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UNIVERSITY OF KANSAS
MUSEUM OF NATURAL HISTORY

MISCELLANEOUS
PUBLICATION
No. 79

**Type and Figured Specimens of
Fossil Vertebrates in the
Collection of the University of
Kansas Museum of Natural History
Part IV. Fossil Mammals**

By

Gregg E. Ostrander, Assefa Mebrate, and Robert W. Wilson

UNIVERSITY OF KANSAS
LAWRENCE 1986

November 21, 1986

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Part IV. Fossil Mammals

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GREGG E. OSTRANDER, ASSEFA MEBRATE, AND ROBERT W. WILSON

Museum of Natural History

The University of Kansas

Lawrence, Kansas 66045

U.S.A.

THE UNIVERSITY OF KANSAS
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CONTENTS

INTRODUCTION	1
A BRIEF HISTORY OF THE FOSSIL MAMMAL COLLECTIONS.	2
ACKNOWLEDGMENTS.	3
CATALOGUE	4
Class Mammalia	4
Subclass Allotheria	4
Order Multituberculata	4
Subclass Theria	5
Order Marsupialia	5
Order Proteutheria	5
Order Insectivora	6
Order Chiroptera	14
Order Primates	14
Order Edentata	16
Order Lagomorpha	17
Order Rodentia	21
Order Carnivora	52
Order Condylarthra	59
Order Notoungulata	59
Order Proboscidea	60
Order Sirenia	61
Order Perissodactyla	61
Order Artiodactyla	66
LITERATURE CITED	74
APPENDIX: GENERA AND SPECIES LISTED	78

INTRODUCTION

This catalogue is a continuation of a series which lists the type specimens and figured specimens in the University of Kansas Museum of Natural History fossil vertebrate collection. The previous catalogues covered the fossil fish, fossil reptiles and amphibians, and fossil birds. Contained in this catalogue are the fossil mammals.

The systematic classification used is a combination of those proposed by Simpson (1945) and Romer (1966) with the exception of the rodents in which the classification of Wood (1955) is employed. The groups that are listed in the following classification are only those to which type and figured specimens in the University of Kansas vertebrate paleontology collection have been assigned. For more detailed explanations concerning format and abbreviations used throughout the catalogue consult Type and Figured Specimens of Fossil Vertebrates in the Collection of the University of Kansas Museum of Natural History Part I. Fossil Fish.

Class Mammalia

Subclass Allotheria

Order Multituberculata

Suborder Ptilodontoidea

Suborder Taeniolabidoidea

Subclass Theria

Infraclass Metatheria

Order Marsupialia

Superfamily Didelphoidea

Infraclass Eutheria

Order Proteutheria

Superfamily Palaeoryctoidea

Order Insectivora

Superfamily Apatemyoidea

Superfamily Erinaceoidea

Superfamily Pantolestoidea

Superfamily Mixodectoidea

Order Chiroptera

Suborder Microchiroptera

Superfamily Phyllostomatoidea

Superfamily Vespertilionoidea

Order Primates

Superfamily Plesiadapoidea

Suborder Prosimii

Superfamily Lemuroidea

Suborder Anthropoidea

Superfamily Hominoidea

Order Edentata

Suborder Xenarthra

Infraorder Cingulata

Superfamily Megalonychoidea

Superfamily Dasypodoidea

Order Lagomorpha

Order Rodentia

Suborder Sciuromorpha

(Protrogomorpha)

Superfamily Ischyromyoidea

Superfamily Aplodontoidea

Superfamily Sciuroidea

Suborder Caviomorpha

Superfamily Octodontoidea

Suborder Myomorpha

Superfamily Muroidea

Superfamily Dipodoidea

Superfamily Geomyoidea

Suborder Castorimorpha

Superfamily Castoroidea

Order Carnivora

Suborder Fissipeda

Superfamily Canoidea

Superfamily Feloidae

Order Condylarthra

Order Notoungulata

Suborder Typotheria

Order Proboscidea

Suborder Elphantoidea

Order Sirenia

Order Perissodactyla

Superfamily Equoidea

Superfamily Brontotherioidea

Suborder Ceratomorpha

Superfamily Tapiroidea

Order Artiodactyla

Suborder Suiformes

Infraorder Palaeodonta

Superfamily Dichobunoidea

Infraorder Suina

Superfamily Suoidea

Infraorder Oreodonta

Superfamily Merycoidodontoidea

Suborder Tylopoda

Suborder Ruminantia

Infraorder Pecora

Superfamily Cervoidea

Superfamily Bovoidea

The following information is included concerning each cited specimen: currently used catalogue number and old number if used in publication; name published under;

author and year of publication; figure; preserved anatomical part(s) of the specimen; geologic stage; North American Land Mam-

mal Age (see Wood et al., 1941), formation, member; locality and collector (where-known).

A BRIEF HISTORY OF THE FOSSIL MAMMAL COLLECTIONS

The first fossil mammal to be deposited in the collections of the University of Kansas was a lower jaw of a mastodon, *Mammut americanum*, found near Lawrence in 1877 (KUVP 5983; the specimen was not catalogued until several years after its collection). Collecting of fossil mammals, however, from that time to 1894, was sporadic and subordinated to fish and reptile collection from the Upper Cretaceous "chalk" of western Kansas. Such specimens as were collected were generally Pleistocene or from the Ogallala at Long Island, Kansas. Thus, T. R. Overton and Judge E. P. West collected sufficient rhinoceros remains to have a *Teleoceras fossiger* mount prepared by H. T. Martin in 1893. This mount seems to have been the first mounted specimen of a fossil rhinoceros to be set up anywhere in the world.

S. W. Williston joined the staff of the University of Kansas in 1890, and launched into an active field program, but mostly in quest of lower vertebrates. He did, however, lead an expedition into the Big Badlands of South Dakota in 1894, and thus acquired the first systematic collection of fossil mammals at the University.

By the time Williston went to the University of Chicago in 1902, H. T. Martin—a self-taught collector and paleontologist—had been hired on a permanent basis as a preparator (and later as an assistant curator) of the collections of the Museum of Vertebrate Paleontology, soon to be housed in the new Museum of Natural History building (Dyche Hall). Martin was primarily interested in collecting and preparing fossil vertebrates. Up to the time of his death in 1931, his field operations increased the fossil mammal holdings to a significant degree. His principal collecting sorties were:

1) Patagonia 1903. Parts of this collection are at Harvard and the British Museum (Natural History), but a considerable assemblage of Santa Cruz (early Miocene) mammals is at the University of Kansas.

(2) John Day Oligocene (C. E. McClung in charge).

(3) Northeast Colorado 1911 and 1925. White River Oligocene and overlying Miocene of the Ogallala. Martin had been in northeast Colorado previously when employed by the American Museum of Natural History in the expedition of 1898 led by W. D. Matthew.

(4) Excavations at the Edson and Rhino Hill Quarries, northwest Kansas 1924, 1926, and 1928. Ogallala Formation.

(5) Bridger Basin, Bridger Formation of middle Eocene age, 1927 (H. H. Lane in charge).

Shortly after Martin's death, C. W. Hibbard was appointed assistant curator under the direction of H. H. Lane, then Museum Director. From 1935 to 1946, Hibbard concentrated his field activities in southwest Kansas in the Plio-Pleistocene. Early on, he developed his system of underwater screening for the recovery of micromammalian remains. This method, although not the invention of Hibbard, was put on a "paying" basis by him, and has revolutionized the recovery of small mammals of all kinds. He summed up his collecting methods by the now famous statement, "I collect outcrops, not fossils."

From 1947 to 1961, R. W. Wilson was in charge of the fossil vertebrate collections. He attempted to fill gaps in the Paleogene mammal collections by leading parties to the San Juan Basin Paleocene (1948, 1950, 1956); to the Bighorn Basin (1949) for early Eocene; to the Bridger Basin (1958) for middle Eocene, and to the Uinta Basin (1959) for late Eocene. In addition, and in collaboration with E. C. Galbreath, he continued collecting on a yearly basis in northeast Colorado for Oligocene and Miocene specimens.

W. A. Clemens, Jr. was curator of fossil mammals from 1961 through 1967. He collected in the Paleocene of the San Juan Basin, but, more especially, he directed his

activities to the obtaining of Late Cretaceous mammal assemblages from that basin. Under the immediate direction of J. A. Lillegraven, an important Late Cretaceous collection was also obtained in Alberta, Canada, but this collection has been returned to Canada.

C. C. Black became curator of the mammal collection in 1970, and added to the Eocene, Oligocene, and Miocene collections from Wyoming. Black left the University of Kansas in 1972, and Larry Martin was appointed to replace him, a position he still holds. Tertiary collections from the early Miocene of Nebraska, and a large and important Pleistocene assemblage from Natural Trap Cave, Wyoming, have been the chief additions in recent years.

It may be added that R. R. Camp became preparator in vertebrate paleontology under Hibbard (1945), and continued in this position under Wilson and Clemens until his death in 1967. He was an important participant in eight summers of collecting in his tenure as preparator. Orville Bonner replaced Camp in 1968, and later was made vertebrate paleontologist of the Museum, his present position. During this interval, he has participated in many field trips concerned

with the collecting of fossil mammals, as well as adding important specimens to the Museum's Upper Cretaceous chalk collection.

