proc. biol. soc. Washington, XI, p. 192. July 1, 1897.

TYPE LOCALITY. — Lower Columbia River, Oregon.

Eutamias townsendii ochrogenys Merriam.

1897. *Eutamias townsendii ochrogenys* MERRIAM, Proc. biol. soc. Washington, XI, pp. 195, 206. July 1, 1897.

TYPE LOCALITY. — Mendocino, Mendocino County, California.

Eutamias umbrinus (Allen).

1890. *Tamias umbrinus* ALLEN, Bull. Amer. mus. nat. hist., III, p. 96. June, 1890.

TYPE LOCALITY. — Uinta Mountains, south of Ft. Bridger, Sweetwater County, Wyoming.

Genus **SPERMOPHILUS** Cuvier.¹

1825. *Spermophilus* CUVIER, Dents des mamm., p. 160. Type.
— *Mus citellus* LINNÆUS.

* **Spermophilus annulatus** Audubon and Bachman.

1842. *Spermophilus annulatus* AUDUBON and BACHMAN,
Journ. acad. nat. sci. Phila., VIII, pt. II, p. 319.

1885. *Spermophilus annulatus* TRUE, Proc. U. S. nat. mus.,
VII (1884), p. 595. 1885.

TYPE LOCALITY.—Unknown; probably in western Mexico.

Spermophilus armatus Kennicott.

1863. *Spermophilus armatus* KENNICOTT, Proc. acad. nat. sci.
Phila., p. 158.

1891. *Spermophilus armatus* MERRIAM, North Amer. fauna,
no. 5, p. 38. July 30, 1891.

TYPE LOCALITY.—Foot-hills of the Uinta Mountains, near Fort
Bridger, Sweetwater County, Wyoming.

Spermophilus barrowensis Merriam.

1900. *Spermophilus barrowensis* MERRIAM, Proc. Washing-
ton acad. sci., II, p. 19. March 14, 1900.

TYPE LOCALITY.—Point Barrow, Alaska.

Spermophilus beldingi Merriam.

1888. *Spermophilus beldingi* MERRIAM, Ann. New York acad.
sci., IV, p. 317. December 28, 1888.

TYPE LOCALITY.—Donner, Placer County, California.

¹In this genus the following subgenera have been recently used: *Otospermophilus* BRANDT (Bull. class. phys.-math. de l'acad. imp. des sci. de St. Petersburg, II, p. 379 1849), for *S. grammurus* and its allies; *Ammospermophilus* MERRIAM (Proc. biol. soc. Washington, VII, p. 27, April 13, 1893), for *S. leucurus* (type) and related species; *Xerospermophilus* MERRIAM (Proc. biol. soc. Washington, VII, p. 27, April 13, 1893), for *S. mohavensis* (type) and the allied species of the *spilosoma* group; *Callospermophilus* MERRIAM (Proc. biol. soc. Washington, XI, p. 189, July 1, 1877), for *S. lateralis*; and *Ictidomys* ALLEN (Monogr. N. Amer. rodentia, p. 821, August, 1877), for *S. tridecemlineatus* (see Merriam, Science, n. s., II, p. 418, September 27, 1885). As but one attempt (Trouessart, Cat. mamm., pt. II, pp. 433-441, 1897), has been made to assign the various North American forms to their respective subgenera, and that probably without a study of the group, it seems best to arrange the species alphabetically.

Spermophilus beringensis MERRIAM.

1900. *Spermophilus beringensis* MERRIAM, Proc. Washington acad. sci., II, p. 20. March 14, 1900.

TYPE LOCALITY.—Cape Lisbourne (Coal Veins), Alaska.

Spermophilus bernardinus Merriam.

1893. *Spermophilus chrysodeirus brevicaudus* MERRIAM, Proc. biol. soc. Washington, VIII, p. 134. December 28, 1893. (not of Brandt, 1844).

1898. *Spermophilus (Callospermophilus) bernardinus* MERRIAM, Science, n. s., VIII, p. 782. December 2, 1898.

TYPE LOCALITY.—San Bernardino Peak, San Bernardino County, California.

Spermophilus canescens Merriam.

1890. *Spermophilus canescens* MERRIAM, N. Amer. fauna, no. 4, p. 38. October 8, 1890.

TYPE LOCALITY.—Wilcox, Cochise County, Arizona.

Spermophilus castaneus (Merriam).

1890. *Tamias castaneus* MERRIAM, N. Amer. fauna, no. 4, p. 19. October 8, 1890.

1892. [*Spermophilus*] *castaneus* MERRIAM Proc. biol. soc. Washington VII, p. 25. April 13, 1892.

TYPE LOCALITY.—Park City, Wahsatch Mountains, Summit County, Utah. Altitude, 7000 feet.

Spermophilus chrysodeirus (Merriam).

1890. *Tamias chrysodeirus* MERRIAM, N. Amer. fauna, no. 4, p. 19. October 8, 1890.

1893. *S[permophilus] chrysodeirus* MERRIAM, Proc. biol. soc. Washington, VIII, p. 134. December 28, 1893.

TYPE LOCALITY.—Fort Klamath, Klamath County, Oregon.

Spermophilus cinerascens (Merriam).

1890. *Tamias cinerascens* MERRIAM, N. Amer. fauna, no. 4, p. 20. October 8, 1890.

1892. *Spermophilus cinerascens* MERRIAM, Proc. biol. soc., Washington, VII, p. 25. April 13, 1892.

TYPE LOCALITY.—Helena, Lewis and Clarke County, Montana. Altitude, 4500 feet.

* **Spermophilus columbianus** (Ord).

1815. *Arctomys columbianus* ORD, Guthrie's geography, 2d Am. ed., II, p. 292. Described on page 303.

1885. *Spermophilus empetra erythroglutaeus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 594. 1885.

1891. *Spermophilus columbianus* MERRIAM, North Amer. fauna, no. 5, p. 39. July 30, 1891.

TYPE LOCALITY.—Camas prairie between the forks of the Clearwater and Kooskooskie, about forty miles from Moscow, Lincoln County, Washington (see Merriam, North Amer. fauna, no. 5, p. 41, July 30, 1891).

Spermophilus cryptospilotus Merriam.

1890. *Spermophilus cryptospilotus* MERRIAM, N. Amer. fauna, no. 3, p. 57. September 11, 1890.

TYPE LOCALITY.—Tenebito Wash, Painted Desert, Coconino County, Arizona.

* **Spermophilus elegans** Kennicott.

1863. *Spermophilus elegans* KENNICOTT, Proc. acad. nat. sci. Phila., p. 158.

1885. *Spermophilus richardsoni townsendi* TRUE, Proc. U. S. nat. mus., VII (1884), p. 594. 1885. (Not *S. townsendi* Bachman, 1839.)

1891. *Spermophilus elegans* MERRIAM, North Amer. fauna, no. 5, p. 39. July 30, 1891.

TYPE LOCALITY.—Fort Bridger, Sweetwater County, Wyoming.

* **Spermophilus empetra** (Pallas).

1778. *Mus empetra* PALLAS, Nov. sp. quadr. glir. ord., p. 74.

1877. *Spermophilus empetra* ALLEN, Monogr. N. Amer. rodentia, p. 839. August, 1877.

1885. *Spermophilus empetra empetra* TRUE, Proc. U. S. nat. mus., VII (1884), p. 594. 1885.

TYPE LOCALITY.—Banks of the Mackenzie River, Canada.

* **Spermophilus empetra kodiacensis** Allen.

1874. *Spermophilus parryi* var. *kodiacensis* ALLEN, Proc. Boston soc. nat. hist., XVI, p. 292.

1877. *Spermophilus empetra* var. *kodiacensis* ALLEN, Monogr. N. Amer. rodentia, p. 839. August, 1877.

1885. *Spermophilus empetra kodiacensis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 594. 1885.

TYPE LOCALITY. — Kadiak Island, Alaska.

***Spermophilus empetra phaeognathus* (Richardson).**

1829. *Arctomys parryi* var. *phaeognatha* RICHARDSON, Fauna Boreali-Americana, I, p. 161.

1898. *Spermophilus empetra phaeognathus* ALLEN, Bull. Amer. mus. nat. hist., x, p. 454. November 10, 1898.

TYPE LOCALITY. — Hudson Bay.

***Spermophilus empetra plesius* Osgood.**

1900. *Spermophilus empetra plesius* OSGOOD, North Amer. fauna, no. 19, p. 29. October 6, 1900.

TYPE LOCALITY. — Bennett City, head of Lake Bennett, British Columbia, Canada.

* ***Spermophilus franklinii* (Sabine).**

1822. *Arctomys franklinii* SABINE, Trans. Linn. soc., XIII, p. 587.

1827. *Spermophilus franklini* LESSON, Man. de mammalogie, p. 244.

1885. *Spermophilus franklini* TRUE, Proc. U. S. nat. mus., VII (1884), p. 594. 1885.

TYPE LOCALITY. — Vicinity of Cumberland House, Saskatchewan, Canada.

* ***Spermophilus grammurus* (Say).**

1823. *S[ciurus] grammurus* SAY, Long's exped. Rocky Mountains, II, p. 72.

1844. *Spermophilus grammurus* BRANDT, Bull. acad. imp. sci., St. Petersburg, II, p. 380.

1885. *Spermophilus grammurus grammurus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 594. 1885.

TYPE LOCALITY. — In Colorado, on the Arkansas River, at its exit from the Rocky Mountains.

***Spermophilus grammurus atricapillus* Bryant.**

1889. *Spermophilus grammurus atricapillus* BRYANT, Proc. California acad. sci., 2d ser., II, p. 26. June 20, 1889.

TYPE LOCALITY. — Comondu, Lower California, Mexico.

***Spermophilus grammurus beecheyi** (Richardson).

1829. *Arctomys (Spermophilus) beecheyi* RICHARDSON, Fauna Boreali-Americana, 1, p. 170.

1874. *Spermophilus grammurus* var. *beecheyi* ALLEN, Proc. Boston soc. nat. hist., xvi, p. 293.

1885. *Spermophilus grammurus beecheyi* TRUE, Proc. U. S. nat. mus., VII (1884), p. 594. 1885.

TYPE LOCALITY.—“Neighborhood of San Francisco and Monterey, California.”

Regarded by Merriam (Proc. biol. soc. Washington, VIII, p. 133, December 28, 1893) as a distinct species.

Spermophilus grammurus buckleyi (Slack).

1861. *Spermophilus buckleyi* SLACK, Proc. acad. nat. sci. Phila., p. 314.

1896. *Spermophilus grammurus buckleyi* ALLEN, Bull. Amer. mus. nat. hist., VIII, p. 67. April 22, 1896.

TYPE LOCALITY.—Packsaddle Mountain, Llano County, Texas.

Spermophilus grammurus couchii (Baird).

1855. *Spermophilus couchii* BAIRD, Proc. acad. nat. sci. Phila., p. 332.

1896. *S[permophilus] grammurus couchii* ALLEN, Bull. Amer. mus. nat. hist., VIII, p. 68. April 22, 1896.

TYPE LOCALITY.—Santa Catarina, State of Nueva Leon, Mexico.

***Spermophilus grammurus douglasii** (Richardson).

1829. *Arctomys (Spermophilus) douglasii* RICHARDSON, Fauna Boreali-Americana, 1, p. 172.

1874. *Spermophilus grammurus* var. *douglassi* ALLEN, Proc. Boston soc. nat. hist., xvi, p. 293.

1885. *Spermophilus grammurus douglassi* TRUE, Proc. U. S. nat. mus., VII (1884), p. 594. 1885.

TYPE LOCALITY.—Banks of the Columbia River, Oregon.

Spermophilus grammurus fisheri (Merriam).

1893. *Spermophilus beecheyi fisheri* MERRIAM, Proc. biol. soc. Washington, VIII, p. 133. December 28, 1893.

1894. *Spermophilus grammurus fisheri* ALLEN, Abstract proc. Linn. soc. New York, 1893-1894, p. 41. July 20, 1894.

TYPE LOCALITY.—Kern Valley, twenty-five miles above Kernville, Tulare County, California.

* **Spermophilus harrisi** Audubon and Bachman.

1854. *Spermophilus harrisi* AUDUBON and BACHMAN, *Quadr. N. Amer.*, III, p. 267.

1885. *Tamias harrisi* TRUE, *Proc. U. S. nat. mus.*, VII (1884), p. 594. 1885.

TYPE LOCALITY. — Unknown (see Merriam, *North Amer. fauna*, no. 2, pp. 19–20, October 30, 1889).

Spermophilus harrisi saxicola Mearns.

1896. *Spermophilus harrisi saxicolus* MEARN'S, *Preliminary diagnoses of new mammals from the Mexican border of the United States*, p. 2. March 25, 1896. (Reprint: *Proc. U. S. nat. mus.*, XVIII, p. 444. May 23, 1896.)

TYPE LOCALITY. — Tinajas Altas, Gila Mountains, Yuma County, Arizona.

Spermophilus interpres (Merriam).

1890. *Tamias interpres* MERRIAM, *North Amer. fauna*, no. 4, p. 21. October 8, 1890.

1892. *Spermophilus interpres* BRYANT, *Zoe*, III, p. 208. October, 1892.

TYPE LOCALITY. — El Paso, El Paso County, Texas.

* **Spermophilus lateralis** (Say).

1823. *S[ciurus] lateralis* SAY, *Long's exped. Rocky Mountains*, II, p. 46.

1843. *Sp[ermophilus] lateralis* WAGNER, *Schreber's Säugthiere*, *Suppl.*, III, p. 252.

1885. *Tamias lateralis* TRUE, *Proc. U. S. nat. mus.*, VII (1884), p. 593. 1885.

TYPE LOCALITY. — Near the source of the Arkansas River, Colorado.

Spermophilus lateralis saturatus (Rhoads).

1895. *Tamias lateralis saturatus* RHOADS, *Proc. acad. nat. sci. Phila.*, p. 43. April 9, 1895.

TYPE LOCALITY. — Lake Kichelos, Kittitas County, Washington.

Spermophilus leucurus (Merriam).

1889. *Tamias leucurus* MERRIAM, *North Amer. fauna*, no. 2, p. 20. October 30, 1889.

1892. *Spermophilus leucurus* MERRIAM, *Proc. biol. soc. Washington*, VII, p. 27. April 13, 1892.

TYPE LOCALITY.—San Gorgonio Pass, Riverside County, California.

Spermophilus leucurus cinnamomeus (Merriam).

1890. *Tamias leucurus cinnamomeus* MERRIAM, North Amer. fauna, no. 3, p. 52. September 11, 1890.

1892. *Spermophilus leucurus cinnamomeus* BRYANT, Zoe, III, p. 208. October, 1892.

TYPE LOCALITY.—Echo Cliffs, Painted Desert, Coconino County, Arizona.

Spermophilus leucurus peninsulae (Allen).

1893. *Tamias leucurus peninsulae* ALLEN, Bull. Amer. mus. nat. hist., v, p. 197. August 18, 1893.

1897. [*Spermophilus*] *leucurus peninsulae* TROUËSSART, Catal. mamm., pt. II, p. 434.

TYPE LOCALITY.—San Telmo, Lower California, Mexico.

***Spermophilus mexicanus** (Erxleben).

1777. [*Sciurus*] *mexicanus* ERXLEBEN, Syst. regni anim., I, p. 428.

1843. *Spermophilus mexicanus* WAGNER, Schreber's Säugthiere, Suppl., III, p. 250.

1885. *S[permophilus] mexicanus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 594. 1885.

TYPE LOCALITY.—South-central Mexico.¹

Spermophilus mexicanus parvidens Mearns.

1896. *Spermophilus mexicanus parvidens* MEARNS, Preliminary diagnoses of new mammals from the Mexican border of the United States, p. 1. March 25, 1896. (Reprint: Proc. U. S. nat. mus., XVIII, p. 443. May 23, 1896.)

TYPE LOCALITY.—Fort Clark, Kinney County, Texas.

Spermophilus mohavensis Merriam.

1889. *Spermophilus mohavensis* MERRIAM, North Amer. fauna, no. 2, p. 15. October 30, 1889.

TYPE LOCALITY.—Mohave River, San Bernardino County, California.

¹ The name *Sciurus mexicanus* was restricted by Lichtenstein (Darstellung neuer oder wenig bekannter Säugethiere, text accompanying pl. xxxi, 1827-1834) to the animal occurring at Toluca, Mexico. See Mearns, Proc. U. S. nat. mus., XVIII, p. 443, May 23, 1896.

Spermophilus mollis Kennicott.

1863. *Spermophilus mollis* KENNICOTT, Proc. acad. nat. sci. Phila., p. 158.

1885. *Spermophilus mollis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 594. 1885.

TYPE LOCALITY.—Camp Floyd, near Fairfield, Wasatch County, Utah.

Spermophilus mollis canus Merriam.

1898. *Spermophilus mollis canus* MERRIAM, Proc. biol. soc. Washington, XII, p. 70. March 24, 1898.

TYPE LOCALITY.—Antelope, Wasco County, Oregon.

Spermophilus mollis stephensi Merriam.

1898. *Spermophilus mollis stephensi* MERRIAM, Proc. biol. soc. Washington, XII, p. 69. March 24, 1898.

TYPE LOCALITY.—Queen Station, near head of Owen's Valley, Esmeralda County, Nevada.

Spermophilus mollis yakimensis Merriam.

1898. *Spermophilus mollis yakimensis* MERRIAM, Proc. biol. soc. Washington, XII, p. 70. March 24, 1898.

TYPE LOCALITY.—Mabton, Yakima County, Washington.

Spermophilus neglectus Merriam.

1889. *Spermophilus neglectus* MERRIAM, North Amer. fauna, no. 2, p. 17. October 30, 1889.

TYPE LOCALITY.—Dolan's Spring, Mohave County, Arizona.

Spermophilus nelsoni Merriam.

1893. *Spermophilus nelsoni*, MERRIAM, Proc. biol. soc. Washington, VIII, p. 129. December 28, 1893.

TYPE LOCALITY.—Tipton, San Joaquin Valley, Tulare County, California.

***Spermophilus obsoletus** Kennicott.

1863. *Spermophilus obsoletus* KENNICOTT, Proc. acad. nat. sci. Phila., p. 157.

1885. *Spermophilus obsoletus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 594. 1885.

TYPE LOCALITY.—Extreme western Nebraska.

Spermophilus oregonus Merriam.

1898. *Spermophilus oregonus* MERRIAM, Proc. biol. soc. Washington, XII, p. 69. March 24, 1898.

TYPE LOCALITY.—Swan Lake Valley, Klamath Basin, Oregon.

Spermophilus osgoodi Merriam.

1900. *Spermophilus osgoodi* MERRIAM, Proc. Washington acad. sci., II, p. 18. March 14, 1900.

TYPE LOCALITY.—Fort Yukon, Alaska.

Spermophilus perotensis Merriam.

1893. *Spermophilus perotensis* MERRIAM, Proc. biol. soc. Washington, VIII, p. 131. December 28, 1893.

TYPE LOCALITY.—Perote, State of Vera Cruz, Mexico.

* **Spermophilus richardsonii** (Sabine).

1822. *Arctomys richardsonii* SABINE, Trans. Linn. soc., XIII, p. 589.

1845. *Spermophilus richardsonii* AUDUBON and BACHMAN, Quadr. N. Amer., I, p. 377.

1885. *Spermophilus richardsoni richardsoni* TRUE, Proc., U. S. nat. mus., VII (1884), p. 594. 1885.

TYPE LOCALITY.—Carlton House, Saskatchewan, Canada.

Spermophilus sonoriensis Ward.

1891. *Spermophilus sonoriensis* WARD, Amer. nat., XXV, p. 158. February, 1891.

TYPE LOCALITY.—Hermosillo, State of Sonora, Mexico.

Regarded by Merriam (Science, n. s., VII, p. 32, January 7, 1898) as a race of *S. tereticaudus*.

* **Spermophilus spilosoma** Bennett.

1833. *Spermophilus spilosoma* BENNETT, Proc. zool. soc. London, p. 40.

1885. *Spermophilus spilosoma* TRUE, Proc. U. S. nat. mus., VII (1884), p. 594. 1885.

TYPE LOCALITY.—“That part of California that adjoins Mexico.” Name restricted by Merriam (North Amer. fauna, no. 4, p. 37, October 8, 1890) to the animal occurring in northern Mexico and extreme western Texas.

Spermophilus spilosoma annectens Merriam.

1893. *Spermophilus spilosoma annectens* MERRIAM, Proc. biol. soc. Washington, VIII, p. 132. December 28, 1893.

TYPE LOCALITY. — Padre Island, Cameron County, Texas.

Spermophilus spilosoma macrospilotus Merriam.

1890. *Spermophilus spilosoma macrospilotus* MERRIAM, North Amer. fauna, no. 4, p. 38. October 8, 1890.

TYPE LOCALITY. —Oracle, Pinal County, Arizona.

Spermophilus spilosoma major Merriam.

1890. *Spermophilus spilosoma major* MERRIAM, North Amer. fauna, no. 4, p. 39. October 8, 1890.

TYPE LOCALITY.—Albuquerque, Bernalillo County, New Mexico.

Spermophilus spilosoma obsidianus Merriam.

1890. *Spermophilus spilosoma obsidianus* MERRIAM, North Amer. fauna, no. 3, p. 56. September 11, 1890.

TYPE LOCALITY. — Cedar belt, northeast of San Francisco Mountain, Coconino County, Arizona.

Spermophilus spilosoma pratensis Merriam.

1890. *Spermophilus spilosoma pratensis* MERRIAM, North Amer. fauna, no. 3, p. 55. September 11, 1890.

TYPE LOCALITY.—Pine plateau at north foot of San Francisco Mountain, Coconino County, Arizona.

* **Spermophilus tereticaudus** Baird.

1857. *Spermophilus tereticaudus* BAIRD, Mam. N. Amer., p. 315.

1885. *Spermophilus tereticaudus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 594. 1885.

TYPE LOCALITY. — Old Fort Yuma, San Diego County, California.

Spermophilus townsendii Bachman.

1839. *Spermophilus townsendii* BACHMAN, Journ. acad. nat. sci. Phila., VIII, p. 61.

1891. *Spermophilus townsendi* MERRIAM, North Amer. fauna, no. 5, p. 36. July 30, 1891.

TYPE LOCALITY.—Walla Walla, Walla Walla County, Washington.

* **Spermophilus tridecemlineatus** (Mitchill).

1821. *Sciurus tridecem-lineatus* MITCHILL, Med. repos., n. s., VI, (XXI), p. 248.

1849. *Spermophilus tridecemlineatus* AUDUBON and BACHMAN, Quadr. N. Amer., I, p. 294.

1885. *Spermophilus tridecimlineatus tridecimlineatus* TRUE,
Proc. U. S. nat. mus., VII (1884), p. 594. 1885.

TYPE LOCALITY. — Central Minnesota (see Allen, Bull. Amer.
mus. nat. hist., VII, p. 338, November 8, 1895).

Spermophilus tridecemlineatus alleni Merriam.

1898. *Spermophilus tridecemlineatus alleni* MERRIAM, Proc.
biol. soc. Washington, XII, p. 71. March 24, 1898.

TYPE LOCALITY. — Bighorn Mountains, Wyoming.

Spermophilus tridecemlineatus badius Bangs.

1899. *Spermophilus tridecemlineatus badius* BANGS, Proc.
New England zool. club, I, p. 1. February 8, 1899.

TYPE LOCALITY. — Stotesbury, Vernon County, Missouri.

Spermophilus tridecemlineatus olivaceus Allen.

1895. *Spermophilus tridecemlineatus olivaceus* ALLEN, Bull.
Amer. mus. nat. hist., VII, p. 337. November 8, 1895.

TYPE LOCALITY. — Custer, Black Hills, South Dakota.

* **Spermophilus tridecemlineatus pallidus** Allen.

1877. [*Spermophilus tridecemlineatus*] var. *pallidus* ALLEN,
Monogr. N. Amer. rodentia, p. 872. August, 1877.

1885. *Spermophilus tridecimlineatus pallidus* TRUE, Proc.
U. S. nat. mus., VII (1884), p. 594. 1885.

TYPE LOCALITY. — Plains of the Lower Yellowstone River
(see Allen, Bull. Amer. mus. nat. hist., VII, p. 338, No-
vember 8, 1895).

Spermophilus tridecemlineatus parvus Allen.

1895. *Spermophilus tridecemlineatus parvus* ALLEN, Bull.
Amer. mus. nat. hist., VII, p. 337. November 8, 1895.

TYPE LOCALITY. — Uncompahgre Indian Reservation, north-
eastern Utah.

Spermophilus tridecemlineatus texensis Merriam.

1898. *Spermophilus tridecemlineatus texensis* MERRIAM,
Proc. biol. soc. Washington, XII, p. 71. March 24, 1898.

TYPE LOCALITY. — Gainesville, Cooke County, Texas.

Spermophilus variegatus (Erxleben).

1777. [*Sciurus*] *variegatus* ERXLEBEN, Syst. regni anim., I,
p. 421.

1898. *Spermophilus variegatus* NELSON, Science, n. s., VIII, p. 898. December 23, 1898.

TYPE LOCALITY.—South-central Mexico.

Spermophilus wortmani (Allen).

1895. *Tamias wortmani* ALLEN, Bull. Amer. mus. nat. hist., VII, p. 335. November 8, 1895.

TYPE LOCALITY.—Kinney Ranch, Bitter Creek, Sweetwater County, Wyoming.

Genus **CYNOMYS** Rafinesque.

1817. *Cynomys* RAFINESQUE, Amer. monthly magazine, II, p. 45. November, 1817. Type.—The Barking Squirrel of Lewis and Clark = *Arctomys ludovicianus* ORD.

Cynomys arizonensis Mearns.

1890. *Cynomys arizonensis* MEARNS, Bull. Amer. mus. nat. hist., II, p. 305. February 21, 1890.

TYPE LOCALITY.—Point of Mountain, near Wilcox, Cochise County, Arizona.

* **Cynomys gunnisoni** Baird.

1855. *Spermophilus gunnisoni* BAIRD, Proc. acad. nat. sci. Phila., VII, p. 334. April, 1855.

1857. *Cynomys gunnisoni* BAIRD, Mamm. N. Amer., p. 335.

1885. *Cynomys columbianus* TRUE, Proc. U. S. nat. mus., VII (1884) p. 593. 1885.

1890. *Cynomys gunnisoni* MERRIAM, North Amer. fauna, no. 3, p. 58. September 11, 1890.

1891. *Cynomys gunnisoni* MERRIAM, North Amer. fauna, no. 5, p. 40. July 30, 1891.

TYPE LOCALITY.—Cochetopa Pass, Saguache County, Colorado.

Cynomys leucurus Merriam.

1890. *Cynomys leucurus* MERRIAM, North Amer. fauna, no. 4, p. 33. October 8, 1890.

TYPE LOCALITY.—Fort Bridger, Sweetwater County, Wyoming.

According to Allen (Bull. Amer. mus. nat. hist., x, pp. 455-456, November 10, 1898) this should stand as *Cynomys lewisii* (*Arctomys lewisii* AUDUBON and BACHMAN, Quadr. N. Amer., III, p. 32, 1853, type locality, 'Oregon').

* **Cynomys ludovicianus** (Ord).

1815. *Arctomys ludovicianus* ORD, Guthrie's geography, 2d Amer. ed., II, p. 292. Description on page 302.

1857. *Cynomys ludovicianus* BAIRD, Mamm. N. Amer., p. 331.

1885. *Cynomys ludovicianus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 593. 1885.

TYPE LOCALITY. — "Missouri and throughout Louisiana."

Cynomys mexicanus Merriam.

1892. *Cynomys mexicanus* MERRIAM, Proc. biol. soc. Washington, VII, p. 157. July 27, 1892.

TYPE LOCALITY. — La Ventura, State of Coahuila, Mexico.

Genus **ARCTOMYS** Schreber.¹

1780. *Arctomys*, SCHREBER, Säugthiere, IV, pls. CCVII-CCXI. Included the species *marmota*, *monax*, *bobac*, *empetra* and *citillus*.

Arctomys dacota Merriam.

1889. *Arctomys dacota* MERRIAM, North Amer. fauna, no. 2, p. 8. October 30, 1889.

TYPE LOCALITY. — Custer, Black Hills, South Dakota.

* **Arctomys flaviventer** Audubon and Bachman.

1841. *Arctomys flaviventer* AUDUBON and BACHMAN, Proc. acad. nat. sci. Phila., p. 99.

1885. *Arctomys flaviventer* TRUE, Proc. U. S. nat. mus., VII (1884), p. 593. 1885.

TYPE LOCALITY. — "Mountains between Texas and California."

¹Palmer has suggested (Science, n. s., VI, p. 105, July 16, 1897) that this name may eventually be displaced by *Marmota* Blumenbach, 1779 (Handb. d. Naturgeschichte).

Arctomys flaviventer avarus Bangs.

1899. *Arctomys flaviventer avarus* BANGS, Proc. New England zool. club, I, p. 68. July 31, 1899.

TYPE LOCALITY. — Okanagan, British Columbia, Canada.

Arctomys ignavus Bangs.

1899. *Arctomys ignavus* BANGS, Proc. New England zool. club, I, p. 13. February 28, 1899.

TYPE LOCALITY. — Black Bay, Straits of Belle Isle, Labrador.

*** Arctomys monax** (Linnaeus).

1758. [*Mus*] *monax* LINNAEUS, Syst. nat., x ed., I, p. 60.

1780. *Arctomys monax* SCHREBER, Säugthiere, IV, pl. CCVIII.

1885. *Arctomys monax* TRUE, Proc. U. S. nat. mus., VII (1884), p. 593. 1885.

TYPE LOCALITY. — Maryland.

Arctomys monax canadensis (Erxleben).

1777. [*Glis*] *canadensis* ERXLEBEN, Syst. regni anim., I, p. 363.

1898. *Arctomys monax canadensis* ALLEN, Bull. Amer. mus. nat. hist., X, p. 456. November 10, 1898.

TYPE LOCALITY. — Hudson Bay.

Arctomys olympus Merriam.

1898. *Arctomys olympus* MERRIAM, Proc. acad. nat. sci. Phila., p. 352. October 4, 1898.

TYPE LOCALITY. — Timber-line at head of Soleduc River, Olympic Mountains, Clallam County, Washington.

*** Arctomys pruinosus** Gmelin.

1788. [*Arctomys*] *pruinosa* GMELIN, Syst. nat., I, p. 144.

1885. *Arctomys pruinosus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 593. 1885.

TYPE LOCALITY. — Northern North America.

Genus **SCIUROPTERUS** F. Cuvier.¹

1825. *Sciuropterus* F. CUVIER, Dents du mammifères, p. 255 (description, pp. 161–162). Type. — *Sciurus volans* LINNAEUS.

***Sciuropterus alpinus** (Richardson).

1828. *Pteromys alpinus* RICHARDSON, Zool. journ., III, p. 519.

1885. *Sciuropterus volucella hudsonius* TRUE, Proc. U. S. nat. mus., VII (1884), p. 596. 1885. (Part.)

1897. *Sciuropterus alpinus* RHOADS, Proc. acad. nat. sci. Phila., p. 319. June, 1897.

TYPE LOCALITY. — Rocky Mountains, at the sources of the Athabaska and Peace Rivers, Alberta, Canada.

Sciuropterus alpinus fuliginosus Rhoads.

1897. *Sciuropterus alpinus fuliginosus* RHOADS, Proc. acad. nat. sci. Phila., p. 321. June, 1897.

TYPE LOCALITY. — Cascade Mountains, near Martin Station, Kittitass County, Washington.

Sciuropterus alpinus lascivus Bangs.

1899. *Sciuropterus alpinus lascivus* BANGS, Proc. New England zool. club., I, p. 69. July 31, 1900.

TYPE LOCALITY. — Tallac, El Dorado County, California.

Sciuropterus alpinus olympicus Elliot.

1899. *Sciuropterus alpinus olympicus* ELLIOT, Field Columbian mus. publ., I, p. 225. February 1, 1899.

TYPE LOCALITY. — Happy Lake, Clallam County, Washington.

Sciuropterus alpinus klamathensis Merriam.

1897. *Sciuropterus alpinus klamathensis* MERRIAM, Proc. biol. soc. Washington, XI, p. 225. July 15, 1897.

TYPE LOCALITY. — Fort Klamath, Klamath County, Oregon. Altitude, 4200 feet.

¹Eastern forms revised by Bangs (Proc. biol. soc. Washington, x, pp. 162–166, December 28, 1896), Western by Rhoads (Proc. acad. nat. sci. Phila., 1897, pp. 314–327, June, 1897). The species are here necessarily arranged alphabetically.

Sciuropterus alpinus californicus Rhoads.

1897. *Sciuropterus alpinus californicus* RHOADS, Proc. acad. nat. sci. Phila., p. 323. June, 1897.

TYPE LOCALITY. — San Bernardino Mountains, California.

Sciuropterus alpinus oregonensis (Bachman).

1839. *Pteromys oregonensis* BACHMAN, Journ. acad. nat. sci. Phila., VIII, p. 101.

1897. *Sciuropterus alpinus oregonensis* RHOADS, Proc. acad. nat. sci. Phila., p. 324. June, 1897.

TYPE LOCALITY. — Pine woods of the Columbia, near the sea. Probably near St. Helen, Columbia County, Oregon (see Rhoads, Proc. acad. nat. sci. Phila., 1897, p. 324).

Regarded by Merriam (Proc. biol. soc. Washington, XIII, p. 151, June 13, 1900) as a distinct species.

Sciuropterus alpinus stephensi (Merriam).

1900. *Sciuropterus oregonensis stephensi* MERRIAM, Proc. biol. soc. Washington, XIII, p. 151. June 13, 1900.

TYPE LOCALITY. — Sherwood, Mendocino County, California. Altitude, 2500 feet.

Sciuropterus alpinus bangsi Rhoads.

1897. *Sciuropterus alpinus bangsi*, RHOADS, Proc. acad. nat. sci. Phila., p. 321. June, 1897.

TYPE LOCALITY. — Idaho County, Idaho.

Sciuropterus sabrinus (Shaw).

1801. *Sciurus sabrinus* SHAW, Gen. zool., II, p. 157.

1896. *Sciuropterus sabrinus* BANGS, Proc. biol. soc. Washington, X, p. 162. December 28, 1896.

TYPE LOCALITY. — Severn River, Keewatin, Canada.

Sciuropterus sabrinus macrotis Mearns.

1898. *Sciuropterus sabrinus macrotis* MEARNS, Proc. U. S. nat. mus., XXI, p. 353. November 4, 1898.

TYPE LOCALITY. — Hunter Mountain, Catskill Mountains, Greene County, New York.

Sciuropterus sabrinus makkovikensis Sornborger.

1900. *Sciuropterus sabrinus makkovikensis* SORNBORGER, Ottawa naturalist, XIV, p. 48. June 6, 1900.

TYPE LOCALITY. — Makkovik, Labrador.

Sciuropterus silus Bangs.

1896. *Sciuropterus silus* BANGS, Proc. biol. soc. Washington, x, p. 163. December 28, 1896.

TYPE LOCALITY. — Top of Katis Mountain, near White Sulphur Springs, Greenbrier County, West Virginia.

Sciuropterus yukonensis Osgood.

1900. *Sciuropterus yukonensis* OSGOOD, North Amer. fauna, no. 19, p. 25. October 6, 1900.

TYPE LOCALITY. — Camp Davidson, Yukon River, near Alaska-Canada boundary, Yukon, Canada.

* **Sciuropterus volans** (Linnaeus).

1758. [*Mus*] *volans* LINNAEUS, Syst. nat., x ed., i, p. 63.

1885. *Sciuropterus volucella volucella* TRUE, Proc. U. S. nat. mus., VII (1884), p. 596. 1885. (Part.)

1890. *S[ciuropterus] volans* JORDAN, Manual of the vertebrate animals of the northern United States, 5th ed., p. 321.

TYPE LOCALITY. — Virginia (see Bangs, Proc. biol. soc. Washington, x, p. 165, December 28, 1896).

Sciuropterus volans querceti Bangs.

1896. *Sciuropterus volans querceti* BANGS, Proc. biol. soc. Washington, x, p. 166. December 28, 1896.

TYPE LOCALITY. — Citronelle, Citrus County, Florida.

Family **CASTORIDAE**.Genus **CASTOR** Linnaeus.

1758. *Castor* LINNAEUS, Syst. nat., x ed., i, p. 58. Type. — *Castor fiber* LINNAEUS.

* **Castor canadensis** Kuhl.¹

1820. *Castor canadensis* KUHL, Beiträge z. Zoologie, p. 64.

¹ Reviewed by Rhoads in Trans. Amer. phil. soc., n. s., XIX, pp. 417-439, September, 1898.

1885. *Castor fiber* TRUE, Proc. U. S. nat. mus., VII (1884), p. 596. 1885.

TYPE LOCALITY. — Hudson Bay.

Castor canadensis carolinensis Rhoads.

1898. *Castor canadensis carolinensis* RHOADS, Trans. Amer. philos. soc., n. s., XIX, p. 420. September, 1898.

TYPE LOCALITY. — Dan River, near Danbury, Stokes County, North Carolina.

Castor canadensis frondator Mearns.

1897. *Castor canadensis frondator* MEARNS, Preliminary diagnoses of new mammals of the genera Sciurus, Castor, Neotoma and Sigmodon, from the Mexican border of the United States, p. 2. March 5, 1897. (Reprint: Proc. U. S. nat. mus., XX, p. 503. January 19, 1898.)

TYPE LOCALITY. — San Pedro River, State of Sonora, Mexico, near monument no. 98 of the Mexican boundary line.

Castor canadensis pacificus Rhoads.

1898. *Castor canadensis pacificus* RHOADS, Trans. Amer. philos. soc., n. s., XIX, p. 422. September, 1898.

TYPE LOCALITY. — Lake Kichelos, Cascade Mountains, Kittitass County, Washington.

Family **APLODONTIIDAE**.

Genus **APLODONTIA** Richardson.

1829. *Aplodontia* RICHARDSON, Zool. journ., IV, p. 334. January, 1829. Type. — *Aplodontia leporina* RICHARDSON = *Anisonyx rufa* RAFINESQUE.

Aplodontia major Merriam.

1886. *Aplodontia major* MERRIAM, Ann. New York acad. sci., III, p. 316. May, 1886.

TYPE LOCALITY. — Sierra Nevada Mountains, Placer County, California.

Aplodontia major rainieri Merriam.

1899. *Aplodontia major rainieri* MERRIAM, Proc. biol. soc. Washington, XIII, p. 21. January 31, 1899.

TYPE LOCALITY. — Paradise Creek, south side of Mt. Rainier, Lewis County, Washington. Altitude, 5200 feet.

Aplodontia olympica Merriam.

1899. *Aplodontia olympica* MERRIAM, Proc. biol. soc. Washington, XIII, p. 20. January 31, 1899.

TYPE LOCALITY. — Queniult Lake, Chehalis County, Washington.

Aplodontia pacifica Merriam.

1899. *Aplodontia pacifica* MERRIAM, Proc. biol. soc. Washington, XIII, p. 19. January 31, 1899.

TYPE LOCALITY. — Newport, mouth of Yaquina Bay, Lincoln County, Oregon.

Aplodontia phaea Merriam.

1899. *Aplodontia phaea* MERRIAM, Proc. biol. soc. Washington, XIII, p. 20. January 31, 1899.

TYPE LOCALITY. — Point Reyes, Marin County, California.

* **Aplodontia rufa** (Rafinesque).

1817. *Anisonyx? rufa* RAFINESQUE, Amer. monthly magazine, II, p. 45. November, 1817.

1885. *Haplodon rufus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 596. 1885.

1886. *Aplodontia rufa* MERRIAM, Ann. New York acad. sci., III, p. 316. May, 1886.

TYPE LOCALITY. — Neighborhood of the Columbia River, Oregon.

Family **MURIDAE**.Subfamily **MURINAE**.Genus **MUS** Linnaeus.

1758. *Mus* LINNAEUS, Syst. nat., x ed., 1, p. 59. Name at present restricted to genus including the species *musculus* and *rattus*.

Mus alexandrinus Geoffroy.

1818. *Mus alexandrinus* GEOFFROY, Description de l'Egypte, mammifères, p. 733.

Regarded by Yerbury and Thomas (Proc. zool. soc. London, 1895, p. 553) as a form of *Mus rattus*.

TYPE LOCALITY. — Alexandria, Egypt.

Mus musculus Linnaeus.

1758. [*Mus*] *musculus* LINNAEUS, Syst. nat., x ed., 1, p. 62.

TYPE LOCALITY. — Sweden.

Mus musculus jalapae Allen and Chapman.

1897. *Mus musculus jalapae* ALLEN and CHAPMAN, Bull. Amer. mus. nat. hist., ix, p. 198. June 16, 1897.

TYPE LOCALITY. — Jalapa, State of Vera Cruz, Mexico.

Mus norvegicus Erxleben.

1777. [*Mus*] *norvegicus* ERXLEBEN, Syst. regni anim., 1, p. 381.

TYPE LOCALITY. — Norway.

Usually known as *Mus decumanus* (Pallas, nov. sp. quadr. glir. ord., p. 91, 1778). For change see Rehn, Proc. biol. soc. Washington, xiii, p. 167, October 31, 1900.

Mus rattus Linnaeus.

1758. [*Mus*] *rattus* LINNAEUS, Syst. nat., x ed., 1, p. 61.

TYPE LOCALITY. — Sweden.

Subfamily **CRICETINAE**.Genus **ONYCHOMYS** Baird.

1857. *Onychomys* BAIRD, Mamm. N. Amer., p. 458. Type.—
Hypudaeus leucogaster WIED.

Onychomys arcticeps Rhoads.

1898. *Onychomys arcticeps* RHOADS, Proc. acad. nat. sci. Phila., p. 194. May 3, 1898.

TYPE LOCALITY. — Clapham, Union County, New Mexico.

Onychomys fuliginosus Merriam.

1890. *Onychomys fuliginosus* MERRIAM, North Amer. fauna, no. 3, p. 60. September 11, 1890.

TYPE LOCALITY. — Black Tank lava beds, northeast of San Francisco Mountain, Coconino County, Arizona.

* **Onychomys leucogaster** (Wied).

1841. *Hypudaeus leucogaster* WIED, Reise in das innere Nord Amerika, II, p. 99.

1857. *Onychomys leucogaster* BAIRD, Mamm. N. Amer., p. 459.

1885. *Hesperomys leucogaster* TRUE, Proc. U. S. nat. mus., VII (1884), p. 597. 1885.

TYPE LOCALITY. — Clark, Clark County, South Dakota.

Onychomys leucogaster brevicaudus Merriam.

1891. *Onychomys leucogaster brevicaudus* MERRIAM, North Amer. fauna no. 5, p. 52. July 30, 1891.

TYPE LOCALITY. — Blackfoot, Bingham County, Idaho.

Onychomys longicaudus Merriam.

1889. *Onychomys longicaudus* MERRIAM, North Amer. fauna, no. 2, p. 2. October 30, 1889.

TYPE LOCALITY. — St. George, Washington County, Utah.

Onychomys longipes Merriam.

1889. *Onychomys longipes* MERRIAM, North Amer. fauna, no. 2, p. 1. October 30, 1889.

TYPE LOCALITY. — Concho County, Texas.

Onychomys melanophrys (Merriam).

1889. *Onychomys leucogaster melanophrys* MERRIAM, North Amer. fauna, no. 2, p. 2. October 30, 1889.

1890. *O[nychomys] melanophrys* MERRIAM, North Amer. fauna, no. 3, p. 61. September 11, 1890.

TYPE LOCALITY. — Kanab, Kane County, Utah.

Onychomys melanophrys pallescens Merriam.

1890. *Onychomys melanophrys pallescens* MERRIAM, North Amer. fauna, no. 3, p. 61. September 11, 1890.

TYPE LOCALITY. — Moki Pueblos, Apache County, Arizona.

Onychomys ramona Rhoads.

1893. *Onychomys ramona* RHOADS, Amer. nat., xxvii, p. 833. September, 1893.

TYPE LOCALITY. — San Bernardino Valley, California.

***Onychomys torridus** (Coues).

1874. *Hesperomys (Onychomys) torridus* COUES, Proc. acad. nat. sci. Phila., p. 183. December 15, 1874.

1885. *Hesperomys torridus* TRUE, Proc. U. S. nat. mus., vii (1884), p. 597. 1885.

1889. *Onychomys torridus* MERRIAM, North Amer. fauna, no. 2, p. 3. October 30, 1889.

TYPE LOCALITY. — Camp Grant, Graham County, Arizona.

Onychomys torridus arenicola Mearns.

1896. *Onychomys torridus arenicola* MEARNS, Preliminary diagnoses of new mammals from the Mexican border of the United States, p. 3. May 25, 1896. (Reprint: Proc. U. S. nat. mus., xix, p. 139. December 21, 1896.)

TYPE LOCALITY. — Rio Grande, about six miles above El Paso, El Paso County, Texas.

Onychomys torridus perpallidus Mearns.

1896. *Onychomys torridus perpallidus* MEARNS, Preliminary diagnoses of new mammals from the Mexican border of the United States, p. 4. May 25, 1896. (Reprint: Proc. U. S. nat. mus., xix, p. 140. December 21, 1896.)

TYPE LOCALITY. — Left bank of the Colorado River at monument no. 204, Mexican boundary line, Yuma County, Arizona.

Genus **PEROMYSCUS** Gloger.

1841. *Peromyscus* GLOGER, Gemeinn. Hand.- u. Hilfsbuch d. Naturgesch., I, p. 95. Type. — *Peromyscus arboreus* GLOGER = *Mus sylvaticus noveboracensis* FISCHER.

Peromyscus affinis (Allen).

1891. *Hesperomys* (*Vesperimus*) *affinis* ALLEN, Proc. U. S. nat. mus., XIV, p. 195. July 24, 1891.

1897. *Peromyscus affinis* ALLEN and CHAPMAN, Bull. Amer. mus. nat. hist., IX, p. 7. February 23, 1897.

TYPE LOCALITY. — Barrio, State of Oaxaca, Mexico (see Allen and Chapman, Bull. Amer. mus. nat. hist., IX, p. 7, February 23, 1897).

Peromyscus akeleyi Elliot.

1899. *Peromyscus akeleyi* ELLIOT, Field Columb. mus. publication 30, zool. ser., I, p. 226. February 1, 1899.

TYPE LOCALITY. — Johnson's Ranch, Elwah River, Olympic Mountains, Clallam County, Washington.

Peromyscus anastasaе Bangs.

1898. *Peromyscus anastasaе* BANGS, Proc. Boston soc. nat. hist., XXVIII, p. 195. March, 1898.

TYPE LOCALITY. — Point Romo, Anastasia Island, St. John County, Florida.

Peromyscus anthonyi (Merriam).

1887. *Hesperomys* (*Vesperimus*) *anthonyi* MERRIAM, Proc. biol. soc. Washington, IV, p. 2. April 15, 1887.

1897. [*Peromyscus*] *anthonyi* TROUËSSART, Catal. mamm., pt. III, p. 517.

TYPE LOCALITY. — Camp Apache, Grant County, New Mexico.

Peromyscus attwateri Allen.

1895. *Peromyscus attwateri* ALLEN, Bull. Amer. mus. nat. hist., VII, p. 330. November 8, 1895.

TYPE LOCALITY. — Turtle Creek, Kerr County, Texas.

Peromyscus auripectus (Allen).

1893. *Sitomys auripectus* ALLEN, Bull. Amer. mus. nat. hist., V, p. 75. April 28, 1893.

1895. *Peromyscus auripectus* ALLEN, Bull. Amer. mus. nat. hist., VII, p. 226. June 29, 1895.

TYPE LOCALITY. — Bluff City, San Juan County, Utah.

Peromyscus auritus Merriam.

1898. *Peromyscus auritus* MERRIAM, Proc. biol. soc. Washington, XII, p. 119. April 30, 1898.

TYPE LOCALITY. — Mountains fifteen miles west of Oaxaca, State of Oaxaca, Mexico.

Peromyscus austerus (Baird).

1855. *Hesperomys austerus* BAIRD, Proc. acad. nat. sci. Phila., VII, p. 336. April, 1855.

1897. *P[eromyscus] austerus* BANGS, Amer. nat., XXXI, p. 75. January, 1897.

TYPE LOCALITY. — Spokane Plain, Spokane County, Washington.

Peromyscus aztecus (Saussure).

1860. *Hesperomys aztecus* SAUSSURE, Revue et mag. de zoologie, 2d ser., XII, p. 105.

1897. *Peromyscus aztecus* ALLEN and CHAPMAN, Bull. Amer. mus. nat. hist., IX, p. 8. February 23, 1897.

TYPE LOCALITY. — Southern Mexico.

Peromyscus banderanus Allen.

1897. *Peromyscus banderanus* ALLEN, Bull. Amer. mus. nat. hist., IX, p. 51. March 15, 1897.

TYPE LOCALITY. — Terro Tepic, Valle de Banderas, State of Jalisco, Mexico.

Peromyscus bellus BANGS.

1896. *Peromyscus bellus* BANGS, Proc. biol. soc. Washington, X, p. 137. December 28, 1896.

TYPE LOCALITY. — Stillwell, Boston Mts., Indian Territory.

Peromyscus boylii (BAIRD).

1855. *Hesperomys boylii* BAIRD, Proc. acad. nat. sci. Phila., VII, p. 335. April, 1855.

1896. *Peromyscus boylii* MEARNS, Preliminary diagnoses of new mammals from the Mexican border of the United States, p. 3. May 25, 1896. (Reprint: Proc. U. S. nat. mus., XIX, p. 139. December 21, 1896.)

TYPE LOCALITY. — Middle Fork of American River, California.

Peromyscus boylii penicillatus Mearns.

1896. *Peromyscus boylii penicillatus* MEARN'S, Preliminary diagnoses of new mammals from the Mexican border of the United States, p. 2. May 25, 1896. (Reprint: Proc. U. S. nat. mus., XIX, p. 139. December 21, 1896.)

TYPE LOCALITY. — Foot-hills of the Franklin Mountains, near El Paso, El Paso County, Texas.

Peromyscus boylii pinalis (MILLER).

1893. *Sitomys rowleyi pinalis* MILLER, Bull. Amer. mus. nat. hist., v, p. 331. December 16, 1893.

1896. *P[eromyscus] b[oylii] pinalis*, MEARN'S, Preliminary diagnoses of new mammals from the Mexican border of the United States, p. 3. May 25, 1896. (Reprint: Proc. U. S. nat. mus., XIX, p. 139. December 21, 1896.)

TYPE LOCALITY. — Granite Gap, Grant County, New Mexico.

Peromyscus boylii rowleyi (Allen).

1893. *Sitomys rowleyi* ALLEN. Bull. Amer. mus. nat. hist., v, p. 76. April 28, 1893.

1896. *P[eromyscus] b[oylii] rowleyi* MEARN'S, Preliminary diagnoses of new mammals from the Mexican border of the United States, p. 3. May 25, 1896. (Reprint: Proc. U. S. nat. mus., XIX, p. 139. December 21, 1896.)

TYPE LOCALITY. — Nolan's Ranch, San Juan County, Utah.

***Peromyscus californicus** (Gambel).

1848. *Mus californicus* GAMBEL, Proc. acad. nat. sci. Phila., iv, p. 78. August, 1848.

1885. *Hesperomys californicus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 597. 1885.

1895. *Peromyscus californicus* RHOADS, Proc. acad. nat. sci. Phila., p. 34. February 21, 1895.

TYPE LOCALITY. — Monterey, Monterey County, California.

Peromyscus canadensis (Miller).

1893. *Sitomys americanus canadensis* MILLER, Proc. biol. soc. Washington, VIII, p. 55. June 20, 1893.

1896. *Peromyscus canadensis* BANGS, Proc. biol. soc. Washington, x, p. 49. March 9, 1896.

TYPE LOCALITY. — Peterboro, Madison County, New York.

Peromyscus canadensis abietorum BANGS.

1896. *Peromyscus canadensis abietorum* BANGS, Proc. biol. soc. Washington, x, p. 49. March 9, 1896.

TYPE LOCALITY. — James River, Nova Scotia.

Peromyscus canadensis nubiterrae Rhoads.

1896. *Peromyscus leucopus nubiterrae* RHOADS, Proc. acad. nat. sci. Phila., p. 187. April, 1896.

1897. *Peromyscus canadensis nubiterrae* RHOADS, Proc. acad. nat. sci. Phila., p. 213. May, 1897.

TYPE LOCALITY. — Summit of Roan Mountain, Mitchell County, North Carolina. Altitude, 6370 feet.

Peromyscus canadensis umbrinus Miller.

1897. *Peromyscus canadensis umbrinus* MILLER, Proc. Boston soc. nat. hist., XXVIII, p. 23. April, 1897.

TYPE LOCALITY. — Peninsula Harbor, north shore of Lake Superior, Ontario, Canada.

Peromyscus canus Mearns.

1896. *Peromyscus canus* MEARN'S, Preliminary diagnoses of new mammals from the Mexican border of the United States, p. 3. March 25, 1896. (Reprint: U. S. nat. mus., XVIII, p. 445. May 23, 1896.)

TYPE LOCALITY. — Fort Clark, Kinney County, Texas.

Peromyscus cedrosensis Allen.

1898. *Peromyscus cedrosensis* ALLEN, Bull. Amer. mus. nat. hist., x, p. 154. April 12, 1898.

TYPE LOCALITY. — Cerros Island, Lower California, Mexico.

Peromyscus cherriei (Allen.)

1891. *Hesperomys (Vesperimus) cherriei* ALLEN, Bull. Amer. mus. nat. hist., III, p. 211. April 17, 1891.

1897. *Peromyscus cherriei* ALLEN, Bull. Amer. mus. nat. hist., IX, p. 35. March 11, 1897.

TYPE LOCALITY. — La Carpintera, Costa Rica.

Peromyscus cineritius Allen.

1898. *Peromyscus cineritius* ALLEN, Bull. Amer. mus. nat. hist., x, p. 155. April 12, 1898.

TYPE LOCALITY. — San Roque Island, Lower California, Mexico.

Peromyscus comptus Merriam.

1898. *Peromyscus comptus* MERRIAM, Proc. biol. soc. Washington, XII, p. 120. April 30, 1898.

TYPE LOCALITY.—Mountains, near Chilpancingo, State of Guerrero, Mexico.

Peromyscus crinitus (Merriam).

1891. *Hesperomys crinitus* MERRIAM, North Amer. fauna, no. 5, p. 53. July 30, 1891.

TYPE LOCALITY.—Shoshone Falls, Snake River, Lincoln County, Idaho.

Peromyscus crinitus scitulus Bangs.

1899. *Peromyscus crinitus scitulus* BANGS, Proc. New England zool. club, I, p. 67. July 31, 1899.

TYPE LOCALITY.—Gardnerville, Douglas County, Nevada.

Peromyscus difficilis (Allen).

1891. *Vesperimus difficilis* ALLEN, Bull. Amer. mus. nat. hist., III, p. 298. June 30, 1891.

1897. [*Peromyscus*] *difficilis* TROUESSART, Catal. mamm., pt. III, p. 518.

TYPE LOCALITY.—Sierra de Valparaiso, State of Zacatecas Mexico.

Peromyscus dubius Allen.

1898. *Peromyscus dubius* ALLEN, Bull. Amer. mus. nat. hist., X, p. 157. April 12, 1898.

TYPE LOCALITY.—Todos Santos Island, Lower California, Mexico.

Peromyscus dyselius Elliot.

1898. *Peromyscus dyselius* ELLIOT, Field Columb. mus. publication 27, zool. ser., I, p. 207. March, 1898.

TYPE LOCALITY.—Portola, San Mateo County, California.

* **Peromyscus eremicus** (Baird).

1857. *Hesperomys eremicus* BAIRD, Mamm. N. Amer., p. 479.

1885. *Hesperomys leucopus eremicus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 597. 1885.

1895. *Peromyscus eremicus* ALLEN. Bull. Amer. mus. nat. hist., VII, p. 226. June 29, 1895.

TYPE LOCALITY. — Old Fort Yuma, San Diego County, California.

Peromyscus eremicus arenarius Mearns.

1896. *Peromyscus eremicus arenarius* MEARN'S, Preliminary diagnoses of new mammals from the Mexican border of the United States, p. 2. May 25, 1896. (Reprint: Proc. U. S. nat. mus., XIX, p. 138. December 21, 1896.)

TYPE LOCALITY. — Banks of the Rio Grande, about six miles from El Paso, El Paso County, Texas.

Peromyscus eremicus propinquus ALLEN.

1898. *Peromyscus eremicus propinquus* ALLEN, Bull. Amer. mus. nat. hist., x, p. 154. April 12, 1898.

TYPE LOCALITY. — San Pablo Point, San Pablo Bay, Lower California, Mexico.

Peromyscus eva THOMAS.

1898. *Peromyscus eva* THOMAS, Ann. and mag. nat. hist., 7th ser., I, p. 44. January, 1898.

TYPE LOCALITY. — San José del Cabo, Lower California, Mexico.

Peromyscus exiguus ALLEN.

1898. *Peromyscus exiguus* ALLEN, Bull. Amer. mus. nat. hist., x, p. 157. April 12, 1898.

TYPE LOCALITY. — San Martin Island, Lower California, Mexico.

Peromyscus felipensis MERRIAM.

1898. *Peromyscus felipensis* MERRIAM, Proc. biol. soc. Washington, XII, p. 122. April 30, 1898.

TYPE LOCALITY. — Cerro San Felipe, State of Oaxaca, Mexico. Altitude, 10,200 feet.

Peromyscus floridanus (Chapman).

1889. *Hesperomys floridanus* CHAPMAN, Bull. Amer. mus. nat. hist., II, p. 117. June 7, 1889.

1896. *Peromyscus floridanus* BANGS, Proc. biol. soc. Washington, x, p. 122. November 5, 1896.

TYPE LOCALITY. — Gainesville, Alachua County, Florida.

Peromyscus fraterculus (Miller).

1892. *Vesperimus fraterculus* MILLER, Amer. nat., XXVI, p. 261. March, 1892.

1897. [*Peromyscus*] *fraterculus* TROUSSERT, Catal. mamm., pt. III, p. 515.

TYPE LOCALITY. — Dulzura, San Diego County, California.

Peromyscus furvus Allen and Chapman.

1897. *Peromyscus furvus* ALLEN and CHAPMAN, Bull. Amer. mus. nat. hist., ix, p. 201. June 16, 1897.

TYPE LOCALITY. — Jalapa, State of Vera Cruz, Mexico.

Peromyscus geronimensis ALLEN.

1898. *Peromyscus geronimensis* ALLEN, Bull. Amer. mus. nat. hist., v, p. 156. April 12, 1898.

TYPE LOCALITY. — San Geronimo Island, Lower California, Mexico.

Peromyscus gilberti (ALLEN).

1893. *Sitomys gilberti* ALLEN, Bull. Amer. mus. nat. hist., v, p. 188. August 18, 1893.

1896. *Peromyscus gilberti* ALLEN, Bull. Amer. mus. nat. hist., VIII, p. 267. December 4, 1896.

TYPE LOCALITY. — Bear Valley, San Benito County, California.

* ***Peromyscus gossypinus*** (Le Conte).¹

1853. *Hesperomys gossypinus* LE CONTE, Proc. acad. nat. sci. Phila., VI, p. 411.

1885. *Hesperomys leucopus gossypinus* TRUE, Proc. U. S. nat. mus., VII (1894), p. 597. 1895.

1896. *Peromyscus gossypinus* RHOADS, Proc. acad. nat. sci. Phila., p. 189. April 21, 1896.

TYPE LOCALITY. — Georgia; probably the Le Conte Plantation, near Riceboro, Liberty County (see Bangs, Proc. biol. soc. Washington, x, p. 123, November 5, 1896).

Peromyscus gossypinus mississippiensis RHOADS.

1896. *Peromyscus gossypinus mississippiensis* RHOADS, Proc. acad. nat. sci. Phila., p. 189. April 21, 1896.

TYPE LOCALITY. — Samburg, Reelfoot Lake, Tennessee.

Peromyscus gossypinus nigriculus BANGS.

1896. *Peromyscus gossypinus nigriculus* BANGS, Proc. biol. soc. Washington, x, p. 124. November 5, 1896.

TYPE LOCALITY. — Burbridge, Plaquemines Parish, Louisiana.

¹ The subspecies of *Peromyscus gossypinus* have been revised by Bangs (Proc. biol. soc. Washington, x, pp. 119-125, November 5, 1896).

Peromyscus gossypinus palmarius Bangs.

1896. *Peromyscus gossypinus palmarius* BANGS, Proc. biol. soc. Washington, x, p. 124. November 5, 1896.

TYPE LOCALITY. — Oak Lodge, on the east peninsula opposite Micco, Brevard County, Florida.

Peromyscus gratus Merriam.

1898. *Peromyscus gratus* MERRIAM, Proc. biol. soc. Washington, x, p. 123. April 30, 1898.

TYPE LOCALITY. — Tlalpam, near City of Mexico, Mexico.

Peromyscus guatemalensis Merriam.

1898. *Peromyscus guatemalensis* MERRIAM, Proc. biol. soc. Washington, XII, p. 118. April 30, 1898.

TYPE LOCALITY. — Todos Santos, Guatemala. Altitude, 10,000 feet.

Peromyscus gymnotis Thomas.

1894. *Peromyscus gymnotis* THOMAS, Ann. and mag. nat., hist., 6th ser., XIV, p. 365. November, 1894.

TYPE LOCALITY. — Guatemala.

Peromyscus herronii (Rhoads).

1893. *Sitomys herronii* RHOADS, Amer. nat., XXVII, p. 832. September, 1893.

1897. [*Peromyscus*] *herroni* TROUESSART, Catal. mamm., pt. III, p. 516.

TYPE LOCALITY. — San Bernardino Valley, California.

Peromyscus herroni nigellus (Rhoads).

1894. *Sitomys herroni nigellus* RHOADS, Proc. acad. nat. sci. Phila., p. 257. October, 1894.

1897. [*Peromyscus*] *herroni nigellus* TROUESSART, Catal. mamm., pt. III, p. 516.

TYPE LOCALITY. — West Cajon Pass, San Bernardino Mountains, San Bernardino County, California.

Peromyscus hyloces Merriam.

1898. *Peromyscus hyloces* MERRIAM, Proc. biol. soc. Washington, XII, p. 124. April 30, 1898.

TYPE LOCALITY. — Patzcuaro, State of Michoacan, Mexico. Altitude, 8000 feet.

Peromyscus insignis Rhoads.

1895. *Peromyscus insignis* RHOADS, Proc. acad. nat. sci. Phila., p. 33. February 21, 1895.

TYPE LOCALITY. — Dulzura, San Diego County, California.

Peromyscus insolatus (Rhoads).¹

1894. *Sitomys insolatus* RHOADS, Proc. acad. nat. sci. Phila., p. 256. October, 1894.

1897. [*Peromyscus*] *insolatus* TROUESSART, Catal. mamm., pt. III, p. 515.

TYPE LOCALITY. — Oro Grande, Mohave Desert, Kern County, California.

Peromyscus insulanus Bangs.

1898. *Peromyscus insulanus* BANGS, Proc. Boston soc. nat. hist., xxviii, p. 196. March, 1898.

TYPE LOCALITY. — North end of Cumberland Island, Camden County, Georgia.

Peromyscus keeni (Rhoads).

1894. *Sitomys keeni* RHOADS, Proc. acad. nat. sci. Phila., p. 258. October, 1894.

1897. *P[eromyscus] keeni* BANGS, Amer. nat., xxxi, p. 75. January, 1897.

TYPE LOCALITY. — Masset, Graham Island, Queen Charlotte Islands, British Columbia, Canada.

Peromyscus lepturus Merriam.

1898. *Peromyscus lepturus* MERRIAM, Proc. biol. soc. Washington, xii, p. 118. April 30, 1898.

TYPE LOCALITY. — Mt. Zempoaltepec, State of Oaxaca, Mexico. Altitude, 8200 feet.

* **Peromyscus leucopus** (Rafinesque).

1818. *Musculus leucopus* RAFINESQUE, American monthly magazine, III, p. 446. October, 1818.

1885. *Hesperomys leucopus leucopus* TRUE, Proc. U. S. nat. mus., vii (1884), p. 597. 1885.

1891. *Vesperimus americanus* ALLEN, Bull. Amer. mus. nat. hist., III, p. 297. June 30, 1891.

¹Type of the subgenus *Trinodontomys* (Rhoads, Proc. acad. nat. sci. Phila., 1894, p. 257. October, 1894).

1895. *Peromyscus leucopus* THOMAS, Ann. and Mag. nat. hist., 6th ser., XVI, p. 192. February, 1895.
 TYPE LOCALITY. — Pine barrens of Kentucky.

***Peromyscus leucopus noveboracensis* (Fischer).**

1829. [*Mus sylvaticus*] *noveboracensis*, FISCHER, Synopsis mammalium, p. 318.
 1897. *Peromyscus leucopus noveboracensis* MILLER, Proc. Boston soc. nat. hist., XXVIII, p. 22. April 30, 1897.
 TYPE LOCALITY. — New York.

***Peromyscus leucurus* Thomas.**

1894. *Peromyscus leucurus* THOMAS, Ann. and mag. nat. hist., 6th ser., XIV, p. 364. November, 1894.
 TYPE LOCALITY. — Tehuantepec, Mexico.

***Peromyscus levipes* Merriam.**

1898. *Peromyscus levipes* MERRIAM, Proc. biol. soc. Washington, XII, p. 123. April 30, 1898.
 TYPE LOCALITY. — Mt. Malinche, State of Tlaxcala, Mexico.
 Altitude, 8400 feet.

***Peromyscus macropus* (Merriam).**

1890. *Hesperomys macropus* MERRIAM, North Amer. fauna, no. 4, p. 53. October 8, 1890.
 TYPE LOCALITY. — Lake Worth, Dade County, Florida.
 Regarded by Chapman (Bull. Amer. mus. nat. hist., VI, p. 336, November 30, 1894) as identical with *P. floridanus*.

***Peromyscus macrorhinus* (Rhoads)**

1894. *Sitomys macrorhinus* RHOADS, Proc. acad. nat. sci. Phila., p. 259. October, 1894.
 1897. *P[eromyscus] macrorhinus* BANGS, Amer. nat. XXXI, p. 75. January, 1897.
 TYPE LOCALITY. — Skeena River, British Columbia, Canada.

***Peromyscus madrensis* Merriam.**

1898. *Peromyscus madrensis* MERRIAM, Proc. biol. soc. Washington, XII, p. 16. January 27, 1898.
 TYPE LOCALITY. — Maria Madre Island, Tres Marias Islands, State of Jalisco, Mexico.

Peromyscus major (Rhoads).

1893. *Sitomys major* RHOADS, Amer. nat. xxix, p. 831. September, 1893.

1897. [*Peromyscus*] *major* TROUESSART, Catal. mamm., pt. III, p. 516.

TYPE LOCALITY. — Squirrel Inn, San Bernardino County, California.

Peromyscus maniculatus (Wagner).

1845. *Hesperomys maniculatus* WAGNER, Wiegmann's Arch. f. Naturg., XI, Bd. I, p. 148.

1898. *Peromyscus maniculatus* BANGS, Amer. nat., xxxii, p. 496. July, 1898.

TYPE LOCALITY. — The Moravian Settlements in Labrador.

Peromyscus martirensis (Allen).

1893. *Sitomys martirensis* ALLEN, Bull. Amer. mus. nat. hist., v, p. 187. August 18, 1893.

1897. [*Peromyscus*] *martirensis* TROUESSART, Catal. mamm., pt. III, p. 516.

TYPE LOCALITY. — San Pedro Martir Mountains, Lower California, Mexico. Altitude, 7000 feet.

Peromyscus mearnsii (Allen).

1891. *Vesperimus mearnsii* ALLEN, Bull. Amer. mus. nat. hist., III, p. 299. June 30, 1891.

1895. *P[eromyscus] mearnsii* ATTWATER, Bull. Amer. mus. nat. hist., v, p. 331. November 8, 1895.

TYPE LOCALITY. — Brownsville, Cameron County, Texas.

Peromyscus megacephalus (Rhoads).

1894. *Sitomys megacephalus* RHOADS, Proc. acad. nat. sci. Phila., p. 254. October, 1894.

1896. *Peromyscus megacephalus* RHOADS, Proc. acad. nat. sci. Phila., p. 191. April, 1896.

TYPE LOCALITY. — Woodville, Jackson County, Alabama.

Regarded by Bangs (Proc. biol. soc. Washington, x, p. 120, November 5, 1896) as identical with the typical form of *P. gossypinus*.

Peromyscus megalops Merriam.

1893. *Peromyscus megalops* MERRIAM, Proc. biol. soc. Washington, XII, p. 119. April 30, 1893.

TYPE LOCALITY. — Mountains near Ozolotepec, State of Oaxaca, Mexico.

Peromyscus megalotis (Merriam).

1890. *Hesperomys megalotis* MERRIAM, North Amer. fauna, no. 3, p. 64. September 11, 1890.

1895. *Peromyscus megalotis* ALLEN, Bull. Amer. mus. nat. hist., VII, p. 229. June 29, 1895.

TYPE LOCALITY. — Black Tank, Desert of the Little Colorado, Coconino County, Arizona.

Peromyscus mekisturus Merriam.

1898. *Peromyscus mekisturus* MERRIAM, Proc. biol. soc. Washington, XII, p. 124. April 30, 1898.

TYPE LOCALITY. — Chalchicomula, State of Puebla, Mexico. Altitude, 8400 feet.

* **Peromyscus melanophrys** (Coues).

1874. *Hesperomys (Vesperimus) melanophrys* COUES, Proc. acad. nat. sci. Phila., p. 181. December 15, 1874.

1885. *Hesperomys melanophrys* TRUE, Proc. U. S. nat. mus., VII (1884), p. 598. 1885.

1897. *P[eromyscus] melanophrys* ALLEN, Bull. Amer. mus. nat. hist., IX, p. 51. March 15, 1897.

TYPE LOCALITY. — Santa Efigenia, Tehuantepec, Mexico.

Peromyscus melanotis Allen and Chapman.

1897. *Peromyscus melanotis* ALLEN and CHAPMAN, Bull. Amer. mus. nat. hist., IX, p. 203. June 16, 1897.

TYPE LOCALITY. — Las Vigas, State of Vera Cruz, Mexico.

Peromyscus merriami Mearns.

1896. *Peromyscus merriami* MEARNS, Preliminary diagnoses of new mammals from the Mexican border of the United States, p. 2. May 25, 1896. (Reprint: Proc. U. S. nat. mus., XIX, p. 138. December 21, 1896.)

TYPE LOCALITY. — Village of Sonoyta, on the Sonoyta River, State of Sonora, Mexico.

* **Peromyscus mexicanus** (Saussure).

1860. *Hesperomys mexicanus* SAUSSURE, Revue et magasin de zoologie, 2d ser., XII, p. 103.

1885. *Hesperomys mexicanus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 597. 1885.

1897. *Peromyscus mexicanus* ALLEN, Bull. Amer. mus. nat. hist., IX, p. 51. March 15, 1897.

TYPE LOCALITY. — State of Vera Cruz, Mexico (see Allen, Bull. Amer. mus. nat. hist., IX, p. 51. March 15, 1897).

***Peromyscus mexicanus orizabae* Merriam.**

1898. *Peromyscus mexicanus orizabae* MERRIAM, Proc. biol. soc. Washington, XII, p. 121. April 30, 1898.

TYPE LOCALITY. — Orizaba, State of Vera Cruz, Mexico. Altitude, 4200 feet.

***Peromyscus mexicanus saxatilis* Merriam.**

1898. *Peromyscus mexicanus saxatilis* MERRIAM, Proc. biol. soc. Washington, XII, p. 121. April 30, 1898.

TYPE LOCALITY. — Jacaltenango, Huehuetenango, Guatemala.

***Peromyscus mexicanus totontepecus* Merriam.**

1898. *Peromyscus mexicanus totontepecus* MERRIAM, Proc. biol. soc. Washington, XII, p. 120. April 30, 1898.

TYPE LOCALITY. — Totontepec, State of Oaxaca, Mexico. Altitude, 6500 feet.

*** *Peromyscus michiganensis* (Audubon and Bachman).**

1842. *Mus michiganensis* AUDUBON and BACHMAN, Journ. acad. nat. sci. Phila., VIII, pt. II, p. 304.

1885. *Hesperomys michiganensis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 597. 1885.

1896. *Peromyscus michiganensis* ALLEN, Bull. Amer. mus. nat. hist., VIII, p. 238. November 21, 1896.

TYPE LOCALITY. — Erie County, Ohio.

***Peromyscus michiganensis pallescens* Allen.**

1896. *Peromyscus michiganensis pallescens* ALLEN, Bull. Amer. mus. nat. hist., VIII, p. 238. November 21, 1896.

TYPE LOCALITY. — San Antonio, Bexar County, Texas.

***Peromyscus musculoides* Merriam.**

1898. *Peromyscus musculoides* MERRIAM, Proc. biol. soc. Washington, XII, p. 124. April 30, 1898.

TYPE LOCALITY. — Cuicatlan, State of Oaxaca, Mexico.

***Peromyscus musculus* (Merriam).**

1892. *Sitomys musculus* MERRIAM, Proc. biol. soc. Washington, VIII, p. 170. December 29, 1892.

1897. *Peromyscus musculus* ALLEN and CHAPMAN, Bull. Amer. mus. nat. hist., ix, p. 203. June 16, 1897.

TYPE LOCALITY. — Near City of Colima, State of Colima, Mexico.

Peromyscus musculus brunneus Allen and Chapman.

1897. *Peromyscus musculus brunneus* ALLEN and CHAPMAN, Bull. Amer. mus. nat. hist., ix, p. 203. June 16, 1897.

TYPE LOCALITY. — Jalapa, State of Vera Cruz, Mexico.

Peromyscus nasutus (Allen).

1891. *Vesperimus nasutus* ALLEN, Bull. Amer. mus. nat. hist., III, p. 299. June 30, 1891.

TYPE LOCALITY. — Estes Park, Larimer County, Colorado.

Peromyscus nelsoni Merriam.¹

1898. *Peromyscus (Megadontomys) nelsoni* MERRIAM, Proc. biol. soc. Washington, XII, p. 116. April 30, 1898.

TYPE LOCALITY. — Jico, State of Vera Cruz, Mexico. Altitude, 6000 feet.

Peromyscus niveiventris (Chapman).

1889. *Hesperomys niveiventris* CHAPMAN, Bull. Amer. mus. nat. hist., II, p. 117. June 7, 1889.

1896. *Peromyscus niveiventris* BANGS, Proc. biol. soc. Washington, x, p. 121. November 5, 1896.

TYPE LOCALITY. — On the east peninsula, opposite Micco, Brevard County, Florida.

Peromyscus nudipes (Allen).

1891. *Hesperomys (Vesperimus?) nudipes* ALLEN, Bull. Amer. mus. nat. hist., III, p. 213. April 17, 1891.

1897. *Peromyscus nudipes* ALFARO, Mammiferos de Costa Rica, p. 35.

TYPE LOCALITY. — La Carpintera, Costa Rica.

* **Peromyscus nuttalli** (Harlan).

1832. *Arvicola nuttalli* HARLAN, Monthly Amer. journ. geol. and nat. sci. Phila., p. 446. April, 1832.

1885. *Hesperomys aureolus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 598. 1885.

¹ Placed by Merriam in the subgenus *Megadontomys*.

1898. *Peromyscus nuttallii* BANGS, Proc. Boston soc. nat. hist., xxviii, p. 197. March, 1898.

TYPE LOCALITY. — Norfolk, Norfolk County, Virginia.

Peromyscus oaxacensis Merriam.

1898. *Peromyscus oaxacensis* MERRIAM, Proc. biol. soc. Wash. ington, xii, p. 122. April 30, 1898.

TYPE LOCALITY. Cerro San Felipe, State of Oaxaca, Mexico. Altitude, 10,000 feet.

Peromyscus oreas Bangs.

1898. *Peromyscus oreas* BANGS, Proc. biol. soc. Washington, xii, p. 84. March 24, 1898.

TYPE LOCALITY. — Mt. Baker Range, British Columbia, near boundary of Whatcom County, Washington. Altitude, 6500 feet.

Peromyscus phasma Bangs.

1898. *Peromyscus phasma* BANGS, Proc. Boston soc. nat. hist., xxviii, p. 199. March, 1898.

TYPE LOCALITY. — Point Romo, Anastasia Island, St. John County, Florida.

Peromyscus robustus (Allen).

1893. *Sitomys robustus* ALLEN, Bull. Amer. mus. nat. hist., v, p. 335. December 16, 1893.

1897. [*Peromyscus*] *robustus* TROUESSART, Catal. mamm., pt. iii, p. 516.

TYPE LOCALITY. — Lakeport, Lake County, California.

Peromyscus rufinus (Merriam).

1890. *Hesperomys leucopus rufinus* MERRIAM, North Amer. fauna, no. 3, p. 65. September 11, 1890.

1896. *Peromyscus rufinus* ALLEN, Bull. Amer. mus. nat. hist., viii, p. 252. November 25, 1896.

TYPE LOCALITY. — San Francisco Mountain, Coconino County, Arizona. Altitude, 9000 feet.

Peromyscus sitkensis Merriam.

1897. *Peromyscus sitkensis* MERRIAM, Proc. biol. soc. Wash. ington, xi, p. 223. July 15, 1897.

TYPE LOCALITY. — Sitka, Alaska.

Peromyscus spicilegus Allen.

1897. *Peromyscus spicilegus* ALLEN, Bull. Amer. mus. nat. hist., ix, p. 50. March 15, 1897.

TYPE LOCALITY. — Mineral San Sebastian, Mascota, State of Jalisco, Mexico.

Peromyscus stephensi Mearns.

1897. *Peromyscus stephensi* MEARNS, Proc. U. S. nat. mus., xix, p. 721. July 30, 1897.

TYPE LOCALITY. — The lowest water on the wagon road, in a canyon at the east base of the Coast Range Mountains, San Diego County, California.

Peromyscus subgriseus (Chapman).

1893. *Sitomys niveiventris subgriseus* CHAPMAN, Bull. Amer. mus. nat. hist., v, p. 340. December 22, 1893.

1898. *Peromyscus subgriseus* BANGS, Proc. Boston soc. nat. hist., xxviii, p. 200. March, 1898.

TYPE LOCALITY. — Gainesville, Alachua County, Florida.

Peromyscus subgriseus balliolus Bangs.

1898. *Peromyscus subgriseus arenarius* Bangs, Proc. Boston soc. nat. hist., xxviii, p. 202. March, 1898. (Not *P. eremicus arenarius* Mearns, 1896.)

1898. *Peromyscus subgriseus balliolus* BANGS, Science, n. s., viii, p. 215. August 19, 1898.

TYPE LOCALITY. — Hursman's Lake, Savannah River, near Bascom, Scriven Co., Georgia.

Peromyscus subgriseus rhoadsi Bangs.

1898. *Peromyscus subgriseus rhoadsi* BANGS, Proc. Boston soc. nat. hist., xxviii, p. 201. March, 1898.

TYPE LOCALITY. — Anclote River, Hillsboro County, Florida.

Peromyscus taylori (Thomas).¹

1887. *Hesperomys (Vesperimus) taylori* THOMAS, Ann. and mag. nat. hist., 5 ser., xix, p. 66. January, 1887.

1896. *Peromyscus (Baiomys) taylori* ALLEN, Bull. Amer. mus. nat. hist., viii, p. 65. April 22, 1896.

TYPE LOCALITY. — San Diego, Duval Co., Texas.

¹ This species has been made type of the subgenus *Baiomys* (True, Proc. U. S. nat. mus., xvi, p. 758, February 7, 1893).

Peromyscus tehuantepecus Merriam.

1898. *Peromyscus tehuantepecus* MERRIAM, Proc. biol. soc. Washington, XII, p. 122. April 30, 1898.

TYPE LOCALITY. — Tehuantepec, State of Oaxaca, Mexico.

Peromyscus texanus (Woodhouse).

1853. *Hesperomys texanus* WOODHOUSE, Proc. acad. nat. sci. Phila., VI, p. 242. February, 1853.

1896. *Peromyscus texanus* MEARN'S, Preliminary diagnoses of new mammals from the Mexican border of the United States, p. 4. March 25, 1896. (Reprint: Proc. U. S. nat. mus., XVIII, p. 446. May 23, 1896.)

TYPE LOCALITY. — Western Texas.

Peromyscus texanus arcticus (Mearns).

1890. *Hesperomys leucopus arcticus* MEARN'S, Bull. Amer. mus. nat. hist., II, p. 285. February 21, 1890.

1896. *Peromyscus texanus arcticus* ALLEN, Bull. Amer. mus. nat. hist., VIII, p. 252. November 25, 1896.

TYPE LOCALITY. — Fort Simpson, Mackenzie, Canada.

Peromyscus texanus arizonae (Allen).

1894. *Sitomys americanus arizonae* ALLEN, Bull. Amer. mus. nat. hist., VI, p. 321. November 7, 1894.

TYPE LOCALITY. — Fairbank, Cochise County, Arizona.

Afterward regarded by Allen (Bull. Amer. mus. nat. hist., VII, p. 229, June 29, 1895) as a synonym of *Hesperomys sonoriensis* LE CONTE.

Peromyscus texanus artemisiae (Rhoads).

1894. *Sitomys americanus artemisiae* RHOADS, Proc. acad. nat. sci. Phila., p. 260. October, 1894.

TYPE LOCALITY. — Ashcroft, British Columbia, Canada.

Peromyscus texanus clementis (Mearns).

1896. *Peromyscus texanus clementis* MEARN'S, Preliminary diagnoses of new mammals from the Mexican border of the United States, p. 4. March 25, 1896. (Reprint: Proc. U. S. nat. mus., XVIII, p. 446. May 23, 1896.)

TYPE LOCALITY. — San Clemente Island, Los Angeles County, California.

Peromyscus texanus coolidgei (Thomas).

1898. *Peromyscus leucopus coolidgei* THOMAS, Ann. and mag. nat. hist., 7th ser., I, p. 45. January, 1898.

TYPE LOCALITY. — Santa Anita, Cape Region of Lower California, Mexico.

Peromyscus texanus deserticola (Mearns).

1890. *Hesperomys leucopus deserticolus* MEARNs, Bull. Amer. mus. nat. hist., II, p. 285. Described on page 287. February 21, 1890.

1896. *P[eromyscus] t[exanus] deserticolus* MEARNs, Preliminary diagnoses of new mammals from the Mexican border of the United States, p. 4. March 25, 1896. (Reprint: Proc. U. S. nat. mus., XVIII, p. 446. May 23, 1896.)

TYPE LOCALITY. — Mohave Desert, San Bernardino County, California.

Peromyscus texanus gambelii (Baird).

1857. *Hesperomys gambelii* BAIRD, Mamm. N. Amer., p. 464.

1896. *P[eromyscus] t[exanus] gambelii* MEARNs, Preliminary diagnoses of new mammals from the Mexican border of the United States, p. 4. March 25, 1896. (Reprint: Proc. U. S. nat. mus., XVIII, p. 446. May 23, 1896.)

TYPE LOCALITY. — Monterey, Monterey County, California (see Allen, Bull. Amer. mus. nat. hist., v, p. 191, August 18, 1893).

Peromyscus texanus medius Mearns.

1896. *Peromyscus texanus medius* MEARNs, Preliminary diagnoses of new mammals from the Mexican border of the United States, p. 4. March 25, 1896. (Reprint: Proc. U. S. nat. mus., XVIII, p. 446. May 23, 1896.)

TYPE LOCALITY. — Nachoguero Valley, Lower California, Mexico.

Peromyscus texanus nebrascensis (Mearns).

1890. *Hesperomys leucopus nebrascensis* MEARNs, Bull. Amer. mus. nat. hist., II, p. 285. Described on page 287. February 21, 1890.

1896. *Peromyscus texanus nebrascensis* ALLEN, Bull. Amer. mus. nat. hist., VIII, p. 251. November 25, 1896.

TYPE LOCALITY. — Calf Creek, central Montana.

Peromyscus texanus saturatus Bangs.

1897. *Peromyscus texanus saturatus* BANGS, Amer. nat., xxxi, p. 75. January, 1897.

TYPE LOCALITY. — Saturna Island, in the Gulf of Georgia, half way between Victoria and Vancouver City, British Columbia, Canada.

***Peromyscus texanus sonoriensis** (Le Conte).

1853. *Hesperomys sonoriensis* LE CONTE, Proc. acad. nat. sci. Phila., p. 413.

1885. *Hesperomys leucopus sonoriensis* TRUE, Proc. U. S. nat. mus., vii (1884), p. 597. 1885. (Part.)

1896. [*Peromyscus texanus*] *sonoriensis* MEARNS, Preliminary diagnoses of new mammals from the Mexican border of the United States, p. 3. March 25, 1896. (Reprint: Proc. U. S. nat. mus., xviii, p. 446. May 23, 1896.)

TYPE LOCALITY. — Santa Cruz, State of Sonora, Mexico.

Peromyscus texanus subarcticus Allen.

1899. *Peromyscus texanus subarcticus* ALLEN, Bull. Amer. mus. nat. hist., xii, p. 15. March 4, 1899.

TYPE LOCALITY. — Deerlodge County, Montana.

Peromyscus texanus thurberi (Allen).

1893. *Sitomys americanus thurberi* ALLEN, Bull. Amer. mus. nat. hist., v, p. 185. August 18, 1893.

1896. [*Peromyscus*] [*t[exanus]*] *thurberi* MEARNS, Preliminary diagnoses of new mammals from the Mexican border of the United States, p. 4. March 25, 1896. (Reprint: Proc. U. S. nat. mus., xviii, p. 446. May 23, 1896.)

TYPE LOCALITY. — San Pedro Martir Mountains, Lower California, Mexico. Altitude, 8200 feet.

Peromyscus thomasi Merriam.¹

1898. *Peromyscus (Megadontomys) thomasi* MERRIAM, Proc. biol. soc. Washington, xii, p. 116. April 30, 1898.

TYPE LOCALITY. — Mountains near Chilpancingo, State of Guerrero, Mexico. Altitude 9700 feet.

¹ This species has been made type of the subgenus *Megadontomys* (Merriam, Proc. biol. soc. Washington, xii, p. 115, April 30, 1898). *P. nelsoni* is the only other known member of the group.

Peromyscus tiburonensis Mearns.

1897. *Peromyscus tiburonensis* MEARNs, Proc. U. S. nat. mus., XIX, p. 720. June 30, 1897.

TYPE LOCALITY. — Tiburon Island, Gulf of California, Mexico.

Peromyscus tornillo Mearns.

1896. *Peromyscus tornillo* MEARNs, Preliminary diagnoses of new mammals from the Mexican border of the United States, p. 3. March 25, 1896. (Reprint: Proc. U. S. nat. mus., XVIII, p. 445. May 23, 1896.)

TYPE LOCALITY. — Rio Grande, about six miles above El Paso, El Paso County, Texas.

Peromyscus truei (Shufeldt).

1886. *Hesperomys truei* SHUFELDT, Proc. U. S. nat. mus., VIII, p. 407. September 14, 1885.

1895. *P[eromyscus] truei* ALLEN, Bull. Amer. mus. nat. hist., VII, p. 229. June 29, 1895.

TYPE LOCALITY. — Fort Wingate, Valencia County, New Mexico.

Peromyscus yucatanicus Allen and Chapman.

1897. *Peromyscus yucatanicus* ALLEN and CHAPMAN, Bull. Amer. mus. nat. hist., IX, p. 8. February 23, 1897.

TYPE LOCALITY. — Chichen-Itza, Yucatan.

Peromyscus zarhynchus Merriam.

1898. *Peromyscus zarhynchus* MERRIAM, Proc. biol. soc. Washington, XII, p. 117. April 30, 1898.

TYPE LOCALITY. — Tumbala, State of Chiapas, Mexico.

Peromyscus zarhynchus cristobalensis Merriam.

1898. *Peromyscus zarhynchus cristobalensis* MERRIAM, Proc. biol. soc., Washington, XII, p. 117. April 30, 1898.

TYPE LOCALITY. — San Cristobal, State of Chiapas, Mexico.

Genus **RHIPIDOMYS** Tschudi.

1845. *Rhipidomys* TSCHUDI, Fauna peruana, p. 183. Type.
— *Hesperomys leucodactylus* TSCHUDI.

* **Rhipidomys sumichrasti** (Saussure).

1861. *Hesperomys sumichrasti* SAUSSURE, Revue et magasin de zoologie, 2d ser., XII, p. 107.

1885. *Hesperomys sumichrasti* TRUE, Proc. U. S. nat. mus., VII (1884), p. 598. 1885.

1897. [*Rhipidomys*] *sumichrasti* TROUESSART, Catal. mamm., pt. III, p. 519.

TYPE LOCALITY. — Eastern slope of mountains in State of Vera Cruz, Mexico.

Rhipidomys decolorus True.

1894. *Sitomys (Rhipidomys) decolorus* TRUE, Proc. U. S. nat. mus., XVI, p. 689. February 5, 1894.

1897. [*Rhipidomys*] *decolorus* TROUESSART, Catal. mamm., pt. III, p. 519.

TYPE LOCALITY. — Rio de las Piedras, Honduras.

Genus **TYLOMYS** Peters.

1866. *Tylomys* PETERS, Monatsber. k. preuss. Akad. Wissensch. Berlin, p. 404. Type. — *Hesperomys (Tylomys) nudicaudus* PETERS.

* **Tylomys nudicaudus** (Peters).

1866. *Hesperomys (Tylomys) nudicaudus* PETERS, Monatsber. k. preuss. Akad. Wissensch. Berlin, p. 404, pl. 1, figs. 1-4.

1885. *Hesperomys nudicaudus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 598. 1885.

1897. [*Tylomys*] *nudicaudus* TROUESSART, Catal. mamm., pt. III, p. 520.

TYPE LOCALITY. — Guatemala.

* **Tylomys panamensis** (Gray).

1873. *Neomys panamensis* GRAY, Ann. and mag. nat. hist., 4th ser., XII, p. 417.

1885. *Hesperomys panamensis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 598. 1885.

1897. [*Tylomys*] *panamensis* TROUESSART, Catal. mamm., pt. III, p. 520.

TYPE LOCALITY. — Panama.

Tylomys watsoni Thomas.

1899. *Tylomys watsoni* THOMAS, Ann. and mag. nat. hist., 7th ser., IV, p. 278. October, 1899.

TYPE LOCALITY. — Bogava, Chiriqui, N. W. Panama. Altitude, 800 feet.

Genus **HOLOCHILUS** Brandt.

1835. *Holochilus* BRANDT, Mem. de l'acad. imper. sci. St. Petersbourg, 6th ser., I, p. 428. Type. — *Mus* (*Holochilus*) *leucogaster* BRANDT.

* **Holochilus pilorides** (Pallas).

1778. *Mus pilorides* PALLAS, Nov. spec. quadr. glir. ord., p. 91.

1885. *Hesperomys pilorides* TRUE, Proc. U. S. nat. mus., VII (1884), p. 598. 1885.

1897. [*Holochilus*] *pilorides* TROUESSART, Catal. mamm., pt. III, p. 520.

TYPE LOCALITY. — Island of Martinique, Lesser Antilles.

Genus **SIGMODON** Say and Ord.

1825. *Sigmodon* SAY and ORD, Journ. acad. nat. sci. Phila., IV, pt. II, p. 352. Type. — *Sigmodon hispidus* SAY and ORD.

Sigmodon borucae Allen.

1897. *Sigmodon borucae* ALLEN, Bull. Amer. mus. nat. hist., IX, p. 40. March 11, 1897.

TYPE LOCALITY. — Boruca, Costa Rica.

Sigmodon colimae Allen.

1897. *Sigmodon colimae* ALLEN, Bull. Amer. mus. nat. hist., IX, p. 55. March 15, 1897.

TYPE LOCALITY. — Plains of Colima, State of Colima, Mexico.

Sigmodon fulviventor Allen.

1889. *Sigmodon fulviventor* ALLEN, Bull. Amer. mus. nat. hist., II, p. 180. October 21, 1889.

TYPE LOCALITY. — Zacatecas, State of Zacatecas, Mexico.

* **Sigmodon hispidus** Say and Ord.

1825. *Sigmodon hispidus* SAY and ORD, Journ. acad. nat. sci. Phila., IV, pt. II, p. 354.

1885. *Sigmodon hispidus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 598. 1885.

TYPE LOCALITY. — St. John's River, Florida.

Sigmodon hispidus arizonae Mearns.

1890. *Sigmodon hispidus arizonae* MEARNs, Bull. Amer. mus. nat. hist., II, p. 285. February 21, 1890.

TYPE LOCALITY. — Fort Verde, Yavapai County, Arizona.

Sigmodon hispidus eremicus Mearns.

1897. *Sigmodon hispidus eremicus* MEARNs. Preliminary diagnoses of new mammals of the genera *Sciurus*, *Castor*, *Neotoma* and *Sigmodon*, from the Mexican border of the United States, p. 4. March 15, 1897. (Reprint: Proc. U. S. nat. mus., XX, p. 504. January 19, 1898).

TYPE LOCALITY. — Cienega Well, thirty miles south of monument no. 204, Mexican boundary line, on the left bank of the Colorado River, State of Sonora, Mexico.

Sigmodon hispidus littoralis Chapman.

1889. *Sigmodon hispidus littoralis* CHAPMAN, Bull. Amer. mus. nat. hist., II, p. 118. June 7, 1889.

TYPE LOCALITY. — East Peninsula, opposite Micco, Brevard County, Florida.

Sigmodon hispidus pallidus Mearns.

1897. *Sigmodon hispidus pallidus* MEARNs, Preliminary diagnoses of new mammals of the genera *Sciurus*, *Castor*, *Neotoma* and *Sigmodon*, from the Mexican border of the United States, p. 4. March 15, 1897. (Reprint: Proc. U. S. nat. mus., XX, p. 504. January 19, 1898).

TYPE LOCALITY.—Left bank of the Rio Grande, about six miles above El Paso, El Paso County, Texas.

Sigmodon hispidus spadicipygus Bangs.

1898. *Sigmodon hispidus spadicipygus* BANGS, Proc. Boston soc. nat. hist., xxviii, p. 192. March, 1898.

TYPE LOCALITY.—Cape Sable, Monroe County, Florida.

Sigmodon hispidus texianus (Audubon and Bachman).

1853. *Arvicola texiana* AUDUBON and BACHMAN, Quad. N. Amer., III, p. 229.

1891. *Sigmodon hispidus texianus* ALLEN, Bull. Amer. mus. nat. hist., III, p. 287. June 30, 1891.

TYPE LOCALITY.—Brasos River, Texas.

Sigmodon mascotensis Allen.

1897. *Sigmodon mascotensis* ALLEN, Bull. Amer. mus. nat. hist., IX, p. 54. March 15, 1897.

TYPE LOCALITY.—Mineral San Sebastian, Mascota, State of Jalisco, Mexico.

Sigmodon minimus Mearns.

1894. *Sigmodon minima* MEARNS, Proc. U. S. nat. mus., xvii, p. 130. July 19, 1894.

TYPE LOCALITY.—Upper corner monument, Grant County, New Mexico, on the Mexican boundary line, 100 miles west of the initial monument on the west bank of the Rio Grande.

Sigmodon toltecus (Saussure).

1860. *Hesperomys toltecus* SAUSSURE, Revue et magasin de zoologie, 2d ser., XII, p. 98.

1897. *Sigmodon toltecus* ALLEN, Bull. Amer. mus. nat. hist., IX, p. 54. March 15, 1897.

TYPE LOCALITY.—Mountains of the State of Vera Cruz, Mexico.

Genus **ORYZOMYS** Baird.

1857. *Oryzomys* BAIRD, Mamm. N. Amer., p. 458. Type.—*Mus palustris* HARLAN.

Oryzomys alfaroi (Allen).

1891. *Hesperomys (Oryzomys) alfaroi* ALLEN, Bull. Amer. mus. nat. hist., III, p. 214. April 17, 1891.

1894. *Oryzomys alfaroi* ALLEN, Abstract proc. Linn. soc. New York, 1893-1894, p. 36. July 20, 1894.

TYPE LOCALITY. — San Carlos, Costa Rica.

Oryzomys antillarum Thomas.

1898. *Oryzomys antillarum* THOMAS, Ann. and mag. nat. hist., 7th ser., I, p. 177. February, 1898.

TYPE LOCALITY. — Jamaica.

Oryzomys aquaticus Allen.

1891. *Oryzomys aquaticus* ALLEN, Bull. Amer. mus. nat. hist., III, p. 289. June 30, 1891.

TYPE LOCALITY. — Brownsville, Cameron County, Texas.

Oryzomys bulleri Allen.

1897. *Oryzomys bulleri* ALLEN, Bull. Amer. mus. nat. hist., IX, p. 53. March 15, 1897.

TYPE LOCALITY. — Valle de Banderas, Terro Tepic, State of Jalisco, Mexico.

Oryzomys chapmani Thomas.

1898. *Oryzomys chapmani* THOMAS, Ann. and mag. nat. hist., 7th ser., I, p. 179. February, 1898.

TYPE LOCALITY. — Jalapa, State of Vera Cruz, Mexico.

Oryzomys chrysomelas Allen.

1897. *Oryzomys chrysomelas* ALLEN, Bull. Amer. mus. nat. hist., IX, p. 37. March 11, 1897.

TYPE LOCALITY. — Suerre, Costa Rica.

Oryzomys costaricensis Allen.

1893. *Oryzomys costaricensis* ALLEN, Bull. Amer. mus. nat. hist., V, p. 239. September 22, 1893.

TYPE LOCALITY. — El General, Costa Rica. Altitude, 2150 feet.

***Oryzomys couesi** (ALSTON).

1876. *Hesperomys couesi* ALSTON, Proc. zool. soc. London, p. 756.

1885. *Hesperomys couesi* TRUE, Proc. U. S. nat. mus., VII (1884), p. 597. 1885.

1893. *Oryzomys couesi* THOMAS, Ann. and mag. nat. hist., 6th ser., XI, p. 403. May, 1893.

TYPE LOCALITY. — Coban, Guatemala (see Thomas, Ann. and mag. nat. hist., 6th ser., XI, p. 403, May, 1893).

Oryzomys fulgens Thomas.

1893. *Oryzomys fulgens* THOMAS, Ann. and mag. nat. hist., 6th ser., XI, p. 403. May, 1893.

TYPE LOCALITY. — "Mexico."

Oryzomys fulvescens (Saussure).

1860. *Hesperomys fulvescens* SAUSSURE, Revue et magasin de zoologie, 2d ser., XII, p. 102. March, 1860.

1897. *Oryzomys fulvescens* ALLEN and CHAPMAN, Bull. Amer. mus. nat. hist., IX, p. 204. June 16, 1897.

TYPE LOCALITY. — State of Vera Cruz, Mexico.

Oryzomys gracilis Thomas.

1894. *Oryzomys gracilis* THOMAS, Ann. and mag. nat. hist., 6th ser., XIV, p. 358. November, 1894.

1895. *Oryzomys gracilis* THOMAS, Ann. and mag. nat. hist., 6th ser., XVI, p. 57. July, 1895.

TYPE LOCALITY. — Concordia, Medellin, Colombia.

Oryzomys jalapae Allen and Chapman.

1897. *Oryzomys jalapae* ALLEN and CHAPMAN, Bull. Amer. mus. nat. hist. IX, p. 206. June 16, 1897.

TYPE LOCALITY. — Jalapa, State of Vera Cruz, Mexico.

Oryzomys melanotis Thomas.

1893. *Oryzomys melanotis* THOMAS, Ann. and mag. nat. hist., 6th ser., XI, p. 404. May, 1893.

TYPE LOCALITY. — Mineral San Sebastian, State of Jalisco, Mexico.

Oryzomys mexicanus Allen.

1897. *Oryzomys mexicanus* ALLEN, Bull. Amer. mus. nat. hist., IX, p. 52. March 15, 1897.

TYPE LOCALITY. — Hacienda San Marcos, Tonila, State of Jalisco, Mexico.

Oryzomys nelsoni Merriam.

1898. *Oryzomys nelsoni* MERRIAM, Proc. biol. soc. Washington, XII, p. 15. January 27, 1898.

TYPE LOCALITY.—Maria Madre Island, Tres Marias Islands, State of Jalisco, Mexico.

* **Oryzomys palustris** (Harlan).

1837. *Mus palustris* HARLAN, Silliman's Amer. Journ. Sci., xxxi, p. 386.

1857. *Oryzomys palustris* BAIRD, Mamm. N. Amer., p. 459.

1885. *Hesperomys palustris* TRUE, Proc. U. S. Nat. Mus., vii (1884), p. 597. 1885. (Part.)

TYPE LOCALITY.—Fast Land, near Salem, Salem County, New Jersey.

Oryzomys palustris coloratus Bangs.

1898. *Oryzomys palustris coloratus* BANGS, Proc. Boston Soc. Nat. Hist., xxviii, p. 189. March, 1898.

TYPE LOCALITY.—Cape Sable, Monroe County, Florida.

Oryzomys palustris natator Chapman.

1893. *Oryzomys palustris natator* CHAPMAN, Bull. Amer. Mus. Nat. Hist., v, p. 44. March 17, 1893.

TYPE LOCALITY.—Gainesville, Alachua County, Florida.

Oryzomys palustris texensis Allen.

1894. *Oryzomys palustris texensis* ALLEN, Bull. Amer. Mus. Nat. Hist., vi, p. 177. May 31, 1894.

TYPE LOCALITY.—Rockport, Aransas County, Texas.

Oryzomys peninsulæ Thomas.

1897. *Oryzomys peninsulæ* THOMAS, Ann. and Mag. Nat. Hist., 6th ser., xx, p. 548. December, 1897.

TYPE LOCALITY.—Santa Anita, Lower California, Mexico.

Oryzomys talamancae Allen.

1891. *Oryzomys talamancae* ALLEN, Proc. U. S. Nat. Mus., xiv, p. 193. July 24, 1891.

TYPE LOCALITY.—Talamanca, Costa Rica.

Oryzomys victus Thomas.

1898. *Oryzomys victus* THOMAS, Ann. and Mag. Nat. Hist., 7th ser., i, p. 177. February, 1898.

TYPE LOCALITY.—St. Vincent, Lesser Antilles.

Genus **ZYGODONTOMYS** Allen.

1897. *Zygodontomys* ALLEN, Bull. Amer. mus. nat. hist., IX, p. 38. March 11, 1897. Type.—*Oryzomys cherriei* ALLEN.

Zygodontomys cherriei (Allen).

1895. *Oryzomys cherriei* ALLEN, Bull. Amer. mus. nat. hist., VII, p. 329. November 8, 1895.

1897. *Zygodontomys cherriei* ALLEN, Bull. Amer. mus. nat. hist., IX, p. 38. March 11, 1897.

TYPE LOCALITY.—Boruca, Costa Rica.

Genus **SIGMODONTOMYS** Allen.

1897. *Sigmodontomys* ALLEN, Bull. Amer. mus. nat. hist., IX, p. 38. March 11, 1897. Type.—*Sigmodontomys alfari* ALLEN.

Sigmodontomys alfari Allen.

1897. *Sigmodontomys alfari* ALLEN, Bull. Amer. mus. nat. hist., IX, p. 39. March 11, 1897.

TYPE LOCALITY.—Jiménez, Costa Rica. Altitude, 700 feet.

Genus **REITHRODONTOMYS** Giglioli.¹

1873. *Reithrodontomys* GIGLIOLI, Ricerche intorno alla distrib. geog. gener., p. 60. Type.—*Reithrodon* from North America = *Mus leontii* AUDUBON and BACHMAN.

¹ A synopsis was published by Allen in 1895 (Bull. Amer. mus. nat. hist., VII, pp. 107-143, May 21, 1895), but the subsequent increase of nearly 100 per cent in the number of known forms makes it necessary to treat the genus as not revised.

Reithrodontomys arizonensis Allen.

1895. *Reithrodontomys arizonensis* ALLEN, Bull. Amer. mus. nat. hist., VII, p. 134. May 21, 1895.

TYPE LOCALITY.—Chiricahua Mountains, Cochise County, Arizona. Altitude, 8000 feet.

Reithrodontomys australis Allen.

1895. *Reithrodontomys australis* ALLEN, Bull. Amer. mus. nat. hist., VII, p. 328. November 8, 1895.

TYPE LOCALITY.—Volcano of Irazú, Costa Rica.

Reithrodontomys chrysopsis Merriam.

1900. *Reithrodontomys chrysopsis* MERRIAM, Proc. biol. soc. Washington, XIII, p. 152. June 13, 1900.

TYPE LOCALITY.—Mount Popocatepetl, Mexico.

Reithrodontomys chrysotis Elliot.

1899. *Reithrodontomys chrysotis* ELLIOT, Field Columbian mus., publication 37, zool. ser., I, p. 281. May 9, 1899.

TYPE LOCALITY.—Dougherty, Washita River, Indian Territory.

Reithrodontomys costaricensis Allen.

1895. *Reithrodontomys costaricensis* ALLEN, Bull. Amer. mus. nat. hist., VII, p. 139. May 21, 1895.

TYPE LOCALITY.—La Carpintera, Costa Rica. Altitude, 6000 feet.

Reithrodontomys dychei Allen.

1895. *Reithrodontomys dychei* ALLEN, Bull. Amer. mus. nat. hist., VII, p. 120. May 21, 1895.

TYPE LOCALITY.—Lawrence, Douglas County, Kansas.

Reithrodontomys dychei nebrascensis Allen.

1895. *Reithrodontomys dychei nebrascensis* ALLEN, Bull. Amer. mus. nat. hist., VII, p. 122. May 21, 1895.

TYPE LOCALITY.—Kennedy, Cherry County, Nebraska.

Reithrodontomys fulvescens (Allen).

1894. *Reithrodontomys mexicanus fulvescens* ALLEN, Bull. Amer. mus. nat. hist., VI, p. 319. November 7, 1894.

1895. *Reithrodontomys fulvescens* ALLEN, Bull. Amer. mus. nat. hist., VII, p. 138. May 21, 1895.

TYPE LOCALITY.—Oposura, State of Sonora, Mexico.

Reithrodontomys klamathensis Merriam.

1899. *Reithrodontomys klamathensis* MERRIAM, North Amer. fauna, no. 16, p. 93. October 28, 1899.

TYPE LOCALITY. — Big Spring (Mayten), Shasta Valley, Siskiyou County, California.

Reithrodontomys laceyi Allen.

1896. *Reithrodontomys laceyi* ALLEN, Bull. Amer. mus. nat. hist., VIII, p. 235. November 21, 1896.

TYPE LOCALITY. — Watson's Ranch, fifteen miles south of San Antonio, Bexar County, Texas.

*** Reithrodontomys leontii** (Audubon and Bachman).

1842. *Mus leontii* AUDUBON and BACHMAN, Journ. acad. nat. sci. Phila., VIII, pt. II, p. 307.

1885. *Ochetodon humilis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 598. 1885. (Part.)

1895. *Reithrodontomys leontii* ALLEN, Bull. Amer. mus. nat. hist., VII, p. 116. May 21, 1895.

TYPE LOCALITY. — Georgia; probably the Le Conte plantation, near Riceboro, Liberty County.

Reithrodontomys leontii dickensoni (Rhoads).

1895. *Reithrodontomys humilis dickensoni* RHOADS, Amer. nat., XXIX, p. 590. June, 1895.

1898. *Reithrodontomys leontii dickensoni* BANGS, Proc. Boston soc. nat. hist., XXVIII, p. 186. March, 1898.

TYPE LOCALITY. — Willow Oak, Pasco County, Florida.

Reithrodontomys leontii impiger Bangs.

1898. *Reithrodontomys leontii impiger* BANGS, Proc. biol. soc. Washington, XII, p. 167. August 10, 1898.

TYPE LOCALITY. — White Sulphur Springs, Greenbrier County, West Virginia.

*** Reithrodontomys longicauda** (Baird).

1857. *Reithrodon longicauda* BAIRD, Mamm. N. Amer., p. 451.

1885. *Ochetodon longicauda* TRUE, Proc. U. S. nat. mus., VII (1884), p. 598. 1885.

1895. *Reithrodontomys longicauda* ALLEN, Bull. Amer. mus. nat. hist., VII, p. 129. May 21, 1895.

TYPE LOCALITY. — Petaluma, Sonoma County, California.

Reithrodontomys longicauda pallidus (Rhoads).

1893. *Reithrodontomys pallidus* RHOADS, Amer. nat., xxvii, p. 835. September, 1893.

1895. *Reithrodontomys longicauda pallidus* ALLEN, Bull. Amer. mus. nat. hist., vii, p. 131. May 21, 1895.

TYPE LOCALITY. — Santa Ysabel, San Jacinto Mountains, San Diego County, California.

Reithrodontomys megalotis (Baird).

1857. *Reithrodon megalotis* BAIRD, Mamm. N. Amer., p. 451.

1893. *Reithrodontomys megalotis* ALLEN, Bull. Amer. mus. nat. hist., v, p. 79. April 28, 1893.

TYPE LOCALITY. — Between Janos and San Luis Springs, State of Sonora, Mexico, near border of Grant County, New Mexico.

Reithrodontomys megalotis deserti Allen.

1895. *Reithrodontomys megalotis deserti* ALLEN, Bull. Amer. mus. nat. hist., vii, p. 127. May 21, 1895.

TYPE LOCALITY. — Oasis Valley, Nye County, Nevada.

Reithrodontomys merriami Allen.

1895. *Reithrodontomys merriami* ALLEN, Bull. Amer. mus. nat. hist., vii, p. 119. May 21, 1895.

TYPE LOCALITY. — Austin Bayou, near Alvin, Brazoria County, Texas.

***Reithrodontomys mexicanus** (Saussure).

1860. *Reithrodon mexicanus* SAUSSURE, Revue et magasin de zoologie, 2d ser., xii, p. 109.

1885. *Ochetodon mexicanus* TRUE, Proc. U. S. nat. mus., vii (1884), p. 598. 1885.

1895. *Reithrodontomys mexicanus* ALLEN, Bull. Amer. mus. nat. hist., vii, p. 135. May 21, 1895.

TYPE LOCALITY. — Mountains of Vera Cruz, Mexico.

Reithrodontomys mexicanus aurantius Allen.

1895. *Reithrodontomys mexicanus aurantius* ALLEN, Bull. Amer. mus. nat. hist., vii, p. 137. May 21, 1895.

TYPE LOCALITY. — Lafayette, Lafayette Parish, Louisiana.

Reithrodontomys mexicanus gracilis Allen and Chapman.

1897. *Reithrodontomys mexicanus gracilis* ALLEN and CHAP-

MAN, Bull. Amer. mus. nat. hist., ix, p. 9. February 23, 1897.
 TYPE LOCALITY. — Chichen-Itza, Yucatan.

Reithrodontomys mexicanus intermedius Allen.

1895. *Reithrodontomys mexicanus intermedius* ALLEN, Bull. Amer. mus. nat. hist., vii, p. 136. May 21, 1895.

TYPE LOCALITY. — Brownsville, Cameron County, Texas.

* **Reithrodontomys montanus** (Baird).

1855. *Reithrodon montanus* BAIRD, Proc. acad. nat. sci. Phila., p. 335.

1885. *Ochetodon montanus* TRUE, Proc. U. S. nat. mus., vii (1884), p. 598. 1885.

1893. *Reithrodontomys montanus* ALLEN, Bull. Amer. mus. nat. hist., v, p. 80. April 28, 1893.

TYPE LOCALITY. — Probably near the upper end of the San Luis Valley, Saguache County, Colorado (see Allen, Bull. Amer. mus. nat. hist., vii, p. 124, May 21, 1895).

Reithrodontomys rufescens Allen and Chapman.

1897. *Reithrodontomys rufescens* ALLEN and CHAPMAN, Bull. Amer. mus. nat. hist., ix, p. 199. June 16, 1897.

TYPE LOCALITY. — Jalapa, State of Vera Cruz, Mexico.

Reithrodontomys saturatus Allen and Chapman.

1897. *Reithrodontomys saturatus* ALLEN and CHAPMAN, Bull. Amer. mus. nat. hist., ix, p. 201. June 16, 1897.

TYPE LOCALITY. — Las Vigas, State of Vera Cruz, Mexico.

Reithrodontomys sumichrasti (Saussure).

1861. *Reithrodon sumichrasti* SAUSSURE, Revue et magasin de zoologie, 2d ser., xiii, p. 3.

1895. *Reithrodontomys sumichrasti* ALLEN, Bull. Amer. mus. nat. hist., vii, p. 110. May 21, 1895.

TYPE LOCALITY. — Mexico, probably in the State of Vera Cruz.

Regarded by Allen (Bull. Amer. mus. nat. hist., vii, p. 135, May 21, 1895) as identical with *R. mexicanus*.

Reithrodontomys tenuis Allen.

1899. *Reithrodontomys tenuis* ALLEN, Bull. Amer. mus. nat. hist., xii, p. 15. March 4, 1899.

TYPE LOCALITY. — Rosario, State of Sinaloa, Mexico.

Genus **AKODON** Meyen.

1833. *Akodon* MEYEN, Nova acta phys. med. acad. caes. Leop.-Card., XVI, pt. II, p. 599. Type.—*Akodon boliviense* MEYEN.

For the use of this name in place of *Abrothrix* Waterhouse (Proc. zool. soc. London, 1837, p. 21), see Thomas, Ann. and mag. nat. hist., 6th ser., XIV, p. 360, November, 1894.

* **Akodon teguina** (Alston).¹

1876. *Hesperomys teguina* ALSTON, Proc. zool. soc. London, p. 755.

1885. *Hesperomys teguina* TRUE, Proc. U. S. nat. mus., VII (1884), p. 598. 1885.

1897. [*Akodon*] *teguina* TROUESSART, Catal. mamm., pt. III, p. 537.

TYPE LOCALITY.—Coban, Guatemala.

Subfamily NEOTOMINAE.²Genus **NEOTOMA** Say and Ord.³

1825. *Neotoma* SAY and ORD, Journ. acad. nat. sci. Phila., IV, pt. II, p. 345. Type.—*Mus floridana* ORD.

¹ *Oryzomys chrysomelas* Allen was originally recorded (Allen, Bull. Amer. mus. nat. hist., III, p. 210, April 17, 1891) as *Hesperomys* [= *Akodon*] *caliginosus* Tomes.

² In 1894 Merriam published a partial revision of this group (Proc. acad. nat. sci. Phila., 1894, pp. 225-252, September 24, 1894).

³ The bushy-tailed species (*N. cinerea* and its allies) are regarded by Merriam (Proc. biol. soc. Washington, VIII, p. 112, July 31, 1893, and Proc. acad. nat. sci. Phila., 1894, p. 242, September 24, 1894) as forming the subgenus *Teonoma* Gray (List of the specimens of mammalia in the British museum, p. 117, 1843). As the boundaries between this group and typical *Neotoma* have not been clearly defined, no attempt is here made to maintain the distinction.

Neotoma anthonyi Allen.

1898. *Neotoma anthonyi* ALLEN, Bull. Amer. mus. nat. hist., x, p. 151. April 12, 1898.

TYPE LOCALITY. — Todos Santos Island, Lower California, Mexico.

Neotoma arenacea Allen.

1898. *Neotoma arenacea* ALLEN, Bull. Amer. mus. nat. hist., x, p. 150. April 12, 1898.

TYPE LOCALITY. — San José del Cabo, Lower California, Mexico.

Neotoma arizonae Merriam.

1893. *Neotoma arizonae* MERRIAM, Proc. biol. soc. Washington, VIII, p. 110. July 31, 1893.

TYPE LOCALITY. — Keams Canyon, Apache County, Arizona.

Neotoma attwateri Mearns.

1897. *Neotoma attwateri* MEARNs, Proc. U. S. nat. mus., XIX, p. 721. July 30, 1897.

TYPE LOCALITY. — Lacey's Ranch, Turtle Creek, Kerr County, Texas.

Neotoma baileyi Merriam.

1894. *Neotoma baileyi* MERRIAM, Proc. biol. soc. Washington, IX, p. 123. July 2, 1894.

TYPE LOCALITY. — Valentine, Cherry County, Nebraska.

Neotoma bella Bangs.

1899. *Neotoma bella* BANGS, Proc. New England zool. club, I, p. 66. July 31, 1899.

TYPE LOCALITY. — Palm Springs, Riverside County, California.

Neotoma bryanti Merriam.

1887. *Neotoma bryanti* MERRIAM, Amer. nat., XXI, p. 191. February, 1887.

TYPE LOCALITY. — Cerros Island, Lower California, Mexico.

Neotoma californica Price.

1894. *Neotoma californica* PRICE, Proc. Cal. acad. sci., 2d ser., IV, p. 154. May 9, 1894.

TYPE LOCALITY. — Bear Valley, San Benito County, California.

Regarded by Merriam (Proc. acad. nat. sci. Phila., 1894, p. 247, September 24, 1894) as identical with *N. intermedia*.

Neotoma campestris Allen.

1894. *Neotoma campestris* ALLEN, Bull. Amer. mus. nat. hist., VI, p. 322. November 7, 1894.

TYPE LOCALITY. — Pendennis, Lane County, Kansas.

* **Neotoma cinerea** (Ord).

1815. *Mus cinereus* ORD, Guthrie's geog., 2d Amer. ed., II, p. 292.

1857. *Neotoma cinerea* BAIRD, Mamm. N. Amer., p. 499.

1885. *Neotoma cinerea* TRUE, Proc. U. S. nat. mus., VII (1884), p. 598. 1885.

TYPE LOCALITY. — Near Great Falls, Cascade County, Montana.

Neotoma cinerea columbiana Elliot.

1899. *Neotoma c[inerea] columbiana* ELLIOT, Field Columbian mus., publication 32, zool. ser., I, p. 255. March, 1899.

TYPE LOCALITY. — Ducks, British Columbia, Canada.

Neotoma cinerea drummondi (Richardson).

1828. *Myoxus drummondi* RICHARDSON, Zool. journ., III, p. 517.

1892. *Neotoma cinerea drummondi* MERRIAM, Proc. biol. soc. Washington, VII, p. 25. April 13, 1892.

TYPE LOCALITY. — Rocky Mountains, British Columbia, Canada, at about lat. 57°.

Neotoma cinerea fusca (True).

1894. *Neotoma occidentalis fusca* TRUE, Diagnoses of some undescribed wood rats (genus *Neotoma*) in the national museum, p. 2. June 27, 1894. (Reprint: Proc. U. S. nat. mus., XVII, p. 354. November 15, 1894.)

1897. [*Neotoma*] *cinerea fusca* TROUESSART, Catal. mamm., pt. III, p. 544.

TYPE LOCALITY. — Fort Umpqua, Douglas County, Oregon.

Neotoma cinerea occidentalis (Baird).

1855. *Neotoma occidentalis* BAIRD, Proc. acad. nat. sci. Phila., p. 335.

1891. *Neotoma cinerea occidentalis* MERRIAM, North Amer. fauna, no. 5, p. 58. July 30, 1891.

TYPE LOCALITY.— Shoalwater Bay, Pacific County, Washington.

Neotoma cinnamomea Allen.

1895. *Neotoma cinnamomea* ALLEN, Bull. Amer. mus. nat. hist., VII, p. 331. November 8, 1895.

TYPE LOCALITY.— Kinney Ranch, Bitter Creek, Sweetwater County, Wyoming.

Neotoma cumulator Mearns.

1897. *Neotoma cumulator* MEARNS, Preliminary diagnoses of new mammals of the genera *Sciurus*, *Castor*, *Neotoma*, and *Sigmodon*, from the Mexican border of the United States, p. 3. March 5, 1897. (Reprint: Proc. U. S. nat. mus., XX, p. 503. January 19, 1898.)

TYPE LOCALITY.— Old Fort Yuma, San Diego County, California.

Neotoma desertorum Merriam.

1894. *Neotoma desertorum* MERRIAM, Proc. biol. soc. Washington, IX, p. 125. July 2, 1894.

TYPE LOCALITY.— Furnace Creek, Death Valley, Inyo County, California.

Neotoma desertorum sola Merriam.

1894. *Neotoma desertorum sola* MERRIAM, Proc. biol. soc. Washington, IX, p. 126. July 2, 1894.

TYPE LOCALITY.— San Emigdio, Kern County, California.

Neotoma fallax Merriam.

1894. *Neotoma fallax* MERRIAM, Proc. biol. soc. Washington, IX, p. 123. July 2, 1894.

TYPE LOCALITY.— Gold Hill, Boulder County, Colorado.

* **Neotoma ferruginea** Tomes.

1861. *Neotoma ferruginea* TOMES, Proc. zool. soc. London, p. 282.

1885. *Neotoma ferruginea* TRUE, Proc. U. S. nat. mus., VII (1884), p. 598. 1885.

TYPE LOCALITY.— Dueñas, Guatemala.

* **Neotoma floridana** (Ord).

1818. *Mus floridana* ORD, Bull. soc. philom. Paris, p. 181. December, 1818.

1825. *N[eotoma] floridana* SAY and ORD, Journ. acad. nat. sci. Phila., iv, pt. II, p. 346.

1885. *Neotoma floridana* TRUE, Proc. U. S. nat. mus., VII (1884), p. 598. 1885.

TYPE LOCALITY.—St. John's River, Florida; probably near Jacksonville, Duval County (see Bangs, Proc. Boston soc. nat. hist., xxviii, p. 184, March, 1898).

***Neotoma floridana rubida* Bangs.**

1898. *Neotoma floridana rubida* BANGS, Proc. Boston soc. nat. hist., xxviii, p. 185. March, 1898.

TYPE LOCALITY.—Gibson, Terrebonne Parish, Louisiana.

***Neotoma fulviventor* Merriam.**

1894. *Neotoma fulviventor* MERRIAM, Proc. biol. soc. Washington, IX, p. 121. July 2, 1894.

TYPE LOCALITY.—Toluca Valley, State of Mexico, Mexico.

* ***Neotoma fuscipes* Baird.**

1857. *Neotoma fuscipes* BAIRD, Mamm. N. Amer., p. 495.

1885. *Neotoma fuscipes* TRUE, Proc. U. S. nat. mus., VII (1884), p. 598. 1885.

TYPE LOCALITY.—Petaluma, Sonoma County, California.

***Neotoma fuscipes affinis* Elliot.**

1898. *Neotoma fuscipes affinis* ELLIOT, Field Columbian mus., publication 30, zool. ser., I, p. 202. March, 1898.

TYPE LOCALITY.—Alum Rock Park, Santa Clara County, California.

***Neotoma fuscipes annectens* Elliot.**

1898. *Neotoma fuscipes annectens* ELLIOT, Field Columbian mus., publication 30, zool. ser., I, p. 201. March, 1898.

TYPE LOCALITY.—Portola, San Mateo County, California.

***Neotoma fuscipes dispar* Merriam.**

1894. *Neotoma fuscipes dispar* MERRIAM, Proc. biol. soc. Washington, IX, p. 124. July 2, 1894.

TYPE LOCALITY.—Lone Pine, Owens Valley, Inyo County, California.

***Neotoma fuscipes macrotis* (Thomas).**

1893. *Neotoma macrotis* THOMAS, Ann. and mag. nat. hist., 6th ser., XII, p. 234. September, 1893.

1894. *Neotoma fuscipes macrotis* MERRIAM, Proc. acad. nat. sci. Phila., p. 246. September 25, 1894.

TYPE LOCALITY.— San Diego, San Diego County, California.

Neotoma fuscipes simplex (True).

1894. *Neotoma macrotis simplex* TRUE, Diagnoses of some undescribed wood rats (genus *Neotoma*) in the national museum, p. 2. June 27, 1894. (Reprint: Proc. U. S. nat. mus., xvii, p. 354. November 15, 1894.)

TYPE LOCALITY.— Old Fort Tejon, in mountains south of Kern Lake, Kern County, California.

Regarded by Merriam (Proc. acad. nat. sci. Phila., 1894, p. 246, September 24, 1894) as identical with *N. fuscipes macrotis*.

Neotoma fuscipes streator Merriam.

1894. *Neotoma fuscipes streator* MERRIAM, Proc. biol. soc. Washington, ix, p. 124. July 2, 1894.

TYPE LOCALITY.— Carbondale, Amador County, California.

Neotoma grangeri Allen.

1894. *Neotoma grangeri* ALLEN, Bull. Amer. mus. nat. hist., vi, p. 324. November 7, 1894.

TYPE LOCALITY.— Custer, Black Hills, Custer County, South Dakota.

Neotoma intermedia Rhoads.

1894. *Neotoma intermedia* RHOADS, Amer. nat., xxviii, p. 69. January, 1894.