In addition to the staff members mentioned, many students, undergraduate as well as graduate, were active in adding to the collections of fossil mammals. Their contributions may be ascertained by consulting the field records at the Museum of Natural History, and here they are collectively acknowledged with gratitude.

In summary it can be said that the fossil mammal collections are especially rich in small mammals of Oligocene through Pleistocene age. The Kutz Canyon, San Juan Basin, collection of middle Paleocene (Torrejoinian) age is also outstanding.

A total of 822 specimens have been figured and of these we were unable to relocate 39. Holotypes number 114 of which 5 were not relocated and 27 of the 197 paratypes were not relocated. There is one topotype in the fossil mammal collection, 26 holotypes that represent type-species of the genus, 9 holotypes have been synonymized, 2 were preoccupied, and all but 3 paratypes are valid.

ACKNOWLEDGMENTS

We thank L. D. Martin, O. W. Bonner, H. P. Schultze, J. Chorn, J. D. Stewart, and J. Neas, Museum of Natural History, University of Kansas, for their assistance throughout the task of putting the catalogue together. The authors wish to thank Drs. Mary R. Dawson and Craig C. Black for critically reviewing the manuscript and making helpful suggestions for its improvement.

We, however, take full responsibility for any errors or omissions that remain. We also wish to express our gratitude to Jan Elder and Coletta Spencer of the Division of Biological Sciences for typing the manuscript. Funding in support of this project was provided by an NSF collection reorganization grant number DEB-8115956.

CATALOGUE

CLASS MAMMALIA Linnaeus 1758
 Subclass Allotheria Marsh 1880
 Order Multituberculata Cope 1884
 Suborder Ptilodontoidea Sloan and Van Valen 1965
 Family Neoplagiaulacidae Ameghino 1890
Ectypodus Matthew and Granger 1921
Ectypodus szalayi Sloan 1981

- KUVP 9535 *Ectypodus szalayi* new species—Sloan 1981: p. 146, text-fig. 6.10; palate with M_b , Left I, Right P^1 - P^2 , and roots of P^3 - P^4 .
 Tertiary, Middle Paleocene, Torrejonian, *Deltatherium* Zone, Nacimiento Formation; Kutz Canyon, NW $\frac{1}{4}$, Sec. 14, T27N, R11W, San Juan County, New Mexico; collected by R. W. Wilson 1950.

- Ectypodus? macrotomeus* Wilson 1965
 KUVP 7908 *Ectypodus? macrotomeus* new species—Wilson 1965: p. 78, text-fig. 1A; holotype, right lower jaw with P_3 - M_2 .
 Tertiary, Middle Paleocene, Torrejonian, Nacimiento Formation, head of Kimbetoh Arroyo, NW $\frac{1}{4}$, Sec. 2, T23N, R9W, San Juan County, New Mexico; collected by R. W. Wilson 1948.

- Mimetodon* Jepsen 1940
Mimetodon krausei Sloan 1981
 KUVP 16002 *Mimetodon krausei* new species—Sloan 1981: p. 144, text-fig. 6.9; holotype, crushed left maxillary with P^1 - M^2 .
 Tertiary, Middle Paleocene, Torrejonian, *Deltatherium* Zone, Nacimiento Formation; "Little Pocket," NW $\frac{1}{4}$, Sec. 2, T23N, R9W, San Juan County, New Mexico. Wilson (1965A) referred to KUVF locality 9 as the head of Kimbetoh Arroyo, Sloan (1981) refers to this locality as "Little Pocket." The KUVF locality catalogue has the locality listed as "small Kimbetoh pocket." All of these references are to the same locality KU-NM-09. The collector of this specimen is uncertain but it is possibly J. Whetstone 1963.

- Parectypodus* Jepsen 1930
Parectypodus clemensi Sloan 1981
 KUVP 16001 *Parectypodus clemensi* new species—Sloan 1981: p. 138, text-fig. 6.6; holotype, crushed rostrum and lower jaws.
 KUVP 14032 *Parectypodus clemensi* new species—Sloan 1981: p. 139, text-fig. 6.7; left M_b .
 KUVP 14032, 16001 Tertiary, Middle Paleocene, Torrejonian, *Deltatherium* Zone, Nacimiento Formation; Kutz Canyon, NW $\frac{1}{4}$, Sec. 14, T27N, R11W, San Juan County, New Mexico; collected by W. A. Clemens 1962.

- Family Cimolodontidae Marsh 1889
Anconodon Jepsen 1940
Anconodon gidleyi (Simpson 1935)
 KUVP 12673 *Anconodon gidleyi* (Simpson)—Sloan 1981: text-fig. 6.11; left M_b .
 Tertiary, Middle Paleocene, *Deltatherium* Zone, Nacimiento Formation, Kutz Canyon, NW $\frac{1}{4}$, Sec. 14, T27N, R11W, San Juan County, New Mexico; collected by J. Whetstone 1963.

Suborder Taenirolabidoidea Sloan and Van Valen 1965
 Family Cimolomyidae Marsh 1889
Meniscoessus Cope 1882
Meniscoessus robustus (Mars $\frac{1}{1}$) 1889)

- KUVP 12897 *Meniscoessus robustus* (Marsh)—Clemens 1973: text-fig. 30 D, E; left maxilla with P¹-P² and M¹.
Late Cretaceous, Maastrichtian, Lance Formation; Bushy Tailed Blowout, N 1/2, Sec. 20, T37N, R64W, Niobrara County, Wyoming; not relocated.
- Family Eucosmodontidae Jepsen 1940
Eucosmodon Matthew and Granger 1921
Eucosmodon americanus (Cope 1885)
- KUVP 9401 *Eucosmodon americanus* (Cope)—Wilson 1956A: text-figs. 1 and 1A; left upper dentition including P², P⁴, incomplete M¹ and M².
- KUVP 9402 *Eucosmodon americanus* (Cope)—Wilson 1956A: text-fig. 2; left M₁.
- KUVP 9401-2 Tertiary, early Paleocene, Puercan, "Taeniolabis Zone;" Barrel Spring Arroyo, W 1/2, Sec. 11, T24N, R11W, San Juan County, New Mexico; collected by R. W. Wilson and party 1950.
- Eucosmodon?* sp.
- KUVP 7910 *Eucosmodon?* sp.—Wilson 1956A: text-fig. 3; P³?
Tertiary, middle Paleocene, Torrejonian, Nacimiento Formation; head of Kimbetoh Arroyo, NW 1/4, Sec. 2, T23N, R9W, San Juan County, New Mexico; collected by R. W. Wilson and party 1950.
- Subclass Theria Parker and Haswell 1897
Infraclass Metatheria Huxley 1880
Order Marsupialia Illiger 1811
Superfamily Didelphoidea Osborn 1910
Family Didelphidae Gray 1821
Pedionomys Marsh 1889
Pedionomys elegans Marsh 1889
- KUVP 14945 *Pedionomys elegans* Marsh—Clemens 1973: text-figs. 31A, B; fragment of right maxilla with P³ and M¹.
Late Cretaceous, Maastrichtian, Lance Formation; Bushy Tail Blowout, 25 miles northwest of Lusk, Wyoming, 3,000 yards N45°W of bench mark R-100; collected by W. A. Clemens and party 1965.
- Pedionomys florencae* n. sp. Clemens 1966
- KUVP 12953 *Pedionomys?* *florencae*—Clemens 1966: text-fig. 75; fragment of left dentary with M₂ and alveoli for M₃-M₄. Clemens referred this specimen to *P. florencae* with question due to the type being composed of the upper dentition and the lower dentition not being in direct association.
Late Cretaceous, Maastrichtian, Lance Formation, Bushy Tail Blowout, 25 miles northwest of Lusk, Wyoming, 3,000 yards N45°W of bench mark R-100; collected by W. A. Clemens and party 1965.
- Infraclass Eutheria Gill 1872
Order Proteutheria Romer 1966
Superfamily Palaeoryctoidea (Winge 1917)
Family Palaeoryctidae Simpson 1931
Cimolestes Matthew 1887
Cimolestes simpsoni (Reynolds 1936)
- KUVP 9411 *Cimolestes simpsoni* (Reynolds)—Clemens 1973: text-fig. 20A, B, and C; left mandible with M₂ and talonid of M₃.
- KUVP 9412 *Cimolestes simpsoni* (Reynolds)—Clemens 1973: text-fig. 20D-E; left mandible with fragment of M₃; text-fig. 20F-G; maxilla with fragments of M²-M³. Clemens stated that KUVP 9412 was possibly referable to "Puerco Genus B."

KUVP 9411-2 Tertiary, early Paleocene, Puercan, "Taeniolabis Zone," Barrel Spring Arroyo, W¹/₂, Sec. 11, T24N, R11W, San Juan County, New Mexico; collected by R. Rinker 1950.