TYPE LOCALITY.— Dulzura, San Diego County, California.

Neotoma intermedia albigula (Hartley).

1894. *Neotoma albigula* HARTLEY, Proc. Cal. acad. sci., 2d ser., iv, p. 157. May 9, 1894.

1894. *Neotoma intermedia albigula* MERRIAM, Proc. acad. nat. sci. Phila., p. 248. September 24, 1894.

TYPE LOCALITY.— Vicinity of Fort Lowell, near Tucson, Pima County, Arizona.

Neotoma intermedia angusticeps Merriam.

1894. *Neotoma intermedia angusticeps* MERRIAM, Proc. biol. soc. Washington, ix, p. 127. July 2, 1894.

TYPE LOCALITY.— S. W. corner of Grant County, New Mexico.

Neotoma intermedia gilva Rhoads.

1894. *Neotoma intermedia gilva* RHOADS, Amer. nat., xxviii, p. 70. January, 1894.

TYPE LOCALITY.—Banning, San Bernardino County, California.

Regarded by Merriam (Proc. acad. nat. sci. Phila., 1894, p. 247, September 24, 1894) as identical with *N. intermedia*.

Neotoma intermedia melanura Merriam.

1894. *Neotoma intermedia melanura* MERRIAM, Proc. biol. soc. Washington, ix, p. 126. July 2, 1894.

TYPE LOCALITY.—Ortiz, State of Sonora, Mexico.

Neotoma latifrons Merriam.

1894. *Neotoma latifrons* MERRIAM, Proc. biol. soc. Washington, ix, p. 121. July 2, 1894.

TYPE LOCALITY.—Querendaro, State of Michoacan, Mexico.

Neotoma lepida Thomas.

1893. *Neotoma lepida* THOMAS, Ann. and mag. nat. hist., 6th ser., xii, p. 235. September, 1893.

TYPE LOCALITY.—Williams Spring, about lat. 40°, long. 113°, just south of Champlin Mts., Juab County, Utah. Altitude, 4558 feet.

Regarded by Merriam (Proc. acad. nat. sci. Phila., 1894, p. 248, September 24, 1894) as identical with *N. arizonae*, and by Miller (Proc. New England zool. club, i, p. 66, July 31, 1899) as closely related to *N. desertorum*.

Neotoma leucodon Merriam.

1894. *Neotoma leucodon* MERRIAM, Proc. biol. soc. Washington, ix, p. 120. July 2, 1894.

TYPE LOCALITY.—San Luis Potosi, State of San Luis Potosi, Mexico.

Neotoma mexicana Baird.

1855. *Neotoma mexicana* BAIRD, Proc. acad. nat. sci. Phila., vii, p. 333. April, 1855.

1894. *Neotoma mexicana* MERRIAM, Proc. biol. soc. Washington, ix, p. 118. July 2, 1894.

TYPE LOCALITY.—Mountains near Chihuahua, State of Chihuahua, Mexico.

Neotoma mexicana bullata Merriam.

1894. *Neotoma mexicana bullata* MERRIAM, Proc. biol. soc. Washington, IX, p. 122. July 2, 1894.

TYPE LOCALITY.—Santa Catalina Mountains, Arizona.

Neotoma micropus Baird.

1855. *Neotoma micropus* BAIRD, Proc. acad. nat. sci. Phila., p. 333. April, 1855.

1891. *Neotoma micropus* ALLEN, Bull. Amer. mus. nat. hist., III, p. 282. June 30, 1891.

TYPE LOCALITY.—Charco Escondido, State of Tamaulipas, Mexico.

Neotoma micropus canescens Allen.

1891. *Neotoma micropus canescens* ALLEN, Bull. Amer. mus. nat. hist., III, p. 285. June 30, 1891.

TYPE LOCALITY.—North Beaver Creek, Pan Handle of Oklahoma.

Regarded by Merriam (Proc. acad. nat. sci. Phila., 1894, p. 244, September 24, 1894) as identical with *N. micropus*.

Neotoma micropus surberi Elliot.

1899. *Neotoma macropus* (*sic*) *surberi* ELLIOT, Field Columbian mus., publication 37, zool. ser., I, p. 279. May 9, 1899.

TYPE LOCALITY.—Canyon three miles west of Alva, Woods County, Oklahoma.

Neotoma monochroua Rhoads.

1894. *Neotoma monochroua* RHOADS, Amer. nat., XXVIII, p. 67. January, 1894.

TYPE LOCALITY.—Grant's Pass, Josephine County, Oregon.

Regarded by Merriam (Proc. acad. nat. sci. Phila., 1894, p. 246, September 24, 1894) as identical with *N. fuscipes*.

Neotoma orizabae Merriam.

1894. *Neotoma orizabae* MERRIAM, Proc. biol. soc. Washington, IX, p. 122. July 2, 1894.

TYPE LOCALITY.—Mt. Orizaba, State of Puebla, Mexico.

Neotoma orolestes Merriam.

1894. *Neotoma orolestes* MERRIAM, Proc. biol. soc. Washington, IX, p. 128. July 2, 1894.

TYPE LOCALITY.—Saguache Valley, twenty miles west of Saguaché, Saguache County, Colorado.

Neotoma pennsylvanica Stone.

1893. *Neotoma pennsylvanica* STONE, Proc. acad. nat. sci. Phila., p. 16. February, 1893.

TYPE LOCALITY.— South Mountain, Cumberland County, Pennsylvania.

Regarded by Rhoads (Proc. acad. nat. sci. Phila., 1894, pp. 213–231) as identical with the subfossil *N. magister* BAIRD (Mamm. N. Amer., p. 498, 1857) of the Pennsylvania cave deposits, and by Mearns (Bull. Amer. mus. nat. hist., x, pp. 334–335, September 9, 1898) as a distinct species.

Neotoma pinetorum Merriam.

1893. *Neotoma pinetorum* MERRIAM, Proc. biol. soc. Washington, VIII, p. 111. July 31, 1893.

TYPE LOCALITY.— San Francisco Mountain, Coconino County, Arizona.

Neotoma rupicola Allen.

1894. *Neotoma rupicola* ALLEN, Bull. Amer. mus. nat. hist., VI, p. 323. November 7, 1894.

TYPE LOCALITY.— Corral Draw, Pine River Indian Reservation, southeastern base of Black Hills, South Dakota. Altitude, about 3700 feet.

Neotoma saxamans Osgood.

1900. *Neotoma saxamans* OSGOOD, North Amer. fauna, no. 19, p. 33. October 6, 1900.

TYPE LOCALITY.— Bennett City, head of Lake Bennett, British Columbia, Canada.

Neotoma sinaloae Allen.

1898. *Neotoma sinaloae* ALLEN, Bull. Amer. mus. nat. hist., x, p. 149. April 12, 1898.

TYPE LOCALITY.— Tatameles, State of Sinaloa, Mexico.

Neotoma splendens True.

1894. *Neotoma splendens* TRUE, Diagnoses of some undescribed wood rats (genus *Neotoma*) in the national museum, p. 1. June 27, 1894. (Reprint: Proc. U. S. nat. mus., XVII, p. 353. November 15, 1894.)

TYPE LOCALITY.— Marin County, California.

Regarded by Merriam (Proc. acad. nat. sci. Phila., 1894, p. 246, September 24, 1894) as identical with *N. fuscipes*.

Neotoma tenuicauda Merriam.

1892. *Neotoma tenuicauda* MERRIAM, Proc. biol. soc. Washington, VII, p. 169. September 29, 1892.

TYPE LOCALITY.—North slope of the Sierra Nevada of Colima, State of Colima, Mexico. Altitude, 12,000 feet.

Neotoma torquata Ward.

1891. *Neotoma torquata* WARD, Amer. nat., XXV, p. 160. February, 1891.

TYPE LOCALITY.—An abandoned tunnel, between Tetela del Volcan and Zacualpan, State of Morelos, Mexico.

Neotoma venusta True.

1894. *Neotoma venusta* TRUE, Diagnoses of some undescribed wood rats (genus *Neotoma*) in the national museum, p. 2. June 27, 1894. (Reprint: Proc. U. S. nat. mus., XVII, p. 354. November 15, 1894.)

TYPE LOCALITY.—Carrizo Creek, San Diego County, California.

Regarded by Merriam (Proc. acad. nat. sci. Phila., 1894, p. 247, September 24, 1894) as identical with *N. intermedia*.

Genus **NELSONIA** Merriam.

1897. *Nelsonia* MERRIAM, Proc. biol. soc. Washington, XI, p. 277. December 17, 1897. Type.—*Nelsonia neotomodon* MERRIAM.

Nelsonia neotomodon Merriam.

1897. *Nelsonia neotomodon* MERRIAM, Proc. biol. soc. Washington, XI, p. 278. December 17, 1897.

TYPE LOCALITY.—Mountains near Plateado, State of Zacatecas, Mexico. Altitude, 8200 feet.

Genus **XENOMYS** Merriam.

1892. *Xenomys* MERRIAM, Proc. biol. soc. Washington, VII, p. 160. September 29, 1892. Type.—*Xenomys nelsoni* MERRIAM.

Xenomys nelsoni Merriam.

1892. *Xenomys nelsoni* MERRIAM, Proc. biol. soc. Washington, VII, p. 161. September 29, 1892.

TYPE LOCALITY.—Hacienda Magdalena, between the City of Colima and Manzanillo, State of Colima, Mexico.

Genus **NEOTOMODON** Merriam.

1898. *Neotomodon* MERRIAM, Proc. biol. soc. Washington, XII, p. 127. April 30, 1898. Type.—*Neotomodon alstoni* MERRIAM.

Neotomodon alstoni Merriam.

1898. *Neotomodon alstoni* MERRIAM, Proc. biol. soc. Washington, XII, p. 128. April 30, 1898.

TYPE LOCALITY.—Nahuatzin, State of Michoacan, Mexico. Altitude, 8500 feet.

Neotomodon orizabae Merriam.

1898. *Neotomodon orizabae* MERRIAM, Proc. biol. soc. Washington, XII, p. 129. April 30, 1898.

TYPE LOCALITY.—Mount Orizaba, State of Puebla, Mexico. Altitude, 9500 feet.

Neotomodon perotensis Merriam.

1898. *Neotomodon perotensis* MERRIAM, Proc. biol. soc. Washington, XII, p. 129. April 30, 1898.

TYPE LOCALITY.—Cofre de Perote, State of Vera Cruz, Mexico. Altitude, 9500 feet.

Genus **HODOMYS** Merriam.

1894. *Hodomys* MERRIAM, Proc. acad. nat. sci. Phila., p. 232.
September 24, 1894. Type.—*Neotoma alleni* MERRIAM.

Hodomys alleni (Merriam).

1892. *Neotoma alleni* MERRIAM, Proc. biol. soc. Washington,
VII, p. 168. September 29, 1892.

1894. *Hodomys alleni* MERRIAM, Proc. acad. nat. sci. Phila.,
p. 235. September 24, 1894.

TYPE LOCALITY.—Manzanillo, State of Colima, Mexico.

Hodomys vetulus Merriam.

1894. *Hodomys vetulus* MERRIAM, Proc. acad. nat. sci. Phila.,
p. 236. September 24, 1894.

TYPE LOCALITY.—Tehuacan, State of Puebla, Mexico.

Subfamily MICROTINAE.¹Genus **PHENACOMYS** Merriam.²

1889. *Phenacomys* MERRIAM, North Amer. fauna, no. 2, p. 28.
October 30, 1889. Type.—*Phenacomys intermedius* MERRIAM.

Phenacomys intermedius Merriam.

1889. *Phenacomys intermedius* MERRIAM, North Amer. fauna,
no. 2, p. 32. October 30, 1889.

TYPE LOCALITY.—Basaltic plateau about twenty miles N. N. W.
of Kamloops, British Columbia, Canada. Altitude, 5500 feet.

Phenacomys orophilus Merriam.

1891. *Phenacomys orophilus* MERRIAM, North Amer. fauna,
no. 5, p. 65. July 30, 1891.

¹ Genera and subgenera revised by Miller, North Amer. fauna, no. 12. July 23, 1896.

² Revised by Miller, Proc. biol. soc. Washington, XI, pp. 77-87. April 21, 1897.

TYPE LOCALITY.— Salmon River Mountains, Idaho (near head of Timber Creek). Altitude, 10,500 feet.

Phenacomys olympicus Elliot.

1899. *Phenacomys olympicus* ELLIOT, Field Columbian mus., publication 30, zool. ser., 1, p. 225. February 1, 1899.

TYPE LOCALITY.— Happy Lake, Olympic Mountains, Clallam County, Washington. Altitude, 5000 feet.

Phenacomys preblei Merriam.

1897. *Phenacomys preblei* MERRIAM, Proc. biol. soc. Washington, XI, p. 45. March 16, 1897.

TYPE LOCALITY.— Twin Peak, near Long's Peak, Boulder County, Colorado. Altitude, 9000 feet.

Phenacomys constablei Allen.

1899. *Phenacomys constablei* ALLEN, Bull. Amer. mus. nat. hist., XII, p. 4. March 4, 1899.

TYPE LOCALITY.— Telegraph Creek, Yukon, Canada.

Phenacomys latimanus Merriam.

1889. *Phenacomys latimanus* MERRIAM, North Amer. fauna, no. 2, p. 34. October 30, 1889.

TYPE LOCALITY.— Fort Chimo, Ungava, Labrador.

Phenacomys celatus Merriam.

1889. *Phenacomys celatus* MERRIAM, North Amer. fauna, no. 2, p. 33. October 30, 1889.

TYPE LOCALITY.— Godbout, Quebec, Canada.

The name *ungava* MERRIAM (North Amer. fauna, no. 2, p. 35, October 30, 1889; type locality, Fort Chimo, Ungava, Labrador) was adopted for this species by Miller (Proc. biol. soc. Washington, XI, p. 84, April 21, 1897).

Phenacomys celatus crassus Bangs.

1900. *Phenacomys celatus crassus* BANGS, Proc. New England zool. club, II, p. 39. September 20, 1900.

TYPE LOCALITY.— Rigoulette, Hamilton Inlet, Labrador.

Phenacomys longicaudus True.

1890. *Phenacomys longicaudus* TRUE, Proc. U. S. nat. mus., XIII, p. 303. November 15, 1890.

TYPE LOCALITY.— Marshfield, Coos County, Oregon.

Genus **EVOTOMYS** Coues.¹

1874. *Evotomys* COUES, Proc. acad. nat. sci. Phila., p. 186.
December 15, 1874. Type.—*Mus rutilus* PALLAS.

Evotomys caurinus Bailey.

1898. *Evotomys caurinus* BAILEY, Proc. biol. soc. Washington, XII, p. 21. January 27, 1898.

TYPE LOCALITY.—Lund, east shore of Malaspina Inlet, British Columbia, Canada.

Evotomys wrangeli Bailey.

1897. *Evotomys wrangeli* BAILEY, Proc. biol. soc. Washington, XI, p. 120. May 13, 1897.

TYPE LOCALITY.—Wrangel, Wrangel Island, Alaska.

Evotomys dawsoni Merriam.

1888. *Evotomys dawsoni* MERRIAM, Amer. nat., XXII, p. 650. July, 1888.

TYPE LOCALITY.—Finlayson River, a northern source of the Liard River, lat. 61° 30' N., long. 129° 30' W., Yukon, Canada. Altitude, 3000 feet.

* **Evotomys alascensis** Miller.

1885. *Evotomys rutilus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 596. 1885.

1898. *Evotomys alascensis* MILLER, Proc. acad. nat. sci. Phila., p. 364. October 15, 1898.

TYPE LOCALITY.—St. Michaels, Norton Sound, Alaska.

Regarded by Osgood (North Amer. fauna, no. 19, p. 35, October 6, 1900) as a form of *E. dawsoni*.

Evotomys orca Merriam.

1900. *Evotomys orca* MERRIAM, Proc. Washington acad. sci., II, p. 24. March 14, 1900.

TYPE LOCALITY.—Orca, Prince William Sound, Alaska.

* **Evotomys gapperi** (Vigors).

1830. *Arvicola gapperi* VIGORS, Zool. journ., v, p. 204.

¹ Revised by Bailey, Proc. biol. soc. Washington, XI, pp. 113-138. May 13, 1897.

1885. *Evotomys rutilus gapperi* TRUE, Proc. U. S. nat. mus., VII (1884), p. 596. 1885.

1891. *E[votomys] gapperi* MERRIAM, North Amer. fauna, no. 5, p. 119. July 30, 1891.

TYPE LOCALITY. — Vicinity of Lake Simcoe, Ontario, Canada.

Evotomys gapperi ochraceus Miller.

1894. *Evotomys gapperi ochraceus* MILLER, Proc. Boston soc. nat. hist., XXVI, p. 193. March 24, 1894.

TYPE LOCALITY.—Mount Washington, Coos County, New Hampshire. Altitude, 5500 feet.

Evotomys gapperi rhoadsi Stone.

1893. *Evotomys gapperi rhoadsi* STONE, Amer. nat., XXVII, p. 55. January, 1893.

TYPE LOCALITY.—May's Landing, Atlantic County, New Jersey.

Regarded by Miller (Bull. N. Y. state mus., VIII, p. 111, November 21, 1900) as a distinct species.

Evotomys gapperi loringi Bailey.

1897. *Evotomys gapperi loringi* BAILEY, Proc. biol. soc. Washington, XI, p. 125. May 13, 1897.

TYPE LOCALITY. — Portland, Traill County, North Dakota.

Evotomys gapperi galei (Merriam).

1890. *Evotomys galei* MERRIAM, North Amer. fauna, no. 4, p. 23. October 8, 1890.

1897. *Evotomys gapperi galei* BAILEY, Proc. biol. soc. Washington, XI, p. 126. May 13, 1897.

TYPE LOCALITY. — Ward, Boulder County, Colorado. Altitude 9500 feet.

Evotomys gapperi saturatus Rhoads.

1894. *Evotomys gapperi saturatus* RHOADS, Proc. acad. nat. sci. Phila., p. 284. October 23, 1894.

TYPE LOCALITY.—Nelson, British Columbia, Canada, on the Kootenay River, thirty miles north of the northern boundary of Washington.

Evotomys brevicaudus (Merriam).

1891. *Evotomys gapperi brevicaudus* MERRIAM, North Amer. fauna, no. 5, p. 119. July 30, 1891.

1897. *Evotomys brevicaudus* BAILEY, Proc. biol. soc. Washington, XI, p. 129. May 13, 1897.

TYPE LOCALITY.—Three miles north of Custer, Black Hills, Custer County, South Dakota. Altitude, about 6000 feet.

Evotomys carolinensis Merriam.

1888. *Evotomys carolinensis*. MERRIAM, Amer. Journ. Sci., 3d. ser., xxxvi, p. 460. December, 1888.

TYPE LOCALITY.—Roan Mountain, Mitchell County, North Carolina. Altitude, 6000 feet.

Evotomys ungava Bailey.

1897. *Evotomys ungava* BAILEY, Proc. biol. soc. Washington, XI, p. 130. May 13, 1897.

TYPE LOCALITY.—Fort Chimo, Ungava, Labrador.

Evotomys idahoensis Merriam.

1891. *Evotomys idahoensis* MERRIAM, North Amer. fauna, no. 5, p. 66. July 30, 1891.

TYPE LOCALITY.—Sawtooth (or Alturas) Lake, east base of Sawtooth Mountains, Idaho. Altitude, 7200 feet.

Evotomys mazama Merriam.

1897. *Evotomys mazama* MERRIAM, Proc. biol. soc. Washington, XI, p. 71. April 21, 1897.

TYPE LOCALITY.—Crater Lake, Mt. Mazama, Klamath County, Oregon. Altitude, 7000 feet.

Evotomys obscurus Merriam.

1897. *Evotomys obscurus* MERRIAM, Proc. biol. soc. Washington, XI, p. 72. April 21, 1897.

TYPE LOCALITY.—Prospect, Upper Rogue River Valley, Jackson County, Oregon. Altitude, about 2600 feet.

Evotomys californicus Merriam.

1890. *Evotomys californicus* MERRIAM, North Amer. fauna, no. 4, p. 26. October 8, 1890.

TYPE LOCALITY.—Eureka, Humboldt County, California.

Evotomys occidentalis Merriam.

1890. *Evotomys occidentalis* MERRIAM, North Amer. fauna, no. 4, p. 25. October 8, 1890.

TYPE LOCALITY.—Aberdeen, Chehalis County, Washington.

Evotomys nivarius Bailey.

1897. *Evotomys nivarius* BAILEY, Proc. biol. soc. Washington, XI, p. 136. May 13, 1897.

TYPE LOCALITY.—Northwest slope of Mt. Ellinor, Olympic Mountains, Washington. Altitude, 4000 feet.

Evotomys proteus Bangs.

1897. *Evotomys proteus* BANGS, Proc. biol. soc. Washington, XI, p. 137. May 13, 1897.

TYPE LOCALITY.—Hamilton Inlet, Labrador.

Genus **MICROTUS**¹ Schrank.

1798. *Microtus* SCHRANK, Fauna Boica, I, 1ste Abth., p. 72.
Type.—*Microtus terrestris* SCHRANK = *Mus arvalis* PALLAS (by elimination).

Subgenus **MICROTUS** Schrank.

* **Microtus borealis** (Richardson).

1828. *Arvicola borealis* RICHARDSON, Zool. journ., III, p. 517.

1885. *Arvicola riparius borealis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 597. 1885. (Part.)

1897. [*Microtus*] *borealis* TROUESSART, Catal. mamm., pt. III, p. 563.

TYPE LOCALITY. — Great Bear Lake, Mackenzie, Canada.

Regarded as a distinct species by Rhoads (Proc. acad. nat. sci. Phila., 1894, p. 286, October 23, 1894), but not mentioned by Bailey.

* **Microtus pennsylvanicus** (Ord).

1815. *Mus pennsylvanica* ORD, Guthrie's geography, 2d Amer. ed., II, p. 292.

1885. *Arvicola riparius riparius* TRUE, Proc. U. S. nat. mus., VII (1884), p. 597. 1885. (Part.)

¹ Revised by Bailey, North Amer. fauna, no. 17. June 6, 1900.

1895. *M[icrotus] pennsylvanicus* RHOADS, Amer. nat., xxix, p. 940. October, 1895.

TYPE LOCALITY.— Meadows below Philadelphia, Pennsylvania.

***Microtus pennsylvanicus nigrans* Rhoads.**

1897. *Microtus pennsylvanicus nigrans* RHOADS, Proc. acad. nat. sci. Phila., p. 307. June 18, 1897.

TYPE LOCALITY.— Currituck, Currituck County, North Carolina.

***Microtus pennsylvanicus acadicus* Bangs.**

1897. *Microtus pennsylvanicus acadicus* BANGS, Amer. nat., xxxi, p. 239. March, 1897.

TYPE LOCALITY.— Digby, Nova Scotia.

***Microtus pennsylvanicus modestus* (Baird).**

1857. *Arvicola modesta* BAIRD, Mamm. N. Amer., p. 535.

1900. *Microtus pennsylvanicus modestus* BAILEY, North Amer. fauna, no. 17. June 6, 1900.

TYPE LOCALITY.— Cochitopa ("Sawatch") Pass, Saguache County, Colorado.

***Microtus pennsylvanicus fontigenus* (Bangs).**

1896. *Microtus fontigenus* BANGS, Proc. biol. soc. Washington, x, p. 48. March 9, 1896.

1897. *Microtus pennsylvanicus fontigenus* MILLER, Proc. Boston soc. nat. hist., xxviii, p. 14. April 30, 1897.

TYPE LOCALITY.— Lake Edward, Quebec, Canada.

***Microtus pennsylvanicus labradorius* Bailey.**

1898. *Microtus pennsylvanicus labradorius* BAILEY, Proc. biol. soc. Washington, xii, p. 88. April 30, 1898.

TYPE LOCALITY.— Fort Chimo, Ungava, Labrador.

***Microtus drummondii* (Audubon and Bachman).**

1854. *Arvicola drummondii* AUDUBON and BACHMAN, Quad. N. Amer., iii, p. 166.

1894. *Arvicola (Nynomes) drummondi* RHOADS, Proc. acad. nat. sci. Phila., p. 287. October 23, 1894.

1897. [*Microtus*] *drummondi* TROUSSERT, Catal. mamm., pt. iii, p. 563.

TYPE LOCALITY.— "Valleys of the Rocky Mountains"; probably in the vicinity of Jasper House, Alberta, Canada.

Microtus aztecus (Allen).

1893. *Arvicola (Mynomes) aztecus* ALLEN, Bull. Amer. mus. nat. hist., v, p. 73. April 28, 1893.

1897. [*Microtus*] *aztecus* TROUSSERT, Catal. mamm., pt. III, p. 562.

TYPE LOCALITY.—Aztec, San Juan County, New Mexico. Altitude, 5900 feet.

Microtus enixus Bangs.

1896. *Microtus enixus* BANGS, Amer. nat., xxx, p. 1051. December 5, 1896.

TYPE LOCALITY.—Hamilton Inlet, Labrador.

Microtus terraenovae (Bangs).

1894. *Arvicola terraenovae* BANGS, Proc. biol. soc. Washington, ix, p. 129. July 27, 1894.

1896. *M[icrotus] terraenovae* MILLER, North Amer. fauna, no. 12, p. 66. July 23, 1896.

TYPE LOCALITY.—Codroy, Newfoundland.

Microtus breweri (Baird).

1857. *Arvicola breweri* BAIRD, Mamm. N. Amer., p. 525.

1896. *Microtus breweri* MILLER, Proc. Boston soc. nat. hist., xxvii, p. 83. June, 1896.

TYPE LOCALITY.—Muskeget Island, off Nantucket, Massachusetts.

Microtus nesophilus Bailey.

1898. *Microtus insularis* BAILEY, Proc. biol. soc. Washington, xii, p. 86. April 30, 1897 (not of Nilsson).

1898. *Microtus nesophilus* BAILEY, Science, n. s., viii, p. 783. December 2, 1898.

TYPE LOCALITY.—Great Gull Island, off eastern extremity of Long Island, Suffolk County, New York.

Microtus montanus (Peale).

1848. *Arvicola montana* PEALE, U. S. explor. exp., viii, mamm. and ornith., p. 44.

1897. [*Microtus*] *montanus* TROUSSERT, Catal. mamm., pt. III, p. 563.

TYPE LOCALITY.—Headwaters of the Sacramento River, near Mount Shasta, Siskiyou County, California.

Microtus montanus arizonensis Bailey.

1898. *Microtus montanus arizonensis* BAILEY, Proc. biol. soc. Washington, XII, p. 88. April 30, 1898.

TYPE LOCALITY.—Springerville, Apache County, Arizona.

Microtus montanus rivularis (Bailey).

1898. *Microtus nevadensis rivularis* BAILEY, Proc. biol. soc. Washington, XII, p. 87. April 30, 1898.

1900. *Microtus montanus rivularis* BAILEY, North Amer. fauna, no. 17, p. 29. June 6, 1900.

TYPE LOCALITY.—St. George, Washington County, Utah.

Microtus nanus (Merriam).

1891. *Arvicola (Mynomes) nanus* MERRIAM, North Amer. fauna, no. 5, p. 63. July 30, 1891.

1897. *Microtus nanus* MILLER, Proc. biol. soc. Washington, XI, p. 67. April 21, 1897.

TYPE LOCALITY.—Pahsimeroi Mountains, Idaho. Altitude, 9350 feet.

Microtus nanus canescens Bailey.

1898. *Microtus nanus canescens* BAILEY, Proc. biol. soc. Washington, XII, p. 87. April 30, 1898.

TYPE LOCALITY.—Conconully, Okanogan County, Washington.

Microtus canicaudus Miller.

1897. *Microtus canicaudus* MILLER, Proc. biol. soc. Washington, XI, p. 67. April 21, 1897.

TYPE LOCALITY.—McCoy, Willamette Valley, Polk County, Oregon.

Microtus dutcheri Bailey.

1898. *Microtus dutcheri* BAILEY, Proc. biol. soc. Washington, XII, p. 85. April 30, 1898.

TYPE LOCALITY.—Big Cottonwood Meadows, near Mount Whitney, Tulare County, California. Altitude, 10,000 feet.

Microtus nevadensis Bailey.

1898. *Microtus nevadensis* BAILEY, Proc. biol. soc. Washington, XII, p. 86. April 30, 1898.

TYPE LOCALITY.—Ash Meadows, Nye County, Nevada.

Microtus californicus (Peale).

1848. *Arvicola californica* PEALE, U. S. explor. exp., VIII, mamm. and ornith., p. 46.

1897. [*Microtus*] *californicus* TROUËSSART, Catal. mamm., pt. III, p. 563.

TYPE LOCALITY. — Vicinity of San Francisco Bay, California.

Microtus californicus vallicola Bailey.

1898. *Microtus californicus vallicola* BAILEY, Proc. biol. soc. Washington, XII, p. 89. April 30, 1898.

TYPE LOCALITY. — Lone Pine, Inyo County, California.

Microtus californicus constrictus Bailey.

1900. *Microtus californicus constrictus* BAILEY, North Amer. fauna, no. 17, p. 36. June 6, 1900.

TYPE LOCALITY. — Cape Mendocino, Humboldt County, California.

Microtus edax (Le Conte).

1853. *Arvicola edax* LE CONTE, Proc. acad. nat. sci. Phila., VI, p. 405.

1896. *Microtus edax* ALLEN, Bull. Amer. mus. nat. hist., VIII, p. 268. December 4, 1896.

TYPE LOCALITY. — California, south of San Francisco.

Microtus scirpensis Bailey.

1900. *Microtus scirpensis* BAILEY, North Amer. fauna, no. 17, p. 38. June 6, 1900.

TYPE LOCALITY. — Amargosa River, near Nevada line, Inyo County, California.

Microtus operarius (Nelson).

1893. *Arvicola operarius* NELSON, Proc. biol. soc. Washington, VIII, p. 139. December 28, 1893.

1897. [*Microtus*] *operarius* TROUËSSART, Catal. mamm., pt. III, p. 564.

TYPE LOCALITY. — St. Michaels, Norton Sound, Alaska.

Microtus macfarlani Merriam.

1900. *Microtus macfarlani* MERRIAM, Proc. Washington acad. sci., II, p. 24. March 14, 1900.

TYPE LOCALITY. — Fort Anderson, Anderson River, Mackenzie, Canada.

Microtus yakutatensis Merriam.

1900. *Microtus yakutatensis* MERRIAM, Proc. Washington acad. sci., II, p. 22. March 14, 1900.

TYPE LOCALITY.— North shore of Yakutat Bay, Alaska.

Microtus kadiacensis Merriam.

1897. *Microtus kadiacensis* MERRIAM, Proc. biol. soc. Washington, XI, p. 222. July 15, 1897.

TYPE LOCALITY.— Kadiak Island, Alaska.

Microtus unalascensis Merriam.

1897. *Microtus unalascensis* MERRIAM, Proc. biol. soc. Washington, XI, p. 222. July 15, 1897.

TYPE LOCALITY.— Unalaska, Alaska.

Microtus unalascensis popofensis Merriam.

1900. *Microtus unalascensis popofensis* MERRIAM, Proc. Washington acad. sci., II, p. 22. March 14, 1900.

TYPE LOCALITY.— Popof Island, Shumagin Islands, Alaska.

Microtus sitkensis Merriam.

1897. *Microtus sitkensis* MERRIAM, Proc. biol. soc. Washington, XI, p. 221. July 15, 1897.

TYPE LOCALITY.— Sitka, Alaska.

Microtus innuitus Merriam.

1900. *Microtus innuitus* MERRIAM, Proc. Washington acad. sci., II, p. 21. March 14, 1900.

TYPE LOCALITY.— St. Lawrence Island, Bering Sea, Alaska.

Microtus abbreviatus Miller.

1899. *Microtus abbreviatus* MILLER, Proc. biol. soc. Washington, XIII, p. 13. January 31, 1899.

TYPE LOCALITY.— Hall Island, Bering Sea, Alaska.

Microtus abbreviatus fisheri Merriam.

1900. *Microtus abbreviatus fisheri* MERRIAM, Proc. Washington acad. sci., II, p. 23. March 14, 1900.

TYPE LOCALITY.— St. Matthew Island, Bering Sea, Alaska.

* **Microtus townsendii** (Bachman).

1839. *Arvicola townsendii* BACHMAN, Journ. acad. nat. sci. Phila., VIII, pt. I, p. 60.

1885. *Arvicola townsendi* TRUE, Proc. U. S. nat. mus., VII (1884), p. 597. 1885. (Part.)

1896. *M[icrotus] townsendi* MILLER, North Amer. fauna, no. 12, p. 66. July 22, 1896.

TYPE LOCALITY.—Columbia River; according to Bailey (North Amer. fauna, no. 17, p. 46, June 6, 1900), near mouth of Willamette, on or near Wappatoo (or Sauvie) Island.

Microtus tetramerus (Rhoads).

1894. *Arvicola (Tetramerodon) tetramerus* RHOADS, Proc. acad. nat. sci. Phila., p. 283. October 23, 1894.

1900. *Microtus tetramerus* BAILEY, North Amer. fauna, no. 17, p. 47. June 6, 1900.

TYPE LOCALITY.—Beacon Hill Park, Victoria, Vancouver Island, British Columbia, Canada.

Microtus longicaudus (Merriam).

1888. *Arvicola (Mynomes) longicaudus* MERRIAM, Amer. nat., XXII, p. 934. October, 1888.

1895. *Microtus (Mynomes) longicaudus* ALLEN, Bull. Amer. mus. nat. hist., VII, p. 266. August 21, 1895.

TYPE LOCALITY.—Custer, Black Hills, Custer County, South Dakota. Altitude, 5500 feet.

Microtus mordax (Merriam).

1891. *Arvicola (Mynomes) mordax* MERRIAM, North Amer. fauna, no. 5, p. 61. July 30, 1891.

1897. [*Microtus*] *mordax* TROUESSART, Catal. mamm., pt. III, p. 564.

TYPE LOCALITY.—Sawtooth (or Alturas) Lake, east base of Sawtooth Mountains, Idaho. Altitude, 7200 feet.

Microtus macrurus Merriam.

1898. *Microtus macrurus* MERRIAM, Proc. acad. nat. sci. Phila., p. 353. October 4, 1898.

TYPE LOCALITY.—Lake Cushman, Olympic Mountains, Washington.

Microtus angusticeps Bailey.

1898. *Microtus angusticeps* BAILEY, Proc. biol. soc. Washington, XII, p. 86. April 30, 1898.

TYPE LOCALITY.—Crescent City, Del Norte County, California.

Microtus alticola (Merriam).

1890. *Arvicola (Mynomes) alticolus* MERRIAM, North Amer. fauna, no. 3, p. 67. September 11, 1890.

1895. *Microtus alticolus* ALLEN, Bull. Amer. mus. nat. hist., VII, p. 219. June 29, 1895.

TYPE LOCALITY.—Little Spring, San Francisco Mountain, Coconino County, Arizona. Altitude, 8200 feet.

Microtus alticola leucophaeus (Allen).

1894. *Arvicola leucophaeus* ALLEN, Bull. Amer. mus. nat. hist., VI, p. 320. November 7, 1894.

1900. *Microtus alticolus leucophaeus* BAILEY, North Amer. fauna, no. 17, p. 53. June 6, 1900.

TYPE LOCALITY.—Graham Mountains, Graham County, Arizona.

*** Microtus mexicanus** (Saussure).

1861. *Arvicola (Hemiotomys) mexicanus* SAUSSURE, Revue et magasin de zoologie, 2d ser., XIII, p. 3. January, 1861.

1885. *Arvicola mexicanus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 597. 1885.

1897. [*Microtus*] *mexicanus* TROUESSART, Catal. mamm., pt. III, p. 564.

TYPE LOCALITY.—Mount Orizaba, State of Puebla, Mexico.

Microtus mexicanus phaeus (Merriam).

1892. *Arvicola phaeus* MERRIAM, Proc. biol. soc. Washington, VII, p. 171. September 29, 1892.

1900. *Microtus mexicanus phaeus* BAILEY, North Amer. fauna, no. 17, p. 54. June 6, 1900.

TYPE LOCALITY.—North slope of Sierra Nevada de Colima, State of Jalisco, Mexico. Altitude, 10,000 feet.

Microtus fulviventris Merriam.

1898. *Microtus fulviventris* MERRIAM, Proc. biol. soc. Washington, XII, p. 106. April 30, 1898.

TYPE LOCALITY.—Cerro San Felipe, State of Oaxaca, Mexico. Altitude, 10,200 feet.

Microtus mogollonensis (Mearns).

1890. *Arvicola mogollonensis* MEARNs, Bull. Amer. mus. nat. hist., II, p. 283. February 21, 1890.

1896. *M[icrotus] mogollonensis* MILLER, Proc. biol. soc. Washington, XI, p. 68. April 21, 1896.

TYPE LOCALITY. — Bakers Butte, Mogollon Mountains, Yavapai County, Arizona.

* **Microtus xanthognathus** (Leach).

1815. *Arvicola xanthognatha* LEACH, Zool. miscell., I, p. 60.

1885. *Arvicola xanthognathus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 597. 1885.

1896. *M[icrotus] xanthognathus* MILLER, North Amer. fauna, no. 12, p. 66. July 23, 1896.

TYPE LOCALITY.— Hudson Bay.

Microtus chrotorrhinus (Miller).

1894. *Arvicola chrotorrhinus* MILLER, Proc. Boston soc. nat. hist., XXVI, p. 190. March 24, 1894.

1896. *Microtus chrotorrhinus* BANGS, Proc. biol. soc. Washington, X, p. 49. March 9, 1896.

TYPE LOCALITY.— Head of Tuckerman's Ravine, Mount Washington, Coos County, New Hampshire. Altitude, 5300 feet.

Microtus chrotorrhinus ravus Bangs.

1898. *Microtus chrotorrhinus ravus* BANGS, Proc. biol. soc. Washington, XII, p. 188. November 16, 1898.

TYPE LOCALITY.— Black Bay, Strait of Belle Isle, Labrador.

Subgenus *ARVICOLA* Lacépède.

1799. *Arvicola* LACÉPÈDE, Tableau des divisions, sous-divisions, ordres et genres des mammifères, p. 10 (Published as supplement to Discours d'ouverture et de clôture du cours d'histoire naturelle, et tableaux méthodiques des mammifères et des oiseaux). Type. — *Arvicola amphibius* LACÉPÈDE = *Mus terrestris* LINNAEUS.

Microtus richardsoni (DeKay).

1842. *Arvicola richardsoni* DEKAY, Zool. New York, mamm., p. 91.

1894. *Aulacomys richardsoni* RHOADS, Proc. acad. nat. sci. Phila., p. 288. October 23, 1894.

1897. [*Microtus*] *richardsoni* TROUËSSART, Catal. mamm., pt. III, p. 565.

TYPE LOCALITY.—“Near the foot of the Rocky Mountains.”
According to Bailey (North Amer. fauna, no. 17, p. 60, June 6, 1900) the type was collected by Drummond in the vicinity of Jasper House, Alberta, Canada.

Microtus richardsoni macropus (Merriam).

1891. *Arvicola (Mynomes) macropus* MERRIAM, North Amer. fauna, no. 5, p. 59. July 30, 1891.

1900. *Microtus richardsoni macropus* BAILEY, North Amer. fauna, no. 17, p. 61. June 6, 1900.

TYPE LOCALITY.—Pahsimeroi Mountains, Idaho. Altitude, about 9700 feet.

Microtus richardsoni arvicoloides (Rhoads).

1894. *Aulacomys arvicoloides* RHOADS, Amer. nat., xxviii, p. 182. February 11, 1894.

1900. *Microtus richardsoni arvicoloides* BAILEY, North Amer. fauna, no. 17, p. 62. June 6, 1900.

TYPE LOCALITY.—Lake Kichelos, Kittitas County, Washington. Altitude, 8000 feet.

Subgenus *PITYMYS* McMurtrie.

1831. *Pitymys* McMURTRIE, Cuvier's anim. kingdom, Amer. ed., I, p. 434. Type.—*Psammomys pinetorum* LE CONTE.

* **Microtus pinetorum** (Le Conte).

1830. *Psammomys pinetorum* LE CONTE, Ann. lyc. nat. hist. New York, III, p. 133.

1885. *Arvicola pinetorum* TRUE, Proc. U. S. nat. mus., VII (1884), p. 596. 1885. (Part.)

1896. *Microtus pinetorum* MILLER, North Amer. fauna, no. 12, p. 9. July 23, 1896.

TYPE LOCALITY.—Pine forests of Georgia, probably on the Le Conte plantation, near Riceboro, Liberty County.

Microtus pinetorum scalopsoides (Audubon and Bachman).

1841. *Arvicola scalopsoides* AUDUBON and BACHMAN, Proc. acad. nat. sci. Phila., I, p. 97. October, 1841.

1896. *Microtus pinetorum scalopsoides* BATCHELDER, Proc. Boston soc. nat. hist., XXVII, p. 187. October, 1896.
TYPE LOCALITY. — Long Island, New York.

Microtus pinetorum auricularis Bailey.

1898. *Microtus pinetorum auricularis* BAILEY, Proc. biol. soc. Washington, XII, p. 90. April 30, 1898.
TYPE LOCALITY. — Washington, Adams County, Mississippi.

Microtus nemoralis (Bailey).

1898. *Microtus pinetorum nemoralis* BAILEY, Proc. biol. soc. Washington, XII, p. 89. April 30, 1898.
1900. *Microtus nemoralis* BAILEY, North Amer. fauna, no. 17, p. 65. June 6, 1900.
TYPE LOCALITY. — Stilwell, Boston Mts., Indian Territory.

* **Microtus quasiater** (Coues).

1874. *Arvicola (Pitymys) pinetorum* var. *quasiater* COUES, Proc. acad. nat. sci. Phila., p. 191. December 15, 1874.
1885. *Arvicola quasiater* TRUE, Proc. U. S. nat. mus., VII (1884), p. 596. 1885.
1896. *M[icrotus] quasiater* MILLER, North Amer. fauna, no. 12, p. 60. July 23, 1896.
TYPE LOCALITY. — Jalapa, State of Vera Cruz, Mexico.

Subgenus LAGURUS Gloger.

1841. *Lagurus* GLOGER, Gemeinn. Hand- u. Hilfsbuch d. Naturgesch., I, p. 97. Type.—*Lagurus migratorius* GLOGER=*Mus lagurus* PALLAS.

* **Microtus curtatus** (Cope).

1868. *Arvicola curtata* COPE, Proc. acad. nat. sci. Phila., p. 2.
1885. *Arvicola austerus curtatus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 597. 1885.
1896. *M[icrotus] curtatus* MILLER, North Amer. fauna, no. 12, p. 51. July 23, 1896.

TYPE LOCALITY.— Pigeon Spring, Mount Magruder, Nevada, near boundary between Inyo County, California, and Esmeralda County, Nevada.

Microtus pallidus (Merriam).

1888. *Arvicola (Chilotus) pallidus* MERRIAM, Amer. nat., xxii, p. 704. August, 1888.

1896. *Microtus pallidus* MILLER, North Amer. fauna, no. 12, p. 50. July 23, 1896.

TYPE LOCALITY.— Fort Buford, Howard County, North Dakota.

Microtus pauperrimus (Cooper).

1868. *Arvicola pauperrima* COOPER, Amer. nat., ii, p. 535. December, 1868.

1896. *M[icrotus] pauperrimus* MILLER, North Amer. fauna, no. 12, p. 51. July 23, 1896.

TYPE LOCALITY.— Plains of the Columbia, near the Snake River, southwestern Washington.

Subgenus CHILOTUS Baird.

1857. *Chilotus* BAIRD, Mamm. N. Amer., p. 516. Type.— *Arvicola oregoni* BACHMAN.

* **Microtus oregoni** (Bachman).

1839. *Arvicola oregoni* BACHMAN, Journ. acad. nat. sci. Phila., viii, pt. 1, p. 60.

1885. *Arvicola oregonus* TRUE, Proc. U. S. nat. mus., vii (1884), p. 597. 1885.

1896. *Microtus oregoni* MILLER, North Amer. fauna, no. 12, p. 9. July 23, 1896.

TYPE LOCALITY.— Astoria, Clatsop County, Oregon.

Microtus serpens Merriam.

1897. *Microtus serpens* MERRIAM, Proc. biol. soc. Washington, xi, p. 75. April 21, 1897.

TYPE LOCALITY.— Agassiz, British Columbia, Canada.

Microtus bairdi Merriam.

1897. *Microtus bairdi* MERRIAM, Proc. biol. soc. Washington, XI, p. 74. April 21, 1897.

TYPE LOCALITY.— Glacier Peak, Crater Lake, Klamath County, Oregon. Altitude, 7800 feet.

Subgenus PEDOMYS Baird.

1857. *Pedomys* BAIRD, Mamm. N. Amer., p. 517. Type.—*Arvicola austerus* LE CONTE.

* **Microtus austerus** (Le Conte).

1853. *Arvicola austerus* LE CONTE, Proc. acad. nat. sci. Phila., VI, p. 405.

1885. *Arvicola austerus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 597. 1885.

1896. *Microtus austerus* MILLER, North Amer. fauna, no. 12, p. 9. July 23, 1896.

TYPE LOCALITY.— Racine, Racine County, Wisconsin.

Allen (Bull. Amer. mus. nat. hist., x, p. 458, November 10, 1898) calls attention to the fact that the description of Wagner's *Hypudaeus ochrogaster* (Schreber's Säugthiere, Suppl., III, p. 592, 1843) "admirably fits" this species, which he therefore proposes shall stand as *Microtus ochrogaster* (p. 459). The name *ochrogaster* is not mentioned by Bailey.

Microtus ludovicianus Bailey.

1900. *Microtus ludovicianus* BAILEY, North Amer. fauna, no. 17, p. 74. June 6, 1900.

TYPE LOCALITY.— Iowa, Calcasieu Parish, Louisiana.

Microtus haydenii (Baird).

1857. *Arvicola (Pedomys) haydenii* BAIRD, Mamm. N. Amer., p. 543.

1894. *Arvicola (Pedomys) haydenii* ALLEN, Bull. Amer. mus. nat. hist., VI, p. 328. November 7, 1894.

1895. *Microtus (Pedomys) haydenii* ALLEN, Bull. Amer. mus. nat. hist., VII, p. 267. August 21, 1895.

TYPE LOCALITY.— Fort Pierre, Stanley County, South Dakota.

Microtus minor (Merriam).

1888. *Arvicola austerus minor* MERRIAM, Amer. nat., xxii, p. 600. July, 1888.

1900. *Microtus minor* BAILEY, North Amer. fauna, no. 17, p. 75. June 6, 1900.

TYPE LOCALITY.—Bottineau, at base of Turtle Mountains, Bottineau County, North Dakota.

Subgenus ORTHRIOMYS Merriam.

1898. *Orthriomys* MERRIAM, Proc. biol. soc. Washington, xii, p. 106. April 30, 1898. Type.—*Microtus umbrosus* MERRIAM.

Microtus umbrosus Merriam.

1898. *Microtus umbrosus* MERRIAM, Proc. biol. soc. Washington, xii, p. 107. April 30, 1898.

TYPE LOCALITY.—Mount Zempoaltepec, State of Oaxaca, Mexico. Altitude, 8200 feet.

Subgenus HERPETOMYS Merriam.

1898. *Herpetomys* MERRIAM, Proc. biol. soc. Washington, xii, p. 107. April 30, 1898. Type.—*Microtus guatemalensis* MERRIAM.

Microtus guatemalensis Merriam.

1898. *Microtus guatemalensis* MERRIAM, Proc. biol. soc. Washington, xii, p. 108. April 30, 1898.

TYPE LOCALITY.—Todos Santos, State of Huehuetenango, Guatemala. Altitude, 10,000 feet.

Subgenus NEOFIBER True.

1884. *Neofiber* TRUE, Science, iv, p. 34. July 11, 1884.
Type.— *Neofiber alleni* TRUE.

* **Microtus alleni** (True).

1884. *Neofiber alleni* TRUE, Science, iv, p. 34. July 11, 1884.

1885. *Neofiber alleni* TRUE, Proc. U. S. nat. mus., vii (1884), p. 596. 1885.

1896. *Microtus alleni* MILLER, North Amer. fauna, no. 12, p. 9. July 23, 1896.

TYPE LOCALITY.— Georgiana, Brevard County, Florida.

Genus **FIBER** Cuvier.

1800. *Fiber* CUVIER, Leçons d'anat. comp., i, tabl. i (described but not named in 1798, Tabl. élém. de l'hist. nat. des anim., p. 141).
Type.— *Castor zibethicus* LINNÆUS.

Fiber macrodon Merriam.

1897. *Fiber macrodon* MERRIAM, Proc. biol. soc. Washington, xi, p. 143. May 13, 1897.

TYPE LOCALITY.— Lake Drummond, Dismal Swamp, Norfolk County, Virginia.

Fiber obscurus Bangs.

1894. *Fiber obscurus* BANGS, Proc. biol. soc. Washington, ix, p. 133. September 15, 1894.

TYPE LOCALITY.— Codroy, Newfoundland.

Fiber osoyoosensis Lord.

1863. *Fiber osoyoosensis* LORD, Proc. zool. soc. London, p. 97.

1900. *Fiber osoyoosensis* OSGOOD, North Amer. fauna, no. 19, p. 37. October 6, 1900.

TYPE LOCALITY.— Lake Osoyoos, British Columbia, Canada.

Fiber spatulatus Osgood.

1900. *Fiber spatulatus* OSGOOD, North Amer. fauna, no. 19, p. 36. October 6, 1900.

TYPE LOCALITY. — Lake Marsh, Yukon, Canada.

* **Fiber zibethicus** (Linnaeus).

1766. [*Castor*] *zibethicus* LINNAEUS, Syst. nat., XII ed., I, p. 79.

1817. [*Fiber*] *zibeticus* CUVIER, Règne anim., I, p. 192.

1885. *Fiber zibethicus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 596. 1885.

TYPE LOCALITY. — Eastern Canada.

Fiber zibethicus aquilonius Bangs.

1899. *Fiber zibethicus aquilonius* BANGS, Proc. New England zool. club, I, p. 11. February 28, 1899.

TYPE LOCALITY. — Rigoulette, Hamilton Inlet, Labrador.

Fiber zibethicus pallidus Mearns.

1890. *Fiber zibethicus pallidus* MEARNS, Bull. Amer. mus. nat. hist., II, p. 280. February 21, 1890.

TYPE LOCALITY. — Fort Verde, Yavapai County, Arizona.

Fiber zibethicus rivalicius Bangs.

1895. *Fiber zibethicus rivalicius* BANGS, Proc. Boston soc. nat. hist., XXVI, p. 541. July 31, 1895.

TYPE LOCALITY. — Burbridge, Plaquemines Parish, Louisiana.

Genus **SYNAPTOMYS** Baird.¹

1857. *Synaptomys* BAIRD, Mamm. N. Amer., p. 558. Type. — *Synaptomys cooperi* BAIRD.

¹ Revised by Merriam, Proc. biol. soc. Washington, x, pp. 55-64. March 19, 1896.

Subgenus *SYNAPTOMYS* Baird.

* *Synaptomys cooperi* Baird.

1857. *S[ynaptomys] cooperi* BAIRD, Mamm. N. Amer., p. 558.

1885. *Synaptomys cooperi* TRUE, Proc. U. S. nat. mus., VII (1884), p. 596. 1885.

TYPE LOCALITY.—Unknown, probably northern New Jersey.

Synaptomys fatuus Bangs.

1896. *Synaptomys fatuus* BANGS, Proc. biol. soc. Washington, x, p. 47. March 9, 1896.

TYPE LOCALITY. —Lake Edward, Quebec, Canada.

Regarded by Rhoads (Proc. acad. nat. sci. Phila., 1897, p. 306, June, 1897) as a form of *S. cooperi*.

Synaptomys helaletes Merriam.

1896. *Synaptomys helaletes* MERRIAM, Proc. biol. soc. Washington, x, p. 59. March 19, 1896.

TYPE LOCALITY.—Dismal Swamp, Norfolk County, Virginia.

According to Rhoads (Proc. acad. nat. sci. Phila., 1897, p. 305, June, 1897), this should stand as *Synaptomys cooperi stonei* (RHOADS) (*Synaptomys stonei* Rhoads, Amer. nat., XXVII, p. 53, January 11, 1893; type locality, Mays Landing, Atlantic County, New Jersey).

Synaptomys helaletes gossii Merriam.

1896. *Synaptomys helaletes gossii* MERRIAM, Proc. biol. soc. Washington, x, p. 60. March 19, 1896.

TYPE LOCALITY. —Neosho Falls, Woodson County, Kansas.

According to Rhoads (Proc. acad. nat. sci. Phila., 1897, p. 307, June, 1897), this should stand as *Synaptomys cooperi gossi*.

Subgenus *MICTOMYS* True.

1894. *Mictomys* TRUE, Diagnoses of new North American mammals, p. 2. April 26, 1894. (Reprint: Proc. U. S. nat. mus., xvii, p. 242. November 15, 1894.) Type.—*Mictomys innuitus* TRUE.

Synaptomys innuitus (True).

1894. *Mictomys innuitus* TRUE, Diagnoses of new North American mammals, p. 3. April 26, 1894. (Reprint: Proc. U. S. nat. mus., xvii, p. 243. November 15, 1894.)

1896. *Synaptomys (Mictomys) innuitus* MERRIAM, Proc. biol. soc. Washington, x, p. 61. March 19, 1896.

TYPE LOCALITY. — Fort Chimo, Ungava, Labrador.

Synaptomys innuitus medioximus Bangs.

1900. *Synaptomys (Mictomys) innuitus medioximus* BANGS, Proc. New England zool. club, ii, p. 40. September 20, 1900.

TYPE LOCALITY. — Lance au Loup, Strait of Belle Isle, Labrador.

Synaptomys sphagnicola Preble.

1899. *Synaptomys (Mictomys) sphagnicola* PREBLE, Proc. biol. soc. Washington, xiii, p. 43. May 29, 1899.

TYPE LOCALITY. — Fabyans, Coos County, New Hampshire.

Synaptomys dalli Merriam.

1896. *Synaptomys (Mictomys) dalli* MERRIAM, Proc. biol. soc. Washington, x, p. 62. March 19, 1896.

TYPE LOCALITY. — Nulato, Alaska.

Synaptomys truei Merriam.

1896. *Synaptomys (Mictomys) truei* MERRIAM, Proc. biol. soc. Washington, x, p. 62. March 19, 1896.

TYPE LOCALITY. — Skagit Valley, northwestern Washington.

Synaptomys wrangeli Merriam.

1896. *Synaptomys (Mictomys) wrangeli* MERRIAM, Proc. biol. soc. Washington, x, p. 63. March 19, 1896.

TYPE LOCALITY. — Wrangel, Alaska.

Genus **LEMMUS** Link.

1795. *Lemmus* LINK, Zool. Beyträge, i, pt. ii, p. 75. Type. — By elimination, *Mus lemmus* LINNAEUS.

* **Lemmus alascensis** Merriam.

1885. *Myodes obensis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 596. 1885. (Part.)

1900. *Lemmus alascensis* MERRIAM, Proc. Washington acad. sci., II, p. 26. March 14, 1900.

TYPE LOCALITY. — Point Barrow, Alaska.

Lemmus nigripes (True).

1894. *Myodes nigripes* TRUE, Diagnoses of new North American mammals, p. 2. April 26, 1894. (Reprint: Proc. U. S. nat. mus., XVII, p. 242. November 15, 1894.)

1896. *L[emmus] nigripes* MILLER, North Amer. fauna, no. 12, p. 37. July 23, 1896.

TYPE LOCALITY. — St. George Island, Pribilof Islands, Bering Sea.

Lemmus trimucronatus (Richardson).

1825. *Arvicola trimucronata* RICHARDSON, Journ. Parry's second voyage, app., p. 309.

1900. *Lemmus trimucronatus* STONE, Proc. acad. nat. sci. Phila., p. 35. March 24, 1900.

TYPE LOCALITY. — Point Lake, Mackenzie, Canada.

Lemmus yukonensis Merriam.

1900. *Lemmus yukonensis* MERRIAM, Proc. Washington acad. sci., II, p. 27. March 14, 1900.

TYPE LOCALITY. — Charlie Creek, Yukon River, Alaska.

Genus **DICROSTONYX** Gloger.

1841. *Dicrostonyx* GLOGER, Gemeinn. Hand- u. Hilfsbuch d. Naturgesch., pp. XXXI, 97. Type. — An American species, probably *Mus hudsonius* PALLAS.

Dicrostonyx hudsonius (Pallas).

1778. *Mus hudsonius* PALLAS, Nov. sp. quadr. glir. ord., p. 208.

1897. *Dicrostonyx hudsonius* BANGS, Proc. biol. soc. Washington, XI, p. 237. September 17, 1897.

TYPE LOCALITY.—Labrador.

Dicrostonyx hudsonius alascensis Stone.

1900. *Dicrostonyx hudsonius alascensis* STONE, Proc. acad. nat. sci. Phila., p. 37. March 24, 1900.

TYPE LOCALITY.—Point Barrow, Alaska.

* **Dicrostonyx nelsoni** Merriam.

1885. *Cuniculus torquatus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 596. 1885. (Part.)

1900. *Dicrostonyx nelsoni* MERRIAM, Proc. Washington acad. sci., II, p. 25. March 14, 1900.

TYPE LOCALITY.—St. Michael's, Alaska.

Dicrostonyx richardsoni Merriam.

1900. *Dicrostonyx richardsoni* MERRIAM, Proc. Washington acad. sci., II, p. 26. March 14, 1900.

TYPE LOCALITY.—Fort Churchill, west shore of Hudson Bay, Kewatin, Canada.

Dicrostonyx unalascensis Merriam.

1900. *Dicrostonyx unalascensis* MERRIAM, Proc. Washington acad. sci., II, p. 25. March 14, 1900.

TYPE LOCALITY.—Unalaska, Alaska.

Family **GEOMYIDAE**.

Genus **GEOMYS** Rafinesque.¹

1817. *Geomys* RAFINESQUE, Amer. monthly magazine, II, p. 45. November, 1817. Type.—*Geomys pinetis* RAFINESQUE (= *Mus tuza* ORD).

¹ Revised by Merriam, North Amer. fauna, no. 8, pp. 109-145. January 31, 1895.

* **Geomys tuza** (Ord).

1815. *Mus tuza* ORD, Guthrie's geography, 2d Amer. ed., II, p. 292.

1875. *Geomys tuza* COUES, Proc. acad. nat. sci. Phila., p. 132.

1885. *Geomys tuza* TRUE, Proc. U. S. nat. mus., VII (1884), p. 599. 1885.

TYPE LOCALITY.—Pine barrens, near Augusta, Richmond County, Georgia.

Geomys tuza mobilensis Merriam.

1895. *Geomys tuza mobilensis* MERRIAM, North Amer. fauna, no. 8, p. 119. January 31, 1895.

TYPE LOCALITY.—Mobile Bay, Baldwin County, Alabama.

Geomys floridanus (Audubon and Bachman).

1854. *Pseudostoma floridana* AUDUBON and BACHMAN, Quadr. N. Amer., III, p. 242.

1898. *Geomys floridanus* BANGS, Proc. Boston soc. nat. hist., XXVIII, p. 176. March, 1898.

TYPE LOCALITY.—St. Augustine, St. John County, Florida.

Geomys floridanus austrinus Bangs.

1898. *Geomys floridanus austrinus* BANGS, Proc. Boston soc. nat. hist., XXVIII, p. 177. March, 1898.

TYPE LOCALITY.—Belleair, Hillsboro County, Florida.

Geomys colonus Bangs.

1898. *Geomys colonus* BANGS, Proc. Boston soc. nat. hist., XXVIII, p. 178. March, 1898.

TYPE LOCALITY.—St. Mary's, Camden County, Georgia.

Geomys cumberlandius Bangs.

1898. *Geomys cumberlandius* BANGS, Proc. Boston soc. nat. hist., XXVIII, p. 180. March, 1898.

TYPE LOCALITY.—"Stafford Place," Cumberland Island, Camden County, Georgia.

* **Geomys bursarius** (Shaw).

1800. *Mus bursarius* SHAW, Trans. Linnaean soc. London, v, p. 227.

1829. *Geomys bursarius* RICHARDSON, Fauna Boreali-Americana, I, p. 203.

1885. *Geomys bursarius* TRUE, Proc. U. S. nat. mus., vii (1884), p. 599. 1885.

TYPE LOCALITY.—Unknown; somewhere in the upper Mississippi Valley.

Geomys lutescens (Merriam).

1890. *Geomys bursarius lutescens* MERRIAM, North Amer. fauna, no. 4, p. 51. October 8, 1890.

1895. *Geomys lutescens* MERRIAM, North Amer. fauna, no. 8, p. 127. January 31, 1895.

TYPE LOCALITY.—Sandhills on Birdwood Creek, Lincoln County, western Nebraska.

Geomys breviceps Baird.

1855. *Geomys breviceps* BAIRD, Proc. acad. nat. sci. Phila., vii, p. 335.

1895. *Geomys breviceps* MERRIAM, North Amer. fauna, no. 8, p. 129. January 31, 1895.

TYPE LOCALITY.—Prairie Mer Rouge, Morehouse Parish, Louisiana.

Geomys breviceps attwateri Merriam.

1895. *Geomys breviceps attwateri* MERRIAM, North Amer. fauna, no. 8, p. 135. January 31, 1895.

TYPE LOCALITY.—Rockport, Aransas County, Texas.

Geomys texensis Merriam.

1895. *Geomys texensis* MERRIAM, North Amer. fauna, no. 8, p. 137. January 31, 1895.

TYPE LOCALITY.—Mason, Mason County, Texas.

Geomys arenarius Merriam.

1895. *Geomys arenarius* MERRIAM, North Amer. fauna, no. 8, p. 139. January 31, 1895.

TYPE LOCALITY.—El Paso, El Paso County, Texas.

Geomys personatus True.

1889. *Geomys personatus* TRUE, Proc. U. S. nat. mus., xi (1888), p. 159. January 5, 1889.

TYPE LOCALITY.—Padre Island, Cameron County, Texas.

Geomys personatus fallax Merriam.

1895. *Geomys personatus fallax* MERRIAM, North Amer. fauna, no. 8, p. 144. January 31, 1895.

TYPE LOCALITY.—South side of Nueces Bay, Cameron County, Texas.