Procerberus Sloan and Van Valen 1965

Procerberus formicarum Sloan and Van Valen 1965

KUVP 16079 *Procerberus formicarum* Sloan and Van Valen—Lillegraven 1969: text-fig. 32-1; right P₄.

KUVP 16078 *Procerberus formicarum* Sloan and Van Valen—Lillegraven 1969: text-fig. 32-2; left P₃.

KUVP 16078-9 Late Cretaceous, Maastrichtian, Hell Creek Formation; Bug Creek Ant Hills, SW¹/₄, SW¹/₄, Sec. 9, T22N, R43E, McCone County, Montana; collected by W. A. Clemens and party 1962.

Family? Palaeoryctidae

Acmeodon Matthew and Granger 1921

Acmeodon cf. *A. secans* Matthew and Granger 1921

KUVP 9536 *Acmeodon* cf. *A. secans* Matthew and Granger—Wilson 1985: text-fig. 1; right upper jaw with P³-M², incomplete M³ and mandible with left I₃, C, P₂, P₄-M₃, right P₂-M₁. Text-fig. 2; right upper jaw with P³-M², incomplete M³. Left upper jaw with P², C, P³ roots. Left lower jaw with I₃-P₂, P₄-M₃. Tertiary, middle Paleocene, Torrejonian, Nacimiento Formation, NW¹/₄, Sec. 14, T27N, R11W, San Juan County, New Mexico; collected by R. W. Wilson and R. Rinker, 1950.

Order Insectivora Bowdich 1821

Superfamily Apatemyoidea Matthew 1909

Family Apatemyidae Matthew 1909

Sinclairiella Jepsen 1934

Sinclairiella dakotensis Jepsen 1934

KUVP 11210 *Sinclairiella dakotensis* Jepsen—Clemens 1964: text-fig. 20.
Sinclairiella dakotensis Jepsen—West 1973: text-fig. 20; left maxilla with P⁴-M².

Tertiary, middle Oligocene, Orellan, White River Formation, Cedar Creek Member; center of W¹/₂, Sec. 21, T11N, R53W, Logan County, Colorado; collected by R. H. Pine 1958.

Superfamily Erinaceoidea Gill 1872

Family Adapiscoricidae Schlosser 1887

Ankyledon Patterson and McGrew 1937

Ankyledon progressus Galbreath 1953

KUVP 8153 *Ankyledon progressus* new species—Galbreath 1953: p. 46, text-fig. 13A-B; holotype, right jaw with M₁-M₃.

Tertiary, middle Oligocene, Orellan, White River Formation, Cedar Creek Member, Clyde Ward Ranch, SW¹/₄, Sec. 12, T11N, R54W, Logan County, Colorado; collected by E. C. Galbreath 1948.

Family Erinaceidae Fischer von Waldheim 1817

Amphechinus Aymard 1950

Amphechinus horncloudi (Macdonald 1970)

KUVP 18097 *Amphechinus horncloudi* (Macdonald)—Rich and Rasmussen 1973: text-fig. 8; left maxilla fragment.

Tertiary, early Miocene, Arikarean, Upper Cabbage Patch beds; Tavenner

- Ranch locality 2, NW¹/₄, NW¹/₄, SW¹/₄, SW¹/₄, Sec. 11, T8N, R10W, Powell County, Montana; collected by D. L. Rasmussen 1969.
- KUVP 18162 *Amphechinus horncloudi* (Macdonald)—Rich and Rasmussen 1973: text-fig. 7C, 9; right mandible.
Tertiary, early Miocene, Arikareean, middle Cabbage Patch beds; Cabbage Patch locality 3, SE¹/₄, NE¹/₄, SE¹/₄, SW¹/₄, Sec. 7, T10N, R11W, Powell County, Montana; collected by D. L. Rasmussen 1969.
- KUVP 18163 *Amphechinus horncloudi* (Macdonald)—Rich and Rasmussen 1973: text-fig. 10; skull fragment.
Tertiary, early Miocene, Arikareean, middle Cabbage Patch beds; Cabbage Patch locality 2, SE¹/₄, NW¹/₄, SW¹/₄, SE¹/₄, Sec. 1, T10N, R12W, Granite County, Montana; collected by D. L. Rasmussen 1969.
- Brachyerix* Matthew 1933
Brachyerix incertis (Matthew 1924)
- KUVP 23498 *Brachyerix incertis* (Matthew)—Rich 1981: text-fig. 12; left mandible fragment, not relocated.
Tertiary, late Miocene, Barstovian; Madison Valley Formation, Ancney locality, SE¹/₄, SE¹/₄, NW¹/₄, Sec. 13, T2S, R3E, Gallatin County, Montana.
- Stenoechinus* Rich and Rasmussen 1973
Stenoechinus tantalus Rich and Rasmussen 1973
(Type-Species)
- KUVP 18001 *Stenoechinus tantalus* n. gen. and n. sp.—Rich and Rasmussen 1973: p. 5, text-fig. 2A, B, and C; holotype, right mandible with M₁-M₃.
Tertiary, early Miocene, Arikareean, upper Cabbage Patch beds, Tavenner Ranch locality 2, NW¹/₄, NW¹/₄, SW¹/₄, SW¹/₄, Sec. 11, T8N, R10W, Powell County, Montana; collected by D. L. Rasmussen 1969.
- KUVP 18406 *Stenoechinus tantalus* n. gen. and n. sp.—Rich and Rasmussen 1973: text-fig. 2D; left mandible with M₁-M₃.
- KUVP 18002 *Stenoechinus tantalus* n. gen. and n. sp.—Rich and Rasmussen 1973: text-fig. 3; left mandible.
- KUVP 18359 *Stenoechinus tantalus* n. gen. and n. sp.—Rich and Rasmussen 1973: text-fig. 4A; right M².
- KUVP 18098 *Stenoechinus tantalus* n. gen. and n. sp.—Rich and Rasmussen 1973: text-fig. 4B; right M².
- KUVP 18002, 18098, 18359, 18406 Tertiary, early Miocene, Arikareean, middle Cabbage Patch beds; Cabbage Patch locality 13, C, SW¹/₄, SE¹/₄, Sec. 1, T10N, R12W, Granite County, Montana; collected by D. L. Rasmussen 1969.
- Erinaceinae indet.
- KUVP 18396 Erinaceinae, genus and species indet.—Rich and Rasmussen 1973: text-fig. 17; right M².
Tertiary, early Miocene, Arikareean, middle Cabbage Patch beds; Cabbage patch locality 4, SW¹/₄, SE¹/₄, SW¹/₄, SE¹/₄, Sect. 1, T10N, R12W, Granite County, Montana; collected by D. L. Rasmussen 1969.
- Family Talpidae Gray 1825
Hesperoscalops Hibbard 1941A
Hesperoscalops rexroadi Hibbard 1941A
(Type-Species)
- KUVP 4684 *Hesperoscalops rexroadi* n. gen. and sp.—Hibbard 1941A: p. 337, text-fig. 1; holotype, incomplete right ramus with M₂-M₃.
- KUVP 4684a *Hesperoscalops rexroadi* n. gen. and sp.—Hibbard 1941A: p. 338; paratype, not figured.

- Hesperoscalops rexroadi* Hibbard—Hibbard 1941B: pl. II, text-fig. 2; paratype, left M^1 - M^2 .
- KUVP 4684, 4684a Tertiary, Upper Pliocene, Rexroad Formation; NE $^{1/4}$, NW $^{1/4}$, Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1938.
- KUVP 7691 *Hesperoscalops rexroadi* Hibbard—Hibbard and Riggs 1949: text-fig. 2B; left M_1 or M_2 .
Tertiary, Upper Pliocene, Rexroad Formation; Keefe Canyon, SW $^{1/4}$, SW $^{1/4}$, Sec. 34, T34S, R30W, Meade County, Kansas; collected by E. S. Riggs and party 1945.
- Mystipterus* Hall 1930
Mystipterus (Mydecodon) martini Wilson 1960
(Type-Species)
- KUVP 10058 *Mydecodon martini* n. gen. and n. sp.—Wilson 1960: p. 39, text-fig. 32; holotype, right ramus with P_4 - M_3 .
Mystipterus martini Wilson—Savage and Russell 1983: text-fig. 6-9B; lower jaw; text-fig. 32 in Wilson 1960.
- KUVP 10062 *Mydecodon martini* n. gen. and n. sp.—Wilson 1960: text-fig. 33; left ramus with M_1 - M_2 .
- KUVP 10058, 10062 Tertiary, early Miocene, Arikareean, Pawnee Creek Formation; Quarry A, NE $^{1/4}$, Sec. 27, T11N, R53W, Logan County, Colorado; collected by R. W. Wilson and party 1951-1952.
- Oligoscalops* K. Reed 1961
Arctoryctes galbreathi C. Reed 1956
- KUVP 9837 *Arctoryctes galbreathi* sp. nov.—Reed 1956: p. 307, text-figs. 130C-D; holotype, right humerus.
Tertiary, middle Oligocene, Orellan, Cedar Creek Member, White River Formation, W $^{1/2}$, Sec. 7, T11N, R53W, Logan County, Colorado; collected by R. W. Wilson and party 1949.
- Oligoscalops galbreathi* (C. Reed 1956)
- KUVP 8143 *Oligoscalops whitmanensis*—Reed 1961: plate I, fig. 5; left ramus with P_2 - M_3 .
Tertiary, middle Oligocene, Orellan, Cedar Creek Member, White River Formation; W $^{1/2}$, Sec. 7, T11N, R53W, Logan County, Colorado; collected by E. C. Galbreath 1948.
- Reed (1961) placed *Oligoscalops* in the family Talpidae and the subfamily Proscalopinae. Barnosky (1981) raised the Proscalopinae to family rank, however, the older classification is followed here.
- Proscalops* Matthew 1901
Proscalops sp. cf. *P. secundus* Matthew 1909
- KUVP 10092 *Proscalops* sp. cf. *P. secundus* Matthew—Wilson 1960: text-fig. 41; right M^2 .
- KUVP 10091 *Proscalops* sp. cf. *P. secundus* Matthew—Wilson 1960: text-fig. 42; right M^2 .
- KUVP 10093 *Proscalops* sp. cf. *P. secundus* Matthew—Wilson 1960: text-fig. 43; left M^1 .
- KUVP 10099 *Proscalops* sp. cf. *P. secundus* Matthew—Wilson 1960: text-fig. 44; right M_3 .
- KUVP 10096 *Proscalops* sp. cf. *P. secundus* Matthew—Wilson 1960: text-fig. 45; right M_2 .
- KUVP 10098 *Proscalops* sp. cf. *P. secundus* Matthew—Wilson 1960: text-fig. 46; left M_3 .
- KUVP 10091-3, 10096, 10098-9 Tertiary, early Miocene, Arikareean, Pawnee Creek Formation, Martin Canyon local fauna; Quarry A, NE $^{1/4}$, Sec. 27, T11N, R53W, Logan County, Colorado; collected by R. W. Wilson and party 1951-1952.

Mioscalops new name**Mioscalops isodens* (Wilson 1960)

(Type-Species)

- KUVP 10061 *Scalopoides isodens* n. gen. and n. sp.—Wilson 1960: p. 43, text-fig. 34; holotype, left lower jaw with I₃-P₁, P₄-M₂.
- KUVP 10071 *Scalopoides isodens* n. gen. and n. sp.—Wilson 1960: text-fig. 35; left lower jaw with M₃.
- KUVP 10073 *Scalopoides isodens* n. gen. and n. sp.—Wilson 1960: text-fig. 36; left M₂.
- KUVP 10068 *Scalopoides isodens* n. gen. and n. sp.—Wilson 1960: text-fig. 37; right M₂.
- KUVP 10070 *Scalopoides isodens* n. gen. and n. sp.—Wilson 1960: text-fig. 38; right M₃.
- KUVP 10082 *Scalopoides isodens* n. gen. and n. sp.—Wilson 1960: text-fig. 39; right humerus.
- KUVP 15572 *Scalopoides isodens* Wilson—Hutchison 1968: text-fig. 42; proximal end of right scapula.
Scalopoides isodens Wilson—Savage and Russell 1983: text-fig. 6-9C; humerus; text-fig. 39 in Wilson 1960.
Scalopoides isodens Wilson—Hutchison 1968: text-fig. 42C; clavicular region of the humerus with deltoid restored from KUVP 10084.
- KUVP 10084 *Scalopoides isodens* Wilson—Hutchison 1968: text-fig. 42C; deltoid of humerus with clavicular region of the humerus from KUVP 10082.
- KUVP 15576 *Scalopoides isodens* Wilson—Hutchison 1968: text-fig. 44A; proximal end of right ulna.
- KUVP 15577 *Scalopoides isodens* Wilson—Hutchison 1968: text-fig. 44B; distal end of right ulna.
- KUVP 15579 *Scalopoides isodens* Wilson—Hutchison 1968: text-fig. 45; right radius.
- KUVP 10067-8, 10070-1, 10073, 10082, 10084, 15572, 15576-7, 15579 Tertiary, early Miocene, Arikareean, Pawnee Creek Formation, Martin Canyon local fauna; Quarry A, NE¹/₄, Sec. 27, T11N, R53W, Logan County, Colorado; collected by R. W. Wilson and party 1951-1952.

Scalopus Geoffroy 1803*Scalopus aquaticus* (Linnaeus 1758)

- KUVP 6673 *Scalopus aquaticus* (Linnaeus)—Hibbard 1943B: pl. 19, fig. 16; right humerus. Quaternary, Pleistocene; Rezabeck gravel pit, SE¹/₄, Sec. 20, T13S, R10W, Lincoln County, Kansas; collected by C. W. Hibbard and party 1942.

Scalopus sp.

- KUVP 4624 *Scalopus* sp.—Hibbard 1941B: pl. 1, fig. 1; right humerus. Tertiary, Pliocene, Blancan, Rexroad Formation; NE¹/₄, NW¹/₄, Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1937.

Talpidae indet.

- KUVP 4928 Talpidae—Hibbard 1939B: text-fig. 1; humerus; not relocated. Tertiary, Late Miocene, Hemphillian, Ogallala Formation, Edson Quarry, SW¹/₄, Sec. 25, T10S, R38W, Sherman County, Kansas; collected by H. T. Martin and party 1928.

Superfamily Soricoidae Gill 1872

Family Plesiosoricidae Winge 1917

* *Mioscalops*, a new name for *Scalopoides* Wilson 1960, preoccupied.

It has been called to my attention by Dr. J. Howard Hutchison, that *Scalopoides* Wilson 1960, a Miocene mole, is a junior homonym of *Scalopoides* Bode 1953, a coleopteran from the Upper Lias of Europe. I therefore propose the new name *Mioscalops* to replace *Scalopoides* Wilson-R.W.W.

Plesiosorex Pomel 1848*Plesiosorex coloradensis* Wilson 1960

- KUVP 9989 *Plesiosorex coloradensis* n. sp.—Wilson 1960: p. 23, text-figs. 11A, B, and C.
Plesiosorex coloradensis Wilson—Engesser 1979: pl. 3, fig. B, pl. 4, fig. B.
 Holotype, right ramus and left ramus.
- KUVP 9990 *Plesiosorex coloradensis* n. sp.—Wilson 1960: text-figs. 9A-B; skull fragment.
Plesiosorex coloradensis Wilson—Engesser 1979: text-figs. 1G-I; left M¹.
- KUVP 9995 *Plesiosorex coloradensis* n. sp.—Wilson 1960: text-fig. 10; left M².
- KUVP 10002 *Plesiosorex coloradensis* n. sp.—Wilson 1960: text-figs. 12A-B; left M₂; not relocated.
- KUVP 9998 *Plesiosorex coloradensis* n. sp.—Wilson 1960: text-figs. 13A-B; right M₁.
- KUVP 10001 *Plesiosorex coloradensis* Wilson—Engesser 1979: pl. 4, fig. B; left M₂.
- KUVP ? *Plesiosorex* Pomel—Butler 1972: text-fig. 2 PL; right M² (after Wilson, 1960).
 Text-fig. 5 PL; maxilla (after Wilson, 1960).
- KUVP 9989-90, 9995, 9998, 10001-2 Tertiary, early Miocene, Arikareean, Pawnee Creek Formation, Martin Canyon local fauna; Quarry A, NE¹/₄, Sec. 27, T11N, R53W, Logan County, Colorado; collected by R. W. Wilson and party 1951-52.

Family Geolabididae McKenna 1960

Centetodon March 1872*Centetodon* sp. cf. *C. marginalis* (Cope 1873)

- KUVP 16606 *Centetodon* sp. cf. *C. marginalis* (Cope)—Setoguchi 1978: text-fig. 10A; left P⁴.
 Tertiary, middle Oligocene, Orellan, Badwater Creek, NW¹/₄, Sec. 24, T39N, R89W, Natrona County, Wyoming. Setoguchi (1978) determined the age of the Cedar Ridge local fauna to be Whitneyan but Korth (1981a) cited evidence for an Orellan age.

Family Soricidae Gray 1821

Blarina Gray 1838*Blarina fossilis* Hibbard 1943B

- KUVP 6675 *Blarina fossilis* sp. nov.—Hibbard 1943B: p. 238, text-fig. 2.
Blarina fossilis Hibbard—Hibbard 1955: text-fig. 4E; holotype, right ramus bearing M₃.
 Quaternary, Pleistocene; Rezabeck gravel pit, SE¹/₄, Sec. 20, T13S, R10W, Lincoln County, Kansas; collected by C. W. Hibbard and party 1942.

Domnina Cope 1873*Domnina compressa* Galbreath 1953

- KUVP 8154 *Domnina compressa* new species—Galbreath 1953: p. 47, text-fig. 14; holotype, right jaw with teeth.
 Tertiary, middle Oligocene, Orellan, White River Formation, Cedar Creek Member, SW¹/₄, Sec. 21, T11N, R53W, Logan County, Colorado; collected by E. C. Galbreath 1948.