Genus **PAPPOGEOMYS** Merriam.¹

1895. *Pappogeomys* MERRIAM, North Amer. fauna, no. 8, p. 145. January 31, 1895. Type.—*Geomys bulleri* THOMAS.

Pappogeomys bulleri (Thomas).

1892. *Geomys bulleri* THOMAS, Ann. and mag. nat. hist., 6th ser., x, p. 196. August, 1892.

1895. *Pappogeomys bulleri* MERRIAM, North Amer. fauna, no. 8, p. 147. January 31, 1895.

TYPE LOCALITY.—Near Talpa, west slope of Sierra de Mascota, State of Jalisco, Mexico. Altitude, 8500 feet.

Pappogeomys albinasus Merriam.

1895. *Pappogeomys albinasus* MERRIAM, North Amer. fauna, no. 8, p. 149. January 31, 1895.

TYPE LOCALITY.—Atemajac, a suburb of Guadalajara, State of Jalisco, Mexico.

Genus **CRATOGEOMYS** Merriam.²

1895. *Cratogeomys* MERRIAM, North Amer. fauna, no 8, p. 150. January 31, 1895. Type.—*Geomys merriami* THOMAS.

Cratogeomys merriami (Thomas).

1893. *Geomys merriami* THOMAS, Ann. and mag. nat. hist., 6th ser., XII, p. 271. October, 1893.

1895. *Cratogeomys merriami* MERRIAM, North Amer. fauna, no. 8, p. 152. January 31, 1895.

TYPE LOCALITY.—“Southern Mexico,” probably in the Valley of Mexico.

¹ Revised by Merriam, North Amer. fauna, no. 8, pp. 145-149. January 31, 1895.

² Revised by Merriam, North Amer. fauna, no. 8, pp. 150-162. January 31, 1895.

Cratogeomys perotensis Merriam.

1895. *Cratogeomys perotensis* MERRIAM, North Amer. fauna, no. 8, p. 154. January 31, 1895.

TYPE LOCALITY.—Cofre de Perote, State of Vera Cruz, Mexico. Altitude, 9500 feet.

Cratogeomys estor Merriam.

1895. *Cratogeomys estor* MERRIAM, North Amer. fauna, no. 8, p. 155. January 31, 1895.

TYPE LOCALITY.—Las Vigas, State of Vera Cruz, Mexico. Altitude, 8000 feet.

Cratogeomys oreocetes Merriam.

1895. *Cratogeomys oreocetes* MERRIAM, North Amer. fauna, no. 8, p. 156. January 31, 1895.

TYPE LOCALITY.—Mount Popocatepetl, State of Mexico, Mexico. Altitude, 11,500 feet.

Cratogeomys peregrinus Merriam.

1895. *Cratogeomys peregrinus* MERRIAM, North Amer. fauna, no. 8, p. 158. January 31, 1895.

TYPE LOCALITY.—Mount Iztaccihuatl, State of Mexico, Mexico. Altitude, 11,500 feet.

***Cratogeomys castanops** (Baird).

1852. *Pseudostoma castanops* BAIRD, Report Stansbury's exped. to Great Salt Lake, p. 313. June, 1852.

1885. *Geomys castanops* TRUE, Proc. U. S. nat. mus., VII (1884), p. 599. 1885.

1895. *Cratogeomys castanops* MERRIAM, North Amer. fauna, no. 8, p. 159. January 31, 1895.

TYPE LOCALITY.—"Prairie road to Bent's Fort," near the present town of Las Animas, Bent County, Colorado, on the Arkansas River.

Cratogeomys castanops goldmani Merriam.

1895. *Cratogeomys castanops goldmani* MERRIAM, North Amer. fauna, no. 8, p. 160. January 31, 1895.

TYPE LOCALITY.—Cañitas, State of Zacatecas, Mexico.

Cratogeomys fulvescens Merriam.

1895. *Cratogeomys fulvescens* MERRIAM, North Amer. fauna, no. 8, p. 161. January 31, 1895.

TYPE LOCALITY.—Chalchicomula, State of Puebla, Mexico.

Genus **PLATYGEOMYS** Merriam.¹

1895. *Platygeomys* MERRIAM, North Amer. fauna, no. 8, p. 162. January 31, 1895. Type.—*Geomys gymnurus* MERRIAM.

Platygeomys gymnurus (Merriam).

1892. *Geomys gymnurus* MERRIAM, Proc. biol. soc. Washington, VII, p. 166. September 29, 1892.

1895. *Platygeomys gymnurus* MERRIAM, North Amer. fauna, no. 8, p. 164. January 31, 1895.

TYPE LOCALITY.—Zapotlan, State of Jalisco, Mexico.

Platygeomys tylorhinus Merriam.

1895. *Platygeomys tylorhinus* MERRIAM, North Amer. fauna, no. 8, p. 167. January 31, 1895.

TYPE LOCALITY.—Tula, State of Hidalgo, Mexico.

Platygeomys planiceps Merriam.

1895. *Platygeomys planiceps* MERRIAM, North Amer. fauna, no. 8, p. 168. January 31, 1895.

TYPE LOCALITY.—North slope Volcano of Toluca, State of Mexico, Mexico.

Platygeomys fumosus (Merriam).

1892. *Geomys fumosus* MERRIAM, Proc. biol. soc. Washington, VII, p. 165. September 29, 1892.

1895. *Platygeomys fumosus* MERRIAM, North Amer. fauna, no. 8, p. 170. January 31, 1895.

TYPE LOCALITY.—Colima City, State of Colima, Mexico.

Genus **ORTHOGEOMYS** Merriam.²

1895. *Orthogeomys* MERRIAM, North Amer. fauna, no. 8, p. 172. January 31, 1895. Type.—*Geomys scalops* THOMAS.

¹ Revised by Merriam, North Amer. fauna, no. 8, pp. 162-171. January 31, 1895.

² Revised by Merriam, North Amer. fauna, no. 8, pp. 172-179. January 31, 1895.

Orthogeomys scalops (Thomas).

1894. *Geomys scalops* THOMAS, Ann. and mag. nat. hist., 6th ser., XIII, p. 437. May, 1894.

1895. *Orthogeomys scalops* MERRIAM, North Amer. fauna, no. 8, p. 174. January 31, 1895.

TYPE LOCALITY.—Tehuantepec, State of Oaxaca, Mexico.

Orthogeomys grandis (Thomas).

1893. *Geomys grandis* THOMAS, Ann. and mag. nat. hist., 6th ser., XII, p. 270. October, 1893.

1895. *Orthogeomys grandis* MERRIAM, North Amer. fauna, no. 8, p. 175. January 31, 1895.

TYPE LOCALITY.—Dueñas, Guatemala.

Orthogeomys nelsoni Merriam.

1895. *Orthogeomys nelsoni* MERRIAM, North Amer. fauna, no. 8, p. 176. January 31, 1895.

TYPE LOCALITY.—Mt. Zempoaltepec, State of Oaxaca, Mexico. Altitude, 8000 feet.

Orthogeomys latifrons Merriam.

1895. *Orthogeomys latifrons* MERRIAM, North Amer. fauna, no. 8, p. 178. January 31, 1895.

TYPE LOCALITY.—Guatemala; exact locality unknown.

Genus **HETEROGEOMYS** Merriam.¹

1895. *Heterogeomys* MERRIAM, North Amer. fauna, no. 8, p. 179. January 31, 1895. Type.—*Geomys hispidus* LE CONTE.

* **Heterogeomys hispidus** (Le Conte).

1852. *Geomys hispidus* LE CONTE, Proc. acad. nat. sci. Phila., VI, p. 158.

1885. *Geomys hispidus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 599. 1885.

¹ Revised by Merriam, North Amer. fauna, no. 8, pp. 179-185. January 31, 1895.

1895. *Heterogeomys hispidus* MERRIAM, North Amer. fauna,
no. 8, p. 181. January 31, 1895.

TYPE LOCALITY. — Near Jalapa, State of Vera Cruz, Mexico.

Heterogeomys torridus Merriam.

1895. *Heterogeomys torridus* MERRIAM, North Amer. fauna,
no. 8, p. 183. January 31, 1895.

TYPE LOCALITY. — Chichicaxtle, State of Vera Cruz, Mexico.

Genus **MACROGEOMYS** Merriam.¹

1895. *Macrogeomys* MERRIAM, North Amer. fauna, no. 8, p. 185.
January 31, 1895. Type. — *Geomys heterodus* PETERS.

Macrogeomys heterodus (Peters).

1865. *Geomys heterodus* PETERS, Monatsber. k. preuss. Akad.
Wissensch. Berlin, 1864, p. 177. 1865.

1895. *Macrogeomys heterodus* MERRIAM, North Amer. fauna,
no. 8, p. 186. January 31, 1895.

TYPE LOCALITY. — Costa Rica; exact locality unknown.

Macrogeomys dolichocephalus Merriam.

1895. *Macrogeomys dolichocephalus* MERRIAM, North Amer.
fauna, no. 8, p. 189. January 31, 1895.

TYPE LOCALITY. — San José, Costa Rica.

Macrogeomys costaricensis Merriam.

1895. *Macrogeomys costaricensis* MERRIAM, North Amer.
fauna, no. 8, p. 192. January 31, 1895.

TYPE LOCALITY. — Pacuare, Costa Rica.

Macrogeomys cherriei (Allen).

1893. *Geomys cherriei* ALLEN, Bull. Amer. mus. nat. hist., v,
p. 337. December 16, 1893.

1895. *Macrogeomys cherriei* MERRIAM, North Amer. fauna,
no. 8, p. 194. January 31, 1895.

TYPE LOCALITY. — Santa Clara, Costa Rica.

¹ Revised by Merriam, North Amer. fauna, no. 8, pp. 185-195. January 31, 1895.

Genus **ZYGOGEOMYS** Merriam.¹

1895. *Zygogeomys* MERRIAM, North Amer. fauna, no. 8, p. 195. January 31, 1895. Type. — *Zygogeomys trichopus* MERRIAM.

Zygogeomys trichopus Merriam.

1895. *Zygogeomys trichopus* MERRIAM, North Amer. fauna, no. 8, p. 196. January 31, 1895.

TYPE LOCALITY. — Nahuatzin, State of Michoacan, Mexico.

Genus **THOMOMYS** Wied.

1839. *Thomomys* WIED, Nova acta phys. med. acad. caes. Leop.-Carol., XIX, pt. I, p. 377. Type. — *Thomomys rufescens* WIED.

Thomomys alpinus Merriam.

1897. *Thomomys alpinus* MERRIAM, Proc. biol. soc. Washington, XI, p. 216. July 15, 1897.

TYPE LOCALITY. — Big Cottonwood Meadows eight miles southeast of Mt. Whitney peak, High Sierra, Tulare County, California. Altitude, 10,000 feet.

Thomomys altivallis Rhoads.

1895. *Thomomys altivallis* RHOADS, Proc. acad. nat. sci. Phila., p. 34. February 21, 1895.

TYPE LOCALITY. — San Bernardino Mountains, California. Altitude, 5000 feet.

Thomomys angularis Merriam.

1897. *Thomomys angularis* MERRIAM, Proc. biol. soc. Washington, XI, p. 214. July 15, 1897.

TYPE LOCALITY. — Los Baños, Merced County, California.

¹ Revised by Merriam, North Amer. fauna, no. 8, pp. 195-198. January 31, 1895.

Thomomys atrovarius Allen.

1898. *Thomomys atrovarius* ALLEN, Bull. Amer. mus. nat. hist., x, p. 148. April 12, 1898.

TYPE LOCALITY. — Tatemales, State of Sinaloa, Mexico.

Thomomys aureus Allen.

1893. *Thomomys aureus* ALLEN, Bull. Amer. mus. nat. hist., v, p. 49. April 28, 1893.

TYPE LOCALITY. — Bluff City, San Juan County, Utah.

* **Thomomys bottae** (Eydoux and Gervais).

1836. *Oryctomys (Saccophorus) bottae* EYDOUX and GERVAIS, Mag. de zool., vi, p. 23.

1855. *Thomomys bottae* BAIRD, Proc. acad. nat. sci. Phila., vii, p. 335.

1885. *Thomomys talpoides bulbivorus* TRUE, Proc. U. S. nat. mus., vii (1884), p. 599. 1885. (Part.)

1893. *Thomomys bottae* MILLER, Bull. Amer. mus. nat. hist., v, p. 57. April 28, 1893.

TYPE LOCALITY. — Coast of California. Name applied by Baird in 1855 to the form occurring in the vicinity of Monterey, and re-applied to the same animal by Miller in 1893.

Thomomys bottae pallescens Rhoads.

1895. *Thomomys bottae pallescens* RHOADS, Proc. acad. nat. sci. Phila., p. 36. February 21, 1895.

TYPE LOCALITY. — Grapelands, San Bernardino Valley, California.

Thomomys bulbivorus (Richardson).

1829. *Diplostoma bulbivorum* RICHARDSON, Fauna Boreali-Americana, i, p. 206.

1857. *Thomomys bulbivorus* BAIRD, Mamm. N. Amer., p. 389.

1893. *Thomomys bulbivorus* MILLER, Bull. Amer. mus. nat. hist., v, p. 57. April 28, 1883.

TYPE LOCALITY. — Banks of the Columbia River, Oregon.

Thomomys cervinus Allen.

1895. *Thomomys cervinus* ALLEN, Bull. Amer. mus. nat. hist., vii, p. 203. June 29, 1895.

TYPE LOCALITY. — Phoenix, Maricopa County, Arizona.

*** Thomomys clusius** Coues.

1875. *Thomomys clusius* COUES, Proc. acad. nat. sci. Phila., p. 138. June 15, 1875.

1885. *Thomomys clusius* TRUE, Proc. U. S. nat. mus., VII (1884), p. 598. 1885.

TYPE LOCALITY. — Bridger Pass, Sweetwater County, Wyoming.

Thomomys clusius fuscus Merriam.

1891. *Thomomys clusius fuscus* MERRIAM, North Amer. fauna, no. 5, p. 70. July 30, 1891.

TYPE LOCALITY. — Mountains at head of Big Lost River, Custer County, Idaho.

Regarded by Allen (Bull. Amer. mus. nat. hist., v, p. 63, April 28, 1893) as a form of *T. douglasii*.

Thomomys douglasii (Richardson).

1829. *Geomys douglasii* RICHARDSON, Fauna Boreali-Americana, I, p. 200.

1893. *Thomomys douglasii* ALLEN, Bull. Amer. mus. nat. hist., v, p. 66. April 28, 1893.

TYPE LOCALITY. — Near the mouth of the Columbia River, Oregon.

Thomomys douglasii yelmensis Merriam.

1899. *Thomomys douglasii yelmensis* MERRIAM, Proc. biol. soc. Washington, XIII, p. 21. January 31, 1899.

TYPE LOCALITY. — Tenino, Yelm Prairie, Thurston County, Washington.

Thomomys fossor Allen.

1893. *Thomomys fossor* ALLEN, Bull. Amer. mus. nat. hist., v, p. 51. April 28, 1893.

TYPE LOCALITY. — Florida, La Plata County, Colorado. Altitude, 7200 feet.

Thomomys fulvus (Woodhouse).

1852. *Geomys fulvus* WOODHOUSE, Proc. acad. nat. sci. Phila., VI, p. 201.

1857. *Thomomys fulvus* BAIRD, Mamm. N. Amer., p. 402.

1890. *Thomomys fulvus* MERRIAM, North Amer. fauna, no. 3, p. 71. September 11, 1890.

TYPE LOCALITY. — San Francisco Mountain, Coconino County, Arizona.

Thomomys fulvus alticola Allen.

1899. *Thomomys fulvus alticolus* ALLEN, Bull. Amer. mus. nat. hist., XII, p. 13. April 4, 1899.

TYPE LOCALITY.—Sierra Laguna, Lower California, Mexico. Altitude, 7000 feet.

Thomomys fulvus anitae Allen.

1898. *Thomomys fulvus anitae* ALLEN, Bull. Amer. mus. nat. hist., x, p. 146. April 12, 1898.

TYPE LOCALITY.—Santa Anita, Lower California, Mexico.

Thomomys fulvus intermedius Mearns.

1897. *Thomomys fulvus intermedius* MEARNs, Proc. U. S. nat. mus., XIX, p. 719. July 30, 1897.

TYPE LOCALITY.—Summit of Huachuca Mountains, southern Arizona. Altitude, 9000 feet.

Thomomys fulvus martirensis Allen.

1898. *Thomomys fulvus martirensis* ALLEN, Bull. Amer. mus. nat. hist., x, p. 147. April 12, 1898.

TYPE LOCALITY.—San Pedro Martir Mountains, Lower California, Mexico. Altitude, 8200 feet.

Thomomys fulvus nigricans Rhoads.

1895. *Thomomys fulvus nigricans* RHOADS, Proc. acad. nat. sci. Phila., p. 36. February 21, 1895.

TYPE LOCALITY.—Witch Creek, San Diego County, California.

Thomomys laticeps Baird.

1855. *Thomomys laticeps* BAIRD, Proc. acad. nat. sci. Phila., VII, p. 335. April, 1855.

1893. *Thomomys laticeps* ALLEN, Bull. Amer. mus. nat. hist., v, p. 63. April 28, 1893.

TYPE LOCALITY.—Humboldt Bay, Humboldt County, California.

Thomomys mazama Merriam.

1897. *Thomomys mazama* MERRIAM, Proc. biol. soc. Washington, XI, p. 214. July 15, 1897.

TYPE LOCALITY.—Crater Lake, Mount Mazama, Klamath County, Oregon. Altitude, 6000 feet.

Thomomys melanops Merriam.

1899. *Thomomys melanops* MERRIAM, Proc. biol. soc. Washington, XIII, p. 21. January 31, 1899.

TYPE LOCALITY.—Timberline at head of Soleduc River, Olympic Mountains, Clallam County, Washington.

Thomomys monticola Allen.

1893. *Thomomys monticolus* ALLEN, Bull. Amer. mus. nat. hist., v, p. 48. April 28, 1893.

TYPE LOCALITY.—Mt. Tallac, El Dorado County, California. Altitude, 7500 feet.

Thomomys monticola pinetorum Merriam.

1899. *Thomomys monticolus pinetorum* MERRIAM, North Amer. fauna, no. 16, p. 97. October 28, 1899.

TYPE LOCALITY.—Sisson, Siskiyou County, California.

Thomomys nasicus Merriam.

1897. *Thomomys nasicus* MERRIAM, Proc. biol. soc. Washington, XI, p. 216. July 15, 1897.

TYPE LOCALITY.—Farewell Bend, Des Chutes River, Crook County, Oregon.

Thomomys nevadensis Merriam.

1897. *Thomomys nevadensis* MERRIAM, Proc. biol. soc. Washington, XI, p. 213. July 15, 1897.

TYPE LOCALITY.—Austin, Lander County, Nevada.

Thomomys operarius Merriam.

1897. *Thomomys operarius* MERRIAM, Proc. biol. soc. Washington, XI, p. 215. July 15, 1897.

TYPE LOCALITY.—Keeler, east side of Owens Lake, Inyo County, California.

Thomomys orizabae Merriam.

1893. *Thomomys orizabae* MERRIAM, Proc. biol. soc. Washington, VIII, p. 145. December 29, 1893.

TYPE LOCALITY.—Mt. Orizaba, State of Puebla, Mexico. Altitude, about 9500 feet.

Thomomys peregrinus Merriam.

1893. *Thomomys peregrinus* MERRIAM, Proc. biol. soc. Washington, VIII, p. 146. December 29, 1893.

TYPE LOCALITY.—Salazar, State of Mexico, Mexico.

Thomomys perpallidus (Merriam).

1886. *Thomomys talpoides perpallidus* MERRIAM, Science, VIII, p. 588. December 24, 1886.

1893. *Thomomys perpallidus* ALLEN, Bull. Amer. mus. nat. hist., v, p. 54. April 28, 1893.

TYPE LOCALITY. — Colorado Desert, San Diego County, California.

Rhoads (Proc. acad. nat. sci. Phila., 1895, p. 37, March 19, 1895) suggests that this may eventually stand as *Thomomys fulvus perpallidus*.

Thomomys quadratus Merriam.

1897. *Thomomys quadratus* MERRIAM, Proc. biol. soc. Washington, XI, p. 214. July 15, 1897.

TYPE LOCALITY. — The Dalles, Wasco County, Oregon.

Thomomys rufescens Wied.

1839. *Thomomys rufescens* WIED, Nova acta phys. med. acad. caes. Leop.-Carol., XIX, pt. I, p. 378.

1893. *Thomomys rufescens* ALLEN, Bull. Amer. mus. nat. hist., v, p. 62. April 28, 1893.

TYPE LOCALITY. — Missouri River, exact locality not known (see Allen, Bull. Amer. mus. nat. hist., v, p. 62, April 28, 1893).

Regarded by Allen (Bull. Amer. mus. nat. hist., v, p. 67, April 28, 1893) as questionably distinct from *T. talpoides*.

* **Thomomys talpoides** (Richardson).

1828. *Cricetus talpoides* RICHARDSON, Zool. journ., III, p. 518.

1857. *Thomomys talpoides* BAIRD, Mamm. N. Amer., p. 403.

1885. *Thomomys talpoides talpoides* TRUE, Proc. U. S. nat. mus., VII (1884), p. 598. 1885. (Part.)

TYPE LOCALITY. — Probably Saskatchewan, Canada (see Allen, Bull. Amer. mus. nat. hist., v, p. 55, April 28, 1893).

* **Thomomys talpoides umbrinus** (Richardson).

1829. *Geomys umbrinus* RICHARDSON, Fauna Boreali-Americana, I, p. 202.

1857. *Thomomys umbrinus* BAIRD, Mamm. N. Amer., p. 399.

1885. *Thomomys talpoides umbrinus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 599. 1885. (Part.)

TYPE LOCALITY. — Unknown ("Cadadaguios, a town in the southwestern part of Louisiana").

Regarded by Allen (Bull. Amer. mus. nat. hist., v, p. 56, April 28, 1893) as undeterminable.

Thomomys toltecus Allen.

1893. *Thomomys toltecus* ALLEN, Bull. Amer. mus. nat. hist., v, p. 52. April 28, 1893.

TYPE LOCALITY. — Juarez, State of Chihuahua, Mexico.

Thomomys townsendii (Bachman).

1839. *Geomys townsendii* BACHMAN, Journ. acad. nat. sci. Phila., VIII, p. 105.

1893. *Thomomys townsendii* ALLEN, Bull. Amer. mus. nat. hist., v, p. 61. April 28, 1893.

TYPE LOCALITY. — "Rocky Mountains"; probably southwestern Wyoming (see Allen, Bull. Amer. mus. nat. hist., v, p. 61, April 28, 1893).

Family **HETEROMYIDAE**.

Subfamily **DIPODOMYINAE**.

Genus **DIPODOMYS** Gray.

1841. *Dipodomys* GRAY, Ann. and mag. nat. hist., VII, p. 521. August, 1841. Type. — *Dipodomys phillipsii* GRAY.

Dipodomys ambiguus Merriam.

1890. *Dipodomys ambiguus* MERRIAM, North Amer. fauna no. 4, p. 42. October 8, 1894.

TYPE LOCALITY. — El Paso, El Paso County, Texas.

Regarded by Merriam (Science, n. s., VII, p. 31, January 7, 1898) as a form of *D. merriami*.

Dipodomys californicus Merriam.

1890. *Dipodomys californicus* MERRIAM, North Amer. fauna, no. 4, p. 49. October 8, 1890.

TYPE LOCALITY. — Ukiah, Mendocino County, California.

Dipodomys californicus pallidulus Bangs.

1899. *Dipodomys californicus pallidulus* BANGS, Proc. New England zool. club, 1, p. 65. July 31, 1899.

TYPE LOCALITY. — Sites, Colusa County, California.

Dipodomys deserti Stephens.

1887. *Dipodomys deserti* STEPHENS, Amer. nat., XXI, p. 42. January, 1887.

TYPE LOCALITY. — Mojave River, San Bernardino County, California.

Dipodomys elator Merriam.

1894. *Dipodomys elator* MERRIAM, Proc. biol. soc. Washington, IX, p. 109. June 21, 1894.

TYPE LOCALITY. — Henrietta, Clay County, Texas.

Regarded by Mearns (Proc. biol. soc. Washington, XIII, p. 167, October 31, 1900) as identical with *D. montanus*.

Dipodomys merriami Mearns.

1890. *Dipodomys merriami* MEARNs, Bull. Amer. mus. nat. hist., II, p. 290. February 21, 1890.

TYPE LOCALITY. — New River, between Phoenix and Prescott, Arizona.

Dipodomys merriami atronasus Merriam.

1894. *Dipodomys merriami atronasus* MERRIAM, Proc. biol. soc. Washington, IX, p. 113. June 21, 1894.

TYPE LOCALITY. — Hacienda La Parada, about 25 miles northwest of the City of San Luis Potosi, State of San Luis Potosi, Mexico.

Dipodomys merriami exilis Merriam.

1894. *Dipodomys merriami exilis* MERRIAM, Proc. biol. soc. Washington, IX, p. 113. June 21, 1894.

TYPE LOCALITY. — Fresno, San Joaquin Valley, Fresno County, California.

Dipodomys merriami melanurus Merriam.

1893. *Dipodomys merriami melanurus* MERRIAM, Proc. California acad. sci., 2d ser., III, p. 345. June 5, 1893.

TYPE LOCALITY. — San José del Cabo, Lower California, Mexico.

Dipodomys merriami nevadensis Merriam.

1894. *Dipodomys merriami nevadensis* MERRIAM, Proc. biol. soc. Washington, IX, p. 111. June 21, 1894.

TYPE LOCALITY. — Pyramid Lake, Washoe County, Nevada.

Dipodomys merriami nitratooides Merriam.

1894. *Dipodomys merriami nitratooides* MERRIAM, Proc. biol. soc. Washington, IX, p. 112. June 21, 1894.

TYPE LOCALITY. — Tipton, San Joaquin Valley, Tulare County, California.

Dipodomys merriami nitratus Merriam.

1894. *Dipodomys merriami nitratus* MERRIAM, Proc. biol. soc. Washington, IX, p. 112. June 21, 1894.

TYPE LOCALITY. — Keeler, east side of Owens Lake, Inyo County, California.

Dipodomys mitchelli Mearns.

1897. *Dipodomys mitchelli* MEARNS, Proc. U. S. nat. mus., XIX, p. 719. July 30, 1897.

TYPE LOCALITY. — Tiburon Island, Gulf of California, Mexico.

Dipodomys montanus Baird.

1855. *Dipodomys montanus* BAIRD, Proc. acad. nat. sci. Phila., VII, p. 334.

1900. *Dipodomys montanus* MEARNS, Proc. biol. soc. Washington, XIII, p. 167. October 31, 1900.

TYPE LOCALITY. — Fort Massachusetts, on head waters of Rio Grande in San Luis Valley, southern Colorado.

Dipodomys ornatus Merriam.

1894. *Dipodomys ornatus* MERRIAM, Proc. biol. soc. Washington, IX, p. 110. June 21, 1894.

TYPE LOCALITY. — Berriozabal, State of Zacatecas, Mexico.

Dipodomys parvus Rhoads.

1894. *Dipodomys parvus* RHOADS, Amer. nat., XXVIII, p. 70. January, 1894.

TYPE LOCALITY. — San Bernardino, San Bernardino County, California.

Regarded by Merriam (Science, n. s., VII, p. 31, January 7, 1898) as a form of *D. merriami*.

Dipodomys perotensis Merriam.

1894. *Dipodomys perotensis* MERRIAM, Proc. biol. soc. Washington, IX, p. 111. June 21, 1894.

TYPE LOCALITY. — Perote, State of Vera Cruz, Mexico.

Dipodomys phillipsii Gray.

1841. *Dipodomys phillipsii* (err. typ.) GRAY, Ann. and mag. nat. hist., VII, p. 522. August, 1841.

1893. *Dipodomys phillipsi* MERRIAM, Proc. biol. soc. Washington, VIII, p. 91. July 18, 1893.

TYPE LOCALITY. — Valley of Mexico, Mexico.

The *Dipodomys phillipsi phillipsi* of TRUE (Proc. U. S. nat. mus., VII (1884), p. 599, 1885) is not this animal, but an aggregate of numerous small species of *Dipodomys* and *Perodipus*.

Dipodomys similis Rhoads.

1894. *Dipodomys similis* RHOADS, Proc. acad. nat. sci. Phila., 1893, p. 411. January 27, 1894.

TYPE LOCALITY. — White Water, San Diego County, California.

Regarded by Merriam (Science, n. s., VII, p. 31, January 7, 1898) as identical with *D. simiolus*.

Dipodomys simiolus Rhoads.

1894. *Dipodomys simiolus* RHOADS, Proc. acad. nat. sci. Phila., 1893, p. 410. January 30, 1894.

TYPE LOCALITY. — Agua Caliente, Mohave Desert, California.

Regarded by Mearns (Proc. U. S. nat. mus., XIX, p. 720, July 30, 1897) as a form of *D. merriami*.

Dipodomys spectabilis Merriam.

1890. *Dipodomys spectabilis* MERRIAM, North Amer. fauna, no. 4, p. 46. October 8, 1890.

TYPE LOCALITY. — Dos Cabezos, Cochise County, Arizona.

Genus **PERODIPUS** Fitzinger.

1867. *Perodipus* FITZINGER, Sitzungsber. math.-nat. Classe, k. Akad. Wissensch. Wien, LVI, p. 126. Type. — *Dipodomys agilis* GAMBEL.

Perodipus agilis (Gambel).

1848. *Dipodomys agilis* GAMBEL, Proc. acad. nat. sci. Phila., iv, p. 77.

1886. *Dipodomys agilis* TRUE, Proc. U. S. nat. mus., ix, p. 410. October 30, 1886.

1894. *Perodipus agilis* ALLEN, Abstract proc. Linn. soc. New York, 1893-1894, p. 28. July 20, 1894.

TYPE LOCALITY. — Los Angeles, Los Angeles County, California.

Perodipus chapmani (Mearns).

1890. *Dipodomys chapmani* MEARNs, Bull. Amer. mus. nat. hist., ii, p. 291. February 21, 1890.

1894. *Perodipus chapmani* ALLEN, Abstract proc. Linn. soc. New York, 1893-1894, p. 29. July 20, 1894.

TYPE LOCALITY. — Fort Verde, Yavapai County, Arizona.

Regarded by Merriam (Science, n. s., ii, p. 417, September 17, 1895) as identical with *P. ordii*.

Perodipus compactus (True).

1888. *Dipodomys compactus* TRUE, Proc. U. S. nat. mus., xi, p. 160. January 5, 1888.

1894. *Perodipus compactus* ALLEN, Abstract proc. Linn. soc. New York, 1893-1894, p. 29. July 20, 1894.

TYPE LOCALITY. — Padre Island, Cameron County, Texas.

Perodipus longipes (Merriam).

1890. *Dipodops longipes* MERRIAM, North Amer. fauna, no. 3, p. 72. September 11, 1890.

1894. *Perodipus longipes* ALLEN, Abstract proc. Linn. soc. New York, 1893-1894, p. 29. July 20, 1894.

TYPE LOCALITY. — Foot of Echo Cliffs, Painted Desert, Coconino County, Arizona.

* **Perodipus ordii** (Woodhouse).

1853. *Dipodomys ordii* WOODHOUSE, Proc. acad. nat. sci. Phila., vi, p. 235.

1885. *Dipodomys phillipsi ordii* TRUE, Proc. U. S. nat. mus., vii (1884), p. 599. 1885. (Part.)

1894. *P[erodipus] ordii* MERRIAM, Proc. biol. soc. Washington, ix, p. 115. June 21, 1894.

TYPE LOCALITY. — El Paso, El Paso County, Texas.

Perodipus ordii columbianus Merriam.

1894. *Perodipus ordii columbianus* MERRIAM, Proc. biol. soc. Washington, ix, p. 115. June 21, 1894.

TYPE LOCALITY. — Umatilla, at mouth of Umatilla River, Plains of Columbia, Umatilla County, Oregon.

Perodipus ordii palmeri (Allen).

1891. *Dipodops ordii palmeri* ALLEN, Bull. Amer. mus. nat. hist., iii, p. 276. June 30, 1891.

1894. *Perodipus ordii palmeri* ALLEN, Abstract proc. Linn. soc. New York, 1893-1894, p. 28. July 20, 1894.

TYPE LOCALITY. — San Luis Potosi, State of San Luis Potosi, Mexico.

Perodipus panamintinus Merriam.

1894. *Perodipus panamintinus* MERRIAM, Proc. biol. soc. Washington, ix, p. 114. June 21, 1894.

TYPE LOCALITY. — Head of Willow Creek, Panamint Mountains, Inyo County, California.

Perodipus richardsoni (Allen).

1891. *Dipodops richardsoni* ALLEN, Bull. Amer. mus. nat. hist., iii, p. 277. June 30, 1891.

1894. *P[erodipus] richardsoni* MERRIAM, Proc. biol. soc. Washington, ix, p. 114. June 21, 1894.

TYPE LOCALITY. — On one of the sources of Beaver River, in the extreme northwestern corner of Indian Territory.

Perodipus sennetti (Allen).

1891. *Dipodops sennetti* ALLEN, Bull. Amer. mus. nat. hist., iii, p. 226. April 29, 1891.

1894. *Perodipus sennetti* ALLEN, Abstract proc. Linn. soc. New York, 1893-1894, p. 29. July 20, 1894.

TYPE LOCALITY. — Near Brownsville, Cameron County, Texas.

Perodipus streator Merriam.

1894. *Perodipus streator* MERRIAM, Proc. biol. soc. Washington, IX, p. 113. June 21, 1894.

TYPE LOCALITY.—Carbondale, Mariposa County, California.

Genus **MICRODIPODOPS** Merriam.

1891. *Microdipodops* MERRIAM, North Amer. fauna, no. 5, p. 115. July 30, 1891. Type.—*Microdipodops megacephalus* MERRIAM.

Microdipodops megacephalus Merriam.

1891. *Microdipodops megacephalus* MERRIAM, North Amer. fauna, no. 5, p. 116. July 30, 1891.

TYPE LOCALITY.—Halleck, East Humboldt Valley, Elko County, Nevada.

Subfamily HETEROMYINAE.

Genus **PEROGNATHUS** Wied.¹

1839. *Perognathus* WIED, Nova acta phys. med. acad. caes. Leop.-Carol., XIX, pt. I, p. 368. Type.—*Perognathus fasciatus* WIED.

Subgenus PEROGNATHUS.

***Perognathus fasciatus** Wied.

1839. *Perognathus fasciatus* WIED, Nova acta phys. med. acad. caes. Leop.-Carol., XIX, pt. I, p. 369.

¹Revised by Merriam (North Amer. fauna, no. 1, October 25, 1889) and Osgood (North Amer. fauna, no. 18, September 20, 1900).

1885. *Perognathus fasciatus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 599. 1885.

TYPE LOCALITY. — Upper Missouri River near its junction with the Yellowstone, northwestern North Dakota.

Perognathus fasciatus infraluteus (Thomas).

1893. *Perognathus infraluteus* THOMAS, Ann. and mag. nat. hist., 6th ser., XI, p. 406. May, 1893.

1900. *Perognathus fasciatus infraluteus* OSGOOD, North Amer. fauna, no. 18, p. 19. September 20, 1900.

TYPE LOCALITY. — Loveland, Larimer County, Colorado.

Perognathus flavescens (Merriam).

1889. *Perognathus fasciatus flavescens* MERRIAM, North Amer. fauna, no. 1, p. 11. October 25, 1889.

1900. *Perognathus flavescens* OSGOOD, North Amer. fauna, no. 18, p. 20. September 20, 1900.

TYPE LOCALITY. — Kennedy, Cherry County, Nebraska.

Perognathus merriami Allen.

1892. *Perognathus merriami* ALLEN, Bull. Amer. mus. nat. hist., IV, p. 45. March 25, 1892.

TYPE LOCALITY. — Brownsville, Cameron County, Texas.

Perognathus merriami gilvus Osgood.

1900. *Perognathus merriami gilvus* OSGOOD, North Amer. fauna, no. 18, p. 22. September 20, 1900.

TYPE LOCALITY. — Eddy, Eddy County, New Mexico.

* **Perognathus flavus** Baird.

1855. *Perognathus flavus* BAIRD, Proc. acad. nat. sci. Phila., VII, p. 332.

1885. *Cricetodipus flavus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 399. 1885.

TYPE LOCALITY. — El Paso, El Paso County, Texas.

Perognathus flavus bimaculatus (Merriam).

1889. *Perognathus bimaculatus* MERRIAM, North Amer. fauna, no. 1, p. 12. October 25, 1889.

1900. *Perognathus flavus bimaculatus* OSGOOD, North Amer. fauna, no. 18, p. 24. September 20, 1900.

TYPE LOCALITY. — Fort Whipple, Yavapai County, Arizona.

Perognathus flavus fuliginosus (Merriam).

1890. *Perognathus fuliginosus* MERRIAM, North Amer. fauna, no. 3, p. 74. September 11, 1890.

1900. *Perognathus flavus fuliginosus* OSGOOD, North Amer. fauna, no. 18, p. 25. September 20, 1900.

TYPE LOCALITY. — Cedar belt northeast of San Francisco Mountain, Coconino County Arizona. Altitude, 7000 feet.

Perognathus flavus mexicanus Merriam.

1894. *Perognathus flavus mexicanus* MERRIAM, Proc. acad. nat. sci. Phila., p. 265. September 27, 1894.

TYPE LOCALITY. — Tlalpam, Federal District, Mexico.

Perognathus apache Merriam.

1889. *Perognathus apache* MERRIAM, North Amer. fauna, no. 1, p. 14. October 25, 1889.

TYPE LOCALITY. — Keam Canyon, Apache County, Arizona.

Perognathus apache melanotis Osgood.

1900. *Perognathus apache melanotis* OSGOOD, North Amer. fauna, no. 18, p. 27. September 20, 1900.

TYPE LOCALITY. — Casas Grandes, State of Chihuahua, Mexico.

Perognathus callistus Osgood.

1900. *Perognathus callistus* OSGOOD, North Amer. fauna, no. 18, p. 28. September 20, 1900.

TYPE LOCALITY. — Kinney Ranch, Green River Basin, near Bitter Creek, Sweetwater County, Wyoming.

Perognathus panamintinus (Merriam).

1894. *Perognathus longimembris panamintinus* MERRIAM, Proc. acad. nat. sci. Phila., p. 265. September 27, 1894.

1900. *Perognathus panamintinus* OSGOOD, North Amer. fauna, no. 18, p. 28. September 20, 1900.

TYPE LOCALITY. — Perognathus Flat, Panamint Mountains, Inyo County, California. Altitude, 5200 feet.

Perognathus panamintinus arenicola Stephens.

1900. *Perognathus panamintinus arenicola* STEPHENS, Proc. biol. soc. Washington, XIII, p. 153. June 13, 1900.

TYPE LOCALITY. — San Felipe Narrows, San Diego County, California.

Perognathus panamintinus bangsi (Mearns).

1898. *Perognathus longimembris bangsi* MEARNs, Bull. Amer. mus. nat. hist., x, p. 300. August 31, 1898.

1900. *Perognathus panamintinus bangsi* OSGOOD, North Amer. fauna, no. 18, p. 29. September 20, 1900.

TYPE LOCALITY. — Palm Springs, Colorado Desert, Riverside County, California.

Perognathus panamintinus brevinasus Osgood.

1900. *Perognathus panamintinus brevinasus* OSGOOD, North Amer. fauna, no. 18, p. 30. September 20, 1900.

TYPE LOCALITY. — San Bernardino, San Bernardino County, California.

Perognathus nevadensis Merriam.

1894. *Perognathus nevadensis* MERRIAM, Proc. acad. nat. sci. Phila., p. 264. September 27, 1894.

TYPE LOCALITY. — Halleck, East Humboldt Valley, Elko County, Nevada.

Perognathus pacificus Mearns.

1898. *Perognathus pacificus* MEARNs, Bull. Amer. mus. nat. hist., x, p. 299. August 31, 1900.

TYPE LOCALITY. — Mexican boundary monument, no. 258, shore of Pacific Ocean, San Diego County, California.

Perognathus amplus Osgood.

1900. *Perognathus amplus* OSGOOD, North Amer. fauna, no. 18, p. 32. September 20, 1900.

TYPE LOCALITY. — Fort Verde, Yavapai County, Arizona.

Perognathus longimembris (Coues).

1875. *O[tognosis] longimembris* COUES, Proc. acad. nat. sci. Phila., p. 305. August 31, 1875.

1889. *Perognathus longimembris* MERRIAM, North Amer. fauna, no. 1, p. 13. October 25, 1889.

TYPE LOCALITY. — Old Fort Tejon, in mountains south of Kern Lake, Kern County, California.

***Perognathus parvus** (Peale).

1848. *Cricetodipus parvus* PEALE, U. S. explor. exp., VIII, mamm. and ornith., p. 53.

1858. *Perognathus parvus* CASSIN, U. S. explor. exped., mamm. and ornith., p. 48.

1885. *Perognathus monticola* and *Cricetodipus parvus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 599. 1885.

TYPE LOCALITY. — Oregon; probably in neighborhood of The Dalles, Wasco County.

Perognathus parvus mollipilosus (Coues).

1875. *P[erognathus] mollipilosus* COUES, Proc. acad. nat. sci. Phila., p. 296. August 31, 1875.

1900. *Perognathus parvus mollipilosus* OSGOOD, North Amer. fauna, no. 18, p. 36. September 20, 1900.

TYPE LOCALITY. — Fort Crook, Shasta County, California.

Perognathus parvus olivaceus (Merriam).

1889. *Perognathus olivaceus* MERRIAM, North Amer. fauna, no. 1, p. 15. October 25, 1889.

1900. *Perognathus parvus olivaceus* OSGOOD, North Amer. fauna, no. 18, p. 37. September 20, 1900.

TYPE LOCALITY. — Kelton, near north end of Great Salt Lake, Boxelder County, Utah.

Perognathus parvus magruderensis Osgood.

1900. *Perognathus parvus magruderensis* OSGOOD, North Amer. fauna, no. 18, p. 38. September 20, 1900.

TYPE LOCALITY. — Mount Magruder, Nevada, near boundary between Inyo County, California, and Esmeralda County, Nevada. Altitude, 8000 feet.

Perognathus alticola Rhoads.

1894. *Perognathus alticolus* RHOADS, Proc. acad. nat. sci. Phila., 1893, p. 412. January 30, 1894.

TYPE LOCALITY. — Squirrel Inn, San Bernardino Mountains, San Bernardino County, California.

Perognathus lordi (Gray).

1868. *Abromys lordi* GRAY, Proc. zool. soc. London, p. 202.

1889. *Perognathus lordi* MERRIAM, North Amer. fauna, no. 1, p. 28. October 25, 1889.

1894. *Perognathus lordi* RHOADS, Proc. acad. nat. sci. Phila., 1893, p. 405. January 30, 1894.

TYPE LOCALITY. — Southern British Columbia, Canada.

Perognathus lordi columbianus (Merriam).

1894. *Perognathus columbianus* MERRIAM, Proc. acad. nat. sci. Phila., p. 263. September 27, 1894.

1900. *Perognathus lordi columbianus* OSGOOD, North Amer. fauna, no. 18, p. 40. September 20, 1900.

TYPE LOCALITY. — Pasco, Franklin County, Washington.

Perognathus formosus Merriam.

1889. *Perognathus formosus* MERRIAM, North Amer. fauna, no. 1, p. 17. October 25, 1889.

TYPE LOCALITY. — St. George, Washington County, Utah.

Subgenus CHAETODIPUS Merriam.

1889. *Chaetodipus* MERRIAM, North Amer. fauna, no. 1, p. 5. October 25, 1889. Type.—*Perognathus spinatus* MERRIAM.

Perognathus baileyi Merriam.

1894. *Perognathus baileyi* MERRIAM, Proc. acad. nat. sci. Phila., p. 262. September 27, 1894.

TYPE LOCALITY. — Magdalena, State of Sonora, Mexico.

* **Perognathus hispidus** Baird.

1857. *Perognathus hispidus* BAIRD, Mamm. N. Amer., p. 421.

1885. *Perognathus hispidus* TRUE, Proc. U. S. nat. mus., vii (1884), p. 599. 1885.

TYPE LOCALITY. — Charco Escondido, State of Tamaulipas, Mexico.

Perognathus hispidus paradoxus (Merriam).

1889. *Perognathus paradoxus* MERRIAM, North Amer. fauna, no. 1, p. 24. October 25, 1889.

1900. *Perognathus hispidus paradoxus* OSGOOD, North Amer. fauna, no. 18, p. 44. September 20, 1900.

TYPE LOCALITY. — Banner, Trego County, Kansas.

Perognathus hispidus zacatecae Osgood.

1900. *Perognathus hispidus zacatecae* OSGOOD, North Amer. fauna, no. 18, p. 45. September 20, 1900.

TYPE LOCALITY. — Valparaiso, State of Zacatecas, Mexico.

***Perognathus penicillatus** Woodhouse.

1852. *Perognathus penicillatus* WOODHOUSE, Proc. acad. nat. sci. Phila., vi, p. 200.

1885. *Perognathus penicillatus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 599. 1885.

TYPE LOCALITY. — San Francisco Mountain, Coconino County, Arizona.

Perognathus penicillatus angustirostris Osgood.

1900. *Perognathus penicillatus angustirostris* OSGOOD, North Amer. fauna, no. 18, p. 47. September 20, 1900.

TYPE LOCALITY. — Carriso Creek, Colorado Desert, San Diego County, California.

Perognathus penicillatus pricei (Allen).

1894. *Perognathus pricei* ALLEN, Bull. Amer. mus. nat. hist., vi, p. 318. November 7, 1894.

1900. *Perognathus penicillatus pricei* OSGOOD, North Amer. fauna, no. 18, p. 47. September 20, 1900.

TYPE LOCALITY. — Oposura, State of Sonora, Mexico.

Perognathus penicillatus eremicus (Mearns).

1898. *Perognathus (Chaetodipus) eremicus* MEARNs, Bull. Amer. mus. nat. hist., x, p. 300. August 31, 1898.

1900. *Perognathus penicillatus eremicus* OSGOOD, North Amer. fauna, no. 18, p. 48. September 20, 1900.

TYPE LOCALITY. — Fort Hancock, El Paso County, Texas.

Perognathus stephensi Merriam.

1894. *Perognathus (Chaetodipus) stephensi* MERRIAM, Proc. acad. nat. sci. Phila., p. 267. September 27, 1894.

TYPE LOCALITY. — Mesquite Valley, northwest arm of Death Valley, Inyo County, California.

Perognathus arenarius Merriam.

1894. *Perognathus arenarius* MERRIAM, Proc. California acad. sci., 2d ser., iv, p. 461. September 25, 1894.

TYPE LOCALITY. — San Jorge, near Comondu, Lower California, Mexico.

Perognathus pernix Allen.

1898. *Perognathus pernix* ALLEN, Bull. Amer. mus. nat. hist., x, p. 149. April 12, 1898.

TYPE LOCALITY. — Rosario, State of Sinaloa, Mexico.

Perognathus pernix rostratus Osgood.

1900. *Perognathus pernix rostratus* OSGOOD, North Amer. fauna, no. 18, p. 51. September 20, 1900.

TYPE LOCALITY. — Camoa, Rio Mayo, State of Sonora, Mexico.

Perognathus intermedius Merriam.

1889. *Perognathus intermedius* MERRIAM, North Amer. fauna, no. 1, p. 18. October 25, 1889.

TYPE LOCALITY. — Mud Spring, Mohave County, Arizona.

Perognathus nelsoni Merriam.

1894. *Perognathus (Chaetodipus) nelsoni* MERRIAM, Proc. acad. nat. sci. Phila., p. 266. September 27, 1894.

TYPE LOCALITY. — Hacienda La Parada, about 25 miles northwest of the City of San Luis Potosi, State of San Luis Potosi, Mexico.

Perognathus nelsoni canescens (Merriam).

1894. *Perognathus (Chaetodipus) intermedius canescens* MERRIAM, Proc. acad. nat. sci. Phila., p. 267. September 27, 1894.

1900. *Perognathus nelsoni canescens* OSGOOD, North Amer. fauna, no. 18, p. 54. September 20, 1900.

TYPE LOCALITY. — Jaral, State of Coahuila, Mexico.

Perognathus goldmani Osgood.

1900. *Perognathus goldmani* OSGOOD, North Amer. fauna, no. 18, p. 54. September 20, 1900.

TYPE LOCALITY. — Sinaloa, State of Sinaloa, Mexico.

Perognathus artus Osgood.

1900. *Perognathus artus* OSGOOD, North Amer. fauna, no. 18, p. 55. September 20, 1900.

TYPE LOCALITY. — Batopilas, State of Chihuahua, Mexico.

Perognathus fallax Merriam.

1889. *Perognathus fallax* MERRIAM, North Amer. fauna, no. 1, p. 19. October 25, 1889.

TYPE LOCALITY. — Reche Canyon, three miles southeast of Colton, San Bernardino County, California.

Perognathus anthonyi Osgood.

1900. *Perognathus anthonyi* OSGOOD, North Amer. fauna, no. 18, p. 56. September 20, 1900.

TYPE LOCALITY. — South Bay, Cerros Island, Lower California, Mexico.

Perognathus femoralis Allen.

1891. *Perognathus (Chaetodipus) femoralis* ALLEN, Bull. Amer. mus. nat. hist., III, p. 281. June 30, 1891.

TYPE LOCALITY. — Dulzura, San Diego County, California.

Perognathus californicus Merriam.

1889. *Perognathus californicus* MERRIAM, North Amer. fauna, no. 1, p. 26. October 25, 1889.

TYPE LOCALITY. — Berkeley, Alameda County, California.

Perognathus californicus dispar Osgood.

1900. *Perognathus californicus dispar* OSGOOD, North Amer. fauna, no. 18, p. 58. September 20, 1900.

TYPE LOCALITY. — Carpenteria, Santa Barbara County, California.

Perognathus spinatus Merriam.

1889. *Perognathus spinatus* MERRIAM, North Amer. fauna, no. 1, p. 21. October 25, 1889.

TYPE LOCALITY. — Twenty-five miles below the Needles, Colorado River, San Bernardino County, California.

Perognathus spinatus peninsulae Merriam.

1894. *Perognathus spinatus peninsulae* MERRIAM, Proc. California acad. sci., 2d ser., IV, p. 460. September 25, 1894.

TYPE LOCALITY. — San José del Cabo, Lower California, Mexico.

Perognathus bryanti Merriam.

1894. *Perognathus bryanti* MERRIAM, Proc. California acad. sci., 2d ser., IV, p. 458. September 25, 1894.

TYPE LOCALITY. — San José Island, Lower California, Mexico.

Perognathus margaritae Merriam.

1894. *Perognathus margaritae* MERRIAM, Proc. California acad. sci., 2d ser., IV, p. 459. September 25, 1894.

TYPE LOCALITY. — Santa Margarita Island, Lower California, Mexico.

Genus **HETEROMYS** Desmarest.¹

1817. *Heteromys* DESMAREST, Mammalogie, p. 313. Type.—
Mus anomalus THOMPSON.

Heteromys adpersus Peters.

1874. *Heteromys adpersus* PETERS, Monatsber. k. preuss.
Akad. Wissensch. Berlin, p. 357.
TYPE LOCALITY. — Panama.

Heteromys albolimbatus Gray.

1868. *Heteromys albolimbatus* GRAY, Proc. zool. soc. London,
p. 205.
TYPE LOCALITY. — "La Parda" (State of San Luis Potosi?),
Mexico.

Heteromys alleni Coues.

1881. *Heteromys alleni* COUES, Bull. mus. comp. zool., VIII, p.
187.
1891. *Heteromys alleni* ALLEN, Bull. Amer. mus. nat. hist.,
III, p. 268. June 30, 1891.
TYPE LOCALITY. — Rio Verde, State of San Luis Potosi, Mex-
ico.

Heteromys bulleri Thomas.

1893. *Heteromys bulleri* THOMAS, Ann. and mag. nat. hist.,
6th ser., XI, p. 330. April, 1893.
TYPE LOCALITY. — La Laguna, Sierra de Juanacatlan, State of
Jalisco, Mexico.

***Heteromys desmarestianus** Gray.

1868. *Heteromys desmarestianus* GRAY, Proc. zool. soc. Lon-
don, p. 204.
1885. *Heteromys desmarestianus* TRUE, Proc. U. S. nat. mus.,
VII (1884), p. 599. 1885.
TYPE LOCALITY. — Coban, Guatemala.

Heteromys gaumeri Allen and Chapman.

1897. *Heteromys gaumeri* ALLEN and CHAPMAN, Bull. Amer.
mus. nat. hist., IX, p. 9. February 23, 1897.
TYPE LOCALITY. — Chichen-Itza, Yucatan.

¹List of species: Allen, Bull. Amer. mus. nat. hist., IX, p. 57. March 15, 1897.

Heteromys hispidus Allen.

1897. *Heteromys hispidus* ALLEN, Bull. Amer. mus. nat. hist., IX, p. 56. March 15, 1897.

TYPE LOCALITY.—Compostella, Terro Tepic, State of Jalisco, Mexico.

Heteromys irroratus Gray.

1868. *Heteromys irroratus* GRAY, Proc. zool. soc. London, p. 205.

TYPE LOCALITY.—State of Oaxaca, Mexico.

***Heteromys longicaudatus** Gray.

1868. *Heteromys longicaudatus* GRAY, Proc. zool. soc. London, p. 204.

1885. *Heteromys longicaudatus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 599. 1885.

TYPE LOCALITY.—“Mexico.”

Heteromys pictus Thomas.

1893. *Heteromys pictus* THOMAS, Ann. and mag. nat. hist., 6th ser., XII, p. 233. September, 1893.

TYPE LOCALITY.—Mineral San Sebastian, State of Jalisco, Mexico. Altitude, 4300 feet.

Heteromys salvini Thomas.

1893. *Heteromys salvini* THOMAS, Ann. and mag. nat. hist., 6th ser., XI, p. 331. April, 1893.

TYPE LOCALITY.—Dueñas, Guatemala.

Heteromys salvini nigrescens Thomas.

1893. *Heteromys salvini nigrescens* THOMAS, Ann. and mag. nat. hist., 6th ser., XII, p. 234. September, 1893.

TYPE LOCALITY.—Costa Rica.

Family **DIPODIDAE**.

Subfamily **ZAPODINAE**.

Genus **ZAPUS** Coues.¹

1875. *Zapus* COUES, Bull. U. S. geol. surv. terr., 2d ser., I, p. 253. Type. — *Dipus hudsonius* ZIMMERMANN.

* ***Zapus hudsonius*** (Zimmermann).

1780. *Dipus hudsonius* ZIMMERMANN, Geogr. Gesch., II, p. 358.

1875. *Zapus hudsonius* COUES, Bull. U. S. geol. surv. terr., 2d ser., I, p. 253.

1885. *Zapus hudsonius* TRUE, Proc. U. S. nat. mus., VII (1884), p. 600. 1885.

TYPE LOCALITY. — Hudson Bay.

Zapus hudsonius ladas Bangs.

1899. *Zapus hudsonius ladas* BANGS, Proc. New England zool. club, I, p. 10. February 28, 1899.

TYPE LOCALITY. — Rigoulette, Hamilton Inlet, Labrador.

Zapus hudsonius alascensis Merriam.

1897. *Zapus hudsonius alascensis* MERRIAM, Proc. biol. soc. Washington, XI, p. 223. July 15, 1897.

TYPE LOCALITY. — Yakutat Bay, Alaska.

Zapus hudsonius americanus (Barton).

1799. *Dipus americanus* BARTON, Trans. Amer. philos. soc., IV, p. 115.

1899. *Zapus hudsonius americanus* BATCHELDER, Proc. New England zool. club, I, p. 6. February 8, 1899.

TYPE LOCALITY. — Near Philadelphia, Pennsylvania.

¹ Revised by Preble, North Amer. fauna, No. 15. August 8, 1899.

Zapus hudsonius campestris Preble.

1899. *Zapus hudsonius campestris* PREBLE, North Amer. fauna, no. 15, p. 20. August 8, 1899.

TYPE LOCALITY. — Bear Lodge Mountains, Crook County, Wyoming.

Zapus tenellus Merriam.

1897. *Zapus tenellus* MERRIAM, Proc. biol. soc. Washington, XI, p. 103. April 26, 1897.

TYPE LOCALITY. — Kamloops, British Columbia, Canada.

Zapus princeps Allen.

1893. *Zapus princeps* ALLEN, Bull. Amer. mus. nat. hist., v, p. 71. April 28, 1893.

TYPE LOCALITY. — Florida, La Plata County, Colorado.

Zapus princeps minor Preble.

1899. *Zapus princeps minor* PREBLE, North Amer. fauna, no. 15, p. 23. August 8, 1899.

TYPE LOCALITY. — Wingard, near Carlton House, Saskatchewan, Canada.

Zapus princeps oregonus Preble.

1899. *Zapus princeps oregonus* PREBLE, North Amer. fauna, no. 15, p. 24. August 8, 1899.

TYPE LOCALITY. — Elgin, Blue Mountains, Union County, Oregon.

Zapus major Preble.

1899. *Zapus major* PREBLE, North Amer. fauna, no. 15, p. 24. August 8, 1899.

TYPE LOCALITY. — Warner Mountains, Lake County, Oregon.

Zapus nevadensis Preble.

1899. *Zapus nevadensis* PREBLE, North Amer. fauna, no. 15, p. 25. August 8, 1899.

TYPE LOCALITY. — Ruby Mountains, Elko County, Nevada.

Zapus trinotatus Rhoads.

1894. *Zapus trinotatus* RHOADS, Proc. acad. nat. sci. Phila., p. 421. January 15, 1895.

TYPE LOCALITY. — Lulu Island, mouth of Fraser River, British Columbia, Canada.

Zapus trinotatus alleni (Elliot).

1898. *Zapus alleni* ELLIOT, Field Colum. mus., publication 27, zool. ser., I, p. 212. March, 1898.

1899. *Zapus trinotatus alleni* PREBLE, North Amer. fauna, no. 15, p. 27. August 8, 1899.

TYPE LOCALITY. — Pyramid Peak, Lake Tahoe, Eldorado County, California.

Zapus montanus (Merriam).

1897. *Zapus trinotatus montanus* MERRIAM, Proc. biol. soc. Washington, XI, p. 104. April 26, 1897.

1899. *Zapus montanus* PREBLE, North Amer. fauna, no. 15, p. 28. August 8, 1899.

TYPE LOCALITY. — Crater Lake, Mount Mazama, Klamath County, Oregon.

Zapus orarius Preble.

1899. *Zapus orarius* PREBLE, North Amer. fauna, no. 15, p. 29. August 8, 1899.

TYPE LOCALITY. — Point Reyes, Marin County, California.

Zapus pacificus Merriam.

1897. *Zapus pacificus* MERRIAM, Proc. biol. soc. Washington, XI, p. 104. April 26, 1897.

TYPE LOCALITY. — Prospect, Rogue River Valley, Jackson County, Oregon.

Zapus saltator Allen.

1899. *Zapus saltator* ALLEN, Bull. Amer. mus. nat. hist., XII, p. 3. March 4, 1899.

TYPE LOCALITY. — Telegraph Creek, Stikine River, British Columbia, Canada.

Genus **NAPAEOZAPUS** Preble.¹

1899. *Napaeozapus* PREBLE, North Amer. fauna, no. 15, p. 33. August 8, 1899. Type. — *Zapus insignis* MILLER.

¹ Characterized as a subgenus by Preble, but regarded as a genus by Miller (Bull. N. Y. State museum, VI, p. 330, November 18, 1899).

Napaeozapus insignis (Miller).

1891. *Zapus insignis* MILLER, Amer. nat., xxv, p. 742. August, 1891.

1899. *Napaeozapus insignis* MILLER, Bull. N. Y. State museum, vi, p. 330. November 18, 1899.

TYPE LOCALITY. — Restigouche River, New Brunswick, Canada.

Napaeozapus insignis roanensis (Preble).

1899. *Zapus* (*Napaeozapus*) *insignis roanensis* PREBLE, North Amer. fauna, no. 15, p. 35. August 8, 1899.

1900. *Napaeozapus insignis roanensis* Miller, Bull. N. Y. State museum, viii, p. 114. November 21, 1900.

TYPE LOCALITY. — Roan Mountain, Mitchell County, North Carolina.

Napaeozapus insignis abietorum (Preble).

1899. *Zapus* (*Napaeozapus*) *insignis abietorum* PREBLE, North Amer. fauna, no. 15, p. 36. August 8, 1899.

1900. *Napaeozapus insignis abietorum* Miller, Bull. N. Y. State museum, viii, p. 114. November 21, 1900.

TYPE LOCALITY. — Peninsula Harbor, north shore of Lake Superior, Ontario, Canada.

Family **OCTODONTIDAE**.Subfamily **LONCHERINAE**.Genus **LONCHERES** Illiger.

1811. *Loncheres* ILLIGER, Prodr. syst. mamm. et avium, p. 90. Type. — *Myoxus chrysurus* ZIMMERMANN.

Loncheres armatus (Is. Geoffroy).

1838. *Nelomys armatus* IS. GEOFFROY, Ann. sci. nat., 2d ser., x, p. 125.

1843. *L[oncheres] armata* WAGNER, Schreber's Säugthiere, Suppl., III, p. 335.

1885. *Loncheres armatus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 550. 1885.

TYPE LOCALITY. — Cayenne, French Guiana.

Genus **PROECHIMYS** Allen.

1899. *Proechimys* ALLEN, Bull. Amer. mus. nat. hist., XII, p. 264. December 26, 1899. Type. — *Echimy's trinitatis* ALLEN and CHAPMAN.

Proechimys centralis (Thomas).

1896. *Echinomys centralis* THOMAS, Ann. and mag. nat. hist., 6th ser., XVIII, p. 312. October, 1896.

1899. *Proechimys centralis* ALLEN, Bull. Amer. mus. nat. hist., XII, p. 264. December 26, 1899.

TYPE LOCALITY. — San Emilio, north end of Lake Nicaragua, Nicaragua.

Proechimys centralis chiriquinus Thomas.

1900. *Proechimys centralis chiriquinus* THOMAS, Ann. and mag. nat. hist., 7th ser., v, p. 220. February, 1900.

TYPE LOCALITY. — Bogava, Chiriqui, Panama. Altitude, 800 feet.

Subfamily CAPROMYINAE.

Genus **CAPROMYS** Desmarest.

1822. *Capromys* DESMAREST, Mém. soc. d'hist. nat., I, p. 43. Type. — *Capromys furnieri* DESMAREST = *Isodon pilorides* SAY.

* **Capromys brachyurus** Hill.

1851. *Capromys brachyurus* HILL, Gosse's Nat. sojourn in Jamaica, p. 471.

1885. *Capromys brachyurus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 600. 1885.

TYPE LOCALITY. — Jamaica.

Capromys brachyurus thoracatus True.

1888. *Capromys brachyurus thoracatus* TRUE, Proc. U. S. nat. mus., p. 469. September 3, 1888.

TYPE LOCALITY. — Little Swan Island, Gulf of Honduras.

Capromys ingrahami Allen.

1891. *Capromys ingrahami* ALLEN, Bull. Amer. mus. nat. hist., III, p. 329. August 31, 1891.

TYPE LOCALITY. — Plana Key, Bahama Islands.

* **Capromys melanurus** Poey.

1864. *Capromys melanurus* POEY, Monatsber. k. preuss. Akad. Wissensch. Berlin, p. 384.

1885. *Capromys melanurus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 600. 1885.

TYPE LOCALITY. — Manzanillo, Cuba.

* **Capromys pilorides** (Say).

1822. *I[sodon] pilorides* SAY, Journ. acad. nat. sci. Phila., II, p. 333.

1848. *Capromys pilorides* WATERHOUSE, Nat. hist. of mamm., II, p. 287.

1885. *Capromys pilorides* TRUE, Proc. U. S. nat. mus., VII (1884), p. 600. 1885.

TYPE LOCALITY. — "South America or one of the West Indian islands." (Cuba.)

* **Capromys prehensilis** Poeppig.

1824. *Capromys prehensilis* POEPPIG, Journ. acad. nat. sci. Phila., IV, p. 11.

1885. *Capromys prehensilis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 600. 1885.

TYPE LOCALITY. — Wooded parts of southern Cuba.

Genus **PLAGIODONTIA** F. Cuvier.

1836. *Plagiodontia* F. CUVIER, Ann. sci. nat., 2d ser., VI
p. 347. Type. — *Plagiodontia aedium* F. CUVIER.

* **Plagiodontia aedium** F. Cuvier.

1836. *Plagiodontia aedium* F. CUVIER, Ann. sci. nat., 2d
ser., VI, p. 347.

1885. *Plagiodontia aedium* TRUE, Proc. U. S. nat. mus., VII
(1884), p. 600. 1885.

TYPE LOCALITY. — San Domingo.

Family **ERETHIZONTIDAE**.

Subfamily **ERETHIZONTINAE**.

Genus **ERETHIZON** F. Cuvier.

1822. *Erethizon* F. CUVIER, Mém. mus. d'hist. nat., Paris, IX,
p. 426. Type. — *Hystrix dorsata* LINNAEUS.

* **Erethizon dorsatum** (Linnaeus).

1758. [*Hystrix*] *dorsata* LINNAEUS, Syst. nat., x ed., I, p. 57.

1822. *E[rethizon] dorsatum* F. CUVIER, Mém. mus. d'hist.
nat., Paris, IX, p. 432.

1885. *Erethizon dorsatus dorsatus* TRUE, Proc. U. S. nat.
mus., VII (1884), p. 600. 1885.

TYPE LOCALITY. — Eastern Canada.

Erethizon dorsatum picinum Bangs.

1900. *Erethizon dorsatus picinus* BANGS, Proc. New Eng-
land zool. club, II, p. 37. September 20, 1900.

TYPE LOCALITY. — Lance au Loup, Strait of Belle Isle, Lab-
rador.

* **Erethizon epixanthum** Brandt.

1835. *Erethizon epixanthus* BRANDT, Mém. acad. imp. des sci., St. Petersburg, 6th ser., I, p. 390.

1885. *Erethizon dorsatus epixanthus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 600. 1885.

TYPE LOCALITY. — Northwestern America.

Erethizon epixanthum couesi Mearns.

1897. *Erethizon epixanthus couesi* MEARNS, Proc. U. S. nat. mus., XIX, p. 723. July 30, 1897.

TYPE LOCALITY. — Fort Whipple, Yavapai County, Arizona.

Erethizon epixanthum myops Merriam.

1900. *Erethizon epixanthus myops* MERRIAM, Proc. Washington acad. sci., II, p. 27. March 14, 1900.

TYPE LOCALITY. — Portage Bay, Alaska Peninsula, Alaska.

Genus **COENDOU** Lacépède.

1799. *Coendou* LACÉPÈDE, Tableau des divisions, sous-divisions, ordres et genres des mammifères, p. 11 (published as supplement to Discours d'ouverture et de clôture du cours d'histoire naturelle et tableaux méthodiques des mammifères et des oiseaux.) Type.— *Hystrix prehensilis* LINNAEUS.

This name was formally adopted in place of *Sinetherus* F. Cuvier (Mém. mus. d'hist. nat., Paris, IX, p. 433, 1822) by Trouessart in 1897 (Catal. mamm., pt. III, p. 621).

* **Coendou mexicanum** (Kerr).

1792. *Hystrix mexicana* KERR, Anim. kingd., I, p. 214.

1885. *Syntheres mexicanus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 600. 1885.

TYPE LOCALITY. — Mountains of Mexico.

Coendou pallidum (Waterhouse).

1848. *Cercolabes pallidus* WATERHOUSE, Nat. hist. of mamm., II, p. 434.

1897. [*Coendu*] *pallidus* TROUËSSART, Catal. mamm., pt. III, p. 622.

TYPE LOCALITY. — "Said to be . . . the West Indies."

Family **DASYPROCTIDAE**.

Genus **DASYPROCTA** Illiger.

1811. *Dasyprocta* ILLIGER, Prodr. syst. mamm. et avium, p. 93.
Included two species — *aguti* and *acuchy*.

* **Dasyprocta cristata** (Desmarest).

1816. *Cavia cristata* DESMAREST, Nouv. dict. d'hist. nat., I, p. 213.

1820. *Dasyprocta cristata* DESMAREST, Mamm., p. 358.

1885. *Dasyprocta cristata*, TRUE, Proc. U. S. nat. mus., VII (1884), p. 600. 1885.

TYPE LOCALITY. — "Surinam"; this is erroneous according to Alston, who states that the animal is West Indian.

* **Dasyprocta isthmica** Alston.

1876. *Dasyprocta isthmica* ALSTON, Proc. zool. soc. London, p. 347.

1885. *Dasyprocta isthmica* TRUE, Proc. U. S. nat. mus., VII (1884), p. 600. 1885.

TYPE LOCALITY. — Colon, Colombia.

* **Dasyprocta mexicana** Saussure.

1860. *Dasyprocta mexicana* SAUSSURE, Revue et magasin de zoologie, 2d ser., XII, p. 53.

1885. *Dasyprocta mexicana* TRUE, Proc. U. S. nat. mus., VII (1884), p. 600. 1885.

TYPE LOCALITY. — "Hot zone of Mexico"; probably in the State of Vera Cruz.

* **Dasyprocta punctata** Gray.

1842. *Dasyprocta punctata* GRAY, Ann. and mag. nat. hist., x, p. 264.

1885. *Dasyprocta punctata* TRUE, Proc. U. S. nat. mus., VII (1884), p. 600. 1885.

TYPE LOCALITY. — South America.

Genus **AGOUTI** Lacépède.

1799. *Agouti* LACÉPÈDE, Tableau des divisions, sous-divisions, ordres et genres des mammifères, p. 9 (published as supplement to Discours d'ouverture et de clôture du cours d'histoire naturelle et tableaux méthodiques des mammifères et des oiseaux.) Type. — *Mus paca* LINNAEUS.

The fact that this name antedates *Coelogenys* F. Cuvier (Ann. du mus. d'hist. nat., Paris, x, p. 203, 1807) has been pointed out by Palmer (Proc. biol. soc. Washington, XI, pp. 243, 248, December 17, 1897).

* **Agouti paca** (Linnaeus).

1766. [*Mus*] *paca* LINNAEUS, Syst. nat., XII ed., I, p. 81.

1799. *Agouti paca* LACÉPÈDE, Tableau des divisions, sous-divisions, ordres et genres des mammifères, p. 9.

1885. *Coelogenys paca* TRUE, Proc. U. S. nat. mus., VII (1884), p. 600. 1885.

TYPE LOCALITY. — Brazil.

Suborder DUPLICIDENTATA.

Family OCHOTONIDAE.

Genus **OCHOTONA** Link.

1795. *Ochotona* LINK, Zool. Beyträge, I, pt. II, p. 74. Included the species *pusillus*, *alpinus*, and *ochotona*.

Ochotona collaris (Nelson).

1893. *Lagomys collaris* NELSON, Proc. biol. soc. Washington, VIII, p. 117. December 21, 1893.

1897. [*Ochotona*] *collaris* TROUSSERT, Catal. mamm., pt. III, p. 648.

TYPE LOCALITY. — Near head of Tanana River, about 200 miles south of Fort Yukon, Alaska.

Ochotona cuppes Bangs.

1899. *Ochotona cuppes* BANGS, Proc. New England zool. club, I, p. 40. June 5, 1899.

TYPE LOCALITY. — Monishee Divide, Gold Range, British Columbia, Canada. Altitude, 4000 feet.

Ochotona princeps (Richardson).

1828. *Lepus (Lagomys) princeps* RICHARDSON, Zool. journ., III, p. 520.

1897. [*Ochotona*] *princeps* TROUSSERT, Catal. mamm., pt. III, p. 648.

TYPE LOCALITY. — "Stony places in the Rocky Mountains"; probably mountains of northern British Columbia.

* **Ochotona saxatilis** Bangs.

1885. *Lagomys princeps* TRUE, Proc. U. S. nat. mus., VII (1884), p. 600. 1885. (Part.)

1899. *Ochotona saxatilis* BANGS, Proc. New England zool. club, I, p. 41. June 5, 1899.

TYPE LOCALITY. — Near timberline, Snowy Range, Montgomery, Park County, Colorado.

Ochotona schisticeps (Merriam).

1889. *Lagomys schisticeps* MERRIAM, North Amer. fauna, no. 2, p. 11. October 30, 1889.

1897. *Ochotona schisticeps* MERRIAM, Mazama, I, p. 223. October, 1897.

TYPE LOCALITY. — Donner, Placer County, California.

Family **LEPORIDAE**.Genus **ROMEROLAGUS** Merriam.

1896. *Romerolagus* MERRIAM, Proc. biol. soc. Washington, x, p. 173. December 29, 1896. Type. — *Romerolagus nelsoni* MERRIAM.

Romerolagus nelsoni Merriam.

1896. *Romerolagus nelsoni* MERRIAM, Proc. biol. soc. Washington, x, p. 173. December 29, 1896.

TYPE LOCALITY. — West slope of Mount Popocatepetl, State of Mexico, Mexico. Altitude, 11,000 feet.

According to an anonymous reviewer in Natural Science (x, p. 151, March, 1897) this animal received the name *Lepus diazi* in 1893 (Ferrari-Pérez, Exposición Internacional Columbiana de Chicago en 1893. Catalogo Comision Geográfico-Explorada de la República Mexicana, pl. 42, March, 1893).

Genus **LEPUS** Linnaeus.

1758. *Lepus* LINNAEUS, Syst. nat., x ed., i, p. 57. Type.—*Lepus timidus* LINNAEUS.

Subgenus **LEPUS** Linnaeus.* **Lepus americanus** Erxleben.

1777. [*Lepus*] *americanus* ERXLEBEN, Syst. regni anim., i, p. 330.

1885. *Lepus americanus americanus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 601. 1885.

TYPE LOCALITY. — Vicinity of Hudson Bay, Canada.

* **Lepus americanus bairdii** (Hayden).

1869. *Lepus bairdii* HAYDEN, Amer. nat., III, p. 115. May, 1869.

1874. *Lepus americanus* var. *bairdii* ALLEN, Bull. Essex inst., VI, p. 61.

1885. *Lepus americanus bairdii* TRUE, Proc. U. S. nat. mus., VII (1884), p. 601. 1885.

TYPE LOCALITY. — Columbia Valley, Wind River Mountains, Fremont County, Wyoming.

***Lepus americanus columbiensis* Rhoads.**

1895. *Lepus americanus columbiensis* RHOADS, Proc. acad. nat. sci. Phila., p. 242. July 2, 1895.

TYPE LOCALITY. — Vernon, British Columbia, Canada.

***Lepus americanus dalli* Merriam.**

1900. *Lepus americanus dalli* MERRIAM, Proc. Washington acad. sci., II, p. 29. March 14, 1900.

TYPE LOCALITY. — Nulato River, Alaska.

***Lepus americanus macfarlani* Merriam.**

1900. *Lepus americanus macfarlani* MERRIAM, Proc. Washington acad. sci., II, p. 30. March 14, 1900.

TYPE LOCALITY. — Fort Anderson, near mouth of Anderson River, Mackenzie, Canada.

***Lepus americanus phaeonotus* Allen.**

1899. *Lepus americanus phaeonotus* ALLEN, Bull. Amer. mus. nat. hist., XII, p. 11. March 4, 1899.

TYPE LOCALITY. — Hallock, Kittson County, Minnesota.

***Lepus americanus struthopus* Bangs.**

1898. *Lepus americanus struthopus* BANGS, Proc. biol. soc. Washington, XII, p. 81. March 24, 1898.

TYPE LOCALITY. — Digby, Nova Scotia, Canada.

*** *Lepus americanus virginianus* (Harlan).**

1825. *Lepus virginianus* HARLAN, Fauna Americana, p. 196.

1877. [*Lepus americanus*] var. *virginianus* ALLEN, Monogr. N. Amer. rodentia, p. 307. August, 1877.

1885. *Lepus americanus virginianus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 601. 1885.

TYPE LOCALITY. — Blue Mountains, northeast of Harrisburg, Pennsylvania.

Lepus arcticus Ross.¹

1819. *Lepus arcticus* Ross, Ross's voyage, 8vo. ed., II, append. iv, p. 151.

1896. *Lepus arcticus* RHOADS, Amer. nat., xxx, p. 235. March, 1896.

TYPE LOCALITY. — Baffin Land, southeast of Cape Bowen.

On page 170 of the same volume this species is named *Lepus glacialis* by Leach (see Rhoads, Amer. nat., xxx, pp. 234-235, March, 1896; Stone, Auk, XIII, p. 183-187, April, 1896; Merriam, Science, n. s., III, pp. 564-565, April 10, 1896; Rhoads, Science, n. s., III, pp. 843-844, June 5, 1896; Merriam, Science, n. s., III, p. 845, June 5, 1896).

Lepus arcticus bangsii Rhoads.

1896. *Lepus arcticus bangsii* RHOADS, Amer. nat., xxx, p. 236. March, 1896.

TYPE LOCALITY. — Codroy, Newfoundland.

Regarded by Miller (Proc. biol. soc. Washington, XIII, p. 39, May 29, 1899) as a distinct species.

Lepus bishopi Allen.

1899. *Lepus bishopi* ALLEN, Bull. Amer. mus. nat. hist., XII, p. 11. March 4, 1899.

TYPE LOCALITY. — Mill Lake, Turtle Mountains, near northern border of North Dakota.

* **Lepus campestris** Bachman.

1837. *Lepus campestris* BACHMAN, Journ. acad. nat. sci. Phila., VII, p. 349.

1885. *Lepus campestris* TRUE, Proc. U. S. nat. mus., VII (1884), p. 601. 1885.

TYPE LOCALITY. — Plains of the Saskatchewan, Canada.

Lepus groenlandicus Rhoads.

1896. *Lepus groenlandicus* RHOADS, Amer. nat., xxx, p. 236. March, 1896.

TYPE LOCALITY. — Robertson's Bay (lat. 78° N.), Greenland.

¹ The polar hares were revised by Rhoads in 1896 (Proc. acad. nat. sci. Phila., pp. 351-376, Aug. 4, 1896), but numerous changes in the status and nomenclature of the species have since been made.

Lepus klamathensis Merriam.

1899. *Lepus klamathensis* MERRIAM, North Amer. fauna, no. 16, p. 100. October 28, 1899.

TYPE LOCALITY. — Fort Klamath, Klamath County, Oregon.

* **Lepus labradorius** Miller.

1885. *Lepus timidus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 601. 1885. (Part.)

1899. *Lepus labradorius* MILLER, Proc. biol. soc. Washington, XIII, p. 39. May 29, 1899.

TYPE LOCALITY. — Fort Chimo, Ungava, Labrador.

Lepus othus Merriam.

1896. *Lepus tschuktschorum* RHOADS, Proc. acad. nat. sci. Phila., 371. August 4, 1896. (Part.)

1900. *Lepus othus* MERRIAM, Proc. Washington acad. sci., II, p. 28. March 14, 1900.

TYPE LOCALITY. — St. Michaels, Norton Sound, Alaska.

Lepus poadromus Merriam.

1900. *Lepus poadromus* MERRIAM, Proc. Washington acad. sci., II, p. 29. March 14, 1900.

TYPE LOCALITY. — Stepovak Bay, Alaska Peninsula, Alaska.

* **Lepus washingtonii** Baird.

1855. *Lepus washingtonii* BAIRD, Proc. acad. nat. sci. Phila., VII, p. 333.

1885. *Lepus americanus washingtoni* TRUE, Proc. U. S. nat. mus., VII (1884), p. 601. 1885.

1895. *Lepus washingtoni* RHOADS, Proc. acad. nat. sci. Phila., p. 241. July 2, 1895.

TYPE LOCALITY. — Puget Sound.

Subgenus **MACROTOLAGUS** Mearns.

1896. *Macrotolagus* MEARN'S, Proc. U. S. nat. mus., XVIII, p. 552. Type. — *Lepus alleni* MEARN'S.

Lepus alleni Mearns.

1890. *Lepus alleni* MEARN'S, Bull. Amer. mus. nat. hist., II, p. 294. February 21, 1890.

TYPE LOCALITY. — Rillito, on the Southern Pacific Railroad, Pima County, Arizona.

Lepus alleni palitans Bangs.

1900. *Lepus (Macrotolagus) alleni palitans* BANGS, Proc. New England zool. club, I, p. 85. February 23, 1900.

TYPE LOCALITY. — Aguacaliente, about forty miles southeast of Mazatlan, State of Sinaloa, Mexico.

Lepus asellus Miller.

1899. *Lepus asellus* MILLER, Proc. acad. nat. sci. Phila., p. 380. October 5, 1899.

TYPE LOCALITY. — San Luis Potosi, State of San Luis Potosi, Mexico.

*** Lepus californicus** Gray.

1837. *Lepus californica* GRAY, Charlesworth's mag. nat. hist., I, p. 586.

1885. *Lepus californicus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 601. 1885.

TYPE LOCALITY. — "St. Antoine" (Santa Barbara County?), California.

Lepus californicus xanti Thomas.

1898. *Lepus californicus xanti* THOMAS, Ann. and mag. nat. hist., 7th ser., I, p. 45. January, 1898.

TYPE LOCALITY. — Santa Anita, Lower California, Mexico.

*** Lepus callotis** Wagler.

1830. *Lepus callotis* WAGLER, Nat. Syst. der Amphibien, p. 23.

1885. *Lepus callotis callotis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 601. 1885. (Part.)

TYPE LOCALITY. — "Mexico."

Lepus gaillardi Mearns.

1896. *Lepus gaillardi* MEARN'S, Proc. U. S. nat. mus., XVIII, p. 560. June 24, 1896.

TYPE LOCALITY. — West Fork of the Playas Valley, near monument no. 63, Mexican boundary line, Grant County, New Mexico.

Lepus insularis Bryant.

1891. *Lepus insularis* BRYANT, Proc. California acad. sci., 2d ser., III, p. 92. April 23, 1891.

1895. *Lepus edwardsi* ST. LOUP, Bull. mus. d'hist. nat., Paris, I, p. 5.

TYPE LOCALITY. — Espiritu Santo Island, Lower California, Mexico.

Lepus martirensis Stowell.

1895. *Lepus martirensis* STOWELL, Proc. California acad. sci., 2d ser., v, p. 51. May 28, 1895.

TYPE LOCALITY. — San Pedro Martir Mountains, Lower California, Mexico.

* **Lepus melanotis** Mearns.

1885. *Lepus callotis texianus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 601. 1885. (Part.)

1890. *Lepus melanotis* MEARN'S, Bull. Amer. mus. nat. hist., II, p. 297. February 21, 1890.

TYPE LOCALITY. — Independence, Montgomery County, Kansas.

Lepus merriami Mearns.

1896. *Lepus merriami* MEARN'S, Preliminary diagnoses of new mammals from the Mexican border of the United States, p. 2. March 25, 1896. (Reprint: Proc. U. S. nat. mus., XVIII, p. 443. May 23, 1896.)

TYPE LOCALITY. — Fort Clark, Kinney County, Texas.

Lepus texianus Waterhouse.

1848. *Lepus texianus* WATERHOUSE, Nat. hist. mamm., II, p. 136.

1890. *Lepus texianus* MEARN'S, Bull. Amer. mus. nat. hist., II, p. 294. February 21, 1890.

TYPE LOCALITY. — Unknown, but probably in Arizona (see Mearns, Bull. Amer. mus. nat. hist., II, p. 296, February 21, 1890).

Lepus texianus deserticola Mearns.

1896. *Lepus texianus deserticola* MEARN'S, Proc. U. S. nat. mus., XVIII, p. 564. June 24, 1896.

TYPE LOCALITY. — Western edge of Colorado Desert, at the base of Coast Range Mountains, San Diego County, California.

Lepus texianus eremicus Allen.

1894. *Lepus texianus eremicus* ALLEN, Bull. Amer. mus. nat. hist., VI, p. 347. December 7, 1894.

TYPE LOCALITY.—Fairbank, Cochise County, Arizona.

Lepus texianus griseus Mearns.

1896. *Lepus texianus griseus* MEARNs, Proc. U. S. nat. mus., XVIII, p. 562. June 24, 1896.

TYPE LOCALITY.—Fort Hancock, El Paso County, Texas.

Subgenus LIMNOLAGUS Mearns.

1897. *Limnolagus* MEARNs, Science, n. s., v, p. 393. March 5, 1897. Type.—*Lepus aquaticus* BACHMAN.

* **Lepus aquaticus** Bachman.

1837. *Lepus aquaticus* BACHMAN, Journ. acad. nat. sci. Phila., VII, p. 319.

1885. *Lepus aquaticus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 601. 1885. (Part.)

TYPE LOCALITY.—Swamps of Alabama and Mississippi.

Lepus aquaticus attwateri Allen.

1895. *Lepus aquaticus attwateri* ALLEN, Bull. Amer. mus. nat. hist., VII, p. 327. November 8, 1895.

TYPE LOCALITY.—Medina River, eighteen miles south of San Antonio, Bexar County, Texas.

* **Lepus palustris** Bachman.

1837. *Lepus palustris* BACHMAN, Journ. acad. nat. sci. Phila., VII, p. 194.

1885. *Lepus palustris* TRUE, Proc. U. S. nat. mus., VII (1884), p. 601. 1885. (Part.)

TYPE LOCALITY.—Eastern South Carolina.

Lepus palustris paludicola (Miller and Bangs).

1894. *Lepus paludicola* MILLER and BANGS, Proc. biol. soc. Washington, IX, p. 105. June 9, 1894.

1894. *Lepus palustris paludicola* CHAPMAN, Bull. Amer. mus. nat. hist., VI, p. 340. November 30, 1894.

TYPE LOCALITY.—Fort Island, near Crystal River, Citrus County, Florida.

Lepus telmalemonus Elliot.

1899. *Lepus telmalemonus* ELLIOT, Field Columbian mus., publication 38, zool. ser., 1, p. 285. May 24, 1899.

TYPE LOCALITY.—Washita River, near Dougherty, Chickasaw Nation, Indian Territory.

Lepus truei Allen.

1890. *Lepus truei* ALLEN, Bull. Amer. mus. nat. hist., III, p. 192. December 10, 1890.

TYPE LOCALITY.—Mirador, State of Vera Cruz, Mexico.

Subgenus SYLVILAGUS Gray.

1867. *Sylvilagus* GRAY, Ann. and mag. nat. hist., 3d ser., xx, p. 221. Type.—*Lepus sylvaticus* BACHMAN.

Forsyth Major has recently (Trans. Linn. soc. London, zool., 2d ser., VII, pp. 433-520, November, 1899) united *Sylvilagus*, *Limnolagus*, *Romerolagus*, and *Tapeti* to form a group, *Sylvilagus*, coordinate in rank with *Caprolagus*, *Nesolagus*, and *Oryctolagus*. He remarks (p. 514) that whether these four groups "are to be considered as genera or subgenera is for the present quite immaterial."

* **Lepus arizonae** (Allen).

1877. [*Lepus sylvaticus*] var. *arizonae* ALLEN, Monogr. N. Amer. rodentia, p. 332. August, 1877.

1885. *Lepus sylvaticus arizonae* TRUE, Proc. U. S. nat. mus., VII (1884), p. 601. 1885.

1890. *Lepus arizonae* MERRIAM, North Amer. fauna, no. 3, p. 76. September 11, 1890.

TYPE LOCALITY.—Beal's Springs, fifty miles west of Fort Whipple, Yavapai County, Arizona.

Lepus arizonae confinis Allen.

1898. *Lepus arizonae confinis* ALLEN, Bull. Amer. mus. nat. hist., x, p. 146. April 12, 1898.

TYPE LOCALITY. — Playa Maria, Lower California, Mexico.

Lepus arizonae major Mearns.

1896. *Lepus arizonae major* MEARNs, Proc. U. S. nat. mus., xviii, p. 557. June 24, 1896.

TYPE LOCALITY. — Calabasas, Pima County, Arizona.

Lepus arizonae minor Mearns.

1896. *Lepus arizonae minor* MEARNs, Proc. U. S. nat. mus., xviii, p. 557. June 24, 1896.

TYPE LOCALITY. — El Paso, El Paso County, Texas.

Lepus baileyi Merriam.

1897. *Lepus baileyi* MERRIAM, Proc. biol. soc. Washington, xi, p. 148. June 9, 1897.

TYPE LOCALITY. — Spring Creek, east side of Bighorn Basin, Bighorn County, Wyoming.

Lepus floridanus (Allen).

1890. *Lepus sylvaticus floridanus* ALLEN, Bull. Amer. mus. nat. hist., iii, p. 160. October 8, 1890.

1899. *Lepus floridanus* ALLEN, Bull. Amer. mus. nat. hist., xii, p. 13. March 4, 1899.

TYPE LOCALITY. — Sebastian River, Brevard County, Florida.

Lepus floridanus alacer (Bangs).

1896. *Lepus sylvaticus alacer* BANGS, Proc. biol. soc. Washington, x, p. 136. December 28, 1896.

TYPE LOCALITY. — Stilwell, Boston Mountains, Indian Territory.

***Lepus floridanus audubonii** (Baird).

1857. *Lepus audubonii* BAIRD, Mamm. N. Amer., p. 608.

1885. *Lepus sylvaticus auduboni* TRUE, Proc. U. S. nat. mus., vii (1884), p. 601. 1885.

1899. *Lepus floridanus auduboni* MILLER, Proc. acad. nat. sci. Phila., p. 389. October, 1899.

TYPE LOCALITY. — San Francisco, California.

The combination *Lepus floridanus audubonii* is untenable.

Lepus floridanus aztecus (Allen).

1890. *Lepus sylvaticus aztecus* ALLEN, Bull. Amer. mus. nat. hist., III, p. 188. December 10, 1890.

TYPE LOCALITY.— City of Tehuantepec, State of Oaxaca, Mexico.

Lepus floridanus caniclonis Miller.

1899. *Lepus floridanus caniclonis* MILLER, Proc. acad. nat. sci. Phila., p. 388. October 5, 1899.

TYPE LOCALITY. — Fort Clark, Kinney County, Texas.

Lepus floridanus chapmani Allen.

1894. *Lepus sylvaticus bachmani* ALLEN, Bull. Amer. mus. nat. hist., VI, p. 170. May 31, 1894.

1899. *Lepus floridanus chapmani* ALLEN, Bull. Amer. mus. nat. hist., XII, p. 12. March 4, 1899.

TYPE LOCALITY. — Corpus Christi, Nueces County, Texas.

Lepus floridanus holzneri (Mearns).

1896. *Lepus sylvaticus holzneri* MEARN, Proc. U. S. nat. mus., XVIII, p. 554. June 24, 1896.

TYPE LOCALITY. — Douglas spruce zone, near summit of Huachuca Mountains, southern Arizona.

* **Lepus floridanus mallurus** (Thomas).

1885. *Lepus sylvaticus sylvaticus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 601. 1885. (Part.)

1898. *L[epus] n[uttalli] mallurus* THOMAS, Ann. and mag. nat. hist., 7th ser., II, p. 320. October, 1898.

1899. *Lepus floridanus mallurus* ALLEN, Bull. Amer. mus. nat. hist., XII, p. 13. March 4, 1899.

TYPE LOCALITY. — Raleigh, Wake County, North Carolina.

Lepus floridanus mearnsi (Allen).

1894. *Lepus sylvaticus mearnsi* ALLEN, Bull. Amer. mus. nat. hist., VI, p. 171. May 31, 1894.

1899. *Lepus floridanus mearnsi* ALLEN, Bull. Amer. mus. nat. hist., XII, p. 13. March 4, 1899.

TYPE LOCALITY.— Fort Snelling, Hennepin County, Minnesota.

Lepus floridanus pinetis (Allen).

1894. *Lepus sylvaticus pinetis* ALLEN, Bull. Amer. mus. nat. hist., VI, p. 348. December 7, 1894.

TYPE LOCALITY. — White Mountains, Apache County, Arizona.

Lepus floridanus rigidus (Mearns).

1896. [*Lepus sylvaticus*] subspecies *rigidus* MEARN'S, Proc. U. S. nat. mus., xviii, p. 555. June 24, 1896.

TYPE LOCALITY.—Carrizalillo Mountains, near monument no. 31, Mexican boundary line, Grant County, New Mexico.

Lepus floridanus sanctidiégi Miller.

1899. *Lepus floridanus sanctidiégi* MILLER, Proc. acad. nat. sci. Phila., p. 389. October 5, 1899.

TYPE LOCALITY.—Mexican boundary monument no. 258, shore of Pacific Ocean, San Diego County, California.

Lepus floridanus subcinctus Miller.

1899. *Lepus floridanus subcinctus* MILLER, Proc. acad. nat. sci. Phila., p. 386. October 5, 1899.

TYPE LOCALITY.—Hacienda El Molino, near Negrete, State of Michoacan, Mexico.

Lepus floridanus transitionalis (Bangs).

1895. *Lepus sylvaticus transitionalis* BANGS, Proc. Boston soc. nat. hist., xxvi, p. 405. January 31, 1895.

1899. *Lepus floridanus transitionalis* ALLEN, Bull. Amer. mus. nat. hist., xii, p. 13. March 4, 1899.

TYPE LOCALITY.—Liberty Hill, New London County, Connecticut.

Lepus floridanus yucatanicus Miller.

1899. *Lepus floridanus yucatanicus* MILLER, Proc. acad. nat. sci. Phila., p. 384. October 5, 1899.

TYPE LOCALITY.—Merida, Yucatan.

Lepus grangeri (Allen).

1895. *Lepus sylvaticus grangeri* ALLEN, Bull. Amer. mus. nat. hist., vii, p. 264. August 21, 1895.

1896. *Lepus grangeri* ALLEN, Bull. Amer. mus. nat. hist., viii, p. 246. November 25, 1896.

TYPE LOCALITY.—Hill City, Black Hills, Custer County, South Dakota.

*** Lepus graysoni** Allen.

1877. *Lepus graysoni* ALLEN, Monogr. N. Amer. rodentia, p. 347. August, 1877.

1885. *Lepus graysoni* TRUE, Proc. U. S. nat. mus., vii (1884), p. 601. 1885.

TYPE LOCALITY.—Tres Marias Islands, State of Jalisco, Mexico; probably Maria Madre Island (see Nelson, North Amer. fauna, no. 14, p. 16, April 29, 1899).

Lepus insolitus Allen.

1890. *Lepus insolitus* ALLEN, Bull. Amer. mus. nat. hist., III, p. 189. December 10, 1890.

TYPE LOCALITY.—Plains of Colima, State of Jalisco, Mexico.

* **Lepus nuttallii** Bachman.

1837. *Lepus nuttallii* BACHMAN, Journ. acad. nat. sci. Phila., VII, p. 345.

1885. *Lepus sylvaticus nuttalli* TRUE, Proc. U. S. nat. mus., VII (1884), p. 601. 1885. (Part.)

1898. *Lepus nuttalli* THOMAS, Ann. and mag. nat. hist., 7th ser., II, p. 320. October, 1898.

TYPE LOCALITY.—Vicinity of the junction of the Snake and Columbia Rivers, Washington.

Lepus orizabae Merriam.

1893. *Lepus orizabae* MERRIAM, Proc. biol. soc. Washington, VIII, p. 143. December 29, 1893.

TYPE LOCALITY.—Mount Orizaba, State of Puebla, Mexico. Altitude, about 9500 feet.

Lepus veraecrucis Thomas.

1890. *Lepus veraecrucis* THOMAS, Proc. zool. soc. London, p. 74.

TYPE LOCALITY.—Las Vigas, State of Vera Cruz, Mexico.

Subgenus MICROLAGUS Trouessart.

1897. *Microlagus* TROU ESSART, Catal. mamm., pt. III, p. 660. Type.—*Lepus cinerascens* ALLEN.

Regarded by Merriam (Science, n. s., VII, p. 32, January 7, 1898) as identical with *Sylvilagus*.

*** *Lepus bachmani* Waterhouse.**

1838. *Lepus bachmani* WATERHOUSE, Proc. zool. soc. London, vi, p. 103.

1885. *Lepus trowbridgei* TRUE, Proc. U. S. nat. mus., vii (1884), p. 601. 1885.

1898. *Lepus bachmani* THOMAS, Ann. and mag. nat. hist., 7th ser., ii, p. 320. October, 1898.

TYPE LOCALITY. — California.

***Lepus bachmani ubericolor* Miller.**

1899. *Lepus bachmani ubericolor* MILLER, Proc. acad. nat. sci. Phila., p. 383. October 5, 1899.

TYPE LOCALITY. — Beaverton, Washington County, Oregon.

***Lepus cerrosensis* Allen.**

1898. *Lepus cerrosensis* ALLEN, Bull. Amer. mus. nat. hist., x, p. 145. April 12, 1898.

TYPE LOCALITY. — Cerros Island, Lower California, Mexico.

***Lepus cinerascens* Allen.**

1890. *Lepus cinerascens* ALLEN, Bull. Amer. mus. nat. hist., iii, p. 159. October 8, 1890.

TYPE LOCALITY. — San Fernando, Los Angeles County, California.

Regarded by Merriam (Science, n. s., vii, p. 32, January 7, 1898) as probably a form of *L. bachmani*.

***Lepus peninsularis* Allen.**

1898. *Lepus peninsularis* ALLEN, Bull. Amer. mus. nat. hist., x, p. 144. April 12, 1898.

TYPE LOCALITY. — Santa Anita, Lower California, Mexico.

Subgenus BRACHYLAGUS Miller.

1900. *Brachylagus* MILLER, Proc. biol. soc. Washington, xiii, p. 157. June 13, 1900. Type. — *Lepus idahoensis* MERRIAM.

Lepus idahoensis Merriam.

1891. *Lepus idahoensis* MERRIAM, North Amer. fauna, no. 5, p. 76. July 30, 1891.

TYPE LOCALITY.—Pahsimeroi Valley, central Idaho.

Subgenus TAPETI Gray.

1867. *Tapeti* GRAY, Ann. and mag. nat. hist., 3d ser., xx, p. 224. September, 1867. Type.—*Lepus brasiliensis* LINNAEUS (*L. tapeti* PALLAS).

* **Lepus gabbi** (Allen).

1877. *Lepus brasiliensis* var. *gabbi* ALLEN, Monogr. N. Amer. rodentia, p. 349. August, 1877.

1885. *Lepus brasiliensis gabbi* TRUE, Proc. U. S. nat. mus., VII (1884), p. 602. 1885.

1891. *Lepus gabbi* ALLEN, Bull. Amer. mus. nat. hist., III, p. 216. April 17, 1891.

TYPE LOCALITY.—Talamanca, Costa Rica.

Order PINNIPEDIA.

Family OTARIIDAE.

Genus **ZALOPHUS** Gill.

1866. *Zalophus* GILL, Comm. Essex inst., v, p. 7. Type.—*Otaria gillespii* MCBAIN = *Otaria californiana* LESSON.

* **Zalophus californianus** (Lesson).

1828. *Otaria californiana* LESSON, Dict. class. d' hist. nat., XIII, p. 420.

1880. *Zalophus californianus* ALLEN, Monogr. N. Amer. pinnipeds, p. 276.

1885. *Zalophus californianus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 607. 1885.

TYPE LOCALITY. — California.

Genus **EUMETOPIAS** Gill.

1866. *Eumetopias* GILL, Comm. Essex inst., v, p. 7. Type. — "*Otaria californianus*" = *Otaria stelleri* LESSON.

* **Eumetopias stelleri** (Lesson).

1828. *Otaria stelleri* LESSON, Dict. class. d' hist. nat., XIII, p. 420.

1866. *Eumetopias stelleri* GRAY, Ann. and mag. nat. hist., 3d ser., XVIII, p. 233.

1885. *Eumetopias stelleri* TRUE, Proc. U. S. nat. mus., VII (1884), p. 607. 1885.

TYPE LOCALITY. — North Pacific Ocean.

Genus **CALLOTARIA** Palmer.

1892. *Callotaria* PALMER, Proc. biol. soc. Washington, VII, p. 156. July 27, 1892. Type. — *Phoca ursina* LINNAEUS.

According to Jordan and Clark (The fur seals and fur seal islands of the North Pacific Ocean, pt. III, p. 2, November, 1899) this genus should stand as *Callorhinus* Gray (Proc. zool. soc. London, 1859, p. 359).

* **Callotaria alascana** (Jordan and Clark).

1885. *Callorhinus ursinus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 607. 1885.

1899. *Callorhinus alascanus* JORDAN and CLARK, The fur seals and fur seal islands of the North Pacific Ocean, pt. III, p. 2. November, 1899.

TYPE LOCALITY. — Pribilof Islands, Bering Sea.

Genus **ARCTOCEPHALUS** F. Cuvier.

1827. *Arctocephalus* F. CUVIER, Dict. des sci. nat., XXXIX, p. 554. Type. — *Arctocephalus ursinus* F. CUVIER = *Phoca ursina* LINNAEUS.

Arctocephalus townsendi Merriam.

1897. *Arctocephalus townsendi* MERRIAM, Proc. biol. soc. Washington, XI, p. 178. July 1, 1898.

TYPE LOCALITY. — Guadalupe Island, off Lower California, Mexico.

Family **PHOCIDAE**

Genus **PHOCA** Linnaeus.

1758. *Phoca* LINNAEUS, Syst. nat., x ed., I, p. 37. Type. — *Phoca vitulina* LINNAEUS.

Subgenus **HISTRIOPHOCA** Gill.

1873. *Histriophoca* GILL, Amer. nat., VII, p. 179. March, 1873. Type. — *Phoca fasciata* ZIMMERMANN.

* **Phoca fasciata** Zimmermann.

1873. *Phoca fasciata* ZIMMERMANN, Geogr. Gesch., III, p. 277.

1885. *Phoca fasciata* TRUE, Proc. U. S. nat. mus., VII (1884), p. 607. 1885.

TYPE LOCALITY. — Kurile Islands, Japan.

Subgenus *PUSA* Scopoli.

1777. *Pusa* SCOPOLI, Introd. hist. nat., p. 490. Type. — *Phoca foetida* FABRICIUS = *P. hispida* SCHREBER.

* **Phoca hispida** Schreber.

1775. *Phoca hispida* SCHREBER, Säugthiere, III, p. 312.

1885. *Phoca foetida* TRUE, Proc. U. S. nat. mus., VII (1884), p. 607. 1885.

1898. *Phoca hispida* THOMAS, The zoologist, 4th ser., II, pp. 100, 102. March, 1898.

TYPE LOCALITY. — Coasts of Greenland and Labrador.

Subgenus *PAGOPHILUS* Gray.

1844. *Pagophilus* GRAY, Zoology of the Erebus and Terror, p. 3. Type. — *Phoca groenlandica* FABRICIUS.

The name *Pagophila* was used in ornithology by Kaup in 1829 (Skizzirte Entw.-Gesch. u. natürl. Syst. d. europ. Thierw., I, pp. 68, 69, and 196, type, *Larus eburneus* Phipps).

* **Phoca groenlandica** Erxleben.

1777. *Phoca groenlandica* ERXLEBEN, Syst. regni anim., I, p. 588.

1885. *Phoca groenlandica* TRUE, Proc. U. S. nat. mus., VII (1884), p. 607. 1885.

TYPE LOCALITY. — Greenland and Newfoundland.

Subgenus **PHOCA** Linnaeus.

Phoca largha Pallas.

1831. *Phoca largha* PALLAS, Zoog. Rosso-Asiat., i, p. 113.

1896. *Phoca largha* STEJNEGER, Bull. U. S. fish comm., 1896, p. 21.

1899. *Phoca largha* TRUE, The fur seals and fur seal islands of the North Pacific Ocean, pt. III, p. 351. November, 1899.

TYPE LOCALITY. — Kamtschatka.

* **Phoca vitulina** Linnaeus.

1758. *Phoca vitulina* LINNAEUS, Syst. nat., x ed., i, p. 38.

1885. *Phoca vitulina* TRUE, Proc. U. S. nat. mus., VII (1884), p. 607. 1885.

TYPE LOCALITY. — Europe.

Genus **ERIGNATHUS** Gill.

1866. *Erignathus* GILL, Comm. Essex inst., v, p. 9. Type. — *Phoca barbata* ERXLEBEN.

* **Erignathus barbatus** (Erxleben).

1777. [*Phoca*] *barbata* ERXLEBEN, Syst. regni anim., i, p. 590.

1866. *Erignathus barbatus* GILL, Comm. Essex inst., v, p. 12.

1885. *Erignathus barbatus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 607. 1885.

TYPE LOCALITY. — Coasts of Scotland, southern Greenland and Iceland.

Genus **HALICHOERUS** Nilsson.

1820. *Halichoerus* NILSSON, Skand. fauna, i, p. 376. Type. — *Halichoerus griseus* NILSSON = *Phoca grypus* FABRICIUS.

* **Halichoerus grypus** (Fabricius).

1791. *Phoca grypus* FABRICIUS, Skriv. af naturh.-selsk., I, 2, p. 167, pl. XIII, f. 4.

1841. *Halichoerus grypus* NILSSON, Wiegmann's Arch. f. Naturg., VII, bd. I, p. 318.

1885. *Halichoerus grypus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 607. 1885.

TYPE LOCALITY. — Greenland.

Genus **MONACHUS** Fleming.

1822. *Monachus* FLEMING, Phil. zool., II, p. 187. Type. — *Phoca monachus* HERMANN.

* **Monachus tropicalis** (Gray).

1850. *Phoca tropicalis* GRAY, Cat. seals Brit. mus., p. 28.

1866. *Monachus tropicalis* GRAY, Cat. seals and whales Brit. mus., p. 20.

1885. *Monachus tropicalis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 607. 1885.

TYPE LOCALITY. — Jamaica.

Genus **CYSTOPHORA** Nilsson.

1820. *Cystophora* NILSSON, Skand. fauna, I, p. 382. Type. — *Cystophora borealis* NILSSON = *Phoca cristata* ERXLEBEN.

* **Cystophora cristata** (Erxleben).

1777. *Phoca cristata* ERXLEBEN, Syst. regni anim., I, p. 590.

1841. *Cystophora cristata* NILSSON, Wiegmann's Arch. f. Naturg., VII, bd. I, p. 326.

1885. *Cystophora cristata* TRUE, Proc. U. S. nat. mus., VII (1884), p. 608. 1885.

TYPE LOCALITY. — Southern Greenland and Newfoundland.

Genus **MACRORHINUS** F. Cuvier.

1826. *Macrorhinus* F. CUVIER, Dict. des sci. nat., xxxix, p. 552.
Type. — *Phoca proboscidea* PÉRON = *P. leoninus* LINNAEUS.

* **Macrorhinus angustirostris** Gill.

1866. *Macrorhinus angustirostris* GILL, Proc. Chicago acad. sci., I, p. 33.

1885. *Macrorhinus angustirostris* TRUE, Proc. U. S. nat. mus., VII (1884), p. 608. 1885.

TYPE LOCALITY. — Saint Bartholomew's Bay, Lower California, Mexico.

Family **ODOBENIDAE**.

Genus **ODOBENUS** Brisson.

1762. *Odobenus* BRISSON, Regni anim., II ed., p. 30. Type. — *Odobenus* BRISSON = *Phoca rosmarus* LINNAEUS.

According to Trouessart (Catal. mamm., pt. III, p. 453, 1897) the terms applied to genera by Brisson are monomial specific names without status in the Linnaean binomial system of nomenclature. If this view be adopted, the proper name for the present genus is *Rosmarus* SCOPOLI (Introd. hist. nat., p. 490, 1777, type, *Phoca rosmarus* LINNAEUS).

* **Odobenus obesus** (Illiger).

1815. *Trichechus obesus* ILLIGER, Abhandl. k. preuss. Akad. Wissensch. Berlin, p. 64.

1880. *Odobenus obesus* ALLEN, Hist. N. Amer. pinnipeds, p. 147.

1885. *Odobenus obesus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 608. 1885.

TYPE LOCALITY. — Coast of northeastern Asia.

* **Odobenus rosmarus** (Linnaeus).1758. *Phoca rosmarus* LINNAEUS, Syst. nat., x ed., I, p. 38.1859. *O[do]baenus] rosmarus* SUNDEVALL, Öfver. k. vet. akad. förh., Stockholm, 1859, p. 446.1885. *Odo]baenis rosmarus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 608. 1885.

TYPE LOCALITY. — Arctic regions.

Order CARNIVORA.

Family FELIDAE.

Genus **FELIS** Linnaeus.1758. *Felis* LINNAEUS, Syst. nat., x ed., I, p. 41. Type. — *Felis catus* LINNAEUS.* **Felis concolor** Linnaeus.1771. [*Felis*] *concolor* LINNAEUS, Mantissa plantarum, p. 522.1885. *Felis concolor* TRUE, Proc. U. S. nat. mus., VII (1884), p. 610. 1885. (Part.)

TYPE LOCALITY. — Brazil.

Felis coryi Bangs.1896. *Felis concolor floridanus* CORY, Hunting and fishing in Florida, p. 109. (Not *F. floridana* Desmarest, 1820).1899. *Felis coryi* BANGS, Proc. biol. soc. Washington, XIII, p. 15. January 31, 1899.

TYPE LOCALITY. — Wilderness back of Sebastian, Brevard County, Florida.

* **Felis eyra** Desmarest.1820. *Felis eyra* DESMAREST, Mammalogie, I, p. 231.

1885. *Felis eyra* TRUE, Proc. U. S. nat. mus., VII (1884), p. 611. 1885.

TYPE LOCALITY. — Paraguay.

* ***Felis onca*** Linnaeus.

1758. [*Felis*] *onca* LINNAEUS, Syst. nat., x ed., I, p. 42.

1885. *Felis onca* TRUE, Proc. U. S. nat. mus., VII (1884), p. 610. 1885.

TYPE LOCALITY. — Brazil.

Felis oregonensis Rafinesque.

1832. *Felix* (sic) *oregonensis* RAFINESQUE, Atlantic journal, I, p. 62.

1897. *Felis hippolestes olympus* MERRIAM, Proc. biol. soc. Washington, XI, p. 220. July 15, 1897.

1899. *Felis oregonensis* STONE, Science, n. s., IX, p. 35. January 6, 1899.

TYPE LOCALITY. — Northwest coast of the United States (see Stone, Science, n. s., IX, p. 35, January 6, 1899).

Felis oregonensis hippolestes (Merriam).

1897. *Felis hippolestes* MERRIAM, Proc. biol. soc. Washington, XI, p. 219. July 15, 1897.

1899. *Felis oregonensis hippolestes* STONE, Science, n. s., IX, p. 35. January 6, 1899.

TYPE LOCALITY. — Wind River Mountains, Fremont County, Wyoming.

* ***Felis pardalis*** Linnaeus.

1758. [*Felis*] *pardalis* LINNAEUS, Syst. nat., x ed., I, p. 42.

1885. *Felis pardalis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 610. 1885.

TYPE LOCALITY. — Mexico.

* ***Felis tigrina*** Erxleben.

1777. [*Felis*] *tigrina* ERXLEBEN, Syst. regni anim., I, p. 517.

1885. *Felis tigrina* TRUE, Proc. U. S. nat. mus., VII (1884), p. 611. 1885.

TYPE LOCALITY. — South America.

* ***Felis yagouaroundi*** Desmarest.

1820. *Felis yagouaroundi* DESMAREST, Mammalogie, I, p. 230.

1885. *Felis yaguarundi* TRUE, Proc. U. S. nat. mus., VII (1884), p. 611. 1885. (Part.)

TYPE LOCALITY. — Paraguay.

Felis yagouaroundsi tolteca Thomas.

1898. *Felis yaguaroundsi tolteca* THOMAS, Ann. and mag. nat. hist., 7th ser., I, p. 41. January, 1898.

TYPE LOCALITY. — Tatemales, State of Sinaloa, Mexico.

Genus **LYNX** Kerr.

1792. *Lynx* KERR, Anim. kingd., I, systematic catalogue inserted between pages 32 and 33 (description, p. 155). Type. — *Lynx vulgaris* KERR = *Felis lynx* LINNAEUS.

Subgenus **LYNX** Kerr.

* **Lynx canadensis** Kerr.

1792. *Lynx canadensis* KERR, Anim. kingd., I, systematic catalogue inserted between pages 32 and 33 (description, p. 157).

1885. *Lynx borealis canadensis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 611. 1885.

1887. *L[ynx] canadensis* TRUE, Proc. U. S. nat. mus., x, p. 9. TYPE LOCALITY. — Eastern Canada.

Lynx canadensis mollipilosus Stone.

1900. *Lynx canadensis mollipilosus* STONE, Proc. acad. nat. sci. Phila., p. 48. March 24, 1900.

TYPE LOCALITY. — Wainwright Inlet, Point Barrow, Alaska.

Lynx subsolanus Bangs.

1897. *Lynx subsolanus* BANGS, Proc. biol. soc. Washington, XI, p. 49. March 16, 1897.

TYPE LOCALITY. — Codroy, Newfoundland.

Subgenus **CERVARIA** Gray.

1867. *Cervaria* GRAY, Proc. zool. soc. London, p. 276. Type.— *Felis pardina* TEMMINCK.

Lynx baileyi Merriam.

1890. *Lynx baileyi* MERRIAM, North Amer. fauna, no. 3, p. 79. September 11, 1890.

TYPE LOCALITY. — Moccasin Spring, Coconino County, Arizona.

Lynx fasciatus Rafinesque.

1817. *Lynx fasciatus* RAFINESQUE, American monthly magazine, II, p. 46. November, 1817.

1897. *Lynx fasciatus* MERRIAM, Mazama, I, p. 224. October, 1897.

TYPE LOCALITY. — "Northwest coast"; probably near the mouth of the Columbia River.

Lynx fasciatus oculus Bangs.

1899. *Lynx fasciatus oculus* BANGS, Proc. New England zool. club, I, p. 23. March 31, 1899.

TYPE LOCALITY. — Nicasio, Marin County, California.

Lynx fasciatus pallescens Merriam.

1899. *Lynx fasciatus pallescens* MERRIAM, North Amer. fauna, no. 16, p. 104. October 28, 1899.

TYPE LOCALITY. — South side of Mount Adams, near Trout Lake, Skamania County, Washington.

Lynx gigas Bangs.

1897. *Lynx gigas* BANGS, Proc. biol. soc. Washington, XI, p. 50. March 16, 1897.

TYPE LOCALITY. — Fifteen miles back of Bear River, Nova Scotia.

* **Lynx ruffus** (Güldenstaedt).

1776. *Felis ruffa* GÜLDENSTAEDT, Nov. comm. acad. scient. imp. Petrop., XX (1775), p. 484.

1817. *Lynx rufa* RAFINESQUE, American monthly magazine, II, p. 46. November, 1817.

1885. *Lynx rufus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 611. 1885. (Part.)

TYPE LOCALITY. — New York.

Lynx ruffus californicus Mearns.

1897. *Lynx rufus californicus* MEARN'S, Preliminary diagnoses of new mammals of the genera Lynx, Urocyon, Spilogale, and Mephitis, from the Mexican boundary line, p. 2.

January 12, 1897. (Reprint: Proc. U. S. nat. mus., xx, p. 458. December 24, 1897.)

TYPE LOCALITY. — San Diego, San Diego County, California.

Regarded by Merriam (North Amer. fauna, no. 16, p. 104, October 28, 1899) as a distinct species.

Lynx ruffus eremicus Mearns.

1897. *Lynx ruffus eremicus* MEARN'S, Preliminary diagnoses of new mammals of the genera Lynx, Urocyon, Spilogale, and Mephitis, from the Mexican boundary line, p. 1. January 12, 1897. (Reprint: Proc. U. S. nat. mus., xx, p. 457. December 24, 1897.)

TYPE LOCALITY. — New River, near Laguna Station, Colorado Desert, San Diego County, California.

Lynx ruffus floridanus (Rafinesque).

1817. *Lynx floridanus* RAFINESQUE, American monthly magazine, II, p. 46. November, 1817.

1857. *Lynx ruffus* var. *floridanus* BAIRD, Mamm. N. Amer., p. 91.

1893. [*Lynx ruffus floridanus*] ALLEN, Bull. Amer. mus. nat. hist., v, p. 32. March 16, 1893.

TYPE LOCALITY. — Florida.

Lynx ruffus peninsularis Thomas.

1898. *Lynx ruffus peninsularis* THOMAS, Ann. and mag. nat. hist., 7th ser., I, p. 42. January, 1898.

TYPE LOCALITY. — Santa Anita, Lower California, Mexico.

* **Lynx ruffus texensis** (Allen).

1885. *Lynx maculatus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 611. 1885.

1890. *Lynx texensis* ALLEN, Bull. Amer. mus. nat. hist., VII, p. 188. June 20, 1895.

1897. *Lynx ruffus texensis* MEARN'S, Preliminary diagnoses of new mammals of the genera Lynx, Urocyon, Spilogale, and Mephitis, from the Mexican boundary line, p. 2. January 12, 1897. (Reprint: Proc. U. S. nat. mus., xx, p. 458. December 24, 1897.)

TYPE LOCALITY. — "Mexico."

Family **CANIDAE**.

Genus **UROCYON** Baird.

1857. *Urocyon* BAIRD, Mamm. N. Amer., p. 121. Type. — *Canis virginianus* ERXLEBEN(= *Canis cinereoargenteus* SCHREBER).

Urocyon californicus (Mearns).

1897. *Urocyon cinereoargenteus californicus* MEARNs, Preliminary diagnoses of new mammals of the genera Lynx, Urocyon, Spilogale, and Mephitis, from the Mexican boundary line, p. 3. January 12, 1897. (Reprint: Proc. U. S. nat. mus., xx, p. 459. December 24, 1897.)

1899. *U[rocyon] californicus* MERRIAM, North Amer. fauna, no. 16, p. 103. October 28, 1899.

TYPE LOCALITY. — San Jacinto Mountains, Riverside County, California. Altitude, 8000 feet.

Urocyon californicus townsendi Merriam.

1899. *Urocyon californicus townsendi* MERRIAM, North Amer. fauna, no. 16, p. 103. October 28, 1899.

TYPE LOCALITY. — Baird, Shasta County, California.

* **Urocyon cinereoargenteus** (Schreber).

1775. *Canis cinereoargenteus* SCHREBER, Säugthiere, III, pl. XCII.

1885. *Urocyon virginianus virginianus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 610. 1885. (Part.)

1894. *Urocyon cinereoargenteus* RHOADS, Amer. nat., XXVIII, p. 524. June, 1894.

TYPE LOCALITY. — Eastern North America.

Urocyon cinereoargenteus floridanus Rhoads.

1895. *Urocyon cinereoargenteus floridanus* RHOADS, Proc. acad. nat. sci. Phila., p. 42. April 9, 1895.

TYPE LOCALITY. — Tarpon Springs, Hillsboro County, Florida.

Urocyon cinereoargenteus fraterculus Elliot.

1896. *Urocyon cinereoargentatus* (sic) *fraterculus* ELLIOT,

Field Columbian mus., publication 11, zool. ser., 1, p. 80.
May, 1896.

TYPE LOCALITY. — San Felipe, Yucatan.

Regarded by Miller (Proc. acad. nat. sci. Phila., 1899, p. 276,
July 26, 1899) as a distinct species.

***Urocyon cinereoargenteus ocythous* Bangs.**

1899. *Urocyon cinereoargenteus ocythous* BANGS, Proc. New
England zool. club, 1, p. 43. June 5, 1899.

TYPE LOCALITY. — Platteville, Grant County, Wisconsin.

***Urocyon cinereoargenteus scottii* (Mearns).**

1891. *Urocyon virginianus scottii* MEARNs, Bull. Amer. mus.
nat. hist., III, p. 236. June 5, 1891.

1895. *Urocyon cinereoargenteus scottii* ALLEN, Bull. Amer.
mus. nat. hist., VII, p. 253. June 29, 1895.

TYPE LOCALITY. — Pinal County, Arizona.

***Urocyon cinereoargenteus texensis* Mearns.**

1897. *Urocyon cinereoargenteus texensis* MEARNs, Preliminary
diagnoses of new mammals of the genera Lynx, Urocyon,
Spilogale, and Mephitis, from the Mexican boundary line,
p. 2. January 12, 1897. (Reprint: Proc. U. S. nat. mus.,
XX, p. 459. December 24, 1897.)

TYPE LOCALITY. — San Pedro, near Eagle Pass, Maverick
County, Texas.

***Urocyon guatemalae* Miller.**

1899. *Urocyon guatemalae* MILLER, Proc. acad. nat. sci. Phila.,
p. 278. July 26, 1899.

TYPE LOCALITY. — Nenton, Guatemala.

* ***Urocyon littoralis* (Baird).**

1857. *Vulpes (Urocyon) littoralis* BAIRD, Mamm. N. Amer., p.
143.

1885. *Urocyon virginianus littoralis* TRUE, Proc. U. S. nat.
mus., VII (1884), p. 610. 1885.

1888. *Urocyon littoralis* MERRIAM, Proc. biol. soc. Washing-
ton, IV, p. 135. February 18, 1888.

TYPE LOCALITY. — San Miguel Island, Santa Barbara Islands,
Santa Barbara County, California.

Urocyon parvidens Miller.

1899. *Urocyon parvidens* MILLER, Proc. acad. nat. sci. Phila., p. 276. July 26, 1899.

TYPE LOCALITY. — Merida, Yucatan.

Genus **VULPES** Brisson.¹

1762. *Vulpes* BRISSON, Regn. anim., II ed., p. 173. Type. — *Vulpes* BRISSON = *Canis vulpes* LINNAEUS.

According to Trouessart (Catal. mamm., pt. III, p. 453, 1897) the terms applied to genera by Brisson are monomial specific names without status in the Linnaean binomial system of nomenclature. If this view be adopted the generic name *Vulpes* was first used by Richardson (Fauna Boreali-Americana, I, p. 83, 1829, type, *Canis vulpes* Linnaeus).

* **Vulpes fulvus** (Desmarest).

1820. *Canis fulvus* DESMAREST, Mammalogie, I, p. 203.

1842. *Vulpes fulvus* DE KAY, Zool. of New York, mamm., p. 44.

1885. *Vulpes fulvus fulvus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 610. 1885. (Part.)

1894. *Vulpes pennsylvanicus* RHOADS, Amer. nat., XXVIII, p. 524. June, 1894.

1899. *Vulpes fulvus* MILLER, Bull. N. Y. State mus., VI, p. 342. November 18, 1899.

TYPE LOCALITY. — Virginia.

* **Vulpes macrourus** Baird.

1852. *Vulpes macrourus* BAIRD, Stansbury's expl. Great Salt Lake, p. 309. June, 1852.

1885. *Vulpes macrurus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 610. 1885.

TYPE LOCALITY. — Wasatch Mountains bordering Great Salt Lake, Utah.

¹ American red foxes revised by Merriam, Proc. Washington acad. sci., II, pp. 661-676. December 28, 1900.

Vulpes necator Merriam.

1900. *Vulpes necator* MERRIAM, Proc. Washington acad. sci., II, p. 664. December 28, 1900.

TYPE LOCALITY. — Whitney Meadows, near Mount Whitney, High Sierra, Tulare County, California. Altitude, 9500 feet.

Vulpes cascadenis Merriam.

1900. *Vulpes cascadenis* MERRIAM, Proc. Washington acad. sci., II, p. 665. December 28, 1900.

TYPE LOCALITY. — Trout Lake, south base of Mount Adams, Cascade Mountains, Skamania County, Washington.

Vulpes rubricosa (Bangs).

1897. *Vulpes pennsylvanica vafra* BANGS, Proc. biol. soc. Washington, XI, p. 53. March 16, 1897 (not *Vulpes vafra* Leidy, 1869).

1898. *Vulpes pennsylvanica rubricosa* BANGS, Science, n. s., VII, p. 272. February 25, 1898.

1900. *Vulpes rubricosa* MERRIAM, Proc. Washington acad. sci., II, p. 666. December 28, 1900.

TYPE LOCALITY. — Digby, Nova Scotia, Canada.

Vulpes rubricosa bangsi Merriam.

1900. *Vulpes rubricosa bangsi* MERRIAM, Proc. Washington acad. sci., II, p. 667. December 28, 1900.

TYPE LOCALITY. — Lance au Loup, Strait of Belle Isle, Labrador.

Vulpes deletrix Bangs.

1898. *Vulpes deletrix* BANGS, Proc. biol. soc. Washington, XII, p. 36. March 24, 1898.

TYPE LOCALITY. — Bay St. George, Newfoundland.

Vulpes alascensis Merriam.

1900. *Vulpes alascensis* MERRIAM, Proc. Washington acad. sci., II, p. 668. December 28, 1900.

TYPE LOCALITY. — Andreafski, near mouth of Yukon River, Alaska.