Heterosorex Gaillard 1915*Heterosorex roperi* Wilson 1960

- KUVP 10008 *Heterosorex roperi* n. sp.—Wilson 1960: p. 29, text-figs. 21A, B, C, and D; holotype, left ramus with M₁-M₃.
- KUVP 10015 *Heterosorex roperi* n. sp.—Wilson 1960: text-fig. 14; left P³-P⁴.
- KUVP 9280 *Heterosorex roperi* n. sp.—Wilson 1960: text-fig. 15; right I²-C.
- KUVP 10019 *Heterosorex roperi* n. sp.—Wilson 1960: text-fig. 16; left P⁴.
- KUVP 10018 *Heterosorex roperi* n. sp.—Wilson 1960: text-fig. 17; left M¹-M².

- KUVP 10016 *Heterosorex roperi* n. sp.—Wilson 1960: text-fig. 18; right M¹-M³.
 KUVP 10010 *Heterosorex roperi* n. sp.—Wilson 1960: text-fig. 19; right I².
 KUVP 10029 *Heterosorex roperi* n. sp.—Wilson 1960: text-fig. 20; left I-C.
 KUVP 10030 *Heterosorex roperi* n. sp.—Wilson 1960: text-figs. 22A-B; left ramus with I, M₁ and incomplete M₂.
 KUVP 10302 *Heterosorex roperi* Wilson—Wilson 1963: text-figs. 1-2; right upper jaw with I³-M¹.
 KUVP 9280, 10008, 10010, 10015-16, 10018-19, 10029-30, 10302 Tertiary, early Miocene, Arikareean, Pawnee Creek Formation, Martin Canyon local fauna; Quarry A, NE¹/₄, Sec. 27, T11N, R53W, Logan County, Colorado; collected by R. W. Wilson and party 1951-52.
 Microsorex Baird 1877
 Microsorex pratensis Hibbard 1944A
 KUVP 6470 *Microsorex pratensis* n. sp.—Hibbard 1944A: p. 722, text-fig. 6A; holotype, left ramus bearing P₄-M₃.
 Quaternary, Pleistocene, Meade Formation; Cudahy fauna, NE¹/₄, Sec. 26, T32S, R28W, Meade County, Kansas; collected by C. W. Hibbard and party 1941.
 Neosorex Baird 1857
 Neosorex lacustris Hibbard 1944A
 KUVP 6630 *Neosorex lacustris* n. sp.—Hibbard 1944A: p. 721, text-fig. 5B; holotype, incomplete right ramus bearing M₁-M₂.
 KUVP 6614 *Neosorex lacustris* n. sp.—Hibbard 1944A: p. 721, text-fig. 5A; paratype, incomplete right ramus bearing M₂-M₃. This specimen erroneously listed as KUVP 6514.
 KUVP 6622 *Neosorex lacustris* n. sp.—Hibbard 1944A: p. 721; paratype, left ramus without teeth.
 KUVP 6622a *Neosorex lacustris* n. sp.—Hibbard 1944A: p. 721; paratype, left ramus without teeth.
 KUVP 6622b *Neosorex lacustris* n. sp.—Hibbard 1944A: p. 721; paratype, left ramus without teeth.
 KUVP 6624 *Neosorex lacustris* n. sp.—Hibbard 1944A: p. 721; paratype, fragmentary left ramus bearing M₂.
 KUVP 6624, 6630 Quaternary, Pleistocene, Meade Formation; Cudahy fauna, volcanic ash pit 8 miles west of Fowler, Meade County, Kansas; collected by C. W. Hibbard and party 1942.
 KUVP 6614, 6622, 6622a-b Quaternary, Pleistocene, Meade Formation; Cudahy fauna, NE¹/₄, Sec. 26, T32S, R28W, Meade County, Kansas; collected by C. W. Hibbard and party 1942.
 Pseudotrimylus Gureev 1971
 Pseudotrimylus roperi (Wilson 1960)
 KUVP 10013 *Pseudotrimylus roperi* (Wilson)—Engesser 1979: pl. 6B; left P⁴.
 KUVP 10016 *Pseudotrimylus roperi* (Wilson)—Engesser 1979: pl. 6B; left M³.
 KUVP 10018 *Pseudotrimylus roperi* (Wilson)—Engesser 1979: pl. 6B; left M¹-M².
 KUVP 10020 *Pseudotrimylus roperi* (Wilson)—Engesser 1979: pl. 7A and pl. 8C; left mandible with M₁-M₃.
 KUVP 10030 *Pseudotrimylus roperi* (Wilson)—Engesser 1979: pl. 8B; left mandible with I, M₁-M₂.
 KUVP 10013, 10016, 10018, 10020, 10030 Tertiary, early Miocene, Arikareean, Pawnee Creek Formation, Martin Canyon local fauna; Quarry A, NE¹/₄, Sec. 27, T11N, R35W, Logan County, Colorado; collected by R. W. Wilson and party 1951-52.

Sorex Linnaeus 1758*Sorex cinereus* Kerr 1792

- KUVP 5150 *Sorex cinereus* Kerr—Hibbard 1940A; pl. 1, fig. 1; left jaw with I, P₄-M₂. Quaternary, Pleistocene (Wisconsinan); Jones Ranch, Sec. 8, T35S, R27W, Meade County, Kansas; collected by C. W. Hibbard and party 1939.
- KUVP 6674 *Sorex cinereus* Kerr—Hibbard 1943B: p. 238, text-fig. 1; right ramus bearing P₄-M₂. Quaternary, Pleistocene; Rezabeck gravel pit, SE¹/₄, Sec. 20, T13S, R10W, Lincoln County, Kansas; collected by C. W. Hibbard and party 1942.
- KUVP 6612 *Sorex cinereus* Kerr—Hibbard 1944A: text-fig. 3A; left ramus; listed erroneously in caption to figure as KUVP 6512.
- KUVP 6631 *Sorex cinereus* Kerr—Hibbard 1944A: text-fig. 3B; right ramus.
- KUVP 6612, 6631 Quaternary, Pleistocene; Cudahy fauna; NE¹/₄, Sec. 2, T31S, R28W, Meade County, Kansas; collected by A. B. Leonard, G. C. Rinker, and C. W. Hibbard 1942.
- KUVP 6183 *Sorex cinereus* Kerr—Hibbard 1944A: text-fig. 19A; right ramus with M₁-M₃. Quaternary, Pleistocene, Meade Formation; Wilson Valley fauna, Sec. 28, T13S, R10W, Lincoln County, Kansas; collected by C. W. Hibbard and party 1942.

Sorex compressus Wilson 1960

- KUVP 10050 *Sorex compressus* n. sp.—Wilson 1960: p. 36, text-figs. 29A-B; holotype, left ramus with P₄-M₂.
Antesorex compressus (Wilson)—Repenning 1967: text-fig. 19; left mandible and lower dentition.
- KUVP 10051 *Sorex compressus* n. sp.—Wilson 1960: text-fig. 30; left P³-M².
Antesorex compressus (Wilson)—Repenning 1967: text-fig. 19; P³-M¹.
- KUVP 10052 *Antesorex compressus* (Wilson)—Repenning 1967: text-fig. 19; M₃.
- KUVP 10053 *Sorex compressus* n. sp.—Wilson 1960: text-fig. 31; left ramus with M₂.
- KUVP 10050-53 Tertiary, early Miocene, Arikarean, Pawnee Creek Formation, Martin Canyon local fauna, Quarry A, NE¹/₄, Sec. 27, T11NB, R53W, Logan County, Colorado; collected by R. W. Wilson and party 1951-52.

Sorex cudahyensis Hibbard 1944A

- KUVP 6513 *Sorex cudahyensis* n. sp.—Hibbard 1944A: p. 720, text-fig. 4; holotype, right ramus bearing P₄-M₂.
- KUVP 6581 *Sorex cudahyensis* n. sp.—Hibbard 1944A: p. 720; paratype, right ramus bearing M₁-M₂.
- KUVP 6513, 6581 Quaternary, Pleistocene, Meade Formation; Cudahy fauna, NE¹/₄, Sec. 26, T32S, R28W, Meade County, Kansas; collected by C. W. Hibbard and party 1942.

Sorex taylori Hibbard 1937D

- KUVP 3906 *Sorex taylori* sp. nov.—Hibbard 1937D: p. 242, text-fig. 1; holotype, right lower jaw with M₁-M₃.
- KUVP 4615 *Sorex taylori* Hibbard—Hibbard 1950: text-fig. 4C; left ramus, I, canine missing, P₄-M₃.
Sorex taylori Hibbard—Hibbard 1953B: text-fig. 2A; left ramus. Tertiary, Pliocene, Blancan, Rexroad Formation; NE¹/₄, NW¹/₄, Sec. 22, T35S, R29W, Meade County, Kansas; KUVP 3906 collected by K.U. field party 1936, KUVP 4615 collected by C. W. Hibbard and party 1937.
- KUVP 6118 *Sorex taylori* Hibbard—Hibbard 1941C: pl. 1, fig. 5; posterior part of right ramus bearing M₁-M₃.
Quaternary, Pleistocene; east of State lake, Borchers Ranch, NW¹/₄, NE¹/₄, Sec. 21, T33S, R28W, Meade County, Kansas; collected by M. Green 1940.