Vulpes alascensis abietorum Merriam.

1900. *Vulpes alascensis abietorum* MERRIAM, Proc. Washington acad. sci., II, p. 669. December 28, 1900.

TYPE LOCALITY. — Stuart Lake, British Columbia, Canada.

Vulpes kenaiensis Merriam.

1900. *Vulpes kenaiensis* MERRIAM, Proc. Washington acad. sci., II, p. 670. December 28, 1900.

TYPE LOCALITY. — Kenai Peninsula, Alaska.

Vulpes harrimani Merriam.

1900. *Vulpes harrimani* MERRIAM, Proc. Washington acad. sci., II, p. 14. March 14, 1900.

TYPE LOCALITY. — Kadiak Island, Alaska.

Vulpes regalis Merriam.

1900. *Vulpes regalis* MERRIAM, Proc. Washington acad. sci., II, p. 672. December 28, 1900.

TYPE LOCALITY. — Elk River, Sherburn County, Minnesota.

Vulpes hallensis Merriam.

1900. *Vulpes hallensis* MERRIAM, Proc. Washington acad. sci., II, p. 15. March 14, 1900.

TYPE LOCALITY. — Hall Island, Bering Sea, Alaska.

* **Vulpes lagopus** (Linnaeus).

1758. [*Canis*] *lagopus* LINNAEUS, Syst. nat., x ed., I, p. 40.

1854. *Vulpes lagopus* AUDUBON and BACHMAN, Quadr. N. Amer., III, p. 89.

1885. *Vulpes lagopus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 610. 1885.

TYPE LOCALITY. — Lapland.

Vulpes macrotis Merriam.

1888. *Vulpes macrotis* MERRIAM, Proc. biol. soc. Washington, IV, p. 136. February 18, 1888.

TYPE LOCALITY. — Riverside, San Bernardino County, California.

* **Vulpes velox** (Say).

1823. [*Canis*] *velox* SAY, Long's exped. Rocky Mts., I, p. 487.

1851. *Vulpes velox* AUDUBON and BACHMAN, Quadr. N. Amer., II, p. 13.

1885. *Vulpes velox* TRUE, Proc. U. S. nat. mus., VII (1884), p. 610. 1885.

TYPE LOCALITY. — Vicinity of Cherry Creek, Laramie County, Wyoming.

Genus **CANIS** Linnaeus.

1758. *Canis* LINNAEUS, Syst. nat., x ed., I, p. 38. Type.—*Canis familiaris* LINNAEUS.

Canis albus (Sabine).

1823. *Canis lupus albus* SABINE, Franklin's narrative, journ. to Polar Sea, p. 655.

1898. *Canis albus* BANGS, Amer. nat., xxxii, p. 505. July, 1898.

TYPE LOCALITY.—Fort Enterprize, Mackenzie, Canada.

Canis ater (Richardson).

1829. *Canis lupus occidentalis* var. *lupus ater* RICHARDSON, Fauna Boreali-Americana, I, p. 70.

1898. *Canis ater* BANGS, Proc. Boston soc. nat. hist., xxviii, p. 233. March, 1898.

TYPE LOCALITY.—North America. The name restricted by Bangs to the Florida wolf.

* **Canis griseus** (Sabine).

1823. *Canis lupus griseus* SABINE, Franklin's narrative, journ. to Polar Sea, p. 654. (Not of BODDAERT, 1784.)

1885. *Canis lupus griseo-albus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 610. 1885. (Part.)

1897. *Canis griseus* MERRIAM, Mazama, I, p. 224. October, 1897.

TYPE LOCALITY.—Cumberland House, Saskatchewan, Canada.

Canis mexicanus Linnaeus.

1766. [*Canis*] *mexicanus* LINNAEUS, Syst. nat., XII ed., I, p. 60.

1894. *Canis mexicanus* RHOADS, Amer. nat., xxviii, p. 524. June, 1894.

TYPE LOCALITY.—Mexico.

Canis mexicanus nubilus (Say).

1823. *Canis nubilus* SAY, Long's exped. Rocky Mts., I, p. 169.

1894. *Canis mexicanus nubilus* RHOADS, Amer. nat., xxviii, p. 524. June, 1894.

TYPE LOCALITY.—Vicinity of Council Bluffs, Pottawattamie County, Iowa.

* **Canis latrans** Say.¹

1823. *Canis latrans* SAY, Long's exped. Rocky Mts., I, p. 168.

1885. *Canis latrans* TRUE, Proc. U. S. nat. mus., VII (1884), p. 610. 1885. (Part.)

TYPE LOCALITY.—Vicinity of Council Bluffs, Pottawattamie County, Iowa.

Canis nebracensis Merriam.

1897. *Canis pallidus* MERRIAM, Proc. biol. soc. Washington, XI, p. 24. March 15, 1897. (Not of Rüppell, 1826.)

1898. *Canis nebracensis* MERRIAM, Science, n. s., VIII, p. 782. December 2, 1898.

TYPE LOCALITY.—Johnstown, Brown County, Nebraska.

Canis lestes Merriam.

1897. *Canis lestes* MERRIAM, Proc. biol. soc. Washington, XI, p. 25. March 15, 1897.

TYPE LOCALITY.—Toyabe Mountains, near Cloverdale, Nye County, Nevada.

Canis frustror Woodhouse.

1851. *Canis frustror* WOODHOUSE, Proc. acad. nat. sci. Phila., v, p. 147.

1897. *Canis frustror* MERRIAM, Proc. biol. soc. Washington, XI, p. 26. March 15, 1897.

TYPE LOCALITY.—Fort Gibson, at junction of the Neosho River with the Arkansas, Indian Territory.

Canis cagottis (Hamilton Smith).

1839. *Lyciscus cagottis* HAMILTON SMITH, Jardine's nat. library, XVIII (mammalia: dogs), p. 164.

1897. *Canis cagottis* MERRIAM, Proc. biol. soc. Washington, XI, p. 27. March 15, 1897.

TYPE LOCALITY.—Rio Frio, between City of Mexico and Puebla, Mexico.

¹ The coyotes, the remaining species of the genus, have been revised by Merriam, Proc. biol. soc. Washington, XI, pp. 19-33. March 15, 1897.

Canis peninsulae Merriam.

1897. *Canis peninsulae* MERRIAM, Proc. biol. soc. Washington, XI, p. 28. March 15, 1897.

TYPE LOCALITY. — Santa Anita, Cape St. Lucas, Lower California, Mexico.

Canis microdon Merriam.

1897. *Canis microdon* MERRIAM, Proc. biol. soc. Washington, XI, p. 29. March 15, 1897.

TYPE LOCALITY. — Mier, on the Rio Grande, State of Tamaulipas, Mexico.

Canis mearnsi Merriam.

1897. *Canis mearnsi* MERRIAM, Proc. biol. soc. Washington, XI, p. 30. March 15, 1897.

TYPE LOCALITY. — Quitobaquita, Pima County, Arizona.

Canis estor Merriam.

1897. *Canis estor* MERRIAM, Proc. biol. soc. Washington, XI, p. 31. March 15, 1897.

TYPE LOCALITY. — Noland's Ranch, San Juan River, San Juan County, Utah.

Canis ochropus Eschscholtz.

1829. *Canis ochropus* ESCHSCHOLTZ, Zool. atlas, III, pp. 1-2.

1897. *Canis ochropus* MERRIAM, Proc. biol. soc. Washington, XI, p. 32. March 15, 1897.

TYPE LOCALITY. — California; specimens from Tracy, San Joaquin County, assumed to be typical (see Merriam, Proc. biol. soc. Washington, XI, p. 32, March 15, 1897).

Canis vigilis Merriam.

1897. *Canis vigilis* MERRIAM, Proc. biol. soc. Washington, XI, p. 33. March 15, 1897.

TYPE LOCALITY. — Manzanillo, State of Colima, Mexico.

Family **MUSTELIDAE**.

Subfamily **LUTRINAE**.

Genus **LATAX** Gloger.

1827. *Latax* GLOGER, Nova acta phys. med. acad. caes. Leop.-Carol., XIII, pt. II, p. 511. Type. — *Lutra marina* ERXLEBEN = *Mustela lutris* LINNAEUS.

* **Latax lutris** (Linnaeus).

1758. [*Mustela*] *lutris* LINNAEUS, Syst. nat., x ed., I, p. 45.

1885. *Enhydris lutris* TRUE, Proc. U. S. nat. mus., VII (1884), p. 609. 1885.

1885. *Latax lutris* STEJNEGER, Deutsch. geograph. blätter, VIII, p. 253.

TYPE LOCALITY. — Coasts of Bering Sea.

Genus **LUTRA** Brisson.

1762. *Lutra* BRISSON, Regn. anim., II ed., p. 201. Type. — *Lutra* BRISSON = *Mustela lutra* LINNAEUS.

According to Trouessart (Catal. mamm., pt. III, p. 453, 1897) the terms applied to genera by Brisson are monomial specific names without status in the Linnaean binomial system of nomenclature. If this view be adopted the generic name *Lutra* was first used by Erxleben (Syst. regni anim., I, p. 445, 1777, type *Lutra vulgaris* Erxleben = *Mustela lutra* Linnaeus).

* **Lutra annectens** Major.

1885. *Lutra felina* and *Lutra brasiliensis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 609. 1885.

1897. *Lutra annectens* MAJOR, Zool. anzeiger, xx, p. 142.
April 26, 1897. Ann. and mag. nat. hist., 6th ser., xix, p.
618. June, 1897.

TYPE LOCALITY. — Terro Tepic, Rio de Tepic, State of Jalisco,
Mexico.

* ***Lutra canadensis*** (Schreber).¹

1776. *Mustela lutra canadensis* SCHREBER, Säugthiere, pl.
CXXVI B.

1823. *Lutra canadensis* SABINE, Franklin's narrative, journ.
to Polar Sea, p. 653.

1885. *Lutra canadensis* TRUE, Proc. U. S. nat. mus., VII
(1884), p. 609. 1885.

1898. *Lutra hudsonica* RHOADS, Trans. Amer. philos. soc.,
n. s., xix, p. 424. September, 1898.

1898. *Lutra canadensis* ALLEN, Bull. Amer. mus. nat. hist.,
x, p. 460. November 10, 1898.

TYPE LOCALITY. — Eastern Canada.

Lutra canadensis lataxina (F. Cuvier).

1823. *Lutra lataxina* F. CUVIER, Dict. des sci. nat., xxvii,
p. 242.

1898. *Lutra hudsonica lataxina* RHOADS, Trans. Amer.
philos. soc., n. s., xix, p. 427. September, 1898.

1898. *Lutra canadensis lataxina* ALLEN, Bull. Amer. mus.
nat. hist., x, p. 460. November 10, 1898.

TYPE LOCALITY. — South Carolina.

Lutra canadensis vaga (Bangs).

1898. *Lutra hudsonica vaga* BANGS, Proc. Boston soc. nat.
hist., xxviii, p. 224. March, 1898.

1898. *Lutra canadensis vaga* ALLEN, Bull. Amer. mus. nat.
hist., x, p. 460. November 10, 1898.

TYPE LOCALITY. — Micco, Brevard County, Florida.

Lutra canadensis pacifica (Rhoads).

1898. *Lutra hudsonica pacifica* RHOADS, Trans. Amer. philos.
soc., n. s., xix, p. 429. September, 1898.

1898. *Lutra canadensis pacifica* ALLEN, Bull. Amer. mus. nat.
hist., x, p. 460. November 10, 1898.

¹ North American otters revised by Rhoads, Trans. Amer. philos. soc., n. s., xix, pp.
417-439. September, 1898.

TYPE LOCALITY. — Lake Kichelos, Kittitas County, Washington. Altitude, 8000 feet.

Lutra canadensis sonora (Rhoads).

1898. *Lutra hudsonica sonora* RHOADS, Trans. Amer. philos. soc., n. s., XIX, p. 431. September, 1898.

1898. *Lutra canadensis sonora* ALLEN, Bull. Amer. mus. nat. hist., x, p. 460. November 10, 1898.

TYPE LOCALITY. — Montezuma Well, Beaver Creek, Yavapai County, Arizona.

Lutra degener Bangs.

1898. *Lutra degener* BANGS, Proc. biol. soc. Washington, XII, p. 35. March 24, 1898.

TYPE LOCALITY. — Bay St. George, Newfoundland.

Subfamily MELINAE.

Genus **MEPHITIS** Cuvier.

1800. *Mephitis* CUVIER, Leçons d'anat. comp., I, [tabl. 1] (described but not named in 1798, Tabl. élém. de l'hist. nat. des anim., p. 116). Type. — Genus based on "Les Moufettes."

Mephitis avia Bangs.

1898. *Mephitis avia* BANGS, Proc. biol. soc. Washington, XII, p. 32. March 24, 1898.

TYPE LOCALITY. — San Jose, Mason County, Illinois.

Mephitis elongata (Bangs).

1895. *Mephitis mephitica elongata* BANGS, Proc. Boston soc. nat. hist., XXVI, p. 531. July 31, 1895.

1896. *Mephitis elongata* BANGS, Proc. biol. soc. Washington, x, p. 142. December 28, 1896.

TYPE LOCALITY. — Micco, Brevard County, Florida.

Mephitis estor Merriam.

1890. *Mephitis estor* MERRIAM, North Amer. fauna, no. 3, p. 81. September 11, 1890.

TYPE LOCALITY. — San Francisco Mountain, Coconino County, Arizona.

Mephitis foetulenta Elliot.

1899. *Mephitis foetulenta* ELLIOT, Field Columbian mus., publication 32, zool. ser., i, p. 269. March, 1899.

TYPE LOCALITY. — Lagune, near Port Angeles, Clallam County, Washington.

Mephitis hudsonica (Richardson).

1829. *Mephitis americana* var. *hudsonica* RICHARDSON, Fauna Boreali-Americana, i, p. 55.

1895. *Mephitis hudsonica* BANGS, Proc. Boston soc. nat. hist., xxvi, p. 534. July 31, 1895.

TYPE LOCALITY. — Plains of the Saskatchewan (see Bangs, Proc. Boston soc. nat. hist., xxvi, p. 536, July 31, 1895).

*** Mephitis macroura** Lichtenstein.

1834. *Mephitis macroura* LICHTENSTEIN, Darstellung neuer oder wenig bekannter Säugethiere, pl. 46.

1885. *Mephitis macrurus* TRUE, Proc. U. S. nat. mus., vii (1884), p. 609. 1885.

TYPE LOCALITY. — Northwestern Mexico.

*** Mephitis mephitica** (Shaw).

1792. *Viverra mephitica* SHAW, Museum Leverianum, p. 171.

1857. *Mephitis mephitica* BAIRD, Mamm. N. Amer., p. 195.

1885. *Mephitis mephitica* TRUE, Proc. U. S. nat. mus., vii (1884), p. 609. 1885.

TYPE LOCALITY. — North America. Name restricted by Bangs (Proc. Bost. soc. nat. hist., xxvi, pp. 530-533, July 31, 1895) to the northern form of the eastern skunk.

Mephitis mephitica scrutator Bangs.

1896. *Mephitis mephitica scrutator* BANGS, Proc. biol. soc. Washington, x, p. 141. December 28, 1896.

TYPE LOCALITY. — Cartville, Acadia Parish, Louisiana.

Mephitis milleri Mearns.

1897. *Mephitis milleri* MEARN'S, Preliminary diagnoses of new mammals of the genera Mephitis, Dorcelaphus, and Dicotyles, from the Mexican boundary of the United States, p. 1. February 11, 1897. (Reprint: Proc. U. S. nat. mus., xx, p. 467. December 24, 1897.)

TYPE LOCALITY. — Fort Lowell, near Tucson, Pima County, Arizona.

Mephitis occidentalis Baird.

1857. *Mephitis occidentalis* BAIRD, Mamm. N. Amer., p. 194.

1897. *Mephitis occidentalis* MEARN'S, Preliminary diagnoses of new mammals of the genera Lynx, Urocyon, Spilogale, and Mephitis, from the Mexican boundary line, p. 5. January 12, 1897. (Reprint: Proc. U. S. nat. mus., xx, p. 461. December 24, 1897.)

TYPE LOCALITY. — Petaluma, Sonoma County, California.

Mephitis occidentalis holzneri Mearns.

1897. *Mephitis occidentalis holzneri* MEARN'S, Preliminary diagnoses of new mammals of the genera Lynx, Urocyon, Spilogale, and Mephitis, from the Mexican boundary line, p. 4. January 12, 1897. (Reprint: Proc. U. S. nat. mus., xx, p. 461. December 24, 1897.)

TYPE LOCALITY. — San Isidro Ranch, Lower California, Mexico, near border of San Diego County, California.

Mephitis spissigrada Bangs.

1898. *Mephitis spissigrada* BANGS, Proc. biol. soc. Washington, XII, p. 31. March 24, 1898.

TYPE LOCALITY. — Sumas, British Columbia, Canada.

Genus **SPILOGALE** Gray.¹

1865. *Spilogale* GRAY, Proc. zool. soc. London, p. 150. Type. — *Mephitis interrupta* RAFINESQUE.

¹A revision of this genus was published by Merriam in 1890 (North Amer. fauna, no. 4, pp. 1-15, October 8, 1890), but so many forms have since then been described that the species are here arranged alphabetically.

***Spilogale ambarvalis** Bangs.

1885. *Mephitis putorius* TRUE, Proc. U. S. nat. mus., VII (1884), p. 609. 1885. (Part.)

1898. *Spilogale ambarvalis* BANGS, Proc. Boston soc. nat. hist., XXVIII, p. 222. March, 1898.

TYPE LOCALITY.—Oak Lodge, East Peninsula, opposite Micco, Brevard County, Florida.

Spilogale ambigua Mearns.

1897. *Spilogale ambigua* MEARNS, Preliminary diagnoses of new mammals of the genera Lynx, Urocyon, Spilogale, and Mephitis, from the Mexican boundary line, p. 3. January 12, 1897. (Reprint: Proc. U. S. nat. mus., xx, p. 460. December 24, 1897.)

TYPE LOCALITY.—Eagle Mountain, State of Chihuahua, Mexico, about four miles south of border of Donna Ana County, New Mexico.

Spilogale gracilis Merriam.

1890. *Spilogale gracilis* MERRIAM, North Amer. fauna, no. 3, p. 83. September 11, 1890.

TYPE LOCALITY.—Grand Canyon of the Colorado, north of San Francisco Mountain, Coconino County, Arizona.

Spilogale indianola Merriam.

1890. *Spilogale indianola* MERRIAM, North Amer. fauna, no. 4, p. 10. October 8, 1890.

TYPE LOCALITY.—Indianola, Matagorda Bay, Matagorda County, Texas.

Spilogale interrupta (Rafinesque).

1820. *Mephitis interrupta* RAFINESQUE, Annals of nature, 1, p. 3.

1890. *Spilogale interrupta* MERRIAM, North Amer. fauna, no. 4, p. 8. October 8, 1890.

TYPE LOCALITY.—Upper Missouri (see Lichtenstein, Abhandl. k. preuss. Akad. Wissensch. Berlin, 1836, p. 281, 1838).

Spilogale leucoparia Merriam.

1890. *Spilogale leucoparia* MERRIAM, North Amer. fauna, no. 4, p. 11. October 8, 1890.

TYPE LOCALITY.—Mason, Mason County, Texas.

Spilogale lucasana Merriam.

1890. *Spilogale lucasana* MERRIAM, North Amer. fauna, no. 4, p. 11. October 8, 1890.

TYPE LOCALITY.—Cape St. Lucas, Lower California, Mexico.

Spilogale olympica Elliot.

1899. *Spilogale olympica* ELLIOT, Field Columbian mus. publication 32, zool. ser., I, p. 270. March, 1899.

TYPE LOCALITY.—Lake Southerland, Olympic Mountains, Clallam County, Washington.

Spilogale phenax Merriam.

1890. *Spilogale phenax* MERRIAM, North Amer. fauna, no. 4, p. 13. October 8, 1890.

TYPE LOCALITY.—Nicasio, Marin County, California.

Spilogale phenax arizonae Mearns.

1891. *Spilogale phenax arizonae* MEARNS, Bull. Amer. mus. nat. hist., III, p. 256. June 5, 1891.

TYPE LOCALITY.—Fort Verde, Yavapai County, Arizona.

Spilogale phenax latifrons Merriam.

1890. *Spilogale phenax latifrons* MERRIAM, North Amer. fauna, no. 4, p. 15. October 8, 1890.

TYPE LOCALITY.—Roseburg, Douglas County, Oregon.

Spilogale pygmaea Thomas.

1898. *Spilogale pygmaea* THOMAS, Proc. zool. soc. London, 1897, p. 898. April 1, 1898.

TYPE LOCALITY.—Rosario, State of Sinaloa, Mexico.

Spilogale ringens Merriam.

1890. *Spilogale ringens* MERRIAM, North Amer. fauna, no. 4, p. 9. October 8, 1890.

TYPE LOCALITY.—Greensborough, Hale County, Alabama.

Spilogale saxatilis Merriam.

1890. *Spilogale saxatilis* MERRIAM, North Amer. fauna, no. 4, p. 13. October 8, 1890.

TYPE LOCALITY.—Provo, Utah County, Utah.

Genus **CONEPATUS** Gray.

1837. *Conepatus* GRAY, Charlesworth's mag. nat. hist., I, p. 581. November, 1837. Type. — *Conepatus humboldtii* GRAY.

* **Conepatus mapurito** (Gmelin).

1788. [*Viverra*] *mapurito* GMELIN, Syst. nat., I, p. 88.

1875. *Conepatus mapurito* COUES, Bull. U. S. geol. and geog. surv. terr., 2d ser., I, p. 14.

1885. *Conepatus mapurito* TRUE, Proc. U. S. nat. mus., VII (1884), p. 609. 1885.

TYPE LOCALITY. — Vicinity of Pamplona, State of Santander, Colombia.

Genus **TAXIDEA** Storr.

1780. *Taxidea* STORR, Prodr. meth. mamm., p. 34. Type. — *Ursus taxus* SCHREBER.

* **Taxidea taxus** (Schreber).

1778. *Ursus taxus* SCHREBER, Säugthiere, III, p. 520.

1885. *Taxidea americana americana* TRUE, Proc. U. S. nat. mus., VII (1884), p. 609. 1885.

1894. *Taxidea taxus* RHOADS, Amer. nat., XXVIII, p. 524. June, 1894.

TYPE LOCALITY. — Labrador and Hudson Bay.

* **Taxidea taxus berlandieri** (Baird).

1857. *Taxidea berlandieri* BAIRD, Mamm. N. Amer., p. 205.

1885. *Taxidea americana berlandieri* TRUE, Proc. U. S. nat. mus., VII (1884), p. 609. 1885.

1895. *Taxidea taxus berlandieri* ALLEN, Bull. Amer. mus. nat. hist., VII, p. 256. June 29, 1895.

TYPE LOCALITY. — Llano Estacado, Texas, near border of New Mexico.

Taxidea taxus infusca Thomas.

1898. *Taxidea taxus infusca* THOMAS, Proc. zool. soc. London, 1897, p. 899. April 1, 1898.

TYPE LOCALITY. — Santa Anita, Lower California, Mexico.

Taxidea taxus neglecta (Mearns).

1891. *Taxidea americana neglecta* MEARN'S, Bull. Amer. mus. nat. hist., III, p. 250. June 5, 1891.

TYPE LOCALITY. — Fort Crook, Shasta County, California.

Subfamily MUSTELINAE.

Genus **GULO** Storr.

1780. *Gulo* STORR, Prodr. meth. mamm., p. 34. Type.—*Ursus gulo* LINNAEUS.

* **Gulo luscus** (Linnaeus).

1766. [*Ursus*] *luscus* LINNAEUS, Syst. nat., XII ed., I, p. 71.

1823. *Gulo luscus* SABINE, Franklin's narrative, Journ. to Polar Sea, p. 650.

1885. *Gulo luscus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 609. 1885.

TYPE LOCALITY. — Hudson Bay.

Genus **GALICTIS** Bell.

1837. *Galictis* BELL, Proc. zool. soc. London, p. 45. Included *Galictis vittata* and *allamandi*.

Subgenus GALICTIS Bell.

Galictis allamandi Bell.

1837. *Galictis allamandi* BELL, Proc. zool. soc. London, p. 47.

1885. *Galictis* (*Grisonia*) *crassidens* NEHRING, Sitzungsber. der Gesellsch. naturforsch. Freunde zu Berlin, p. 167. (Minas-Geraes, Brazil.)

1887. *Galictis crassidens* NEHRING, Zool. garten, xxviii, p. 254. (Guatemala.)

1897. [*Galictis*] *allamandi* TROUESSART, Catal. mamm., pt. II, p. 264.

TYPE LOCALITY. — Unknown.

Subgenus GALERA Gray.

1843. *Galera* GRAY, List spec. mamm. Brit. mus., p. 67.

Type. — *Mustela barbara* LINNAEUS.

Regarded by Nehring (Sitzungsber. der Gesellsch. naturforsch. Freunde zu Berlin, 1885, p. 169) as a distinct genus.

Galictis barbara biologiae Thomas.

1900. *Galictis barbara biologiae* THOMAS, Ann. and mag. nat. hist., 7th ser., v, p. 146. January, 1900.

TYPE LOCALITY. — Calovevora, Veragua, Panama.

* **Galictis barbara senex** Thomas.

1885. *Galictis barbara* TRUE, Proc. U. S. nat. mus., VII (1884), p. 609. 1885. (Part.)

1900. *Galictis barbara senex* THOMAS, Ann. and mag. nat. hist., 7th ser., v, p. 146. January, 1900.

TYPE LOCALITY. — Hacienda Tortugas, Jalapa, State of Vera Cruz, Mexico. Altitude, about 600 feet.

Genus **PUTORIUS** Cuvier.

1817. *Putorius* CUVIER, Règne animal, i, p. 147. Type. — *Mustela putorius* LINNAEUS.

Subgenus **LUTREOLA** Wagner.

1841. *Lutreola* WAGNER, Schreber's Säugethiere, Suppl. II, p. 239. Type. — *Mustela lutreola* LINNAEUS.

Recognized as a genus by Merriam, North Amer. fauna, no. 11, p. 7, June 30, 1897, and Mazama, I, no. 2, p. 227, October, 1897. The combination *Lutreola vison energumenos* occurs in the latter paper (p. 227).

Putorius lutensis Bangs.

1898. *Putorius (Lutreola) lutensis* BANGS, Proc. Boston soc. nat. hist., xxviii, p. 229. March, 1898.

TYPE LOCALITY. — Salt marsh off Matanzas Inlet, St. John County, Florida.

* **Putorius vison** (Schreber).

1778. *Mustela vison* SCHREBER, Säugethiere, III, p. 463.

1830. *Putorius vison* GAPPER, Zool. journ., v, p. 202.

1885. *Putorius vison* TRUE, Proc. U. S. nat. mus., VII (1884), p. 609. 1885. (Part.)

TYPE LOCALITY. — Eastern Canada.

Putorius vison energumenos Bangs.

1896. *Putorius vison energumenos* BANGS, Proc. Boston soc. nat. hist., xxvii, p. 5. March, 1896.

TYPE LOCALITY. — Sumas, British Columbia, Canada.

Putorius vison ingens (Osgood).

1900. *Lutreola vison ingens* OSGOOD, North Amer. fauna, no. 19, p. 42. October 6, 1900.

TYPE LOCALITY. — Fort Yukon, Alaska.

Putorius vison lutrecephalus (Harlan).

1825. *Mustela lutrecephala* HARLAN, Fauna Americana, p. 63.

1896. *Putorius vison lutrecephalus* BANGS, Proc. Boston soc. nat. hist., XXVII, p. 4. March, 1896.

TYPE LOCALITY. — Maryland.

***Putorius vison vulgivagus* (Bangs).**

1895. *Putorius (Lutreola) vulgivagus* BANGS, Proc. Boston soc. nat. hist., XXVI, p. 539. July 31, 1895.

1896. *Putorius vison vulgivagus* BANGS, Proc. Boston soc. nat. hist., XXVII, p. 5. March, 1896.

TYPE LOCALITY. — Burbridge, Plaquemines Parish, Louisiana.

Subgenus *PUTORIUS* Cuvier.¹

* ***Putorius nigripes* Audubon and Bachman.**

1851. *Putorius nigripes* AUDUBON and BACHMAN, Quadr. N. Amer., II, p. 297.

1885. *Putorius nigripes* TRUE, Proc. U. S. nat. mus., VII (1884), p. 609. 1885.

TYPE LOCALITY. — Plains of the Platte River, Nebraska.

Subgenus *ICTIS* Kaup.²

1829. *Ictis* KAUP, Skizziete Entw.-Gesch. u. natürl. Syst. der europ. Thierw., p. 40. Type. — *Mustela vulgaris* = *M. nivalis* LINNAEUS.

* ***Putorius cicognanii* (Bonaparte).**

1838. *Mustela cicognanii* BONAPARTE, Iconogr. fauna Ital., I, fasc. XXII, p. 4.

1839. *Putorius cicognanii* RICHARDSON, Zoology of Beechey's voyage, p. 10*.

1885. *Putorius vulgaris* TRUE, Proc. U. S. nat. mus., VII (1884), p. 609. 1885. (Part.)

1896. *Putorius cicognanii* MERRIAM, North Amer. fauna, no. 11, p. 10. June 30, 1896.

TYPE LOCALITY. — Northeastern North America.

¹ Revised by Merriam, North Amer. fauna, no. 11, pp. 7-9. June 30, 1896.

² Revised by Merriam, North Amer. fauna, no. 11, pp. 9-33. June 30, 1896.

Putorius cicognanii richardsonii (Bonaparte).

1838. *Mustela richardsonii* BONAPARTE, Charlesworth's mag. nat. hist., II, p. 38.

1896. *Putorius cicognanii richardsoni* MERRIAM, North Amer. fauna, no. 11, p. 11. June 30, 1896.

TYPE LOCALITY. — Fort Franklin, Great Bear Lake, Mackenzie, Canada.

Putorius cicognanii alascensis (Merriam).

1896. *Putorius richardsoni alascensis* MERRIAM, North Amer. fauna, no. 11, p. 12. June 30, 1896.

1897. [*Putorius cicognanii*] *alascensis* TROUESSART, Catal. mamm., pt. II, p. 277.

TYPE LOCALITY. — Juneau, Alaska.

Putorius streator Merriam.

1896. *Putorius streator* MERRIAM, North Amer. fauna, no. 11, p. 13. June 30, 1896.

TYPE LOCALITY. — Mount Vernon, Skagit Valley, Skagit County, Washington.

Putorius muricus Bangs.

1899. *Putorius (Arctogale) muricus* BANGS, Proc. New England zool. club, I, p. 71. July 31, 1899.

TYPE LOCALITY. — Echo, El Dorado County, California.

Putorius rixosus Bangs.

1896. *Putorius rixosus* BANGS, Proc. biol. soc. Washington, X, p. 21. February 25, 1896.

TYPE LOCALITY. — Osler, Saskatchewan, Canada.

Putorius rixosus eskimo Stone.

1900. *Putorius rixosus eskimo* STONE, Proc. acad. nat. sci. Phila., p. 44. March 24, 1900.

TYPE LOCALITY. — Point Barrow, Alaska.

Putorius arcticus Merriam.

1896. *Putorius arcticus* MERRIAM, North Amer. fauna, no. 11, p. 15. June 30, 1896.

TYPE LOCALITY. — Point Barrow, Alaska.

Putorius kadiacensis (Merriam).

1896. [*Putorius arcticus*] subspecies *kadiacensis* MERRIAM, North Amer. fauna, no. 11, p. 16. June 30, 1896.

1898. *Putorius kadiacensis* PREBLE, Proc. biol. soc. Washington, XII, p. 169. August 10, 1898.

TYPE LOCALITY.—Kadiak Island, Alaska.

Putorius haidarum Preble.

1898. *Putorius haidarum* PREBLE, Proc. biol. soc. Washington, XII, p. 169. August 10, 1898.

TYPE LOCALITY.—Masset, Graham Island, Queen Charlotte Islands, British Columbia, Canada.

* **Putorius noveboracensis** Emmons.

1840. *Putorius noveboracensis* EMMONS, Rep. quadr. Massachusetts, p. 45.

1885. *Putorius erminea* TRUE, Proc. U. S. nat. mus., VII (1884), p. 609. 1885. (Part.)

TYPE LOCALITY.—Southern New York.

Putorius noveboracensis notius Bangs.

1899. *Putorius noveboracensis notius* BANGS, Proc. New England zool. club, I, p. 53. June 9, 1899.

TYPE LOCALITY.—Weaverville, Buncombe County, North Carolina.

Putorius occisor Bangs.

1899. *Putorius occisor* BANGS, Proc. New England zool. club, I, p. 54. June 9, 1899.

TYPE LOCALITY.—Bucksport, near mouth of Penobscot River, Hancock County, Maine.

Putorius washingtoni Merriam.

1896. *Putorius washingtoni* MERRIAM, North Amer. fauna, no. 11, p. 18. June 30, 1896.

TYPE LOCALITY.—Trout Lake, south base of Mount Adams, Skamania County, Washington.

Putorius peninsulae Rhoads.

1894. *Putorius peninsulae* RHOADS, Proc. acad. nat. sci. Phila., p. 152. June 19, 1894.

TYPE LOCALITY.—Hudson's, Pasco County, fourteen miles north of Tarpon Springs, Hillsboro County, Florida.

* **Putorius longicauda** (Bonaparte).

1838. *Mustela longicauda* BONAPARTE, Charlesworth's mag. nat. hist., II, p. 38.

1839. *Putorius longicauda* RICHARDSON, Zoology of Beechey's voyage, p. 10*.

1885. *Putorius longicauda* TRUE, Proc. U. S. nat. mus., VII (1884), p. 609. 1885.

TYPE LOCALITY.—Carlton House, on North Saskatchewan River, Saskatchewan, Canada.

***Putorius longicauda oribasus* Bangs.**

1899. *Putorius (Arctogale) longicauda oribasus* BANGS, Proc. New England zool. club, I, p. 81. December 27, 1899.

TYPE LOCALITY.—Source of Kettle River, British Columbia, Canada. Altitude, 7500 feet.

***Putorius longicauda spadix* Bangs.**

1896. *Putorius longicauda spadix* BANGS, Proc. biol. soc. Washington, x, p. 8. February 25, 1896.

TYPE LOCALITY.—Fort Snelling, Hennepin County, Minnesota.

***Putorius saturatus* Merriam.**

1896. *Putorius saturatus* MERRIAM, North Amer. fauna, no. 11, p. 21. June 30, 1896.

TYPE LOCALITY.—Siskiyou, Jackson County, Oregon. Altitude, 4000 feet.

***Putorius arizonensis* Mearns.**

1891. *Putorius arizonensis* MEARN'S, Bull. Amer. mus. nat. hist., III, p. 234. June 5, 1891.

TYPE LOCALITY.—San Francisco forest, a few miles south of Flagstaff, Coconino County, Arizona.

***Putorius alleni* Merriam.**

1896. *Putorius alleni* MERRIAM, North Amer. fauna, no. 11, p. 24. June 30, 1896.

TYPE LOCALITY.—Custer, Black Hills, Custer County, South Dakota.

***Putorius xanthogenys* (Gray).**

1843. *Mustela xanthogenys* GRAY, Ann. and mag. nat. hist., XI, p. 118. February, 1843.

1857. *Putorius xanthogenys* BAIRD, Mamm. N. Amer., p. 176.

1896. *Putorius xanthogenys* MERRIAM, North Amer. fauna, no. 11, p. 25. June 30, 1896.

TYPE LOCALITY.—Southern California, probably in the vicinity of San Diego, San Diego County.

Putorius xanthogenys mundus Bangs.

1899. *Putorius xanthogenys mundus* BANGS, Proc. New England zool. club, I, p. 56. June 9, 1899.

TYPE LOCALITY. — Point Reyes, Marin County, California.

Putorius xanthogenys oregonensis Merriam.

1896. *Putorius xanthogenys oregonensis* MERRIAM, North Amer. fauna, no. 11, p. 25. June 30, 1896.

TYPE LOCALITY. — Grant's Pass, Rogue River Valley, Josephine County, Oregon.

*** Putorius frenatus** (Lichtenstein).

1832. *Mustela frenata* LICHTENSTEIN, Darstellung neuer oder wenig bekannter Säugethiere, pl. XLII.

1857. *Putorius frenatus* BAIRD, Mamm. N. Amer., p. 173.

1885. *Putorius brasiliensis frenatus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 610. 1885. (Part.)

1896. *Putorius frenatus* MERRIAM, North Amer. fauna, no. 11, p. 26. June 30, 1896.

TYPE LOCALITY. — Valley of Mexico, near City of Mexico, Mexico.

Putorius frenatus goldmani Merriam.

1896. *Putorius frenatus goldmani* MERRIAM, North Amer. fauna, no. 11, p. 28. June 30, 1896.

TYPE LOCALITY. — Pinabete, State of Chiapas, Mexico. Altitude, about 8200 feet.

Putorius frenatus leucoparia Merriam.

1896. *Putorius frenatus leucoparia* MERRIAM, North Amer. fauna, no. 11, p. 29. June 30, 1896.

TYPE LOCALITY. — Patzcuaro, State of Michoacan, Mexico.

Putorius frenatus neomexicanus Barber and Cockerell.

1898. *Putorius frenatus neomexicanus* BARBER and COCKERELL, Proc. acad. nat. sci. Phila., p. 188. May 3, 1898.

TYPE LOCALITY. — Armstrong's Lake, Mesilla Valley, Dona Ana County, New Mexico.

Putorius tropicalis Merriam.

1896. *Putorius tropicalis* MERRIAM, North. Amer. fauna, no. 11, p. 30. June 30, 1896.

TYPE LOCALITY. — Jico, State of Vera Cruz, Mexico. Altitude, 6000 feet.

***Putorius affinis** (Gray).

1874. *Mustela affinis* GRAY, Ann. and mag. nat. hist., 4th ser., XIV, p. 375. November, 1874.

1885. *Putorius brasiliensis aequitorialis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 610. 1885. (Part.)

1896. *Putorius affinis* MERRIAM, North Amer. fauna, no. 11, p. 31. June 30, 1896.

TYPE LOCALITY. — Colombia.

Genus **MUSTELA** Linnaeus.

1758. *Mustela* LINNAEUS, Syst. nat., x ed., I, p. 45. Type. — *Mustela martes* LINNAEUS.

* **Mustela americana** Turton.

1806. [*Mustela*] *americanus* TURTON, Linnaeus, system of nature, I, p. 60.

1885. *Mustela americana* TRUE, Proc. U. S. nat. mus., VII (1884), p. 610. 1885. (Part.)

TYPE LOCALITY. — Eastern North America.

Mustela americana actuosa Osgood.

1900. *Mustela americana actuosa* OSGOOD, North Amer. fauna, no. 19, p. 43. October 6, 1900.

TYPE LOCALITY. — Fort Yukon, Alaska.

Mustela atrata Bangs.

1897. *Mustela atrata* BANGS, Amer. nat., XXXI, p. 162. February, 1897.

TYPE LOCALITY. — Bay St. George, Newfoundland.

Mustela brumalis Bangs.

1898. *Mustela brumalis* BANGS, Amer. nat., XXXII, p. 502. July, 1898.

TYPE LOCALITY. — Okak, Labrador.

Mustela caurina Merriam.

1890. *Mustela caurina* MERRIAM, North Amer. fauna, no. 4, p. 27. October 8, 1890.

TYPE LOCALITY. — Near Gray's Harbor, Chehalis County, Washington.

* **Mustela pennanti** Erxleben.

1777. [*Mustela*] *pennanti* ERXLEBEN, Syst. regni anim., i, p. 470.

1885. *Mustela pennanti* TRUE, Proc. U. S. nat. mus., VII (1884), p. 610. 1885.

1898. *Mustela canadensis* RHOADS, Trans. Amer. philos. soc., n. s., XIX, p. 434. September, 1898.

1898. *Mustela pennanti* ALLEN, Bull. Amer. mus. nat. hist., X, p. 461. November 10, 1898.

TYPE LOCALITY. — Eastern Canada.

Mustela pennanti pacifica (Rhoads).

1898. *Mustela canadensis pacifica* RHOADS, Trans. Amer. philos. soc., n. s., XIX, p. 435. September, 1898.

TYPE LOCALITY. — Lake Kichelos, Kittitas County, Washington. Altitude, 8000 feet.

Family **PROCYONIDAE**.

Genus **POTOS** Cuvier and Geoffroy.

1795. *Potos* CUVIER and GEOFFROY, Méthode mammalogique, in Mag. encyclopédique, II, p. 187. Type.—*Viverra caudivolvula* SCHREBER.

For use of this name in place of *Cercoleptes* (Illiger, Prodr. meth. mamm., p. 127, 1811) see Palmer, Proc. biol. soc. Washington, XI, p. 174, June 9, 1897.

* **Potos caudivolvulus** (Schreber).

1777. *Viverra caudivolvula* SCHREBER, Säugthiere, III, p. 453.

1803. *Potos caudivolvulus* E. GEOFFROY, Catal. des mamm. du mus. national d'hist. nat., p. 90.

1885. *Cercoleptes caudivolvulus* TRUE, Proc. U. S. nat. mus.,
VII (1884), p. 608. 1885.

TYPE LOCALITY. — Surinam.

Genus **NASUA** Storr.

1780. *Nasua* STORR, Prodr. meth. mamm., p. 35. Type. —
Viverra nasua LINNAEUS.

* **Nasua narica** (Linnaeus).

1766. [*Viverra*] *narica* LINNAEUS, Syst. nat., XII ed., I, p. 64.

1879. *Nasua narica* ALLEN, Bull. U. S. geol. and geogr. surv.
terr., v, p. 162.

1885. *Nasua narica* TRUE, Proc. U. S. nat. mus., VII (1884),
p. 608. 1885.

TYPE LOCALITY. — Tropical America.

Genus **PROCYON** Storr.

1780. *Procyon* STORR, Prodr. meth. mamm., p. 35. Type. —
Ursus lotor LINNAEUS.

* **Procyon cancrivorus** (Cuvier).

1798. *Ursus cancrivorus* CUVIER, Tabl. élém. d'hist. nat.,
p. 113.

1819. *Procyon cancrivorus* DESMAREST, Dict. d'hist. nat.,
XXIX, p. 93.

1885. *Procyon cancrivorus* TRUE, Proc. U. S. nat. mus., VII
(1884), p. 608. 1885.

TYPE LOCALITY. — Cayenne, French Guiana.

* **Procyon lotor** (Linnaeus).

1758. [*Ursus*] *lotor* LINNAEUS, Syst. nat., X ed., I, p. 48.

1819. *Procyon lotor* DESMAREST, Dict. d'hist. nat., XXIX,
p. 91.

1885. *Procyon lotor* TRUE, Proc. U. S. nat. mus., VII (1884), p. 608. 1885. (Part.)

TYPE LOCALITY. — Eastern United States.

***Procyon lotor elucus* Bangs.**

1898. *Procyon lotor elucus* BANGS, Proc. Boston soc. nat. hist., XXVIII, p. 219. March, 1898.

TYPE LOCALITY. — Oak Lodge, East Peninsula, opposite Micco, Brevard County, Florida.

***Procyon lotor hernandezii* (Wagler).**

1831. *Procyon hernandezii* WAGLER, Isis, XXIV, p. 514.

1890. *Procyon lotor hernandezii* ALLEN, Bull. Amer. mus. nat. hist., III, p. 176. December 10, 1890.

TYPE LOCALITY. — Southern Mexico.

***Procyon lotor insularis* Merriam.**

1898. *Procyon lotor insularis* MERRIAM, Proc. biol. soc. Washington, XII, p. 17. January 27, 1898.

TYPE LOCALITY. — Maria Madre Island, Tres Marias Islands, State of Jalisco, Mexico.

***Procyon maynardi* Bangs.**

1898. *Procyon maynardi* BANGS, Proc. biol. soc. Washington, XII, p. 92. April 30, 1898.

TYPE LOCALITY. — New Providence Island, Bahamas.

***Procyon pallidus* Merriam.**

1900. *Procyon pallidus* MERRIAM, Proc. biol. soc. Washington, XIII, p. 151. June 13, 1900.

TYPE LOCALITY. — New River, Colorado Desert, San Diego County, California.

***Procyon psora* Gray.**

1842. *Procyon psora* GRAY, Ann. and mag. nat. hist., x, p. 261. December, 1842.

1899. [*Procyon*] *psora* MERRIAM, North Amer. fauna, no. 16, p. 107. October 28, 1899.

TYPE LOCALITY. — Sacramento, Sacramento County, California.

***Procyon psora pacifica* Merriam.**

1899. *Procyon psora pacifica* MERRIAM, North Amer. fauna, no. 16, p. 107. October 28, 1899.

TYPE LOCALITY.—Lake Kichelos, Kittitas County, Washington. Altitude, 8000 feet.

Genus **BASSARISCUS** Coues.

1887. *Bassariscus* COUES, Science, ix, p. 516. May 27, 1887.
Type.—By elimination, *Bassariscus astutus* LICHTENSTEIN.

* **Bassariscus astutus** (Lichtenstein).

1831. *Bassariscus astutus* LICHTENSTEIN, Isis, xxiv, p. 513.

1885. *Bassariscus astutus* TRUE, Proc. U. S. nat. mus., vii (1884),
p. 608. 1885.

1887. *Bassariscus astutus* COUES, Science, ix, p. 516. May
27, 1887.

TYPE LOCALITY.—Southern Mexico.

Bassariscus astutus flavus Rhoads.

1894. *Bassariscus astutus flavus* RHOADS, Proc. acad. nat.
sci. Phila., 1893, p. 417. January 30, 1894.

TYPE LOCALITY.—Texas, exact locality unknown.

Bassariscus astutus oregonus (Rhoads).

1894. *Bassariscus flavus oregonus* RHOADS, Proc. acad. nat.
sci. Phila., 1893, p. 416. January 30, 1894.

TYPE LOCALITY.—Grant's Pass, Josephine County, Oregon.

According to Merriam (Proc. biol. soc. Washington, xi, pp. 186–187, July 1, 1897) this should stand as *Bassariscus raptor*. (*Bassariscus raptor* BAIRD, Mamm. Mexican boundary, p. 19, 1859. Type caught in the city of Washington, D. C., where it had evidently escaped from captivity.)

Bassariscus saxicola Merriam.

1897. *Bassariscus saxicola* MERRIAM, Proc. biol. soc. Wash-
ington, xi, p. 185. July 1, 1897.

TYPE LOCALITY.—Espiritu Santo Island, Lower California,
Mexico.

Genus **WAGNERIA** Jentink.

1886. *Wagneria* JENTINK, Notes from the Leyden museum, VIII, p. 129. Type. — *Paradoxurus annulatus* WAGNER.

According to Merriam (Science, n. s., VII, p. 31, January 7, 1898) the name *Wagneria* is preoccupied and the genus identical with *Bassariscus*.

* **Wagneria annulata** (Wagner).

1841. *P[aradoxurus] annulatus* WAGNER, Schreber's Säugthiere, Suppl., II, p. 353.

1885. *Bassaris sumichrasti* TRUE, Proc. U. S. nat. mus., VII (1884), p. 608. 1885.

1886. *Wagneria annulata* JENTINK, Notes from the Leyden museum, VIII, p. 129.

TYPE LOCALITY.— Unknown; probably Central America.

Genus **BASSARICYON** Allen.

1876. *Bassaricyon* ALLEN, Proc. acad. nat. sci. Phila., p. 20. Type. — *Bassaricyon gabbii* ALLEN.

* **Bassaricyon gabbii** Allen.

1876. [*Bassaricyon*] *gabbii* ALLEN, Proc. acad. nat. sci. Phila., p. 23. April 18, 1876.

1885. *Bassaricyon gabbii* TRUE, Proc. U. S. nat. mus., VII (1884), p. 608. 1885.

TYPE LOCALITY.— Costa Rica.

Family **URSIDAE**.

Genus **URSUS** Linnaeus.¹

1758. *Ursus* LINNAEUS, Syst. nat., x ed., i, p. 47. Type.—
Ursus arctos LINNAEUS.

Subgenus **URSUS** Linnaeus.

Ursus middendorffi Merriam.

1896. *Ursus middendorffi* MERRIAM, Proc. biol. soc. Washington, x, p. 69. April 13, 1896.

TYPE LOCALITY. — Kadiak Island, Alaska.

Ursus dalli Merriam.

1896. *Ursus dalli* MERRIAM, Proc. biol. soc. Washington, x, p. 71. April 13, 1896.

TYPE LOCALITY. — Yakutat Bay, Alaska.

Ursus sitkensis Merriam.

1896. *Ursus sitkensis* MERRIAM, Proc. biol. soc. Washington, x, p. 73. April 13, 1896.

TYPE LOCALITY.— Near Sitka, Alaska.

Regarded by Lydekker (Proc. zool. soc. London, 1897, p. 424) as identical with *U. dalli*.

Subgenus **DANIS** Gray.

1825. *Danis* GRAY, Ann. of philos., n. s., x, p. 60. Type.—
Ursus ferox DESMAREST = *Ursus horribilis* ORD.

* **Ursus horribilis** Ord.

1815. *Ursus horribilis* ORD, Guthrie's geography, 2d Amer. ed., ii, p. 291, described on p. 299.

¹ American species revised by Merriam, Proc. biol. soc. Washington x, pp. 65-83. April 13, 1896.

1885. *Ursus horribilis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 608. 1885. (Part.)

TYPE LOCALITY.—Montana.

***Ursus horribilis alascensis* Merriam.**

1896. *Ursus horribilis alascensis* MERRIAM, Proc. biol. soc. Washington, x, p. 74. April 13, 1896.

TYPE LOCALITY.—Norton Sound, Alaska.

***Ursus horribilis californicus* Merriam.**

1896. [*Ursus horribilis*] subspecies *californicus* MERRIAM, Proc. biol. soc. Washington, x, p. 76. April 13, 1896.

TYPE LOCALITY.—Monterey, Monterey County, California.

***Ursus horribilis horriaeus* Baird.**

1859. *Ursus horribilis* var. *horriaeus* BAIRD, Rep. Mexican boundary survey, II, pt. II, p. 24.

1896. *Ursus horribilis horriaeus* MERRIAM, Proc. biol. soc. Washington, x, p. 75. April 13, 1896.

TYPE LOCALITY.—Los Nogales, State of Sonora, Mexico, near border of Pima County, Arizona.

* ***Ursus richardsoni* Swainson.**

1838. *Ursus richardsoni* SWAINSON, Anim. in menageries, p. 54.

1885. *Ursus richardsoni* TRUE, Proc. U. S. nat. mus., VII (1884), p. 608. 1885.

TYPE LOCALITY.—Shore of the Arctic Ocean, Mackenzie, Canada.

Subgenus EUARCTOS Gray.

1864. *Euarctos* GRAY, Proc. zool. soc. London, p. 692. Type.—*Ursus americanus* PALLAS.

* ***Ursus americanus* Pallas.**

1780. *Ursus americanus* PALLAS, Spicilegia zoologica, fasc. XIV, p. 5.

1885. *Ursus americanus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 608. 1885.

TYPE LOCALITY. — Eastern North America.

***Ursus americanus sornborgeri* Bangs.**

1898. *Ursus (Euarctos) americanus sornborgeri* BANGS, Amer. nat., XXXII, p. 500. July, 1898.

TYPE LOCALITY. — Okak, Labrador.

***Ursus luteolus* Griffith.**

1821. *Ursus luteolus* GRIFFITH, Carnivorous animals, p. 236.

1893. *Ursus luteolus* MERRIAM, Proc. biol. soc. Washington, VIII, p. 147. December 29, 1893.

TYPE LOCALITY. — Louisiana.

***Ursus floridanus* Merriam.**

1896. *Ursus floridanus* MERRIAM, Proc. biol. soc. Washington, X, p. 81. April 13, 1896.

TYPE LOCALITY. — Key Biscayne, Dade County, Florida.

***Ursus emmonsii* (Dall).**

1895. [*Ursus americanus*] var. *emmonsii* DALL, Science, n. s., II, p. 87. July 26, 1895.

1896. *Ursus emmonsii* MERRIAM, Proc. biol. soc. Washington, X, p. 82. April 13, 1896.

1897. *Ursus glacilis* (sic) KELLS, Canadian natural science news, I, p. 12. April, 1897. (Mt. Saint Elias, Alaska.)

TYPE LOCALITY.— Saint Elias Alps, near Yakutat Bay, Alaska.

Genus **THALARCTOS** Gray.

1825. *Thalarctos* GRAY, Ann. of philos., n. s., X, p. 62. Type. — *Thalarctos polaris* GRAY = *Ursus maritimus* PHIPPS.

* ***Thalarctos maritimus* (Phipps).**

1774. *Ursus maritimus* PHIPPS, Voyage toward N. Pole, p. 185.

1862. *Thalarctos maritimus* GRAY, Catal. bones mamm. Brit. mus., p. 105.

1885. *Thalassarctos maritimus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 608. 1885.

TYPE LOCALITY. — Spitzbergen.

Order INSECTIVORA.

Family **SORICIDAE**.

Subfamily SORICINAE.

Genus **SOREX** Linnaeus.¹

1758. *Sorex* LINNAEUS, Syst. nat., x ed., 1, p. 53. Type. —
Sorex araneus LINNAEUS.

Subgenus **SOREX** Linnaeus.

* ***Sorex personatus*** I. Geoffroy.

1827. *Sorex personatus* I. GEOFFROY, Mém. mus. d'hist. nat.,
Paris, xv, p. 122.

1885. *Sorex platyrhinus* and *Sorex cooperi* TRUE, Proc. U. S.
nat. mus., VII (1884), p. 606. 1885.

TYPE LOCALITY. — Eastern United States.

Sorex personatus haydeni (Baird).

1857. *Sorex haydeni* BAIRD, Mamm. N. Amer., p. 29.

1896. *Sorex personatus haydeni* ALLEN, Bull. Amer. mus. nat.
hist., VIII, p. 257. November 25, 1896.

TYPE LOCALITY. — Fort Union, now Buford, Military Reserva-
tion, North Dakota.

Sorex personatus lesueurii (Duvernoy).

1842. *Amphisorex lesueurii* DUVERNOY, Mag. de zool., 2d
ser., mamm., p. 33. November, 1842.

¹ Revised by Merriam, North Amer. fauna, no. 11, pp. 57-98. December 31, 1895.

1895. [*Sorex personatus*] *lesueuri* MERRIAM, North Amer. fauna, no. 10, p. 61. December 31, 1895.

TYPE LOCALITY. — Wabash River, Indiana.

Sorex personatus miscix Bangs.

1899. *Sorex personatus miscix* BANGS, Proc. New England zool. club, I, p. 15. February 28, 1899.

TYPE LOCALITY. — Black Bay, Strait of Belle Isle, Labrador.

Sorex personatus arcticus Merriam.

1900. *Sorex personatus arcticus* MERRIAM, Proc. Washington acad. sci., II, p. 17. March 14, 1900.

TYPE LOCALITY. — St. Michaels, Norton Sound, Alaska.

Sorex personatus streatori Merriam.

1895. *Sorex personatus streatori* MERRIAM, North Amer. fauna, no. 10, p. 62. December 31, 1895.

TYPE LOCALITY. — Yakutat, Alaska.

Sorex macrurus Batchelder.

1896. *Sorex macrurus* BATCHELDER, Proc. biol. soc. Washington, X, p. 133. December 8, 1896.

TYPE LOCALITY. — Beede's (sometimes called Keene Heights), Essex County, New York.

Sorex richardsonii Bachman.

1837. *Sorex richardsonii* BACHMAN, Journ. acad. nat. sci. Phila., VII, pt. II, p. 383.

1895. *Sorex richardsoni* MILLER, North Amer. fauna, no. 10, p. 48. December 31, 1895.

TYPE LOCALITY. — Unknown; probably plains of Saskatchewan, Canada.

Sorex tundrensis Merriam.

1900. *Sorex tundrensis* MERRIAM, Proc. Washington acad. sci., II, p. 16. March 14, 1900.

TYPE LOCALITY. — St. Michaels, Norton Sound, Alaska.

* **Sorex sphagnicola** Coues.

1877. *Sorex sphagnicola* COUES, Bull. U. S. geol. and geogr. surv. terr., III, p. 650. May 15, 1877.

1885. *Sorex sphagnicola* TRUE, Proc. U. S. nat. mus., VII (1884), p. 606. 1885.

TYPE LOCALITY. — Vicinity of Fort Liard, northwestern British Columbia, Canada.

* **Sorex fumeus** Miller.

1885. *Sorex forsteri* TRUE, Proc. U. S. nat. mus., VII (1884), p. 606. 1885.

1895. *Sorex fumeus* MILLER, North Amer. fauna, no. 10, p. 50. December 31, 1895.

TYPE LOCALITY. — Peterboro, Madison County, New York.

Sorex vagrans Baird.

1857. *Sorex vagrans* BAIRD, Mamm. N. Amer., p. 15.

1891. *S[orex] vagrans* MERRIAM, North Amer. fauna, no. 5, p. 34. July 30, 1891.

TYPE LOCALITY. — Shoalwater Bay, Washington.

Sorex vagrans dobsoni (Merriam).

1891. *Sorex dobsoni* MERRIAM, North Amer. fauna, no. 5, p. 33. July 30, 1891.

1895. *Sorex vagrans dobsoni* MERRIAM, North Amer. fauna, no. 10, p. 68. December 31, 1895.

TYPE LOCALITY. — Saw Tooth or Alturas Lake, east base of Saw Tooth Mountains, central Idaho. Altitude, about 7200 feet.

Sorex vagrans monticola (Merriam).

1890. *Sorex monticolus* MERRIAM, North Amer. fauna, no. 3, p. 43. September 11, 1890.

1895. *Sorex vagrans monticola* MERRIAM, North Amer. fauna, no. 10, p. 69. December 31, 1895.

TYPE LOCALITY. — San Francisco Mountain, Coconino County, Arizona. Altitude, 11,500 feet.

Sorex setosus Elliot.

1899. *Sorex setosus* ELLIOT, Field Columbian mus., publication 32, zool. ser., I, p. 274. March, 1899.

TYPE LOCALITY. — Happy Lake, Olympic Mountains, Clallam County, Washington.

Sorex amoenus Merriam.

1895. *Sorex amoenus* MERRIAM, North Amer. fauna, no. 10, p. 69. December 31, 1895.

TYPE LOCALITY. — Mammoth Pass, head of Owen's River, east slope of the Sierra Nevada Mountains, California. Altitude, about 10,000 feet.

Sorex vancouverensis Merriam.

1895. *Sorex vancouverensis* MERRIAM, North Amer. fauna, no. 10, p. 70. December 31, 1895.

TYPE LOCALITY. — Goldstream, Vancouver Island, British Columbia, Canada.

Sorex orizabae Merriam.

1895. *Sorex orizabae* MERRIAM, North Amer. fauna, no. 10, p. 71. December 31, 1895.

TYPE LOCALITY. — Mount Orizaba, State of Puebla, Mexico. Altitude, 9500 feet.

Sorex nevadensis Merriam.

1895. *Sorex nevadensis* MERRIAM, North Amer. fauna, no. 10, p. 71. December 31, 1895.

TYPE LOCALITY. — Reese River, Lander County, Nevada.

Sorex obscurus Merriam.

1895. *Sorex obscurus* MERRIAM, North Amer. fauna, no. 10, p. 72. December 31, 1895.

TYPE LOCALITY. — Timber Creek, Salmon River Mountains, Idaho. Altitude, 8200 feet.

Sorex obscurus longicauda Merriam.

1895. *Sorex obscurus longicauda* MERRIAM, North Amer. fauna, no. 10, p. 74. December 31, 1895.

TYPE LOCALITY. — Wrangel, Alaska.

Regarded by Merriam (Proc. Washington acad. sci., II, p. 16, March 14, 1900) as a distinct species.

Sorex obscurus ventralis Merriam.

1895. *Sorex obscurus ventralis* MERRIAM, North Amer. fauna, no. 10, p. 75. December 31, 1895.

TYPE LOCALITY. — Cerro San Felipe, State of Oaxaca, Mexico. Altitude, 10,000 feet.

Sorex glacialis Merriam.

1900. *Sorex glacialis* MERRIAM, Proc. Washington acad. sci., II, p. 16. March 14, 1900.

TYPE LOCALITY.—Point Gustavus, on east side of entrance to Glacier Bay, Alaska.

Sorex alascensis (Merriam).

1895. *Sorex obscurus alascensis* MERRIAM, North Amer. fauna, no. 10, p. 76. December 31, 1895.

1900. *S[orex] alascensis* MERRIAM, Proc. Washington acad. sci., II, p. 18. March 14, 1900.

TYPE LOCALITY.—Yakutat Bay, Alaska.

Sorex alascensis shumaginensis Merriam.

1900. *Sorex alascensis shumaginensis* MERRIAM, Proc. Washington acad. sci., II, p. 18. March 14, 1900.

TYPE LOCALITY.—Popof Island, Shumagin Islands, Alaska.

Sorex salvini Merriam.

1897. *Sorex salvini* MERRIAM, Proc. biol. soc. Washington, XI, p. 229. July 15, 1897.

TYPE LOCALITY.—Calel, Totonicapan, Guatemala. Altitude, 10,200 feet.

Sorex oreopolus Merriam.

1892. *Sorex oreopolus* MERRIAM, Proc. biol. soc. Washington, VII, p. 173. September 29, 1892.

TYPE LOCALITY.—North slope of Sierra Nevada of Colima, State of Jalisco, Mexico. Altitude, 10,000 feet.

Sorex bairdi Merriam.

1895. *Sorex bairdi* MERRIAM, North Amer. fauna, no. 10, p. 77. December 31, 1895.

TYPE LOCALITY.—Astoria, mouth of the Columbia River, Clatsop County, Oregon.

* **Sorex trowbridgii** Baird.

1857. *Sorex trowbridgii* BAIRD, Mamm. N. Amer., p. 13.

1885. *Sorex trowbridgei* TRUE, Proc. U. S. nat. mus., VII (1884), p. 606. 1885.

TYPE LOCALITY.—Astoria, mouth of the Columbia River, Clatsop County, Oregon.

Sorex montereyensis Merriam.

1895. *Sorex montereyensis* MERRIAM, North Amer. fauna, no. 10, p. 79. December 31, 1895.

TYPE LOCALITY.—Monterey, Monterey County, California.

Sorex ornatus Merriam.