Sorex vireti Wilson 1960

- KUVP 10037 *Sorex vireti* n. sp.—Wilson 1960: p. 34, text-figs. 24A-B; holotype, right ramus with M₁-M₃; not relocated.
Angustidens vireti (Wilson)—Repenning 1967: text-fig. 16; right ramus.
- KUVP 10047 *Sorex vireti* n. sp.—Wilson 1960: text-fig. 23; right ramus.
- KUVP 10044 *Sorex vireti* n. sp.—Wilson 1960: text-fig. 25; right P₄-M₃.
Angustidens vireti (Wilson)—Repenning 1967: text-fig. 16; lower dentition.
- KUVP 10038 *Sorex vireti* n. sp.—Wilson 1960: text-fig. 26; incomplete I².
- KUVP 10039 *Sorex vireti* n. sp.—Wilson 1960: text-fig. 27; left M³.
- KUVP 10040 *Sorex vireti* n. sp.—Wilson 1960: text-figs. 28A-B; right lower incisor.
- KUVP 10304 *Angustidens vireti* (Wilson)—Repenning 1967: text-fig. 16; M₁.
Angustidens vireti (Wilson) Savage and Russell 1983: text-figs. 6-9A; lower jaw and dentition; text-fig. 16 in Repenning 1967.
- KUVP 10037-40, 10044, 10047, 10304 Tertiary, early Miocene, Arikareean, Pawnee Creek Formation, Martin Canyon local fauna; Quarry A, NE¹/₄, Sec. 27, T11N., R53W, Logan County, Colorado; collected by R. W. Wilson and party 1951-52.

Sorex? sp.

- KUVP 7012 *Sorex?* sp.—Hibbard and Riggs 1949: text-fig. 1J; left ramus with P₄-M₃. Tertiary, upper Pliocene, Blancan, Rexroad Formation; SW¹/₄, SW¹/₄, Sec. 34, T34S, R30W, Meade County, Kansas; collected by E. S. Riggs and party 1943.

Wilsonosorex conulatus Martin 1978
 (Type-species)

- KUVP 10036 *Wilsonosorex conulatus* n. gen. et n. sp.—Martin 1978: p. 639, pl. 1, fig. 1; holotype, left M¹-M².
 Tertiary, early Miocene, Arikareean, Pawnee Creek Formation, Martin Canyon, local fauna; Quarry A, NE¹/₄, Sec. 27, T11N, R53W, Logan County, Colorado; collected by R. W. Wilson and party 1950.
- cf. *Wilsonosorex conulatus* Martin 1978
- KUVP 10035 cf. *Wilsonosorex conulatus* Martin—Martin 1978: pl. 1, fig. 6; right M₁-M₂. Tertiary, early Miocene, Arikareean, Pawnee Creek Formation, Martin Canyon local fauna; Quarry A, NE¹/₄, Sec. 27, T11N, R53W, Logan County, Colorado; collected by R. W. Wilson and party 1950.

Family Apternodontidae Matthew 1910

Apternodus Matthew 1903*Apternodus illiffensis* Galbreath 1953

- KUVP 9112 *Apternodus illiffensis* n. sp.—Galbreath 1953: p. 42-43, text-figs. 11-12; holotype, left P³-M³ and left P₄-M₃.
 Tertiary, early Oligocene, Chadronian, White River Formation, Horsetail Creek Member, W¹/₂, Sec. 9, T10N, R51W, Logan County, Colorado; collected by E. C. Galbreath 1948.

Superfamily Pantolestoidea Cope 1887

Family Pantolestidae Cope 1884

Simidectes Stock 1933*Simidectes magnus* (Peterson 1919)

- KUVP 1611 *Simidectes magnus* (Peterson)—Coombs 1971: text-fig. 5; glenoid fossa. Tertiary, late Eocene, Uintan, south side of Deadman's Bench—Uintae "B," Sec. 17, T8S, R23W, Uintah County, Utah; collected by R. W. Wilson 1958.

- Superfamily Mixodectoidea Simpson 1945
 Family Mixodectidae Cope 1883
Mixodectes Cope 1883
Mixodectes malaris (Cope 1883)
- KUVP 13751 *Mixodectes malaris* (Cope)—Szalay 1969: pl. 17, figs. 5, 6, 7, and 8; enlarged incisors and anteriormost premolar.
- KUVP 9539 *Mixodectes malaris* (Cope)—Szalay 1969: pl. 17, figs. 9-10; P³.
- KUVP 13816 *Mixodectes malaris* (Cope)—Szalay 1969: pl. 21, figs. 4-5; P³(?), P⁴-M³.
- KUVP 14022 *Mixodectes malaris* (Cope)—Szalay 1969: pl. 21, figs. 8-9; left M₂-M₃.
- KUVP 9540 *Mixodectes malaris* (Cope)—Szalay 1969: pl. 22, figs. 1-2; fragmentary lower jaw.
- KUVP 9542 *Mixodectes malaris* (Cope)—Szalay 1969: pl. 22, figs. 3-4; fragmentary left maxilla with roots of P³, lingual half of P⁴ and M¹-M³.
- KUVP 9539-40, 9542, 13751, 13816, 14022 Tertiary, middle Paleocene, Torrejonian, Nacimiento Formation, *Deltatherium* zone San Juan Basin, New Mexico; collected by R. W. Wilson and party 1950.

- Order Chiroptera Blumenbach 1779
 Suborder Microchiroptera Dobson 1875
 Superfamily Phyllostomatoidea Weber 1928
 Family Phyllostomatidae Coues and Yarrow 1875
Stenoderma Geoffroy 1813
Stenoderma rufum anthonyi Choate and Birney 1968
- KUVP 16077 *Stenoderma rufum anthonyi* new subspecies—Choate and Birney 1968: p. 408; text-figs. 3 and 4A; holotype (for new subspecies); lower jaw and dentition lacking left angular process, all incisors, right M₂ and M₃ on both sides. Quaternary, Holocene, Sub-Recent deposit in Cueva de Clara; approximately ½ mi. N, 3 mi. W, Morovis, Barahona District, Puerto Rico; obtained by J. W. Bee 1967.

- Superfamily Vespertilionoidea Weber 1928
 Family Vespertilionidae Gray 1821
Lasiurus Gray 1831
Lasiurus fossilis Hibbard 1950
- KUVP 4606 *Lasiurus fossilis* sp. nov.—Hibbard 1950: p. 132; text-fig. 4D; referred specimen.
- Chiroptera Genus?—Hibbard 1941b: pl. 1, fig. 4; part of a left ramus bearing M₁-M₂.
- Tertiary, Pliocene, Blancan, Rexroad Formation, NE¼, SW¼, Sec. 22, T35S, R29N, Meade County, Kansas; collected by C. W. Hibbard and party 1937.

- Order Primates Linnaeus 1758
 Superfamily Plesiadapoidea Trouessart 1887
 Family Paromomyidae Simpson 1940
Palaechthon Gidley 1923
Palaechthon nacimienti Wilson and Szalay 1972
- KUVP 9559 *Palaechthon nacimienti* new species—Wilson and Szalay 1972: p. 3, 4, and 6, text-figs. 2-4.
- Palaechthon nacimienti* Wilson and Szalay—Kay and Cartmill 1974: text-fig. 1.
- Palaechthon nacimienti* Wilson and Szalay—Kay and Cartmill 1977: text-fig. 4; holotype, left mandible with P₃-M₃ and right mandible with P₃-M₂.

- KUVP 9557 *Palaechthon nacimienti* new species—Wilson and Szalay 1972: text-figs. 5, 6, 7 and 10.
Palaechthon nacimienti Wilson and Szalay—Kay and Cartmill 1974: text-fig. 1.
Palaechthon nacimienti Wilson and Szalay—Kay and Cartmill 1977: text-figs 2A and 4; pl. 1; left and right upper dentition.
- KUVP 7751 *Palaechthon nacimienti* new species—Wilson and Szalay 1972: text-fig. 3; left mandible with talonid of M_2 and complete M_3 .
- KUVP 7752 *Palaechthon nacimienti* new species—Wilson and Szalay 1972: text-fig. 9.
Palaechthon nacimienti Wilson and Szalay—Kay and Cartmill 1977: text-fig. 2B; left mandible fragment with M_1 - M_2 .
- KUVP 9560 *Palaechthon nacimienti* new species—Wilson and Szalay 1972: text-fig. 9; right mandible fragment with M_1 - M_2 .
Palaechthon sp.—Butler 1974: text-fig. 3; right M_1 - M_2 .
- KUVP 9561 *Palaechthon nacimienti* new species—Wilson and Szalay 1972: text-fig. 3; left mandible fragment with M_3 talonid.
- KUVP 13481 *Palaechthon nacimienti* new species—Wilson and Szalay 1972: text-fig. 8; palate with right P^3 - M^2 and left M^1 - M^3 .
- KUVP 9558 *Palaechthon* sp.—Butler 1974: text-fig. 3; left M^1 .
- KUVP 7751-2, 9557-61, 13481 Tertiary, middle Paleocene, Torrejonian, Nacimiento Formation, Kutz Canyon, 12 mi. S. of Bloomfield, San Juan Basin, New Mexico; collected by R. W. Wilson and party 1948. 9959 collected by R. Rinker 1950.
- Talpohenach* Kay and Cartmill 1977
Talpohenach torrejonius Kay and Cartmill 1977
 (Type-Species)
- KUVP 7903 *Talpohenach torrejonius* new genus and species—Kay and Cartmill 1977: p. 46, text-fig. 9; holotype.
 ?*Palaechthon nacimienti*—Wilson and Szalay 1972: text-fig. 13; right maxilla fragment with P^3 - M^3 .
 Tertiary, middle Paleocene, Torrejonian, Nacimiento Formation, Kutz Canyon, 12 mi. S. of Bloomfield in San Juan Basin, New Mexico; collected by R. W. Wilson and party 1948.
- Suborder Prosimii Illiger 1811
 Superfamily Lemuroidea Mivart 1864
 Family Adapidae Trouessart 1879
Pelycodus Cope 1875
Pelycodus cf. *P. ralstoni* Matthew and Granger 1915
- KUVP 8724 *Pelycodus* cf. *P. ralstoni* Matthew and Granger—Wilson 1955: text-fig. 1; left lower jaw fragment with M_2 - M_3 .
- KUVP 8508 *Pelycodus* cf. *P. ralstoni* Matthew and Granger—Wilson 1955: text-fig. 2; left lower jaw fragment with an incomplete M_1 , and complete M_2 - M_3 .
- KUVP 8508, 8724 Tertiary, early Eocene, Willwood Formation; South Fork of Elk Creek, Big Horn County, Wyoming; collected by O. B. Heck 1949.
- Suborder Anthropoidea Mivart 1864
 Superfamily Hominoidea Simpson 1931
 Family Hominidae Gray 1825
Homo Linnaeus 1758
Homo sapiens Linnaeus 1758
- KUVP 54001 *Homo sapiens* Linnaeus—Martin, Whetstone, Chorn and Frailey 1979; text-fig. 3; frontal bone.

Quaternary, Holocene, Kansas River, Bonner Springs, Wyandotte County, Kansas.

Order ?*Primates* Linnaeus, 1758

Family *Microsyopidae* Osborn and Wortman, 1892

Microsyops Leidy, 1872

Microsyops wilsoni Szalay, 1969

KUVP 8520 *Microsyops wilsoni* new species—Szalay 1969: p. 249, pl. 32, figs. 1, 2, 5 and 6; holotype, fragmentary left mandible with P₄-M₂.

Arctodontomys wilsoni (Szalay, 1969)—Gunnell, 1985: p. 53; holotype, left mandible with P₄-M₂.

Tertiary, early Eocene, Wasatchian, lower Grey Bull beds of Willwood Formation; South Fork of Elk Creek, SW¹/₄, Sec. 28, T50N, R93W, Big Horn County, Wyoming; collected by R. W. Wilson 1949.

Order Edentata Cuvier 1798

Suborder Xenarthra Cope 1889

Infraorder Cingulata Illiger 1811

Superfamily Megalonychoidea Simpson 1931

Family Megalonychidae Zittel 1892

Megalonyx Harlan 1825

Megalonyx sp.

KUVP 7547 *Megalonyx* sp.—Hibbard and Riggs 1949: pl. 5, fig. 7; phalanx.

Tertiary, upper Pliocene, Blancan, Rexroad Formation, Keefe Canyon, SW¹/₄, SW¹/₄, Sec. 34, T34S, R30W, Meade County, Kansas; collected by E. S. Riggs and party 1947.

KUVP 69828 *Megalonyx* sp.—Rogers and Martin 1985: text-fig. 2C; claw.

Quaternary, Pleistocene, Superior Sand Co. pit, Sec. 3, T27S, R1W, Sedgewick County, Kansas; collected by R. Rogers 1984.

Family Mylodontidae Ameghino 1889

Mylodon Owen 1840

Mylodon sp.

KUVP 461 *Mylodon* sp.—Williston 1895: text-figs. on p. 175/176; fibula.

Quaternary, Pleistocene, Seneca, Nemaha County, Kansas; collected by T. McLaughlin 1895.

KUVP 6514 *Mylodon* sp.—Hibbard 1944A: text-fig. 20A; upper molar.

Quaternary, Pleistocene, Kingsdown Silt; Sec. 11, T30S, R23W, Clark County, Kansas; collected by C. W. Hibbard and party 1942.

KUVP 6512 *Mylodon* sp.—Hibbard 1944A: text-fig. 20F; distal end of humerus.

Quaternary, Pleistocene, Kingsdown Silt; NE¹/₄, Sec. 17, T30S, R23W, Clark County, Kansas; collected by C. W. Hibbard and party 1942.

Paramylodon Brown 1903

Paramylodon harlani (Owen 1840)

KUVP 7416 *Paramylodon harlani* (Owen)—Hibbard and Taylor 1960: text-fig. 10C; third lower tooth.

KUVP 7415 *Paramylodon harlani* (Owen)—Hibbard and Taylor 1960: text-fig. 10D; first lower or first upper tooth.

KUVP 7417 *Paramylodon harlani* (Owen)—Hibbard and Taylor 1960: text-fig. 10E; second lower tooth.

KUVP 7415-17 Quaternary, Pleistocene, Cragin Quarry local fauna, Big Springs Ranch, SW¹/₄, Sec. 17, T32S, R28W, Meade County Kansas; collected by C. W. Hibbard and party 1945.

- KUVP 69829 *Paramylodon harlani* (Owen)—Rogers and Martin 1985: text-figs. 2A and 2B; tooth.
Quaternary, Pleistocene, Oatville sandpit, Sec. 11, T28S, R1W, Sedgewick County, Kansas; collected by R. Rogers, 1984.
- Superfamily Dasypodoidea Simpson 1931
Family Dasypodidae Bonaparte 1838
Dasypus Linnaeus 1758
Dasypus bellus Simpson 1930
- KUVP 15544 *Dasypus bellus* Simpson—Parmalee, Oesch and Guilday 1969: text-figs. 9A-N; skull, lower jaw, humeri, atlas, thoracic vertebrae, tibia-fibula, radii, ulnae, scutes, patella, astragalus, phalanges, calcaneum and ribs.
Quaternary, Holocene, Sub-Recent, Crankshaft Cave, Missouri; collected by P. W. Parmalee and party 1962-1966.
- Order Lagomorpha Brandt 1855
Family Leporidae Gray 1821
Hypolagus Dice 1917
Hypolagus regalis Hibbard 1939A
- KUVP 4572 *Hypolagus regalis* sp. nov.—Hibbard 1939A: p. 511, text-fig. 3, holotype, incomplete ramus bearing I, P₃-M₂.
- KUVP 4567 *Hypolagus regalis* sp. nov.—Hibbard 1939A: p. 510, paratype, incomplete left ramus bearing P₄-M₃.
- KUVP 4571 *Hypolagus regalis* sp. nov.—Hibbard 1939A: p. 510, paratype, incomplete right ramus bearing P₃-M₂.
- KUVP 4567, 4571-72 Tertiary, Pliocene, Blancan, Rexroad Formation, NE¹/₄, SW¹/₄, Sec. 22, T33, R29, Meade County, Kansas; collected by C. W. Hibbard and party 1937.
- Hypolagus* sp.
- KUVP 3923 *Hypolagus* sp.—Hibbard 1937D: pl. 3, fig. 15; right upper molar.
Tertiary, Pliocene, Blancan, Rexroad Formation, NE¹/₄, NW¹/₄, Sec. 22, T33, R29, Meade County, Kansas; collected by K.U. field party 1936.
Incorrectly labeled as "*Lepus* sp." in caption to pl. 3.
- KUVP 5725 *Hypolagus* sp.—Hibbard 1941C: pl. 1, figs. 4 and 6; left and right P₃ of young individual.
Quaternary, Pleistocene; east of State lake, Borchers Ranch, NW¹/₄, NE¹/₄, Sec. 21, T33S, R28W, Meade County, Kansas; collected by C. W. Hibbard and party 1939.
- Lepus* cf. *americanus* Erxleben 1777
- KUVP 7348 *Lepus* cf. *americanus* Erxleben—Hibbard 1952B: text-fig. 12; right P₃.
Quaternary, Pleistocene, Emma Creek Formation, Kentuck Fauna, along west side of NW¹/₄, Sec. 13, T18N, R3W, McPherson County, Kansas; collected by C. T. Williams and C. W. Hibbard 1944.
- Lepus* Linnaeus 1758
Lepus cf. *californicus* Gray 1837
- KUVP 5972 *Lepus* cf. *californicus* Gray—Hibbard 1941C: pl. 2, fig. 9; fragmentary right ramus bearing P₃-M₁.
Quaternary, Pleistocene; east of State lake, Borchers Ranch, NW¹/₄, NE¹/₄, Sec. 21, T33S, R28W, Meade County, Kansas; collected by J. Tihen and party 1940.