1895. *Sorex ornatus* MERRIAM, North Amer. fauna, no. 10, p. 79. December 31, 1895.

TYPE LOCALITY.— Head of San Emigdio Canyon, Mount Piños, Monterey County, California.

Sorex californicus Merriam.

1895. *Sorex californicus* MERRIAM, North Amer. fauna, no. 10, p. 80. December 31, 1895.

TYPE LOCALITY.— Walnut Creek, Contra Costa County, California.

Sorex shastensis Merriam.

1899. *Sorex shastensis* MERRIAM, North Amer. fauna, no. 16, p. 87. October 28, 1899.

TYPE LOCALITY.— Wagon Camp, Mount Shasta, Siskiyou County, California. Altitude, 5700 feet.

Sorex tenellus Merriam.

1895. *Sorex tenellus* MERRIAM, North Amer. fauna, no. 10, p. 81. December 31, 1895.

TYPE LOCALITY.— Summit of Alabama Hills, near Lone Pine, Owens Valley, Inyo County, California.

Sorex tenellus nanus Merriam.

1895. *Sorex tenellus nanus* MERRIAM, North Amer. fauna, no. 10, p. 81. December 31, 1895.

TYPE LOCALITY.— Estes Park, Larimer County, Colorado.

Sorex macrodon Merriam.

1895. *Sorex macrodon* MERRIAM, North Amer. fauna, no. 10, p. 82. December 31, 1895.

TYPE LOCALITY.— Orizaba, State of Vera Cruz, Mexico. Altitude, 4200 feet.

* **Sorex veraepacis** Alston.

1877. *Sorex veraepacis* ALSTON, Proc. zool. soc. London, p. 445.

1885. *Sorex veraepacis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 606. 1885.

TYPE LOCALITY.— Coban, Guatemala.

Sorex saussurei Merriam.

1892. *Sorex saussurei* MERRIAM, Proc. biol. soc. Washington, VII, p. 173. September 29, 1892.

TYPE LOCALITY.—North slope of Sierra Nevada of Colima, State of Jalisco, Mexico. Altitude, 8000 feet.

Sorex saussurei mutabilis Merriam.

1898. *Sorex saussurei mutabilis* MERRIAM, Science, n. s., VIII, p. 782. December 2, 1898.

TYPE LOCALITY.—Reyes, State of Oaxaca, Mexico. Altitude, 10,200 feet.

Sorex sclateri Merriam.

1897. *Sorex sclateri* MERRIAM, Proc. biol. soc. Washington, XI, p. 228. July 15, 1897.

TYPE LOCALITY.—Tumbala, State of Chiapas, Mexico. Altitude, 5000 feet.

Sorex godmani Merriam.

1897. *Sorex godmani* MERRIAM, Proc. biol. soc. Washington, XI, p. 229. July 15, 1897.

TYPE LOCALITY.—Volcano Santa Maria, Quezaltenango, Guatemala. Altitude, 9000 feet.

Sorex stizodon Merriam.

1895. *Sorex stizodon* MERRIAM, North Amer. fauna, no. 10, p. 98. December 31, 1895.

TYPE LOCALITY.—San Cristobal, State of Chiapas, Mexico.

Sorex longirostris Bachman.

1837. *Sorex longirostris* BACHMAN, Journ. acad. nat. sci. Phila., VII, pt. II, p. 370.

1895. *Sorex longirostris* MILLER, North Amer. fauna, no. 10, p. 52. December 31, 1895.

TYPE LOCALITY.—Swamps of the Santee River, South Carolina.

Sorex fisheri Merriam.

1895. *Sorex fisheri* MERRIAM, North Amer. fauna, no. 10, p. 86. December 31, 1895.

TYPE LOCALITY.—Lake Drummond, Dismal Swamp, Norfolk County, Virginia.

* **Sorex pacificus** Coues.

1877. *Sorex pacificus* COUES, Bull. U. S. geol. and geogr. surv. terr., III, p. 650. May 15, 1877.

1885. *Sorex pacificus* TRUE, Proc. U. S. nat. mus., VII (1884) p. 606. 1885.

TYPE LOCALITY.—Fort Umpqua, mouth of Umpqua River, Douglas County, Oregon.

Sorex pribilofensis Merriam.

1895. *Sorex pribilofensis* MERRIAM, North Amer. fauna, no. 10, p. 87. December 31, 1895.

TYPE LOCALITY.—St. Paul Island, Pribilof Islands, Bering Sea.

Sorex merriami Dobson.

1890. *Sorex merriami* DOBSON, Monogr. insectivora, pt. III, fasc. I, pl. XXIII, fig. 6. May, 1890.

TYPE LOCALITY.—Little Bighorn River, about a mile and a half above Fort Custer, Crow Indian Reservation, Montana.

The possibility that this is an Asiatic shrew is suggested by Merriam (North Amer. fauna, no. 10, p. 89, December 31, 1895).

Subgenus **MICROSOREX** Coues.

1877. *Microsorex* COUES, Bull. U. S. geol. and geogr. surv. terr., III, p. 646. May 15, 1897. Type.—*Sorex hoyi* BAIRD.

* **Sorex hoyi** Baird.

1857. *Sorex hoyi* BAIRD, Mamm. N. Amer., p. 32.

1885. *Sorex hoyi* TRUE, Proc. U. S. nat. mus., VII (1884), p. 606. 1885.

TYPE LOCALITY.—Racine, Racine County, Wisconsin.

Subgenus **NEOSOREX** Baird.

1857. *Neosorex* BAIRD, Mamm. N. Amer., p. 11. Type.—*Neosorex navigator* BAIRD.

*** *Sorex palustris* Richardson.**1828. *Sorex palustris* RICHARDSON, Zool. journ., III, p. 517.1885. *Neosorex palustris* TRUE, Proc. U. S. nat. mus., VII (1884), p. 606. 1885.

TYPE LOCALITY.—Marshy places from Hudson Bay to the Rocky Mountains.

*** *Sorex navigator* (Baird).**1857. *Neosorex navigator* BAIRD, Mamm. N. Amer., p. 11.1885. *Neosorex navigator* TRUE, Proc. U. S. nat. mus., VII (1884), p. 606. 1885.1900. [*Sorex*] *navigator* MERRIAM, Proc. Washington acad. sci., II, p. 18. March 14, 1900.

TYPE LOCALITY.—Unknown; probably northern Idaho (see Merriam, North Amer. fauna, no. 10, p. 92, December 31, 1895).

***Sorex navigator alaskanus* Merriam.**1900. *Sorex navigator alaskanus* MERRIAM, Proc. Washington acad. sci., II, p. 18. March 14, 1900.

TYPE LOCALITY.—Point Gustavus, on east side of entrance to Glacier Bay, Alaska.

***Sorex albibarbis* (Cope).**1862. *Neosorex albibarbis* COPE, Proc. acad. nat. sci. Phila., p. 188.1892. *Sorex albibarbis* MERRIAM, Proc. biol. soc. Washington, VII, p. 25. April 13, 1892.

TYPE LOCALITY.—Profile Lake, Franconia Mountains, Grafton County, New Hampshire.

***Sorex hydrodromus* Dobson.**1889. *Sorex hydrodromus* DOBSON, Ann. and mag. nat. hist., 6th ser., IV, p. 373. November, 1889.

TYPE LOCALITY.—Unalaska Island, Alaska.

Subgenus *ATOPHYRAX* Merriam.1884. *Atophyrax* MERRIAM, Trans. Linn. soc. New York, II, p. 217. August, 1884. Type.—*Atophyrax bendirii* Merriam.

* **Sorex bendirii** (Merriam).

1884. *Atophyrax bendirii* MERRIAM, Trans. Linn. soc. New York, II, p. 217. August, 1884.

1885. *Atophyrax bendirei* TRUE, Proc. U. S. nat. mus., VII (1884), p. 606. 1885.

1890. *Sorex bendirii* DOBSON, Monogr. insectivora, pt. III, fasc. I, pl. XXIII, fig. 17. May, 1890.

TYPE LOCALITY. — Near Williamson River, 18 miles southeast of Fort Klamath, Klamath County, Oregon.

Sorex bendirii palmeri Merriam.

1895. *Sorex bendirii palmeri* MERRIAM, North Amer. fauna, no. 10, p. 97. December 31, 1895.

TYPE LOCALITY. — Astoria, Clatsop County, Oregon.

Sorex bendirii albiventer Merriam.

1895. *Sorex bendirii albiventer* MERRIAM, North Amer. fauna, no. 10, p. 97. December 31, 1895.

TYPE LOCALITY. — Lake Cushman, Olympic Mountains, Mason County, Washington.

Genus **NOTIOSOREX** Coues.¹

1877. *Notiosorex* COUES, Bull. U. S. geol. and geogr. surv. terr., III, p. 646. May 15, 1877. Type.— *Sorex (Notiosorex) crawfordi* COUES.

* **Notiosorex crawfordi** (Coues).

1877. *Sorex (Notiosorex) crawfordi* COUES, Bull. U. S. geol. and geogr. surv. terr., III, p. 651. May 15, 1877.

1885. *Sorex crawfordi* TRUE, Proc. U. S. nat. mus., VII (1884), p. 606. 1885.

1895. *Notiosorex crawfordi* MERRIAM, North Amer. fauna, no. 10, p. 32. December 31, 1895.

TYPE LOCALITY. — Near old Fort Bliss, about two miles above El Paso, El Paso County, Texas.

¹ Revised by Merriam, North Amer. fauna, no. 10, pp. 31-34. December 31, 1895.

Notiosorex crawfordi evotis (Coues).

1877. *Sorex* (*Notiosorex*) *evotis* COUES, Bull. U. S. geol. and geogr. surv. terr., III, p. 652. May 15, 1877.

1895. *Notiosorex crawfordi evotis* MERRIAM, North Amer. fauna, no. 10, p. 34. December 31, 1895.

TYPE LOCALITY. — Mazatlan, State of Sinaloa, Mexico.

Notiosorex gigas Merriam.

1897. *Notiosorex gigas* MERRIAM, Proc. biol. soc. Washington, XI, p. 227. July 15, 1897.

TYPE LOCALITY. — Mountains at Milpillas, near San Sebastian, State of Jalisco, Mexico.

Genus **BLARINA** Gray.¹

1838. *Blarina* GRAY, Proc. zool. soc. London, 1837, p. 124.

Type. — *Sorex talpoides* GAPPER = *Sorex brevicauda* SAY.

Subgenus **BLARINA** Gray.* **Blarina brevicauda** (Say).

1823. *Sorex brevicaudus* SAY, Long's exped. Rocky Mts., I, p. 164.

1857. *Blarina brevicauda* BAIRD, Mamm. N. Amer., p. 42.

1885. *Blarina brevicauda* TRUE, Proc. U. S. nat. mus., VII (1884), p. 606. 1885.

TYPE LOCALITY. — West bank of Missouri River, near Blair, formerly Engineer Cantonment, Washington County, Nebraska.

Blarina brevicauda carolinensis (Bachman).

1837. *Sorex carolinensis* BACHMAN, Journ. acad. nat. sci. Phila., VII, pt. II, p. 366.

Revised by Merriam, North Amer. fauna, no. 10, pp. 7-31. December 31, 1895.

1895. *Blarina brevicauda carolinensis* MERRIAM, North Amer. fauna, no. 10, p. 13. December 31, 1895.

TYPE LOCALITY. — Eastern South Carolina.

***Blarina brevicauda peninsulæ* (Merriam).**

1895. *Blarina carolinensis peninsulæ* MERRIAM, North Amer. fauna, no. 10, p. 14. December 31, 1895.

1897. [*Blarina brevicauda*] *peninsulæ* TROUËSSART, Catal. mamm., pt. I, p. 188.

TYPE LOCALITY. — Miami River, Dade County, Florida.

***Blarina brevicauda hulophaga* Elliot.**

1899. *Blarina brevicauda hulophaga* ELLIOT, Field Columbian mus., publication 38, zool. ser., I, p. 287. May 24, 1899.

TYPE LOCALITY. — Dougherty, Washita River, Chicksaw Nation, Indian Territory.

***Blarina telmalestes* Merriam.**

1895. *Blarina telmalestes* MERRIAM, North Amer. fauna, no. 10, p. 15. December 31, 1895.

TYPE LOCALITY. — Lake Drummond, Dismal Swamp, Norfolk County, Virginia.

***Blarina costaricensis* Allen.**

1891. *Blarina costaricensis* ALLEN, Bull. Amer. mus. nat. hist., III, p. 205. April 17, 1891.

TYPE LOCALITY. — La Carpintera, Costa Rica, or upper Mississippi Valley (see Merriam, North Amer. fauna, no. 10, p. 12, December 31, 1895).

Regarded by Merriam (North Amer. fauna, no. 10, p. 10, December 31, 1895) as identical with *B. brevicauda*, but this determination is questioned by Allen (Bull. Amer. mus. nat. hist., IX, p. 34, March 11, 1897).

Subgenus CRYPTOTIS Pomel.

1848. *Cryptotis* POMEL, Archiv. sci. phys. et nat. Genève, 4th ser., IX, p. 249. November, 1848. Type.—*Sorex cinereus* BACHMAN = *Sorex parvus* SAY.

*** Blarina parva** (Say).

1823. *Sorex parvus* SAY, Long's exped. Rocky Mts., I, p. 163.

1885. *Blarina cinerea* and *Sorex parvus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 606. 1885.

1895. *Blarina parva* MERRIAM, North Amer. fauna, no. 10, p. 17. December 31, 1895.

TYPE LOCALITY.— West bank of Missouri River, near Blair, formerly Engineer Cantonment, Washington County, Nebraska.

Blarina floridana Merriam.

1895. *Blarina floridana* MERRIAM, North Amer. fauna, no. 10, p. 19. December 31, 1895.

TYPE LOCALITY.— Chester Shoal, 11 miles north of Cape Canaveral, Brevard County, Florida.

Blarina berlandieri Baird.

1857. *Blarina berlandieri* BAIRD, Mamm. N. Amer., p. 53.

1895. *Blarina berlandieri* MERRIAM, North Amer. fauna, no. 10, p. 20. December 31, 1895.

TYPE LOCALITY.— Matamoras, State of Tamaulipas, Mexico.

Blarina tropicalis Merriam.

1895. *Blarina tropicalis* MERRIAM, North Amer. fauna, no. 10, p. 21. December 31, 1895.

TYPE LOCALITY.— Coban, Guatemala. Altitude, about 4400 feet.

Blarina orophila Allen.

1895. *Blarina (Soriciscus) orophila* ALLEN, Bull. Amer. mus. nat. hist., VII, p. 340. November 8, 1895.

TYPE LOCALITY.— Volcano of Irazú, Costa Rica.

Blarina soricina Merriam.

1895. *Blarina soricina* MERRIAM, North Amer. fauna, no. 10, p. 22. December 31, 1895.

TYPE LOCALITY.— Tlalpam, ten miles south of the city of Mexico, Mexico. Altitude, 7600 feet.

Blarina obscura Merriam.

1895. *Blarina obscura* MERRIAM, North Amer. fauna, no. 10, p. 23. December 31, 1895.

TYPE LOCALITY.—Tulancingo, State of Hidalgo, Mexico.
Altitude, 8500 feet.

* **Blarina mexicana** Coues.

1877. *Blarina (Soriciscus) mexicana* COUES, Bull. U. S. geol. and geogr. surv. terr., III, p. 652. May 15, 1877.

1885. *Blarina mexicana* TRUE, Proc. U. S. nat. mus., VII (1884), p. 606. 1885.

TYPE LOCALITY.—Jalapa, State of Vera Cruz, Mexico.

Blarina mexicana peregrina Merriam.

1895. *Blarina mexicana peregrina* MERRIAM, North Amer. fauna, no. 10, p. 24. December 31, 1895.

TYPE LOCALITY.—Mountains 15 miles west of Oaxaca, State of Oaxaca, Mexico. Altitude, 9500 feet.

Blarina mexicana goldmani Merriam.

1895. *Blarina mexicana goldmani* MERRIAM, North Amer. fauna, no. 10, p. 25. December 31, 1895.

TYPE LOCALITY.—Mountains near Chilpancingo, State of Guerrero, Mexico. Altitude, 10,000 feet.

Blarina mexicana machetes Merriam.

1895. *Blarina mexicana machetes* MERRIAM, North Amer. fauna, no. 10, p. 26. December 31, 1895.

TYPE LOCALITY.—Mountains near Ozolotepec, State of Oaxaca, Mexico. Altitude, 10,000 feet.

Blarina nelsoni Merriam.

1895. *Blarina nelsoni* MERRIAM, North Amer. fauna, no. 10, p. 26. December 31, 1895.

TYPE LOCALITY.—Volcano of Tuxtla, State of Vera Cruz, Mexico. Altitude, 4800 feet.

Blarina nigrescens Allen.

1895. *Blarina (Soriciscus) nigrescens* ALLEN, Bull. Amer. mus. nat. hist., VII, p. 339. November 8, 1895.

TYPE LOCALITY.—San Isidro (San José), Costa Rica.

Blarina alticola Merriam.

1895. *Blarina alticola* MERRIAM, North Amer. fauna, no. 10, p. 27. December 31, 1895.

TYPE LOCALITY.—Mount Popocatepetl, State of Mexico, Mexico. Altitude, 11,500 feet.

Blarina fossor Merriam.

1895. *Blarina fossor* MERRIAM, North Amer. fauna, no. 10, p. 28. December 31, 1895.

TYPE LOCALITY.—Mount Zempoaltepec, State of Oaxaca, Mexico. Altitude, 10,500 feet.

Blarina magna Merriam.

1895. *Blarina magna* MERRIAM, North Amer. fauna, no. 10, p. 28. December 31, 1895.

TYPE LOCALITY.—Totontepec, State of Oaxaca, Mexico. Altitude, 6800 feet.

Family **TALPIDAE**.Subfamily **TALPINAE**.Genus **SCALOPS** Illiger.¹

1811. *Scalops* ILLIGER, Prodr. syst. mamm. et avium, p. 126.
Type.—*Sorex aquaticus* LINNAEUS.

* **Scalops aquaticus** (Linnaeus).

1758. [*Sorex*] *aquaticus* LINNAEUS, Syst. nat., x ed., I, p. 53.

1825. *Scalops aquaticus* F. CUVIER, Dents des mamm., p. 251.

1885. *Scalops aquaticus aquaticus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 606. 1885.

TYPE LOCALITY.—Eastern United States.

* **Scalops aquaticus machrinus** (Rafinesque).

1832. *Talpa machrina* RAFINESQUE, Atlantic journal, I, p. 61.

1885. *Scalops aquaticus argentatus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 606. 1885.

¹ Revised by True, Proc. U. S. nat. mus., XIX, pp. 19-47. December 21, 1896.

1896. *Scalops aquaticus machrinus* TRUE, Proc. U. S. nat. mus., XIX, p. 20. December 21, 1896.

TYPE LOCALITY. — Near Lexington, Fayette County, Kentucky.

Regarded by Elliot (Field Columbian mus., publication 37, zool. ser., I, p. 280, May 9, 1899) as a distinct species.

Scalops aquaticus intermedius (Elliot).

1899. *Scalops machrinus intermedius* ELLIOT, Field Columbian mus., publication 37, zool. ser., I, p. 280. May 9, 1899.

TYPE LOCALITY. — Alva, Woods County, Oklahoma Territory.

Scalops aquaticus aereus (Bangs).

1896. *Scalops texanus aereus* BANGS, Proc. biol. soc. Washington, X, p. 138. December 28, 1896.

TYPE LOCALITY. — Stilwell, Boston Mountains, Indian Territory.

Scalops aquaticus australis Chapman.

1893. *Scalops aquaticus australis* CHAPMAN, Bull. Amer. mus. nat. hist., V, p. 339. December 22, 1893.

TYPE LOCALITY. — Gainesville, Alachua County, Florida.

Scalops aquaticus texanus (Allen).

1891. *Scalops argentatus texanus* ALLEN, Bull. Amer. mus. nat. hist., III, p. 221. April 29, 1891.

1896. *Scalops aquaticus texanus* TRUE, Proc. U. S. nat. mus., XIX, p. 21. December 21, 1896.

TYPE LOCALITY. — Texas; "given by Dr. J. A. Allen as Presidio County, Texas, but believed to be Aransas County" (see True, Proc. U. S. nat. mus., XIX, p. 22, December 21, 1896).

Scalops anastasae Bangs.

1898. *Scalops anastasae* BANGS, Proc. Boston soc. nat. hist., XXVIII, p. 212. March, 1898.

TYPE LOCALITY. — Point Romo, Anastasia Island, St. John County, Florida.

Genus **SCAPANUS** Pomel.¹

1848. *Scapanus* POMEL, Archiv. sci. phys. nat. Genève, 4th ser. ix, p. 247. Type.—By elimination, *Scalops townsendii* BACHMAN.

* **Scapanus townsendii** (Bachman).

1839. *Scalops townsendii* BACHMAN, Journ. acad. nat. sci., Phila., VIII, pt. 1, p. 58.

1848. *Scapanus tow[n]sendii* POMEL, Archiv. sci. phys. nat. Genève, 4th ser., ix, p. 247.

1885. *Scapanus townsendii* TRUE, Proc. U. S. nat. mus., VII (1884), p. 607. 1885.

TYPE LOCALITY.—Vicinity of Vancouver, Clarke County, Washington (see True, Proc. U. S. nat. mus., XIX, p. 63, December 21, 1896).

Scapanus orarius True.

1896. *Scapanus orarius* TRUE, Proc. U. S. nat. mus., XIX, p. 52. December 21, 1896.

TYPE LOCALITY.—Shoalwater Bay, Pacific County, Washington.

Scapanus californicus (Ayres):

1855. *Scalops californicus* AYRES, Proc. California acad. nat. sci., I, p. 54.

1896. *Scapanus californicus* TRUE, Proc. U. S. nat. mus., XIX, p. 52. December 21, 1896.

TYPE LOCALITY.—San Francisco, California.

Scapanus californicus minusculus Bangs.

1899. *Scapanus californicus minusculus* BANGS, Proc. New England zool. club, I, p. 70. July 31, 1900.

TYPE LOCALITY.—Fyffe, El Dorado County, California.

Scapanus alpinus Merriam.

1897. *Scapanus alpinus* MERRIAM, Proc. biol. soc. Washington, XI, p. 102. April 26, 1897.

TYPE LOCALITY.—Crater Lake, Mount Mazama, Klamath County, Oregon. Altitude, 7000 feet.

¹ Revised by True, Proc. U. S. nat. mus., XIX, pp. 47-67. December 21, 1896.

Scapanus truei Merriam.

1897. *Scapanus truei* MERRIAM, Proc. biol. soc. Washington, xi, p. 102. April 26, 1897.

TYPE LOCALITY. — Lake City, Modoc County, California.

Scapanus anthonyi Allen.

1893. *Scapanus anthonyi* ALLEN, Bull. Amer. mus. nat. hist., v, p. 200. August 18, 1893.

TYPE LOCALITY. — San Pedro Martir Mountains, Lower California, Mexico. Altitude, 7000 feet.

Genus **PARASCALOPS** True.¹

1894. *Parascalops* TRUE, Diagnoses of new North American mammals, p. 2. April 26, 1894. (Reprint: Proc. U. S. nat. mus., xvii, p. 242. November 15, 1894.) Type. — *Scalops breweri* BACHMAN.

* **Parascalops breweri** (Bachman).

1844. *Scalops breweri* BACHMAN, Boston journ. nat. hist., iv, p. 32.

1885. *Scapanus breweri* TRUE, Proc. U. S. nat. mus., vii (1884), p. 606. 1885.

1895. *Parascalops breweri* TRUE, Science, n. s., i, p. 101. January 25, 1895.

TYPE LOCALITY. — Unknown; type supposed by Bachman to have been taken on the island of Marthas Vineyard, Massachusetts, a locality where the animal probably does not occur.

¹ Revised by True, Proc U. S. nat. mus., xix, pp. 67-77. December 21, 1896.

Genus **CONDYLURA** Illiger.¹

1811. *Condylura* ILLIGER, Prodr. syst. mamm. et avium, p. 125. Type. — *Sorex cristatus* LINNAEUS.

* **Condylura cristata** (Linnaeus).

1758. [*Sorex*] *cristatus* LINNAEUS, Syst. nat., x ed., 1, p. 53.

1819. *Condylura cristata* DESMAREST, Journ. de phys., LXXXIX, p. 230.

1885. *Condylura cristata* TRUE, Proc. U. S. nat. mus., VII (1884), p. 607. 1885.

TYPE LOCALITY. — Pennsylvania.

Subfamily MYGALINAE.

Genus **NEUROTRICHUS** Günther.²

1880. *Neurotrichus* GÜNTHER, Proc. zool. soc. London, p. 441. Type. — *Urotrichus gibbsii* BAIRD.

* **Neurotrichus gibbsii** (Baird).

1857. *Urotrichus gibbsii* BAIRD, Mamm. N. Amer., p. 76.

1880. *Neurotrichus gibbsii* GÜNTHER, Proc. zool. soc. London, pl. XLII.

1885. *Neurotrichus gibbsii* TRUE, Proc. U. S. nat. mus., VII (1884), p. 607. 1885.

TYPE LOCALITY. — White River Pass, north of Mount Rainier, Pierce County, Washington.

¹ Revised by True, Proc. U. S. nat. mus., XIX, pp. 77-98. December 21, 1896.

² Revised by True, Proc. U. S. nat. mus., XIX, pp. 98-106. December 21, 1896.

Neurotrichus gibbsii hyacinthinus Bangs.

1897. *Neurotrichus gibbsii hyacinthinus* BANGS, Amer. nat.,
XXXI, p. 240. March, 1897.

TYPE LOCALITY. — Nicasio, Marin County, California.

Neurotrichus gibbsii major Merriam.

1899. *Neurotrichus gibbsii major* MERRIAM, North Amer.
fauna, no. 16, p. 88. October 28, 1899.

TYPE LOCALITY. — Carberry Ranch, between Mount Shasta
and Mount Lassen, Shasta County, California. Altitude,
4100 feet.

Family **SOLENOTODONTIDAE**.

Genus **SOLENOTODON** Brandt.

1833. *Solenodon* BRANDT, Mém. acad. imp. sci., St. Pétersbourg,
6th ser., II, p. 459. Type. — *Solenodon paradoxus* BRANDT.

* **Solenodon paradoxus** Brandt.

1833. [*Solenodon*] *paradoxus* BRANDT, Mém. acad. imp. sci.,
St. Pétersbourg, 6th ser., II, p. 459.

1885. *Solenodon paradoxus* TRUE, Proc. U. S. nat. mus., VII
(1884), p. 607. 1885.

TYPE LOCALITY. — Hayti.

* **Solenodon cubanus** Peters.

1863. *Solenodon cubanus* PETERS, Abhandl. k. preuss. Akad.
Wissensch. Berlin, p. 2.

1885. *Solenodon cubanus* TRUE, Proc. U. S. nat. mus., VII
(1884), p. 607. 1885.

TYPE LOCALITY. — Cuba.

Order CHIROPTERA.

Suborder MICROCHIROPTERA.

Family VESPERTILIONIDAE.

Subfamily VESPERTILIONINAE.

Genus **MYOTIS** Kaup.¹

1829. *Myotis* KAUP, Skizzirte Entw.-Gesch. u. natürl. Syst. der europ. Thierw., I, p. 106. Type. — *Vespertilio myotis* BECHSTEIN.

* **Myotis velifer** (J. A. Allen).

1885. *Vespertilio albescens* TRUE, Proc. U. S. nat. mus., VII (1884), p. 603. 1885. (Part.)

1890. *Vespertilio velifer* J. A. ALLEN, Bull. Amer. mus. nat. hist., III, p. 177. December 10, 1890.

1897. *Myotis velifer* MILLER, North Amer. fauna, no. 13, p. 56. October 16, 1897.

TYPE LOCALITY. — Santa Cruz del Valle, near Guadalajara, State of Jalisco, Mexico.

Myotis peninsularis Miller.

1898. *Myotis peninsularis* MILLER, Ann. and mag. nat. hist., 7th ser., II, p. 124. August, 1898.

TYPE LOCALITY. — San José del Cabo, Lower California, Mexico.

* **Myotis lucifugus** (Le Conte).

1831. *V[espertilio] lucifugus* LE CONTE, McMurtrie's Cuvier, Animal kingdom, I, p. 431.

1885. *Vespertilio lucifugus* and *Vespertilio carolii* TRUE, Proc. U. S. nat. mus., VII (1884), p. 603. 1885.

¹ Revised by Miller, North Amer. fauna, no. 13, pp. 55-85. October 16, 1897.

1897. *Myotis lucifugus* MILLER, North Amer. fauna, no. 13, p. 59. October 16, 1897.

TYPE LOCALITY. — Georgia; probably the Le Conte plantation, near Riceboro, Liberty County.

Myotis lucifugus alascensis Miller.

1897. *Myotis lucifugus alascensis* MILLER, North Amer. fauna, no. 13, p. 63. October 16, 1897.

TYPE LOCALITY. — Sitka, Alaska.

Myotis lucifugus longicrus (True).

1886. *Vespertilio longicrus* TRUE, Science, VIII, p. 588. December 24, 1886.

1897. *Myotis lucifugus longicrus* MILLER, North Amer. fauna, no. 13, p. 64. October 16, 1897.

TYPE LOCALITY. — Puget Sound, Washington.

Myotis yumanensis (H. Allen).

1864. *Vespertilio yumanensis* H. ALLEN, Monogr. bats N. Amer., p. 58, Junè, 1864.

1897. *Myotis yumanensis* MILLER, North Amer. fauna, no. 13, p. 66. October 16, 1897.

TYPE LOCALITY. — Old Fort Yuma, San Diego County, California.

Myotis yumanensis saturatus Miller.

1897. *Myotis yumanensis saturatus* MILLER, North Amer. fauna, no. 13, p. 68. October 16, 1897.

TYPE LOCALITY. — Hamilton, Skagit County, Washington.

* **Myotis californicus** (Audubon and Bachman).

1842. *Vespertilio californicus* AUDUBON and BACHMAN, Journ. acad. nat. sci. Phila., VIII, pt. II, p. 285.

1885. *Vespertilio nitidus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 602. 1885.

1897. *Myotis californicus* MILLER, North Amer. fauna, no. 13, p. 69. October 16, 1897.

TYPE LOCALITY. — California.

Myotis californicus pallidus Stephens.

1900. *Myotis californicus pallidus* STEPHENS, Proc. biol. soc. Washington, XIII, p. 153. June 13, 1900.

TYPE LOCALITY. — Vallecito, San Diego County, California.

Myotis californicus caurinus Miller.

1897. *Myotis californicus caurinus* MILLER, North Amer. fauna, no. 13, p. 72. October 16, 1897.

TYPE LOCALITY.—Masset, Graham Island, Queen Charlotte Islands, British Columbia, Canada.

Myotis californicus ciliolabrum (Merriam).

1886. *Vespertilio ciliolabrum* MERRIAM, Proc. biol. soc. Washington, iv, p. 2. December 17, 1886.

1897. *Myotis californicus ciliolabrum* MILLER, North Amer. fauna, no. 13, p. 72. October 16, 1897.

TYPE LOCALITY.—Near Banner, Trego County, Kansas, in bluff on Hackberry Creek about one mile from Castle Rock.

Myotis californicus mexicanus (Saussure).

1860. *V[espertilio] mexicanus* SAUSSURE, Revue et magasin de zoologie, 2d ser., xii, p. 282. July, 1860.

1897. *Myotis californicus mexicanus* MILLER, North Amer. fauna, no. 13, p. 73. October 16, 1897.

TYPE LOCALITY.—Exact locality unknown, probably somewhere in Vera Cruz, Puebla, or Oaxaca, Mexico.

* **Myotis nigricans** (Wied).

1826. *V[espertilio] nigricans* WIED, Beiträge zur Naturgesch. Brasilien, II, p. 266.

1885. *Vespertilio nigricans* TRUE, Proc. U. S. nat. mus., VII (1884), p. 602. 1885. (Part.)

1897. *Myotis nigricans* MILLER, North Amer. fauna, no. 13, p. 74. October 16, 1897.

TYPE LOCALITY.—Fazenda de Aga, near the Iritiba River, southeastern Brazil.

* **Myotis subulatus** (Say).

1823. *V[espertilio] subulatus* SAY, Long's exped. Rocky Mts., II, p. 65.

1885. *Vespertilio subulatus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 603. 1885.

1897. *Myotis subulatus* MILLER, North Amer. fauna, no. 13, p. 75. October 16, 1897.

TYPE LOCALITY.—Arkansas River, near La Junta, Otero County, Colorado.

Myotis subulatus keenii (Merriam).

1895. *Vespertilio subulatus keenii* MERRIAM, Amer. nat., XXIX, p. 860. September, 1895.

1897. *Myotis subulatus keenii* MILLER, North Amer. fauna, no. 13, p. 77. October 16, 1897.

TYPE LOCALITY. — Massett, Graham Island, Queen Charlotte Islands, British Columbia, Canada.

* **Myotis evotis** (H. Allen).

1864. *Vespertilio evotis* H. ALLEN, Monogr. bats N. Amer., p. 48. June, 1864.

1885. *Vespertilio evotis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 602. 1885.

1897. *Myotis evotis* MILLER, North Amer. fauna, no. 13, p. 77. October 16, 1897.

TYPE LOCALITY. — Monterey, Monterey County, California.

Myotis thysanodes Miller.

1897. *Myotis thysanodes* MILLER, North Amer. fauna, no. 13, p. 80. October 16, 1897.

TYPE LOCALITY. — Old Fort Tejon, in mountains south of Kern Lake, Kern County, California.

Genus **LASIONYCTERIS** Peters.¹

1866. *Lasionycteris* PETERS, Monatsber. k. preuss. Akad. Wissensch. Berlin (1865), p. 648. Type. — *Vespertilio noctivagans* LE CONTE.

* **Lasionycteris noctivagans** (Le Conte).

1831. *V[espertilio] noctivagans* LE CONTE, McMurtries' Cuvier, Animal kingdom, I, p. 431.

1885. *Vesperugo noctivagans* TRUE, Proc. U. S. nat. mus., VII (1884), p. 602. 1885.

1894. *Lasionycteris noctivagans* H. ALLEN, Monogr. bats N. Amer., p. 105. (1893). March 14, 1894.

TYPE LOCALITY. — Eastern United States.

¹ Revised by Miller, North Amer. fauna, no. 13, pp. 85-87. October 16, 1897.

Genus **PIPISTRELLUS** Kaup.¹

1829. *Pipistrellus* KAUP, Skizzirte Entw.-Gesch. u. natürl. Syst. der europ. Thierw., I, p. 98. Type.—*Vespertilio pipistrellus* SCHREBER.

* **Pipistrellus hesperus** (H. Allen).

1864. *Scotophilus hesperus* H. ALLEN, Monogr. bats N. Amer., p. 43. June, 1864.

1885. *Vesperugo hesperus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 602. 1885.

1897. *Pipistrellus hesperus* MILLER, North Amer. fauna, no. 13, p. 88. October 16, 1897.

TYPE LOCALITY.—Old Fort Yuma, San Diego County, California.

Pipistrellus hesperus australis Miller.

1897. *Pipistrellus hesperus australis* MILLER, North Amer. fauna, no. 13, p. 90. October 16, 1897.

TYPE LOCALITY.—Barranca Ibarra, State of Jalisco, Mexico.

* **Pipistrellus subflavus** (F. Cuvier).

1832. *V[espertilio] subflavus* F. CUVIER, Nouv. ann. mus. d'hist. nat., Paris, I, p. 17.

1885. *Vesperugo georgianus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 602. 1885.

1897. *Pipistrellus subflavus* MILLER, North Amer. fauna, no. 13, p. 90. October 16, 1897.

TYPE LOCALITY.—Eastern United States, probably Georgia.

Pipistrellus subflavus obscurus Miller.

1897. *Pipistrellus subflavus obscurus* MILLER, North Amer. fauna, no. 13, p. 93. October 16, 1897.

TYPE LOCALITY.—Lake George, Warren County, New York.

Pipistrellus veraecrucis (Ward).

1891. *Vesperugo veraecrucis* WARD, Amer. nat., XXV, p. 745. August, 1891.

1897. *Pipistrellus veraecrucis* MILLER, North Amer. fauna, no. 13, p. 93. October 16, 1897.

TYPE LOCALITY.—Las Vigas, Jalapa, State of Vera Cruz, Mexico.

¹ Revised by Miller, North Amer. fauna, no. 13, pp. 87-95. October 16, 1897.

Genus **EPTESICUS** Rafinesque.¹

1820. *Eptesicus* RAFINESQUE, Annals of nature, p. 2. Type.—*Eptesicus melanops* RAFINESQUE = *Vespertilio fuscus* BEAUVOIS.

For use of this name in place of *Vespertilio* LINNAEUS (Syst. nat., x ed., I, p. 31, 1758), see Méhely, Magyarország denevéreinek monographiája (Monographia chiropterorum Hungariae), pp. 206, 338, 1900.

* **Eptesicus fuscus** (Beauvois).

1796. *Vespertila* (sic) *fuscus* BEAUVOIS, Catal. Peale's museum, Philadelphia, p. 14.

1885. *Vesperugo serotinus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 602. 1885. (Part.)

1900. *Eptesicus fuscus* MÉHELY, Magyarország denevéreinek monographiája (Monographia chiropterorum Hungariae), p. 208.

TYPE LOCALITY. — Philadelphia, Pennsylvania.

Eptesicus fuscus miradorensis (H. Allen).

1866. *S[cotophilus] miradorensis* H. ALLEN, Proc. acad. nat. sci. Phila., p. 287.

1897. *Vespertilio fuscus miradorensis* MILLER, North Amer. fauna, no. 13, p. 99. October 16, 1897.

TYPE LOCALITY. — Mirador, State of Vera Cruz, Mexico.

Eptesicus fuscus propinquus (Peters).

1872. *Vesperus propinquus* PETERS, Monatsber. k. preuss. Akad. Wissensch. Berlin, p. 262.

1897. *Vespertilio fuscus propinquus* MILLER, North Amer. fauna, no. 13, p. 100. October 16, 1897.

TYPE LOCALITY. — Santa Isabel, Guatemala.

Eptesicus fuscus bahamensis (Miller).

1897. *Vespertilio fuscus bahamensis* MILLER, North Amer. fauna, no. 13, p. 101. October 16, 1897.

TYPE LOCALITY. — Nassau, New Providence, Bahamas.

¹ Revised by Miller, North Amer. fauna, no. 13, pp. 95-104. October 16, 1897.

Eptesicus fuscus cubensis (Gray).

1839. *Scotophilus cubensis* GRAY, Ann. nat. hist., iv, p. 7. September, 1839.

1892. *Vesperugo fuscus cubensis* CHAPMAN, Bull. Amer. mus. nat. hist., iv, p. 316. December 29, 1892.

TYPE LOCALITY. — Cuba.

Eptesicus fuscus peninsulæ (Thomas).

1898. *Vespertilio fuscus peninsulæ* THOMAS, Ann. and mag. nat. hist., 7th ser., i, p. 43. January, 1898.

TYPE LOCALITY. — Sierra Laguna, Lower California, Mexico.

Eptesicus gaumeri (J. A. Allen).

1897. *Adelonycteris gaumeri* J. A. ALLEN, Bull. Amer. mus. nat. hist., ix, p. 231. September 28, 1897.

TYPE LOCALITY. — Izamal, Yucatan.

Eptesicus albigularis (Peters).

1872. *Vesperus (Marsipolaemus) albigularis* PETERS, Monatsber. k. preuss. Akad. Wissensch. Berlin, p. 260.

1897. *Vespertilio albigularis* MILLER, North Amer. fauna, no. 13, p. 104. October 16, 1897.

TYPE LOCALITY. — The type was supposed to have been taken in Mexico.

Regarded by Méhely (Magyarország denevéreinek monographiája, pp. 207, 339, 1900) as identical with the European *Vespertilio murinus*.

Genus **LASIURUS** Gray.¹

1831. *Lasiurus* GRAY, Zool. miscell., no. 1, p. 38. Type.— The name was based on the American hairy-tailed bats, of which *Lasiurus borealis* may be regarded as typical.

* **Lasiurus borealis** (Müller).

1776. *Vespertilio borealis* MÜLLER, Natursyst., Suppl., p. 21.

¹ Revised by Miller, North Amer. fauna, no. 13, pp. 105-115. October 16, 1897.

1885. *Atalapha noveboracensis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 602. 1885.

1897. *Lasiurus borealis* MILLER, North Amer. fauna, no. 13, p. 105. October 16, 1897.

TYPE LOCALITY. — New York.

Lasiurus borealis seminolus (Rhoads).

1895. *Atalapha borealis seminola* RHOADS, Proc. acad. nat. sci. Phila., p. 32. March 19, 1895.

1897. *Lasiurus borealis seminolus* MILLER, North Amer. fauna, no. 13, p. 109. October 16, 1897.

TYPE LOCALITY. — Tarpon Springs, Hillsboro County, Florida.

Lasiurus borealis pfeifferi (Gundlach).

1861. *Atalapha pfeifferi* GUNDLACH, Monatsber. k. preuss. Akad. Wissensch. Berlin, p. 152.

1897. *Lasiurus borealis pfeifferi* MILLER, North Amer. fauna, no. 13, p. 110. October 16, 1897.

TYPE LOCALITY. — Cuba.

Regarded by J. A. Allen (Proc. biol. soc. Washington, XIII, p. 165, October 31, 1900) as a distinct species.

Lasiurus borealis teliotis (H. Allen).

1891. *Atalapha teliotis* H. ALLEN, Proc. Amer. philos. soc., XXIX, p. 5. April 10, 1891.

1897. *Lasiurus borealis teliotis* MILLER, North Amer. fauna, no. 13, p. 110. October 16, 1897.

TYPE LOCALITY. — Unknown, probably some part of California.

Lasiurus borealis mexicanus (Saussure).

1861. *A[atalapha] mexicana* SAUSSURE, Revue et magasin de zoologie, 2d ser., XIII, p. 97. March, 1861.

1897. *Lasiurus borealis mexicanus* MILLER, North Amer. fauna, no. 13, p. 111. October 16, 1897.

TYPE LOCALITY. — Probably in Vera Cruz, Puebla, or Oaxaca, Mexico.

* **Lasiurus cinereus** (Beauvois).

1796. *Vespertilio cinereus* BEAUVOIS, Catal. Peale's museum, Philadelphia, p. 15.

1864. *Lasiurus cinereus* H. ALLEN, Monogr. bats N. Amer., p. 21. June, 1864.

1885. *Atalapha cinerea* TRUE, Proc. U. S. nat. mus., VII (1884), p. 602. 1885.

1897. *Lasiurus cinereus* MILLER, North Amer. fauna, no. 13, p. 112. October 16, 1897.

TYPE LOCALITY. — Philadelphia, Pennsylvania.

Genus **DASYPTERUS** Peters.¹

1871. *Dasypterus* PETERS, Monatsber. k. preuss. Akad. Wissenschaft. Berlin (1870), p. 912. Type. — *Lasiurus intermedius* H. ALLEN.

* **Dasypterus intermedius** (H. Allen).

1862. *Lasiurus intermedius* H. ALLEN, Proc. acad. nat. sci. Phila., p. 246.

1885. *Atalapha intermedia* TRUE, Proc. U. S. nat. mus., VII (1884), p. 602. 1885.

1894. *Dasypterus intermedius* H. ALLEN, Monogr. bats N. Amer., p. 137. (1893) March 14, 1894.

TYPE LOCALITY. — Matamoras, State of Tamaulipas, Mexico.

Dasypterus ega xanthinus Thomas.

1897. *Dasypterus ega xanthinus* THOMAS, Ann. and mag. nat. hist., 6th ser., XX, p. 544. December, 1897.

TYPE LOCALITY. — Sierra Laguna, Lower California, Mexico.

Genus **NYCTICEIUS** Rafinesque.²

1819. *Nycticeius* RAFINESQUE, Journ. de physique, LXXXVIII, p. 417. June, 1819. Type. — By elimination, *Vespertilio humeralis* RAFINESQUE.

¹ Revised by Miller, North Amer. fauna, no. 13, pp. 115-118. October 16, 1897.

² Revised by Miller, North Amer. fauna, no. 13, pp. 118-121. October 16, 1897.

* **Nycticeius humeralis** (Rafinesque).

1818. *Vespertilio humeralis* RAFINESQUE, American monthly magazine, III, p. 445. October, 1818.

1819. *N[ycticeius] humeralis* RAFINESQUE, Journ. de physique, LXXXVIII, p. 417. June, 1819.

1885. *Nycticejus crepuscularis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 602. 1885.

TYPE LOCALITY. — Kentucky.

Nycticeius humeralis cubanus (Gundlach).

1861. *Vesperus cubanus* GUNDLACH, Monatsber. k. preuss. Akad. Wissensch. Berlin, p. 150.

1897. *Nycticeius humeralis cubanus* MILLER, North Amer. fauna, no. 13, p. 120. October 16, 1897.

TYPE LOCALITY. — Near Cardenas, Cuba.

Genus **RHOGEESSA** H. Allen.¹

1866. *Rhogeessa* H. ALLEN, Proc. acad. nat. sci. Phila., p. 285.
Type. — *Rhogeessa tumida* H. ALLEN.

* **Rhogeessa tumida** H. Allen.

1866. *Rhogeessa tumida* H. ALLEN, Proc. acad. nat. sci. Phila., p. 286.

1885. *Vesperugo parvulus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 602. 1885.

1897. *Rhogeessa tumida* MILLER, North Amer. fauna, no. 13, p. 123. October 16, 1897.

TYPE LOCALITY. — Mirador, State of Vera Cruz, Mexico.

Rhogeessa parvula H. Allen.

1866. *Rhogeessa parvula* H. ALLEN, Proc. acad. nat. sci. Phila., p. 285.

1897. *Rhogeessa parvula* MILLER, North Amer. fauna, no. 13, p. 125. October 16, 1897.

TYPE LOCALITY. — Tres Marias Islands, State of Jalisco, Mexico.

¹ Revised by Miller, North Amer. fauna, no. 13, pp. 122-129. October 16, 1897.

Rhogeessa gracilis Miller.

1897. *Rhogeessa gracilis* MILLER, North Amer. fauna, no. 13, p. 126. October 16, 1897.

TYPE LOCALITY. — Piaxtla, State of Puebla, Mexico.

Rhogeessa alleni Thomas.

1892. *Rhogeessa alleni* THOMAS, Ann. and mag. nat. hist., 6th ser., x, p. 477. December, 1892.

TYPE LOCALITY. — Santa Rosalia, near Autlan, State of Jalisco, Mexico.

Subfamily PLECOTINAE.

Genus **EUDERMA** H. Allen.¹

1892. *Euderma* H. ALLEN, Proc. acad. nat. sci. Phila. (1891), p. 467. January 19, 1892. Type.—*Histiotus maculatus* J. A. ALLEN.

Euderma maculatum (J. A. Allen).

1891. *Histiotus maculatus* J. A. ALLEN, Bull. Amer. mus. nat. hist., III, p. 195. February 20, 1891.

1894. *Euderma maculata* H. ALLEN, Monogr. bats N. Amer., p. 61. (1893) March 14, 1894.

TYPE LOCALITY.—Near Piru, Ventura County, California.

Genus **CORYNORHINUS** H. Allen.²

1865. *Corynorhinus* H. ALLEN, Proc. acad. nat. sci. Phila., p. 173. Type.—*Plecotus macrotis* LE CONTE.

¹ Revised by Miller, North Amer. fauna, no. 13, pp. 46-49. October 16, 1897.

² Revised by Miller, North Amer. fauna, no. 13, pp. 49-54. October 16, 1897.

Corynorhinus macrotis (Le Conte).

1831. *Plec[otus] macrotis* LE CONTE, McMurtries' Cuvier, Animal kingdom, I, p. 431.

1865. *C[orynorhinus] macrotis* H. ALLEN, Proc. acad. nat. sci. Phila., p. 174.

TYPE LOCALITY.— Georgia; probably the Le Conte plantation, near Riceboro, Liberty County.

Inadvertently omitted from True's list.

Corynorhinus macrotis pallescens Miller.

1897. *Corynorhinus macrotis pallescens* MILLER, North Amer. fauna, no. 13, p. 52. October 16, 1897.

TYPE LOCALITY.— Keam Canyon, Navájo County, Arizona.

Corynorhinus macrotis townsendii (Cooper).

1848. *Plecotus townsendii* COOPER, Ann. lyc. nat. hist. New York, IV, p. 73.

1897. *Corynorhinus macrotis townsendii* MILLER, North Amer. fauna, no. 13, p. 53. October 16, 1897.

TYPE LOCALITY.— Columbia River, Oregon.

Subfamily ANTROZOINAE.

Genus **ANTROZOUS** H. Allen.¹

1862. *Antrozous* H. ALLEN, Proc. acad. nat. sci. Phila., p. 248. Type.— *Vespertilio pallidus* LE CONTE.

* **Antrozous pallidus** (Le Conte).

1856. *V[espertilio] pallidus* LE CONTE, Proc. acad. nat. sci. Phila., VII, p. 437.

1864. *Antrozous pallidus* H. ALLEN, Monogr. bats N. Amer., p. 68. June, 1864.

¹ Revised by Miller, North Amer. fauna, no. 13, pp. 42-46. October 16, 1897.

1885. *Antrozous pallidus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 602. 1885. (Part.)

TYPE LOCALITY. — El Paso, El Paso County, Texas.

Antrozous pallidus pacificus Merriam.

1897. *Antrozous pallidus pacificus* MERRIAM, Proc. biol. soc. Washington, XI, p. 180. July 1, 1897.

TYPE LOCALITY. — Old Fort Tejon, in mountains south of Kern Lake, Kern County, California.

Family **NOCTILIONIDAE**.

For use of this name in place of *Emballonuridae*, see Palmer, Proc. biol. soc. Washington, XII, p. 109-110, April 30, 1898.

Subfamily **EMBALLONURINAE**.

Genus **RHYNCHONYCTERIS** Peters.

1867. *Rhynchonycteris* PETERS, Monatsber. k. preuss. Akad. Wissensch. Berlin, p. 477. Type. — *Vespertilio naso* WIED.

* **Rhynchonycteris naso** (Wied).

1821. *Vespertilio naso* WIED, Schinz's Thierreich, I, p. 179.

1867. *Rhynchonycteris naso* PETERS, Monatsber. k. preuss. Akad. Wissensch. Berlin, p. 487.

1885. *Rhynchonycteris naso* TRUE, Proc. U. S. nat. mus., VII (1884), p. 603. 1885.

TYPE LOCALITY. — East coast of Brazil.

Genus **SACCOPTERYX** Illiger.

1811. *Saccopteryx* ILLIGER, Prodr. syst. mamm. et avium, p. 121.
Type. — *Vespertilio lepturus* SCHREBER.

Subgenus SACCOPTERYX Illiger.

* **Saccopteryx bilineata** (Temminck).

1838. *Urocryptus bilineatus* TEMMINCK, Van der Hoeven's
tijdsch. voor natuurl. gesch. en physiol., v, p. 33.

1867. *Saccopteryx bilineata* PETERS, Monatsber. k. preuss.
Akad. Wissensch. Berlin, p. 471.

1885. *Saccopteryx bilineata* TRUE, Proc. U. S. nat. mus., VII
(1884), p. 603. 1885.

TYPE LOCALITY. — Surinam.

Subgenus BALANTIOPTERYX Peters.

1867. *Balantiopteryx* PETERS, Monatsber. k. preuss. akad. Wis-
sensch. Berlin, p. 476. Type. — *Balantiopteryx plicata* PETERS.

* **Saccopteryx plicata** (Peters).

1867. *Balantiopteryx plicata* PETERS, Monatsber. k. preuss.
Akad. Wissensch. Berlin, p. 476.

1878. *Saccopteryx plicata* DOBSON, Catal. chiropt. Brit. mus.,
p. 376.

1885. *Saccopteryx plicata* TRUE, Proc. U. S. nat. mus., VII
(1884), p. 603. 1885.

TYPE LOCALITY. — Puento Arenas, Costa Rica.

Saccopteryx infusca Thomas.

1897. *Saccopteryx infusca* THOMAS, Ann. and mag. nat. hist.,
6th ser., xx, p. 546. December, 1897.

TYPE LOCALITY. — Cachavi, northern Ecuador.

Genus **PEROPTERYX** Peters.

1867. *Peropteryx* PETERS, Monatsber. k. preuss. Akad. Wissensch. Berlin, p. 472. Type. — *Vespertilio canina* WIED.

Recognized as a genus distinct from *Saccopteryx* by Miller, Bull. Amer. mus. nat. hist., XII, p. 178, October 20, 1899.

* **Peropteryx canina** (Wied).

1821. *Vespertilio caninus* WIED, Schinz's Thierreich, I, p. 179.

1867. *Peropteryx canina* PETERS, Monatsber. k. preuss. Akad. Wissensch. Berlin, p. 472.

1885. *Saccopteryx canina* TRUE, Proc. U. S. nat. mus., VII (1884), p. 602. 1885.

1899. *Peropteryx canina* MILLER, Bull. Amer. mus. nat. hist., XII, p. 178. October 20, 1899.

TYPE LOCALITY. — East coast of Brazil.

Genus **DICLIDURUS** Wied.

1819. *Diclidurus* WIED, Isis, p. 1629. Type. — *Diclidurus albus* WIED.

* **Diclidurus albus** Wied.

1819. *Diclidurus albus* WIED, Isis, p. 1630.

1885. *Diclidurus albus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 603. 1885.

TYPE LOCALITY. — East coast of Brazil, at mouth of Rio Pardo.

Subfamily NOCTILIONINAE.

Genus **NOCTILIO** Linnaeus.

1766. *Noctilio* LINNAEUS, Syst. nat., XII ed., I, p. 88. Type. — *Noctilio americanus* LINNAEUS = *Vespertilio leporinus* LINNAEUS.

* **Noctilio leporinus mastivus** (Dahl).

1797. *Vespertilio mastivus* DAHL, Skifter af naturhist. Selskabet, Kjöbenhavn, iv, p. 132.

1885. *Noctilio leporinus mastivus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 603. 1885.

TYPE LOCALITY. — Island of St. Croix, West Indies.

Subfamily MOLOSSINAE.

Genus **MOLOSSUS** E. Geoffroy.

1805. *Molossus* E. GEOFFROY, Ann. mus. d'hist. nat., Paris, vi, p. 151. Type.— By elimination, *Molossus rufus* E. GEOFFROY.

* **Molossus rufus** E. Geoffroy.

1805. *Molossus rufus* E. GEOFFROY, Ann. mus. d'hist. nat., Paris, vi, p. 155.

1885. *Molossus rufus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 603. 1885.

TYPE LOCALITY. — Paraguay.

Molossus rufus obscurus (E. Geoffroy).

1805. *Molossus obscurus* E. GEOFFROY, Ann. mus. d'hist. nat., Paris, vi, p. 155.

1897. [*Molossus rufus*] *obscurus* TROUËSSART, Catal. mamm., pt. I, p. 143.

TYPE LOCALITY. — Paraguay.

Regarded by Miller (Proc. biol. soc. Washington, XIII, p. 162, October 31, 1900) as a distinct species.

Genus **PROMOPS** Gervais.

1855. *Promops* GERVAIS, Expéd. du Comte de Castelnau, zool., mamm., p. 58. Type. — *Promops ursinus* GERVAIS = *Molossus nasutus* SPIX.

* **Promops abrasus** (Temminck).1827. *Dysops abrasus* TEMMINCK, Monogr. mamm., I, p. 232.1885. *Molossus abrasus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 603. 1885.1900. *P[romops] abrasus* J. A. ALLEN, Bull. Amer. mus. nat. hist., XIII, p. 92. May 12, 1900.

TYPE LOCALITY. — Interior of Brazil.

Promops californicus (Merriam).1890. *Molossus californicus* MERRIAM, North Amer. fauna, no. 4, p. 31. October 8, 1890.

TYPE LOCALITY. — Alhambra, Los Angeles County, California.

Regarded by H. Allen (Monogr. bats N. Amer., p. 175, 1894) as a form of *Promops perotis*.**Promops nanus** Miller.1900. *Promops nanus* MILLER, Ann. and mag. nat. hist., 7th ser., VI, p. 470. November, 1900.

TYPE LOCALITY. — Bogava, Chiriqui, Panama. Altitude, 800 feet.

* **Promops nasutus** (Spix).1823. *Molossus nasutus* SPIX, Simiar. et vespert. Brasil., p. 60.1885. *Molossus nasutus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 603. 1885.1900. *Promops nasutus* J. A. ALLEN, Bull. Amer. mus. nat. hist., XIII, p. 93. May 12, 1900.

TYPE LOCALITY. — Near the Rio Sao Francisco, Brazil.

Genus **NYCTINOMUS** E. Geoffroy.1818. *Nyctinomus* E. GEOFFROY, Description de l'Égypte, II, mammifères, p. 114. Type. — *Nyctinomus aegyptiacus* E. GEOFFROY.**Nyctinomus brasiliensis** I. Geoffroy.1824. *Nyctinomus brasiliensis* I. GEOFFROY, Ann. sci. nat., I, p. 343.

TYPE LOCALITY. — Brazil.

Nyctinomus brasiliensis californicus H. Allen.

1894. *Nyctinomus brasiliensis californicus* H. ALLEN, Monogr. bats N. Amer., p. 166. (1893) March 14, 1894.

TYPE LOCALITY. — California.

* **Nyctinomus cynocephalus** (Le Conte).

1831. *Nyct[icea] cynocephala* LE CONTE, McMurtries' Cuvier, Animal kingdom, 1, p. 432.

1885. *Nyctinomus brasiliensis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 603. 1885. (Part.)

1898. *Nyctinomus cynocephalus* MILLER, Proc. Boston soc. nat. hist., XXVIII, p. 218. March, 1898.

TYPE LOCALITY. — Georgia; probably the Le Conte plantation, near Riceboro, Liberty County.

Nyctinomus depressus Ward.

1891. *Nyctinomus depressus* WARD, Amer. nat., XXV, p. 747. August, 1891.

TYPE LOCALITY. — Tacubaya, Federal District, Mexico.

Nyctinomus femorosaccus Merriam.

1889. *Nyctinomus femorosaccus* MERRIAM, North Amer. fauna, no. 2, p. 23. October 30, 1889.

TYPE LOCALITY. — Agua Caliente, Colorado Desert, California.

* **Nyctinomus gracilis** (Wagner).

1843. *Dysopes gracilis* WAGNER, Wiegmann's Arch. f. Naturg., IX, bd. 1, p. 368.

1865. *Nyctinomus gracilis* PETERS, Monatsber. k. preuss. Akad. Wissensch. Berlin, p. 573.

1885. *Nyctinomus gracilis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 603. 1885.

TYPE LOCALITY. — Cuyaba, Matto Grosso, Brazil.

* **Nyctinomus macrotis** Gray.

1840. *Nyctinomus macrotis* GRAY, Ann. nat. hist., IV, p. 5. September, 1839.

1885. *Nyctinomus macrotis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 603. 1885.

TYPE LOCALITY. — Interior of Cuba.

Nyctinomus minutus Miller.

1899. *Nyctinomus minutus* MILLER, Bull. Amer. mus. nat. hist., XII, p. 173. October 20, 1899.

TYPE LOCALITY. — Trinidad, Cuba.

Nyctinomus mohavensis Merriam.

1889. *Nyctinomus mohavensis* MERRIAM, North Amer. fauna, no. 2, p. 25. October 30, 1889.

TYPE LOCALITY. — Fort Mohave, Mohave County, Arizona.

Nyctinomus nevadensis (H. Allen).

1894. *Nyctinomus macrotis nevadensis* H. ALLEN, Monogr. bats N. Amer., p. 171. (1893) March 14, 1894.

1895. *Nyctinomus nevadensis* J. A. ALLEN, Bull. Amer. mus. nat. hist., VI, p. 326. November 7, 1894.

TYPE LOCALITY. — California (see J. A. Allen, Bull. Amer. mus. nat. hist., VI, p. 326, footnote, November 7, 1894).

Nyctinomus orthotis H. Allen.

1889. *Nyctinomus orthotis* H. ALLEN, Proc. Amer. philos. soc., XXVI, p. 561. December 18, 1889.

TYPE LOCALITY. — Spanishtown, Jamaica.

Family **NATALIDAE**.¹Genus **NATALUS** Gray.

1838. *Natalus* GRAY, Mag. zool. and bot., II, p. 496. December, 1838. Type.—*Natalus stramineus* GRAY.

¹For history and characters see Miller, Bull. Amer. mus. nat. hist., XII, pp. 245-253. December 23, 1899.

Subgenus NATALUS Gray.

* **Natalus lepidus** (Gervais).

1838. *Vespertilio lepidus* GERVAIS, in Ramon de la Sagra, Hist. de l'île de Cuba, mamm., p. 22.

1878. *Natalus lepidus* DOBSON, Catal. chiropt. Brit. mus., p. 344.

1885. *Natalus lepidus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 603. 1885.

TYPE LOCALITY. — Cuba.

* **Natalus stramineus** Gray.

1838. *Natalus stramineus* GRAY, Mag. zool. and bot., II, p. 496. December, 1838.

1885. *Natalus stramineus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 603. 1885.

TYPE LOCALITY. — Unknown.

Subgenus CHILONATALUS Miller.

1898. *Chilonatalus* MILLER, Proc. acad. nat. sci. Phila., p. 326. July 12, 1898. Type. — *Natalus micropus* DOBSON.

Natalus brevimanus Miller.

1898. *Natalus (Chilonatalus) brevimanus* MILLER, Proc. acad. nat. sci. Phila., p. 328. July 12, 1898.

TYPE LOCALITY. — Old Providence Island, Caribbean Sea.

Natalus micropus Dobson.

1880. *Natalus micropus* DOBSON, Proc. zool. soc. London, p. 443.

TYPE LOCALITY. — Environs of Kingston, Jamaica.

Inadvertently omitted from True's list.

Genus **THYROPTERA** Spix.

1823. *Thyroptera* SPIX, Simiar. et vespert. Brasil., p. 61. Type. — *Thyroptera tricolor* SPIX.

Thyroptera discifera (Lichtenstein and Peters).

1854. *Hyonycteris discifera* LICHTENSTEIN and PETERS, Monatsber. k. preuss. Akad. Wissensch. Berlin, p. 336.

1896. *Thyroptera discifera* MILLER, Proc. biol. soc. Washington, x, p. 109. July 22, 1896.

TYPE LOCALITY. — Puerto Caballos, District of Cortez, Honduras.

Family **PHYLLOSTOMATIDAE**.Subfamily **CHILONYCTERINAE**.Genus **CHILONYCTERIS** Gray.

1839. *Chilonycteris* GRAY, Ann. nat. hist., IV, p. 4. September 1839. Type. — *Chilonycteris macleayii* GRAY.

* **Chilonycteris macleayii** Gray.

1839. *Chilonycteris macleayii* GRAY, Ann. nat. hist., IV, p. 5. September, 1839.

1885. *Chilonycteris macleayi* TRUE, Proc. U. S. nat. mus., VII (1884), p. 603. 1885.

TYPE LOCALITY. — Cuba.

* **Chilonycteris parnellii** (Gray).

1843. *Phyllodia parnellii* GRAY, Proc. zool. soc. London, p. 50.

1878. *Chilonycteris parnellii* DOBSON, Catal. chiropt. Brit. mus., p. 452.

1885. *Chilonycteris parnellii* TRUE, Proc. U. S. nat. mus., VII (1884), p. 604. 1885.

TYPE LOCALITY. — Jamaica.

* **Chilonycteris personata** Wagner.

1843. *Chilonycteris personata* WAGNER, Wiegmann's Arch. f. Naturg., IX, bd. I, p. 367.

1885. *Chilonycteris personata* TRUE, Proc. U. S. nat. mus.,
VII (1884), p. 604. 1885.

TYPE LOCALITY. — Matto Grosso, Brazil.

* ***Chilonycteris rubiginosa*** Wagner.

1843. *Chilonycteris rubiginosa* WAGNER, Wiegmann's Arch.
f. Naturg., IX, bd. I, p. 367.

1885. *Chilonycteris rubiginosa* TRUE, Proc. U. S. nat. mus.,
VII (1884), p. 604. 1885.

TYPE LOCALITY. — Caicara, Brazil.

Genus **PTERONOTUS** Gray.

1838. *Pteronotus* GRAY, Mag. zool. and bot., II, p. 500. Decem-
ber, 1838. Type. — *Pteronotus davyi* GRAY.

Recognized as a genus distinct from *Chilonycteris* by J. A. Allen,
Bull. Amer. mus. nat. hist., III, p. 178, December 10, 1890.

* ***Pteronotus davyi*** Gray.

1838. *Pteronotus davyi* GRAY, Mag. zool. and bot., II, p. 500.
December, 1838.

1885. *Chilonycteris davyi* TRUE, Proc. U. S. nat. mus., VII
(1884), p. 604. 1885.

1896. *Pteronotus davyi* J. A. ALLEN, Bull. Amer. mus. nat.
hist., III, p. 178. December 10, 1890.

TYPE LOCALITY. — Island of Trinidad.

Pteronotus davyi fulvus (Thomas).

1892. *Chilonycteris davyi fulvus* THOMAS, Ann. and mag. nat.
hist., 6th ser., X, p. 410. November, 1892.

TYPE LOCALITY. — Las Peñas, State of Jalisco, Mexico.

Regarded by Allen (Bull. Amer. mus. nat. hist., VI, p. 248,
August 3, 1894) as a color phase of *Pteronotus davyi*.

Genus **MORMOOPS** Leach.

1822. *Mormoops* LEACH, Trans. Linn. soc., XIII, p. 76. Type. — *Mormoops blainvillii* LEACH.

* **Mormoops blainvillii** Leach.

1822. *Mormoops blainvillii* LEACH, Trans. Linn. soc., XIII, p. 77.

1885. *Mormops blainvillei* TRUE, Proc. U. S. nat. mus., VII (1884), p. 604. 1885.

TYPE LOCALITY. — Jamaica.

* **Mormoops megalophylla** Peters.

1864. *Mormops megalophylla* PETERS, Monatsber. k. preuss. Akad. Wissensch. Berlin, p. 381.

1885. *Mormops megalophylla* TRUE, Proc. U. S. nat. mus., VII (1884), p. 604. 1885.

TYPE LOCALITY. — Mexico.

Subfamily PHYLLOSTOMATINAE.

Genus **LONCHORHINA** Tomes.

1863. *Lonchorhina* TOMES, Proc. zool. soc. London, p. 81. Type. — *Lonchorhina aurita* TOMES.

* **Lonchorhina aurita** Tomes.

1863. *Lonchorhina aurita* TOMES, Proc. zool. soc. London, p. 83.

1885. *Lonchorina aurita* TRUE, Proc. U. S. nat. mus., VII (1884), p. 604. 1885.

TYPE LOCALITY. — West Indies.

Genus **OTOPTERUS** Flower and Lydekker.

1891. *Otopterus* FLOWER and LYDEKKER, Introduction to the study of mammals, p. 673. Type. — *Macrotus waterhousii* GRAY.

According to H. Allen (Monogr. bats N. Amer., p. 33, March 14, 1894) this genus should stand as *Macrotus* GRAY (Proc. zool. soc. London, 1843, p. 21, type, *M. waterhousii* GRAY).

* **Otopterus bocourtianus** (Dobson).

1876. *Macrotus bocourtianus* DOBSON, Ann. and mag. nat. hist., 4th ser., xviii, p. 436. November, 1876.

1885. *Macrotus bocourtianus* TRUE, Proc. U. S. nat. mus., vii (1884), p. 604. 1885.

TYPE LOCALITY. — Vera Paz, Guatemala.

Otopterus bulleri (H. Allen).

1890. *Macrotus bulleri* H. ALLEN, Proc. Amer. philos. soc., xxviii, p. 73. May 10, 1890.

1898. *Otopterus bulleri* MERRIAM, Proc. biol. soc. Washington, xii, p. 18. January 27, 1898.

TYPE LOCALITY. — Bolaños, State of Jalisco, Mexico.

Regarded by Merriam (Proc. biol. soc. Washington, xii, p. 18, January 27, 1898) as identical with *O. mexicanus*.

* **Otopterus californicus** (Baird).

1858. *Macrotus californicus* BAIRD, Proc. acad. nat. sci. Phila., p. 116.

1885. *Macrotus waterhousii* TRUE, Proc. U. S. nat. mus., vii (1884), p. 604. 1885. (Part.)

1894. *Macrotus californicus* H. ALLEN, Monogr. bats N. Amer., p. 34. (1893) March 14, 1894.

TYPE LOCALITY. — Old Fort Yuma, San Diego County, California.

Otopterus mexicanus (Saussure).

1860. *Macrotus mexicanus* SAUSSURE, Revue et magasin de zoologie, 2d ser., xii, p. 486. November, 1860.

1898. *Otopterus mexicanus* MERRIAM, Proc. biol. soc. Washington, xii, p. 18. January 27, 1898.

TYPE LOCALITY. — Yautepec, near Cuautla, State of Morelos, Mexico.

Otopterus waterhousii (Gray).

1843. *Macrotus waterhousii* GRAY, Proc. zool. soc. London, p. 21.

1891. *Otopterus waterhousei* FLOWER and LYDEKKER, Introduction to the study of mammals, p. 673.

1894. *M[acrotus] waterhousii* H. ALLEN, Monogr. bats N. Amer., p. 40. (1893) March 14, 1894.

TYPE LOCALITY. — Hayti.

Genus **VAMPYRUS** Leach.

1822. *Vampyrus* LEACH, Trans. Linn. soc., XIII, p. 79. Type. — *Vespertilio spectrum* LINNAEUS.

* **Vampyrus spectrum** (Linnaeus).

1758. [*Vespertilio*] *spectrum* LINNAEUS, Syst. nat., x ed., 1, p. 31.

1822. *Vampyrus spectrum* LEACH, Trans. Linn. soc., XIII, p. 80.

1885. *Vampyrus spectrum* TRUE, Proc. U. S. nat. mus., VII (1884), p. 604. 1885.

TYPE LOCALITY. — South America.

Genus **CHROPTERUS** Peters.

1865. *Chropterus* PETERS, Monatsber. k. preuss. Akad. Wissensch. Berlin, p. 505. Type — *Vampyrus auritus* PETERS.

Recognized as a genus distinct from *Vampyrus* by J. A. Allen, Bull. Amer. mus. nat. hist., XIII, p. 91, May 12, 1900.

* **Chropterus auritus** (Peters).

1856. *Vampyrus auritus* PETERS, Abhandl. k. preuss. Akad. Wissensch. Berlin, p. 415.

1865. *Chrotopterus auritus* PETERS, Monatsber. k. preuss. Akad. Wissensch. Berlin, p. 505.

1885. *Vampyrus auritus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 604. 1885.

1900. *Chrotopterus auritus* ALLEN, Bull. Amer. mus. nat. hist., XIII, p. 91. May 12, 1900.

TYPE LOCALITY. — Mexico.

Genus **MICRONYCTERIS** Gray.

1866. *Micronycteris* GRAY, Proc. zool. soc. London, p. 113. Type. — *Phyllophora megalotis* GRAY.

For use of this name in place of *Schizostoma* GERVAIS (Expéd. du Comte de Castelnau, zool., mamm., p. 49, 1855) see Flower and Lydekker, Introduction to the study of mammals, p. 673, 1891.

* **Micronycteris behnii** (Peters).

1865. *Schizostoma behnii* PETERS, Monatsber. k. preuss. Akad. Wissensch. Berlin, p. 505.

1885. *Schizostoma behnii* TRUE, Proc. U. S. nat. mus., VII (1884), p. 604. 1885.

1898. *M[icronycteris] behnii* MILLER, Proc. acad. nat. sci. Phila., p. 330. July 12, 1898.

TYPE LOCALITY. — Cuyaba, Matto Grosso, Brazil.

* **Micronycteris hirsutus** Peters.

1869. *Schizostoma hirsutum* PETERS, Monatsber. k. preuss. Akad. Wissensch. Berlin, p. 396.

1885. *Schizostoma hirsutus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 604. 1885.

1898. *M[icronycteris] hirsuta* MILLER, Proc. acad. nat. sci. Phila., p. 330. July 12, 1898.

TYPE LOCALITY.—Unknown. The second specimen was taken at Pozo Azul, Costa Rica (see Thomas, Ann. and mag. nat. hist., 7th ser., II, p. 318, October, 1898).

* **Micronycteris megalotis** (Gray).

1842. *Phyllophora megalotis* GRAY, Ann. and mag. nat. hist., x, p. 257. December, 1842.

1885. *Schizostoma megalotis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 604. 1885. (Part.)

1898. *M[icronycteris] megalotis* MILLER, Proc. acad. nat. sci. Phila., p. 330. July 12, 1898.

TYPE LOCALITY. — Brazil.

Micronycteris megalotis mexicanus Miller.

1898. *Micronycteris megalotis mexicanus* MILLER, Proc. acad. nat. sci. Phila., p. 329. July 12, 1898.

TYPE LOCALITY. — Plantinar, State of Jalisco, Mexico.

Micronycteris microtis Miller.

1898. *Micronycteris microtis* MILLER, Proc. acad. nat. sci. Phila., p. 328. July 12, 1898.

TYPE LOCALITY. — Greytown, Nicaragua.

Genus **GLYPHONYCTERIS** Thomas.

1896. *Glyphonycteris* THOMAS, Ann. and mag. nat. hist., 6th ser., XVIII, p. 302. October, 1896. Type. — *Glyphonycteris sylvestris* THOMAS.

Glyphonycteris sylvestris Thomas.

1896. *Glyphonycteris sylvestris* THOMAS, Ann. and mag. nat. hist., 6th ser., XVIII, p. 303. October, 1896.

TYPE LOCALITY. — Imravalles, Costa Rica.

Genus **TRACHYOPS** Gray.

1847. *Trachyops* GRAY, Proc. zool. soc. London, p. 14. Type. — *Trachyops fuliginosus* GRAY = *Vampyrus cirrhosus* SPIX.

* **Trachyops cirrhosus** (Spix).

1823. *Vampyrus cirrhosus* SPIX, Simiar. et vespert. Brasil., p. 64.

1878. *Trachyops cirrhosus* DOBSON, Catal. chiropt. Brit. mus., p. 481.

1885. *Trachyops cirrhosus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 604. 1885.

TYPE LOCALITY. — Brazil.

Genus **PHYLLOSTOMUS** Lacépède.

1799. *Phyllostomus* LACÉPÈDE, Tableau des divisions, sous-divisions, ordres et genres des mammifères, p. 16 (Published as supplement to Discours d'ouverture et de clôture du cours d'histoire naturelle, et tableaux méthodiques des mammifères et des oiseaux). Type. — *Vespertilio hastatus* PALLAS.

* **Phyllostomus hastatus** (Pallas).

1767. *V[espertilio] hastatus* PALLAS, Spicilegia zoologica, fasc. III, p. 7.

1799. *Phyllostomus hastatus* LACÉPÈDE, Tableaux des divisions, sous-divisions, ordres et genres des mammifères, p. 16 (Published as supplement to Discours d'ouverture et de clôture du cours d'histoire naturelle, et tableaux méthodiques des mammifères et des oiseaux).

1885. *Phyllostoma hastatum* TRUE, Proc. U. S. nat. mus., VII (1884), p. 604. 1885.

TYPE LOCALITY. — Unknown.

Genus **MIMON** Gray.

1847. *Mimon* GRAY, Proc. zool. soc. London, p. 14. Type. — *Phyllostoma bennettii* GRAY.

* **Mimon bennettii** (Gray).

1838. *Phyllostoma bennettii* GRAY, Mag. zool. and bot., II, p. 488. December, 1838.

1847. *M[imon] bennettii* GRAY, Proc. zool. soc. London, p. 14.

1885. *Mimon bennettii* TRUE, Proc. U. S. nat. mus., VII (1884), p. 604. 1885.

TYPE LOCALITY. — South America.

Genus **HEMIDERMA** Gervais.

1855. *Hemiderma* GERVAIS, Expéd. du Comte de Castelnau, zool., mamm., p. 43. Type. — *Phyllostoma brevicaudum* WIED.

For use of this name in place of *Carollia* GRAY (Mag. zool. and bot., II, p. 488, December, 1838, see Flower and Lydekker, Introduction to the study of mammals, p. 674, 1891.

* **Hemiderma brevicaudum** (Wied).

1821. *Phyllost[oma] bernicaudum* WIED, Schinz's Thierreich, I, p. 164. (Obvious misprint for *brevicaudum*.)

1855. *Hemiderma brevicaudum* GERVAIS, Expéd. du Comte de Castelnau, zool., mamm., p. 43.

1885. *Carollia brevicauda* TRUE, Proc. U. S. nat. mus., VII (1884), p. 604. 1885.

1891. *Hemiderma brevicauda* FLOWER and LYDEKKER, Introduction to the study of mammals, p. 674.

TYPE LOCALITY. — Unknown.

Hemiderma castaneum (H. Allen).

1890. *Carollia castanea* H. ALLEN, Proc. Amer. philos. soc., XVIII, p. 19. February 25, 1890.

TYPE LOCALITY. — Costa Rica.

Subfamily GLOSSOPHAGINAE.¹

Genus **GLOSSOPHAGA** E. Geoffroy.

1818. *Glossophaga* E. GEOFFROY, Mém. mus. d'hist. nat., Paris, iv, p. 418. Type. — *Vespertilio soricinus* PALLAS.

Glossophaga mutica Merriam.

1898. *Glossophaga mutica* MERRIAM, Proc. biol. soc. Washington, xii, p. 18. January 27, 1898.

TYPE LOCALITY. — Maria Madre Island, Tres Marias Islands, State of Jalisco, Mexico.

* **Glossophaga soricina** (Pallas).

1766. *Vespertilio soricinus* PALLAS, Miscell. zool., p. 48.

1818. *Glossophaga soricina* E. GEOFFROY, Mém. mus. d'hist. nat., Paris, iv, p. 418.

1885. *Glossophaga soricina* TRUE, Proc. U. S. nat. mus., vii (1884), p. 604. 1885.

TYPE LOCALITY. — Unknown.

Genus **CHOERONYCTERIS** Tschudi.

1844. *Choeronycteris* TSCHUDI, Fauna peruana, p. 70. Type. — *Choeronycteris mexicana* TSCHUDI.

* **Choeronycteris mexicana** Tschudi.

1844. *Choeronycteris mexicana* TSCHUDI, Fauna peruana, p. 72.

1885. *Choeronycteris mexicana* TRUE, Proc. U. S. nat. mus., vii (1884), p. 605. 1885.

TYPE LOCALITY. — Mexico.

¹ For review of this family see H. Allen, Trans. Amer. philos. soc., n. s., xix, pp. 237-266. June, 1898.

* **Choeronycteris minor** Peters.

1868. *Choeronycteris minor* PETERS, Monatsber. k. preuss. Akad. Wissensch. Berlin, p. 366.

1885. *Choeronycteris minor* TRUE, Proc. U. S. nat. mus., VII (1884), p. 605. 1885.

TYPE LOCALITY. — Surinam.

Genus **MONOPHYLLUS** Leach.¹

1822. *Monophyllus* LEACH, Trans. Linn. soc., XIII, p. 75. Type. — *Monophyllus redmani* LEACH.

* **Monophyllus redmani** Leach.

1822. *Monophyllus redmani* LEACH, Trans. Linn. soc., XIII, p. 76.

1885. *Monophyllus redmani* TRUE, Proc. U. S. nat. mus., VII (1884), p. 605. 1885.

TYPE LOCALITY. — Jamaica.

Monophyllus portoricensis Miller.

1900. *Monophyllus portoricensis* MILLER, Proc. Washington acad. sci., II, p. 34. March 30, 1900.

TYPE LOCALITY. — Cave near Bayamon, Porto Rico.

Monophyllus plethodon Miller.

1900. *Monophyllus plethodon* MILLER, Proc. Washington acad. sci., II, p. 35. March 30, 1900.

TYPE LOCALITY. — St. Michaels Parish, Barbadoes.

Monophyllus clinedaphus Miller.

1900. *Monophyllus clinedaphus* MILLER, Proc. Washington acad. sci., II, p. 36. March 30, 1900.

TYPE LOCALITY. — Unknown.

¹ Revised by Miller, Proc. Washington acad. sci., II, pp. 31-38. March 30, 1900.

Genus **LEPTONYCTERIS** Flower and Lydekker.

1891. *Leptonycteris* FLOWER and LYDEKKER, Introduction to the study of mammals, p. 674. Type.—*Ischnoglossa nivalis* SAUSSURE.

* **Leptonycteris nivalis** (Saussure).

1860. *I*[*ischnoglossa*] *nivalis* SAUSSURE, Revue et magasin de zoologie, 2d ser., XII, p. 492. November, 1860.

1885. *Ischnoglossa nivalis* TRUE, Proc. U. S. nat. mus., VII (1884), p. 605. 1885.

1900. *Leptonycteris nivalis* MILLER, Proc. biol. soc. Washington, XIII, p. 126. April 6, 1900.

TYPE LOCALITY.—Near the snow line on Mount Orizaba, Mexico.

Genus **ANOURA** Gray.

1838. *Anoura* GRAY, Mag. zool. and bot., II, p. 490. December, 1838. Type.—*Anoura geoffroyi* GRAY.

* **Anoura geoffroyi** Gray.

1838. *Anoura geoffroyi* GRAY, Mag. zool. and bot., II, p. 490. December, 1838.

1885. *Glossonycteris lasiopyga* TRUE, Proc. U. S. nat. mus., VII (1884), p. 605. 1885.

1893. *Anoura geoffroyi* THOMAS, Proc. zool. soc. London, p. 335.

TYPE LOCALITY.—Brazil.

Genus **LICHONYCTERIS** Thomas.

1895. *Lichonycteris* THOMAS, Ann. and mag. nat. hist., 6th ser., XVI, p. 55. July, 1895. Type.—*Lichonycteris obscurus* THOMAS.

Lichonycteris obscurus Thomas.

1895. *Lichonycteris obscurus* THOMAS, Ann. and mag. nat. hist., 6th ser., XVI, p. 56. July, 1895.

TYPE LOCALITY. — Managua, Nicaragua.

Genus **PHYLLONYCTERIS** Gundlach.

1861. *Phyllonycteris* GUNDLACH, Monatsber. k. preuss. Akad. Wissensch. Berlin (1860), p. 817. Type.—*Phyllonycteris poeyi* GUNDLACH.

Phyllonycteris bombifrons Miller.

1899. *Phyllonycteris bombifrons* MILLER, Proc. biol. soc. Washington, XIII, p. 36. May 29, 1899.

TYPE LOCALITY. — Cave near Bayamon, Porto Rico.

Phyllonycteris planifrons Miller.

1899. *Phyllonycteris planifrons* MILLER, Proc. biol. soc. Washington, XIII, p. 34. May 29, 1899.

TYPE LOCALITY. — Nassau, New Providence, Bahamas.

* **Phyllonycteris poeyi** Gundlach.

1861. *Ph[yllonycteris] poeyi* GUNDLACH, Monatsber. k. preuss. Akad. Wissensch. Berlin (1860), p. 817.

1885. *Phyllonycteris poeyi* TRUE, Proc. U. S. nat. mus., VII (1884), p. 604. 1885.

TYPE LOCALITY. — Cuba.

* **Phyllonycteris sezekorni** Gundlach.

1861. *Phyllonycteris sezekorni* GUNDLACH, Monatsber. k. preuss. Akad. Wissensch. Berlin (1860), p. 818.

1885. *Phyllonycteris sezekorni* TRUE, Proc. U. S. nat. mus., VII (1884), p. 605. 1885.

TYPE LOCALITY. — Cuba.

Genus **REITHRONYCTERIS** Miller.

1898. *Reithronycteris* MILLER, Proc. acad. nat. sci. Phila., p. 333.
July 12, 1898. Type. — *Reithronycteris aphylla* MILLER.

Reithronycteris aphylla Miller.

1898. *Reithronycteris aphylla* MILLER, Proc. acad. nat. sci.
Phila., p. 334. July 12, 1898.
TYPE LOCALITY. — Jamaica.

Genus **BRACHYPHYLLA** Gray.

1833. *Brachyphylla* GRAY, Proc. zool. soc. London, p. 122.
Type. — *Brachyphylla cavernarum* GRAY.

* **Brachyphylla cavernarum** Gray.

1833. *Brachyphylla cavernarum* GRAY, Proc. zool. soc. Lon-
don, p. 123.

1885. *Brachyphyllum cavernarum* TRUE, Proc. U. S. nat.
mus., VII (1884), p. 605. 1885.

TYPE LOCALITY. — Island of St. Vincent, West Indies.

Subfamily STENODERMATINAE.

Genus **ARTIBEUS** Leach.

1822. *Artibeus* LEACH, Trans. Linn. soc., XIII, p. 75. Type. —
Artibeus jamaicensis LEACH = *Vespertilio perspicillatus* LINNAEUS.

Artibeus coryi J. A. Allen.

1890. *Artibeus coryi* J. A. ALLEN, Bull. Amer. mus. nat.
hist., III, p. 173. November 14, 1890.

TYPE LOCALITY. — St. Andrews Island, Caribbean Sea.

* **Artibeus intermedius** J. A. Allen.

1885. *Artibeus perspicillatus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 605. 1885. (Part.)

1897. *Artibeus intermedius* J. A. ALLEN, Bull. Amer. mus. nat. hist., IX, p. 33. March 11, 1897.

TYPE LOCALITY. — San José, Costa Rica.

Artibeus perspicillatus (Linnaeus).

1758. [*Vespertilio*] *perspicillatus* LINNAEUS, Syst. nat., x ed., I, p. 31.

1838. *Arctibeus perspicillatus* GRAY, Mag. zool. and bot., II, p. 487. December, 1838.

TYPE LOCALITY. — Jamaica (see Allen and Chapman, Bull. Amer. mus. nat. hist., IX, p. 3, February 23, 1897).

Genus **URODERMA** Peters.

1865. *Uroderma* PETERS, Monatsber. k. preuss. Akad. Wissenschaft. Berlin, p. 588. Type. — *Phyllostoma personatum* PETERS (nec WAGNER) = *Uroderma bilobatum* PETERS.

Recognized as a genus distinct from *Artibeus* by J. A. Allen, Bull. Amer. mus. nat. hist., XIII, p. 89, May 12, 1900.

Uroderma planirostre (Spix).

1823. *Phyllostoma planirostre* SPIX, Simiar. et vespert. Brasil., p. 66.

TYPE LOCALITY. — Suburbs of Bahia, Brazil.

This species, though not mentioned by True, was recorded by Dobson (Catal. chiropt. Brit. mus., p. 517, 1878) from the island of Grenada, West Indies, and from Acapulco, State Guerrero, Mexico.

Genus **DERMANURA** Gervais.

1855. *Dermanura* GERVAIS, Expéd. du Comte de Castelnau, zool., mamm., p. 36. Type. — *Dermanura cinereum* GERVAIS.

Recognized as a genus distinct from *Artibeus* by Cope, Amer. nat., xxiii, p. 130, February, 1889.

* **Dermanura cinereum** Gervais.

1855. *Dermanura cinereum* GERVAIS, Expéd. du Comte de Castelnau, zool., mamm., p. 36.

1885. *Artibeus cinereus* TRUE, Proc. U. S. nat. mus., vii (1884), p. 605. 1885.

TYPE LOCALITY. — Brazil.

Dermanura eva Cope.

1889. *Dermanura eva* COPE, Amer. nat., xxiii, p. 130. February, 1889.

TYPE LOCALITY. — Island of St. Martins, West Indies.

Genus **VAMPYROPS** Peters.

1865. *Vampyrops* PETERS, Monatsber. k. preuss. Akad. Wissensch. Berlin, p. 356. Included *Phyllostoma lineatum* E. GEOFFROY and *Artibeus vittatus* PETERS.

* **Vampyrops lineatus** (E. Geoffroy).

1810. *Phyllostoma lineatum* E. GEOFFROY, Ann. mus. d'hist. nat., Paris, p. 180.

1866. *V[ampyrops] lineatus* PETERS, Monatsber. k. preuss. Akad. Wissensch. Berlin, p. 392.

1885. *Vampyrops lineatus* TRUE, Proc. U. S. nat. mus., vii (1884), p. 605. 1885.

TYPE LOCALITY. — Paraguay.

* **Vampyrops vittatus** (Peters).

1859. *Artibeus vittatus* PETERS, Monatsber. k. preuss. Akad. Wissensch. Berlin, p. 225.

1865. *V[ampyrops] vittatus* PETERS, Monatsber. k. preuss. Akad. Wissensch. Berlin, p. 356.

1885. *Vampyrops vittatus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 605. 1885.

TYPE LOCALITY. — Puerto Cabello, Venezuela.

Genus **STENODERMA** E. Geoffroy.

1818. *Stenoderma* E. GEOFFROY, Description de l'Égypte, mammifères, II, p. 114. Type.— *Stenoderma rufum* E. GEOFFROY.

Subgenus **STENODERMA** E. Geoffroy.

Stenoderma montserratense Thomas.

1894. *Stenoderma montserratense* THOMAS, Proc. zool. soc. London, p. 133.

TYPE LOCALITY. — Island of Montserrat, West Indies.

Stenoderma nichollsi Thomas.

1891. *Stenoderma nichollsi* THOMAS, Ann. and mag. nat. hist., 6th ser., VII, p. 529. June, 1891.

TYPE LOCALITY. — Island of Dominica, West Indies.

Subgenus **PELTORHINUS** Peters.

1876. *Peltorhinus* PETERS, Monatsber. k. preuss. Akad. Wissensch. Berlin, p. 433. Type.— *Artibeus achradophilus* GOSSE.

* **Stenoderma achradophilum** (Gosse).

1851. *Artibeus achradophilus* GOSSE, A naturalist's sojourn in Jamaica, p. 271.

1878. *Stenoderma achradophilum* DOBSON, Catal. chiropt. Brit. mus., p. 527.

1885. *Stenoderma achradophilum* TRUE, Proc. U. S. nat. mus., VII (1884), p. 605. 1885.
TYPE LOCALITY. — Content, Jamaica.

Subgenus PHYLLOPS Peters.

1865. *Phyllops* PETERS, Monatsber. k. preuss. Akad. Wissensch. Berlin, p. 356. Type.—*Phyllostoma albomaculatum* GUNDLACH = *Arctibeus falcatus* GRAY.

* **Stenoderma falcatum** (Gray).

1839. *Arctibeus falcatus* GRAY, Ann. nat. hist., IV, p. 1. September, 1839.
1878. *Stenoderma falcatum* DOBSON, Catal. chiropt. Brit. mus., p. 529.
1885. *Stenoderma falcatum* TRUE, Proc. U. S. nat. mus., VII (1884), p. 605. 1885.
TYPE LOCALITY. — Cuba.

Genus **ECTOPHYLLA** H. Allen.

1892. *Ectophylla* H. ALLEN, Proc. U. S. nat. mus., XV, p. 441. Type. — *Ectophylla alba* H. ALLEN.

Ectophylla alba H. Allen.

1892. *Ectophylla alba* H. ALLEN, Proc. U. S. nat. mus., XV, p. 442. October 26, 1892.
TYPE LOCALITY. — Believed to be the vicinity of the Segovia River, Eastern Honduras.

Genus **CHIRODERMA** Peters.

1860. *Chiroderma* PETERS, Monatsber. k. preuss. Akad. Wissensch. Berlin, p. 747. Type. — *Chiroderma villosum* PETERS.

* **Chiroderma salvini** Dobson.

1878. *Chiroderma salvini* DOBSON, Catal. chiropt. Brit. mus., p. 532.

1885. *Chiroderma salvini* TRUE, Proc. U. S. nat. mus., VII (1884), p. 605. 1885.

TYPE LOCALITY. — Costa Rica.

Genus **PYGODERMA** Peters.

1865. *Pygoderma* PETERS, Monatsber. k. preuss. Akad. Wissensch. Berlin, p. 357. Type.—*Phyllostoma bilabiatum* WAGNER.

* **Pygoderma bilabiatum** (Wagner).

1843. *Phyllostoma bilabiatum* WAGNER, Wiegmann's Arch. f. Naturg., IX, bd. I, p. 366.

1878. *Pygoderma bilabiatum* DOBSON, Catal. chiropt. Brit. mus., p. 536.

1885. *Pygoderma bilabiatum* TRUE, Proc. U. S. nat. mus., VII (1884), p. 605. 1885.

TYPE LOCALITY. — Ipanema, Sao Paulo, Brazil.

Genus **STURNIRA** Gray.

1842. *Sturnira* GRAY, Ann. and mag. nat. hist., X, p. 257. December, 1842. Type.—*Sturnira spectrum* GRAY = *Phyllostoma lilium* E. GEOFFROY.

* **Sturnira lilium** (E. Geoffroy).

1810. *Phyllostoma lilium* E. GEOFFROY, Ann. mus. d'hist. nat., Paris, XV, p. 181.

1855. *Sturnira lilium* GERVAIS, Expéd. du Comte de Castelnau, zool., mamm., p. 39.

1885. *Sturnira lilium* TRUE, Proc. U. S. nat. mus., VII (1884), p. 605. 1885.

TYPE LOCALITY. — Paraguay.

Genus **CENTURIO** Gray.

1842. *Centurio* GRAY, Ann. and mag. nat. hist., x, p. 259. December, 1842. Type. — *Centurio senex* GRAY.

* **Centurio mcmurtrii** H. Allen.

1861. *C[enturio] mcmurtrii* H. ALLEN, Proc. acad. nat. sci. Phila., p. 360.

1885. *Centurio mcmurtrii* TRUE, Proc. U. S. nat. mus., VII (1884), p. 605. 1885.

TYPE LOCALITY. — Mirador, State of Vera Cruz, Mexico.

Centurio minor Ward.

1891. *Centurio minor* WARD, Amer. nat., XXV, p. 750. August, 1891.

TYPE LOCALITY. — Cerro de los Pajaros, Las Vigas, State of Vera Cruz, Mexico.

* **Centurio senex** Gray.

1842. *Centurio senex* GRAY, Ann. and mag. nat. hist., x, p. 259. December, 1842.

1885. *Centurio senex* TRUE, Proc. U. S. nat. mus., VII (1884), p. 605. 1885.

TYPE LOCALITY. — Unknown.

Subfamily DESMODONTINAE.

Genus **DESMODUS** Wied.

1826. *Desmodus* WIED, Beiträge zur Naturgesch. Brasilien, II, p. 231. Type.—*Desmodus rufus* WIED = *Phyllostoma rotundum* E. GEOFFROY.

* **Desmodus rotundus** (E. Geoffroy).

1810. *Phyllostoma rotundum* E. GEOFFROY, Ann. mus. d'hist. nat., Paris, xv, p. 181.

1885. *Desmodus rufus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 605. 1885.

1900. *Desmodus rotundus* THOMAS, Ann. mus. civ. stor. nat. Genova, 2d ser., xx, p. 547.

TYPE LOCALITY. — Paraguay.

Genus **DIPHYLLA** Spix.

1823. *Diphylla* SPIX, Simiar. et vespert. Brasil., p. 68. Type. — *Diphylla ecaudata* SPIX.

The name *Haematomycteris* was proposed by H. Allen (Proc. U. S. nat. mus., XVIII, p. 777, October 27, 1896) for the *Diphylla* of Dobson (Catal. chiropt. Brit. mus., p. 550, 1878), should it prove to be distinct from that of Spix.

* **Diphylla ecaudata** Spix.

1823. *Diphylla ecaudata* SPIX, Simiar. et vespert. Brasil., p. 68.

1885. *Diphylla ecaudata* TRUE, Proc. U. S. nat. mus., VII (1884), p. 605. 1885.

TYPE LOCALITY. — Brazil.

Order PRIMATES.

Suborder ANTHROPOIDEA.

Family HAPALIDAE.

Genus **MIDAS** E. Geoffroy.

1812. *Midas* E. GEOFFROY, Ann. mus. d'hist. nat., Paris, XIX, p. 120. Type.—*Simia midas* LINNAEUS.

* **Midas geoffroyi** (Pucheran).

1845. *Hapale geoffroyi* PUCHERAN, Rev. zool., VIII, p. 336. September, 1845.

1871. *Midas geoffroyi* SCLATER, Proc. zool. soc. London, p. 478.

1885. *Midas geoffroyi* TRUE, Proc. U. S. nat. mus., VII (1884), p. 611. 1885.

TYPE LOCALITY. — Unknown.

Family **CEBIDAE**.

Subfamily ALOUATTINAE.

Genus **ALOUATTA** Lacépède.

1799. *Alouatta* LACÉPÈDE, Tableau des divisions, sous-divisions, ordres et genres des mammifères, p. 4 (Published as supplement to Discours d'ouverture et de clôture du cours d'histoire naturelle, et tableaux méthodiques des mammifères et des oiseaux). Type.—*Simia belzebul* LINNAEUS.

* ***Alouatta villosa*** (Gray).

1845. *Mycetes villosus* GRAY, Ann. and mag. nat. hist., xvi, p. 220. October, 1845.

1885. *Mycetes villosus* TRUE, Proc. U. S. nat. mus., vii (1884), p. 611. 1885.

1894. *Alouatta villosa* FORBES, A hand-book of the primates, i, p. 199.

TYPE LOCALITY. — Brazil.

* ***Alouatta palliata*** (Gray).

1848. *Mycetes palliatus* GRAY, Proc. zool. soc. London, p. 138.

1863. *Alouatta palliata* SLACK, Proc. acad. nat. sci. Phila., (1862), p. 519.

1885. *Mycetes palliatus* TRUE, Proc. U. S. nat. mus., vii (1884), p. 611. 1885.

1897. [*Alouatta*] *palliata* TROUËSSART, Catal. mamm., pt. i, p. 34.

TYPE LOCALITY. — Caracas, Venezuela.

Subfamily NYCTIPITHECINAE.

This name is untenable since *Nyctipithecus* has been replaced by *Aotus*.

Genus **SAIMIRI** Voigt.

1831. *Saimiri* VOIGT, Cuvier's Thierreich, i, p. 95. Type. — *Simia sciurea* LINNAEUS.

For use of this name in place of *Chrysothrix* (Kaup, Thierreich, i, p. 50) see Palmer, Proc. biol. soc. Washington, xi, p. 174, June 9, 1897.

* ***Saimiri oerstedii*** (Reinhardt).

1872. *Chrysothrix oerstedii* REINHARDT, Vidensk. Meddelelser, p. 157.

1885. *Chrysothrix oerstedii* TRUE, Proc. U. S. nat. mus., VII (1884), p. 611. 1885.

TYPE LOCALITY. — Cartago, Costa Rica.

Genus **AOTUS** Humboldt.

1811. *Aotus* HUMBOLDT, Recueil d'obs. de zool. et d'anat. comp., I, p. 358. Type. — *Simia trivirgata* HUMBOLDT.

For use of this name in place of *Nyctipithecus* (Spix, Simiar. et vespert. Brasil., p. 24, 1823) see Palmer, Science, n. s., x, p. 493, October 6, 1899.

* **Aotus rufipes** (Sclater).

1872. *Nyctipithecus rufipes* SCLATER, Proc. zool. soc. London, p. 3.

1885. *Nyctipithecus rufipes* TRUE, Proc. U. S. nat. mus., VII (1884), p. 611. 1885.

TYPE LOCALITY. — San Juan del Norte, Nicaragua.

* **Aotus vociferans** (Spix).

1823. *Nyctipithecus vociferans* SPIX, Simiar. et vespert. Brasil., p. 25.

1885. *Nyctipithecus vociferans* TRUE, Proc. U. S. nat. mus., VII (1884), p. 611. 1885.

TYPE LOCALITY. — Tabatinga, Upper Amazon, Brazil.

Subfamily CEBINAE.

Genus **ATELES** E. Geoffroy.

1806. *Ateles* E. GEOFFROY, Ann. mus. d'hist. nat., Paris, VII, p. 262. Type. — *Simia paniscus* LINNAEUS.

* **Ateles ater** F. Cuvier.

1823. *A[teles] ater* F. CUVIER, Hist. nat. mammifères, III, livr. XXXIX. March, 1823.

1885. *Ateles ater* TRUE, Proc. U. S. nat. mus., VII (1884), p. 611. 1885.

TYPE LOCALITY. — Cayenne, French Guiana.

* **Ateles geoffroyi** Kuhl.

1820. *Ateles geoffroy* (sic) KÜHL, Beiträge z. Zoologie, p. 26.

1885. *Ateles geoffroyi* TRUE, Proc. U. S. nat. mus., VII (1884), p. 611. 1885.

TYPE LOCALITY. — Unknown.

* **Ateles rufiventris** Sclater.

1872. *Ateles rufiventris* SCLATER, Proc. zool. soc. London, p. 688.

1885. *Ateles rufiventris* TRUE, Proc. U. S. nat. mus., VII (1884), p. 611. 1885.

TYPE LOCALITY. — Rio Atrato, northern Colombia.

* **Ateles vellerosus** Gray.

1865. *Ateles vellerosus* GRAY, Proc. zool. soc. London, p. 733.

1885. *Ateles vellerosus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 611. 1885.

TYPE LOCALITY. — Supposed to be somewhere in Brazil, but this is clearly an error (see Alston, Biol. Centr.-Amer., mammals, p. 10, 1879).

Genus **CEBUS** Erxleben.

1777. *Cebus* ERXLEBEN, Syst. regni anim., I, p. 44. Included *Simia capucina* LINNÆUS and *Simia fatuellus* LINNÆUS.

* **Cebus hypoleucus** (Humboldt).

1811. *Simia hypoleuca* HUMBOLDT, Recueil d'obs. de zool. et d'anat. comp., I, p. 337.

1861. *Cebus hypoleucus* SCLATER, Nat. hist. rev., p. 509.

1885. *Cebus hypoleucus* TRUE, Proc. U. S. nat. mus., VII (1884), p. 611. 1885.

TYPE LOCALITY. — Rio Sinu, Bolivar, Colombia.

APPENDIX.

The following names have been applied to members of recently revised genera since the publication of True's list, but are now regarded as untenable.

Cariacus clavatus True.¹

1888. *Cariacus clavatus* TRUE, Proc. U. S. nat. mus., xi, p. 417.

Preoccupied by *Cervus clavatus* HAMILTON SMITH (Griffith's Cuvier, Animal kingdom, v, p. 315, 1827) and replaced by *Odocoileus truei* MERRIAM (p. 17).

Sciurus wagneri Allen.

1898. *Sciurus wagneri* ALLEN, Bull. Amer. mus. nat. hist., x, p. 453. November 10, 1898.

A name proposed as a substitute for the preoccupied *S. albipes* WAGNER and *S. varius* WAGNER, but regarded by Nelson (Proc. Washington acad. sci., i, p. 46, May 9, 1899) as a synonym of *S. poliopus* (p. 26).

Sciurus poliopus quercinus Nelson.

1898. *Sciurus poliopus quercinus* NELSON, Proc. biol. soc. Washington, xii, p. 150. June 30, 1898.

Preoccupied by *Sciurus quercinus* ERXLEBEN (Syst. regni anim., i, p. 432, 1777) and replaced by *S. poliopus hernandezi* NELSON (p. 26).

Sciurus fossor anthonyi Mearns.

1897. *Sciurus fossor anthonyi* MEARN'S, Preliminary diagnoses of new mammals of the genera *Sciurus*, *Castor*, *Neotoma*, and *Sigmodon*, from the Mexican border of the United States, p. 1. March 5, 1897. (Reprint: Proc. U. S. nat. mus., xx, p. 501. January 19, 1898.)

TYPE LOCALITY. — Campbell's Ranch, Laguna, San Diego County, California.

Regarded by Nelson (Proc. Washington acad. sci., i, p. 83, May 9, 1898) as identical with *S. griseus* (p. 30).

¹This name was inadvertently omitted on page 17, where it properly belongs.

Sciurus aberti concolor True.

1894. *Sciurus aberti concolor* TRUE, Diagnoses of new North American mammals, p. 1. April 26, 1894. (Reprint: Proc. U. S. nat. mus., xvii, p. 241. November 15, 1894.)

Preoccupied by *Sciurus concolor* BLYTH (Journ. Asiat. soc. Bengal, xxiv, p. 474, 1855) and replaced by *S. aberti ferreus* TRUE (p. 31).

Sciurus hudsonicus orarius Bangs.

1897. *Sciurus hudsonicus orarius* BANGS, Proc. biol. soc. Washington, xi, p. 281. December 30, 1897.

TYPE LOCALITY. — Philo, Mendocino County, California.

Regarded by Allen (Bull. Amer. mus. nat. hist., x, p. 276, July 22, 1898) as identical with *S. douglasii mollipilosus* (p. 34).

Sciurus niger melanonotus Thomas.

1890. *Sciurus niger melanonotus* THOMAS, Proc. zool. soc. London, p. 73.

TYPE LOCALITY. — Las Vigas, State of Vera Cruz, Mexico.

Regarded by Nelson (Proc. Washington acad. sci., i, p. 88, May 9, 1899) as identical with *S. oculatus* (p. 35).

Sciurus alstoni Allen.

1889. *Sciurus alstoni* ALLEN, Bull. Amer. mus. nat. hist., ii, p. 167. October 21, 1889.

Preoccupied by *Sciurus alstoni* ANDERSON (Zool. results Yunnan Exp., i, p. 252, 1878) and replaced by *S. nayaritensis* ALLEN (p. 35).

Reithrodontomys aztecus Allen.

1893. *Reithrodontomys aztecus* ALLEN, Bull. Amer. mus. nat. hist., v, p. 79. April 28, 1893.

TYPE LOCALITY. — La Plata, San Juan County, New Mexico.

Regarded by Allen (Bull. Amer. mus. nat. hist., vii, p. 125, May 21, 1895) as identical with *R. megalotis* (p. 98).

Phenacomys truei Allen.

1894. *Phenacomys truei* ALLEN, Bull. Amer. mus. nat. hist., vi, p. 331. November 7, 1894.

TYPE LOCALITY. — Black Hills, now Laramie Mountains, Wyoming.

Regarded by Miller (Proc. biol. soc. Washington, XI, p. 80, April 21, 1897) as identical with *P. orophilus* (p. 111).

Phenacomys oramontis Rhoads.

1895. *Phenacomys oramontis* RHOADS, Amer. nat., XXIX, p. 941. October, 1895.

TYPE LOCALITY. — Mount Baker Range, British Columbia, Canada. Altitude, 6000 feet.

Regarded by Miller (Proc. biol. soc. Washington, XI, p. 80, April 21, 1897) as identical with *P. orophilus* (p. 111).

Phenacomys ungava Merriam.

1889. *Phenacomys ungava* MERRIAM, North Amer. fauna, no. 2, p. 35. October 30, 1889.

TYPE LOCALITY. — Godbout, Quebec, Canada.

Regarded by Miller (Proc. biol. soc. Washington, XI, p. 80, April 21, 1897) as identical with *P. celatus* (p. 112).

Evotomys fuscodorsalis Allen.

1894. *Evotomys fuscodorsalis* ALLEN, Bull. Amer. mus. nat. hist., VI, p. 103. April 14, 1894.

TYPE LOCALITY. — Trousers Lake, New Brunswick, Canada.

Regarded by Bailey (Proc. biol. soc. Washington, XI, p. 122, May 13, 1897) as a color phase of *E. gapperi* (p. 113).

Evotomys pygmaeus Rhoads.

1894. *Evotomys pygmaeus* RHOADS, Proc. acad. nat. sci. Phila., p. 284. October 23, 1894.

TYPE LOCALITY. — Mouth of the Nisqually River, Pierce County, Washington.

Regarded by Bailey (Proc. biol. soc. Washington, XI, p. 122, May 13, 1897), as identical with *E. occidentalis* (p. 115).

Subgenus TETRAMERODON Rhoads.

1894. *Tetramerodon* RHOADS, Proc. acad. nat. sci. Phila., p. 282. October 23, 1894. Type. — *Arvicola tetramerus* RHOADS.

Regarded by Miller (North Amer. fauna, no. 12, pp. 18-19, 62, July 23, 1896) as identical with the subgenus *Microtus* (p. 116).

Arvicola insperatus Allen.

1894. *Arvicola insperatus* ALLEN, Bull. Amer. mus. nat. hist., vi, p. 347. December 7, 1894.

TYPE LOCALITY. — Custer, Black Hills, Custer County, South Dakota.

Regarded by Bailey (North Amer. fauna, no. 17, p. 20, June 6, 1900) as identical with *Microtus pennsylvanicus modestus* (p. 117).

Arvicola microcephalus Rhoads.

1894. *Arvicola (Mynomes) microcephalus* RHOADS, Proc. acad. nat. sci. Phila., p. 286. October 23, 1894.

TYPE LOCALITY. — Lac la Hache, British Columbia, Canada.

Regarded by Bailey (North Amer. fauna, no. 17, p. 22, June 6, 1900) as identical with *Microtus drummondii* (p. 117).

Microtus stonei Allen.

1899. *Microtus stonei* ALLEN, Bull. Amer. mus. nat. hist., xii, p. 5, March 4, 1899.

TYPE LOCALITY. — Liard River, British Columbia, Canada.

Regarded by Bailey (North Amer. fauna, no. 17, p. 22, June 6, 1900) as identical with *M. drummondii* (p. 117).

Microtus insularis Bailey.

1898. *Microtus insularis* BAILEY, Proc. biol. soc. Washington, xii, p. 86. April 30, 1898.

Preoccupied by *Lemmus insularis* NILSSON (Öfver. k. vet. akad. förh., Stockholm, i, p. 33, 1844) and replaced by *Microtus nesophilus* BAILEY (p. 118).

Microtus vellerosus Allen.

1899. *Microtus vellerosus* ALLEN, Bull. Amer. mus. nat. hist., xii, p. 7. March 4, 1899.

TYPE LOCALITY. — Liard River, British Columbia, Canada.

Regarded by Bailey (North Amer. fauna, no. 17, p. 48, June 6, 1900) as identical with *M. mordax* (p. 122).

Microtus cautus Allen.

1899. *Microtus cautus* ALLEN, Bull. Amer. mus. nat. hist., xii, p. 7. March 4, 1899.

TYPE LOCALITY. — Hells Gate, Liard River, British Columbia, Canada.

Regarded by Bailey (North Amer. fauna, no. 17, p. 48, June 6, 1900) as identical with *M. mordax* (p. 122).

Genus **AULACOMYS** Rhoads.

1894. *Aulacomys* RHOADS, Amer. nat., xxviii, p. 182. February, 1894. Type. — *Aulacomys arvicoloides* RHOADS.

Regarded by Miller (North Amer. fauna, no. 12, pp. 18, 66, July 23, 1896) as identical with the subgenus *Arvicola* (p. 124).

Microtus principalis Rhoads.

1895. *Microtus principalis* RHOADS, Amer. nat., xxix, p. 940. October, 1895.

TYPE LOCALITY. — Mount Baker Range, British Columbia, Canada. Altitude, 6000 feet.

Regarded by Bailey (North Amer. fauna, no. 17, p. 62, June 6, 1900) as identical with *Microtus richardsoni arvicoloides* (p. 125).

Microtus pumilus Elliot.

1899. *Microtus (Lagurus) pumilus* ELLIOT, Field Columbian mus., publication 30, zool. ser., i, p. 226. February 1, 1899.

TYPE LOCALITY. — Happy Lake, Olympic Mountains, Clallam County, Washington. Altitude, about 5000 feet.

Regarded by Bailey (North Amer. fauna, no. 17, p. 68, June 6, 1900) as an immature *Phenacomys*.

Microtus morosus Elliot.

1899. *Microtus morosus* ELLIOT, Field Columbian mus., publication 30, zool. ser., i, p. 227. February 1, 1899.

TYPE LOCALITY. — Boulder Lake, Olympic Mountains, Clallam County, Washington. Altitude, about 5000 feet.

Regarded by Bailey (North Amer. fauna, no. 17, p. 70, June 6, 1900) as identical with *M. oregoni* (p. 127).

Synaptomys stonei Rhoads.

1893. *Synaptomys stonei* RHOADS, Amer. nat., xxvii, p. 53. January, 1893.

TYPE LOCALITY. — Mays Landing, Atlantic County, New Jersey.

Regarded by Merriam (Proc. biol. soc. Washington, x, p. 58, March 19, 1896) as identical with *S. cooperi* (p. 132).

Geomys nelsoni Merriam.

1892. *Geomys nelsoni* MERRIAM, Proc. biol. soc. Washington, vii, p. 164. September 29, 1892.

TYPE LOCALITY.— North slope of Sierra Nevada of Colima, State of Jalisco, Mexico. Altitude, 6500 feet.

Regarded by Merriam (North Amer. fauna, no. 8, p. 147, January 31, 1895) as identical with *Pappogeomys bulleri* (p. 138).

Perognathus copei Rhoads.

1893. *Perognathus copei* RHOADS, Proc. acad. nat. sci. Phila., p. 404. January 30, 1894.

TYPE LOCALITY.— Near Mobeetie, Wheeler County, Texas.

Regarded by Osgood (North Amer. fauna, no. 18, p. 20, September 20, 1900) as identical with *P. flavescens* (p. 156).

Perognathus mearnsi Allen.

1896. *Perognathus mearnsi* ALLEN, Bull. Amer. mus. nat. hist., VIII, p. 237. November 21, 1896.

TYPE LOCALITY.— Watson's Ranch, 15 miles southwest of San Antonio, Bexar County, Texas.

Regarded by Osgood (North Amer. fauna, no. 18, p. 21, September 20, 1900) as identical with *P. merriami* (p. 156).

Perognathus inornatus Merriam.

1889. *Perognathus inornatus* MERRIAM, North Amer. fauna, no. 1, p. 15. October 25, 1889.

TYPE LOCALITY.— Fresno, Fresno County, California.

Regarded by Osgood (North Amer. fauna, no. 18, p. 33, September 20, 1900) as identical with *P. longimembris* (p. 158).

Perognathus olivaceus amoenus Merriam.

1889. *Perognathus olivaceus amoenus* MERRIAM, North Amer. fauna, no. 1, p. 16. October 25, 1889.

TYPE LOCALITY.— Nephi, Juab County, Utah.

Regarded by Osgood (North Amer. fauna, no. 18, p. 37, September 20, 1900) as identical with *P. parvus olivaceus* (p. 159).

Perognathus paradoxus spilotus Merriam.

1889. *Perognathus paradoxus spilotus* MERRIAM, North Amer. fauna, no. 1, p. 25. October 25, 1889.

TYPE LOCALITY.— Gainesville, Cook County, Texas.

Regarded by Osgood (North Amer. fauna, no. 18, p. 42, September 20, 1900) as identical with *P. hispidus* (p. 160).

Perognathus latirostris Rhoads.

1894. *Perognathus latirostris* RHOADS, Amer. nat., xxviii, p.

185. February, 1894.

TYPE LOCALITY. — "Rocky Mountains."

Regarded by Osgood (North Amer. fauna, no. 18, p. 44, September 20, 1900) as identical with *P. hispidus paradoxus* (p. 160).

Perognathus conditi Allen.

1894. *Perognathus conditi* ALLEN, Bull. Amer. mus. nat. hist., vi, p. 318. November 7, 1894.

TYPE LOCALITY. — San Bernardino Ranch, Cochise County, Arizona.

Regarded by Osgood (North Amer. fauna, no. 18, p. 44, September 20, 1900) as identical with *P. hispidus paradoxus* (p. 160).

Perognathus obscurus Merriam.

1889. *Perognathus obscurus* MERRIAM, North Amer. fauna, no. 1, p. 20. October 25, 1889.

TYPE LOCALITY. — Camp Apache, Grant County, New Mexico.

Regarded by Osgood (North Amer. fauna, no. 18, p. 52, September 20, 1900) as identical with *P. intermedius* (p. 162).

Perognathus armatus Merriam.

1889. *Perognathus armatus* MERRIAM, North Amer. fauna, no. 1, p. 27. October 25, 1889.

TYPE LOCALITY. — Mount Diablo, central California.

Regarded by Osgood (North Amer. fauna, no. 18, p. 58, September 20, 1900) as identical with *P. californicus* (p. 163).

Zapus hudsonius hardyi Batchelder.

1899. *Zapus hudsonius hardyi* BATCHELDER, Proc. New England zool. club, i, p. 5.

TYPE LOCALITY. — Mount Desert Island, Hancock County, Maine.

Regarded by Preble (North Amer. fauna, no. 15, pp. 10, 15, August 8, 1899) as identical with *Z. hudsonius* (p. 166).

Zapus imperator Elliot.

1899. *Zapus imperator* ELLIOT, Field Columbian mus., publication 30, zool. ser., i, p. 228. February 1, 1899.

TYPE LOCALITY. — Sieg's Ranch, Elwah River, Clallam County, Washington.

Regarded by Preble (North Amer. fauna, no. 15, p. 26, August 8, 1899) as identical with *Z. trinotatus* (p. 167).

Sorex idahoensis Merriam.

1891. *Sorex idahoensis* MERRIAM, North Amer. fauna, no. 5, p. 32. July 30, 1891.

TYPE LOCALITY. — Timber Creek, Salmon River Mountains, Idaho.

Regarded by Merriam (North Amer. fauna, no. 8, p. 60, December 31, 1895) as identical with *S. personatus* (p. 235).

Sorex vagrans similis Merriam.

1891. *Sorex vagrans similis* MERRIAM, North Amer. fauna, no. 5, p. 34. July 30, 1891.

Preoccupied by *Sorex similis* HENSEL (Zeitschr. der deutsch. geolog. Gesellsch., VII, p. 459, 1855) and replaced by *S. obscurus* MERRIAM (p. 238).

Sorex saussurei caudatus Merriam.

1895. *Sorex saussurei caudatus* MERRIAM, North Amer. fauna, no. 10, p. 84. December 31, 1895.

Preoccupied by *Sorex caudatus* HORSFIELD (Cat. mamm. mus. East-India Company, p. 135, 1851, ex Hodgson, Ann. and mag. nat. hist., 2d ser., III, p. 203, March, 1849, *nomen nudum*) and replaced by *S. saussurei mutabilis* MERRIAM (p. 241).

Scapanus dilatus True.

1894. *Scapanus dilatus* TRUE, Diagnoses of new North American mammals, p. 2. April 26, 1894. (Reprint: Proc. U. S. nat. mus., XVII, p. 242. November 15, 1894.)

TYPE LOCALITY. — Fort Klamath, Klamath County, Oregon.

Regarded by True (Proc. U. S. nat. mus., XIX, p. 52, December 12, 1896) as identical with *S. californicus* (p. 251).

Vespertilio incautus J. A. Allen.

1896. *Vespertilio incautus* J. A. ALLEN, Bull. Amer. mus. nat. hist., VIII, p. 239. November 21, 1896.

TYPE LOCALITY. — San Antonio, Bexar County, Texas.

Regarded by Miller (North Amer. fauna, no. 13, p. 56, October 16, 1897) as identical with *Myotis velifer* (p. 255).

Vespertilio lucifugus austroriparius Rhoads.

1897. *Vespertilio lucifugus austroriparius* RHOADS, Proc. acad. nat. sci. Phila., p. 227. May 22, 1897.

TYPE LOCALITY. — Tarpon Springs, Hillsboro County, Florida.

Regarded by Miller (North Amer. fauna, no. 13, p. 60, October 16, 1897) as identical with *Myotis lucifugus* (p. 255).

Vespertilio melanorhinus Merriam.

1890. *Vespertilio melanorhinus* MERRIAM, North Amer. fauna, no. 3, p. 46. September 11, 1890.

TYPE LOCALITY. — Little Spring, north base of San Francisco Mountain, Coconino County, Arizona.

Regarded by Miller (North Amer. fauna, no. 13, p. 69, October 16, 1897) as identical with *Myotis californicus* (p. 256).

Vespertilio nitidus henshawii H. Allen.

1894. *V[espertilio] nitidus henshawii* H. ALLEN, Monogr. bats North Amer., p. 103. (1893) March 14, 1894.

TYPE LOCALITY. — Near Wingate, Bernalillo County, New Mexico.

Regarded by Miller (North Amer. fauna, no. 13, p. 69, October 16, 1897) as identical with *Myotis californicus* (p. 256).

Vespertilio gryphus septentrionalis Trouessart.

1897. [*Vespertilio gryphus*] *septentrionalis* TROUessant, Catal. mamm., pt. 1, p. 131.

TYPE LOCALITY. — Eastern United States; name based on the "northern form of *Vespertilio gryphus*" of H. Allen, Monogr. bats North Amer., p. 80, (1893) March 14, 1894.

Regarded by Miller (North Amer. fauna, no. 13, p. 75, October 16, 1897) as identical with *Myotis subulatus* (p. 257).

Vespertilio chrysonotus J. A. Allen.

1896. *Vespertilio chrysonotus* J. A. ALLEN, Bull. Amer. mus. nat. hist., VIII, p. 240. November 21, 1896.

TYPE LOCALITY. — Kinney Ranch, Sweetwater County, Wyoming.

Regarded by Miller (North Amer. fauna, no. 13, p. 77, October 16, 1897) as identical with *Myotis evotis* (p. 258).

Vesperugo merriami Dobson.

1886. *Vesperugo merriami* DOBSON, Ann. and mag. nat. hist., 5th ser., xviii, p. 124. August, 1886.

TYPE LOCALITY. — Supposed to have been Locust Grove, Lewis County, New York, but in fact Red Bluff, Tehama County, California.

Regarded by True, (Proc. U. S. nat. mus., x, p. 515, August 6, 1888) and Miller (North Amer. fauna, no. 13, p. 31, October 16, 1897) as identical with *Pipistrellus hesperus* (p. 259).

ERRATA.

- Page 6, line 7 from bottom, for "Cat. mus. p. 42" read Catal. des mamm. du mus. national d'hist. nat., p. 142.
- " 14, between lines 6 and 7 from bottom, insert:
1895. *Dorcelaphus virginianus macrourus* ALLEN, Bull. Amer. mus. nat. hist., vii, p. 263. August 21, 1895.
- " 16, line 11 from bottom, for "1828" read 1829.
- " 16, between lines 5 and 6 from bottom, insert:
1894. *Cariacus virginianus mexicanus* Rhoads, Amer. nat., xxviii, p. 525. June, 1894.
- " 18, line 11 from bottom, for "*rooseveltdti*" read *roosevelti*.
- " 18, line 16 from bottom, for "(Smith)" read (Hamilton Smith).
- " 20, between lines 7 and 8 from top, insert:
1896. *Rangifer groenlandicus* ALLEN, Bull. Amer. mus. nat. hist., viii, p. 234. November 21, 1896.
- " 25, line 10 from top, for "mammifères" read mammifères.
- " 36, line 10 from top, for "Yavapi" read Yavapai.
- " 52, line 19 from top, for "*Spermophilus*" read *S[permophilus]*.
- " 52, line 21 from top, for "*S[permophilus]*" read *Spermophilus*.

Page 56, after last line, insert :

1833. *Spermophilus macrourus* BENNETT, Proc. zool. soc. London, I, p. 41.

1889. *Spermophilus grammurus macrourus* ALLEN, Bull. Amer. mus. nat. hist., II, p. 170. October 21, 1889.

" 72, line 4 from top, omit comma after word Mountains.

" 93, line 22 from bottom, for "*Oryxomys*" read *Oryzomys*.

" 94, between lines 8 and 9 from top, insert :

1891. *Oryzomys palustris* ALLEN, Bull. Amer. mus. nat. hist., III, p. 215. April 17, 1891.

" 94, line 2 from bottom, for "177" read 178.

" 96, line 13 from top, for "Popocatpetl" read Popocatepetl.

" 100, line 3 from top, for "Card." read Carol.

" 104, lines 10 and 15 from bottom, for "30" read 27.

" 117, line 6 from bottom, for "*Nynomes*" read *Mynomes*.

" 166, lines 8 and 9 from top, for "Bull. U. S. geol. surv. terr., 2d ser., I," read Bull. U. S. geol. and geogr. surv. terr., I.

" 173, line 3 from top, for "I" read III.

" 221, line 18 from top, for "Skizziete" read Skizzirte.

" 227, lines 7 and 8 from bottom, for "Prodr. meth. mamm." read Prodr. syst. mamm. et avium.

" 243, between lines 4 and 5 from top, insert :

1890. *Sorex palustris* DOBSON, Monogr. insectivora, pt. III, fasc. I, pl. XXIII, fig. 18.

" 272, line 5 from bottom, for "1840" read 1839.

" 283, line 9 from top, insert parenthesis after 1838.

Page 48, line 11 from bottom, for "74" read 75.

Page 226, line 4 from top, for "*aequitorialis*" read *aequatorialis*.

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