Megalagus Walker 1931*Megalagus turgidus* Cope 1873

- KUVP 266 *Megalagus turgidus* Cope—Green 1942: pl. 3, fig. 20; left ramus bearing dP₃-dP₄.
- KUVP 268 *Megalagus turgidus* Cope—Green 1942: pl. 3, fig. 23; left ramus bearing P₄-M₂.
- KUVP 266, 268 Tertiary, middle Oligocene, Orellan, Brule Formation, Hat Creek Basin, Nebraska; collected by H. T. Martin 1922.
- KUVP 118 *Megalagus turgidus* Cope—Green 1942: pl. 3, fig. 21; left ramus bearing P₄-M₂.
Tertiary, middle Oligocene, Orellan, White River Formation, Lewis Canyon, Colorado; collected by H. T. Martin 1911.
- KUVP 6226 *Megalagus turgidus* Cope—Green 1942: pl. 3, fig. 22; left ramus bearing P₃-M₄.
Tertiary, middle Oligocene, Orellan, Brule Formation, 8 mi. SW of Chadron, Nebraska; collected by H. T. Martin and A. Potter 1911.
- KUVP 63 *Megalagus turgidus* Cope—Green 1942: pl. 3, fig. 24; right ramus bearing P₃-M₃.
Tertiary, middle Oligocene, Orellan, White River Formation, Cedar Creek, Colorado; collected by H. T. Martin 1911.

Nekrolagus Hibbard 1939D

(In Hibbard 1939D, new name *Nekrolagus* has been given for *Pediolagus* Hibbard 1939A.)

Nekrolagus progressus (Hibbard 1939A)

(Type-Species)

- KUVP 4570 *Pediolagus progressus* n. gen. and sp.—Hibbard 1939A: p. 512; text-fig. 4; holotype, portion of right ramus bearing broken incisor, P₃, P₄ and M₁.
- KUVP 4568 *Pediolagus progressus* n. gen. and sp.—Hibbard 1939A: p. 512, paratype, portion of right ramus bearing P₃, P₄ and M₁.
- KUVP 4569 *Pediolagus progressus* n. gen. and sp.—Hibbard 1939A: p. 512, paratype, anterior portion of left ramus with incisor and P₃.
- KUVP 4568-70 Tertiary, Pliocene, Blancan, Rexroad Formation, NE¹/₄, SW¹/₄, Sec. 22, T33S, R29W, Meade County, Kansas; collected by K.U. field party 1937.

Nekrolagus sp.

- KUVP 6155 *Nekrolagus* sp.—Hibbard 1941C: pl. 1, fig. 8; right P₃.
Quaternary, Pleistocene; east of State lake, Borchers Ranch, NW¹/₄, NE¹/₄, Sec. 21, T33S, R28W, Meade County, Kansas; collected by C. W. Hibbard and party 1939.

Notolagus Wilson 1938*Notolagus lepusculus* (Hibbard 1938)

- KUVP 4583 *Dicea lepusculus* n. gen. and sp.—Hibbard 1939A: p. 509, text-fig. 2; holotype, right ramus bearing I, P₃-M₃.
- KUVP 4584 *Dicea lepusculus* n. gen. and sp.—Hibbard 1939A: p. 509, paratype, fragment of left ramus bearing P₄-M₃.
- KUVP 4583-4 Tertiary, Pliocene, Blancan, Rexroad Formation, NE¹/₄, SW¹/₄, Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1937.
- KUVP 6998 *Notolagus lepusculus* (Hibbard)—Hibbard and Riggs 1949: text-fig. 1C; right ramus bearing P₃-M₂.
- KUVP 7000 *Notolagus lepusculus* (Hibbard)—Hibbard and Riggs 1949: text-fig. 1D; RP₃, immature.

- KUVP 6999 *Notolagus lepusculus* (Hibbard)—Hibbard and Riggs 1949: text-fig. 1E; right ramus bearing P_3 - M_2 .
- KUVP 6998-7000 Tertiary, Upper Pliocene, Blancan, Rexroad Formation, Keefe Canyon, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 34, T34S, R30W, Meade County, Kansas; collected by E. S. Riggs and party 1947.
Oreolagus Dice 1917
Oreolagus wilsoni Dawson 1965
- KUVP 9815 *Oreolagus wilsoni* n. sp.—Dawson 1965: p. 3, not figured; holotype, right jaw having M_1 - M_2 .
Oreolagus nr. *O. nebrascensis* McGrew—Galbreath 1953: text-fig. 23G.
- KUVP 10303 *Oreolagus wilsoni* n. sp.—Dawson 1965: text-fig. 1; skull fragment with RP^3 - M^1 .
- KUVP 10117 *Oreolagus wilsoni* n. sp.—Dawson 1965: text-fig. 2; LM^2 .
- KUVP 10108 *Oreolagus wilsoni* n. sp.—Dawson 1965: text-fig. 3; LM^2 .
- KUVP 12053 *Oreolagus wilsoni* n. sp.—Dawson 1965: text-fig. 4; LP_3 , fig. 7- RP_3 .
- KUVP 10111 *Oreolagus wilsoni* n. sp.—Dawson: text-fig. 5; LP_3 , fig. 5; RP_3 .
- KUVP 12056 *Oreolagus wilsoni* n. sp.—Dawson 1965: text-fig. 8; LdP^2 ; text-fig. 9; LdP^3 .
- KUVP 9340 *Oreolagus wilsoni* n. sp.—Dawson 1965: text-fig. 10; RdP^4 .
- KUVP 12055 *Oreolagus wilsoni* n. sp.—Dawson, 1965: text-fig. 11; RdP_3 .
- KUVP 9340, 9815, 10108, 10111, 10117, 10303, 12053, 12055, 12056 Tertiary, Miocene, Arikareean, Pawnee Creek Formation; Martin Canyon local fauna; Quarry A, Sec. 27, T11N, R53W, Logan County, Colorado; collected by R. W. Wilson and party 1950.
- KUVP 9287 *Oreolagus* nr. *O. nebrascensis* McGrew—Galbreath 1953: text-fig. 23A; left ramus with P_4 and M_1 , and alveolus for P_3 and M_2 ; text-fig. 23C; left lower I.
- KUVP 9829 *Oreolagus* nr. *O. nebrascensis* McGrew—Galbreath 1953: text-fig. 23B; right P_3 .
- KUVP 9338 *Oreolagus* nr. *O. nebrascensis* McGrew—Galbreath 1953: text-fig. 23D; left upper I.
- KUVP 9356 *Oreolagus* nr. *O. nebrascensis* McGrew—Galbreath 1953: text-fig. 23E; right P^3 .
- KUVP 9286 *Oreolagus* nr. *O. nebrascensis* McGrew—Galbreath 1953: text-fig. 23F; right M^1 .
 All the above have been changed to *O. wilsoni* by Dawson (1965, p. 3-4).
- KUVP 9286-87, 9338, 9356, 9829 Tertiary, Miocene, early Arikareean, Pawnee Creek Formation, Martin Canyon local fauna; Quarry A, Sec. 27, T11N, R53W, Logan County, Colorado; all except 9829, collected by R. W. Wilson; 9829 collected by E. C. Galbreath 1951.
Palaeolagus Leidy 1856
Palaeolagus burkei Wood 1940
- KUVP 163 *Palaeolagus burkei* Wood—Green 1942: pl. 3, fig. 16; right maxilla bearing P^2 - M^3 .
 Tertiary, late Oligocene, Whitneyan, White River Formation; Yuma County, Colorado; collected by H. T. Martin 1925.
- KUVP 4946 *Palaeolagus burkei* Wood—Green 1942: pl. 3, fig. 17; right maxilla bearing P^3 - M^2 .
 Tertiary, late Oligocene, Whitneyan, White River Formation, Cedar Canyon, NE Colorado; collected by H. T. Martin 1911.
- KUVP 5987 *Palaeolagus burkei* Wood—Green 1942: pl. 3, fig. 18; left maxilla bearing P^2 - M^3 .

- Tertiary, late Oligocene, Whitneyan, White River Formation, Cedar Canyon, NE Colorado; collected by H. R. Green 1911.
- KUVP 6105 *Palaeolagus burkei* Wood—Green 1942: pl. 3, fig. 19; right maxilla bearing P^2-M^3 .
- Tertiary, late Oligocene, Whitneyan, Brule Formation, 10 mi. NW of Harrison, Nebraska; collected by O. Gilpin 1939.
- Palaeolagus haydeni* Leidy 1856
- KUVP 70 *Palaeolagus haydeni* Leidy—Green 1942: pl. 1, fig. 5; left ramus bearing P_3-M_3 .
- KUVP 59 *Palaeolagus haydeni* Leidy—Green 1942: pl. 1, fig. 7; right ramus bearing P_3-M_3 .
- KUVP 4936 *Palaeolagus haydeni* Leidy—Green 1942: pl. 3, fig. 25; right ramus bearing P_3-M_3 .
- KUVP 59, 70, 4936 Tertiary, middle Oligocene, Orellan, White River Formation, Cedar Canyon, NE Colorado; KUVP 59 and 4936 collected by H. T. Martin and KUVP 70 collected by H. R. Green, all in 1911.
- KUVP 67 *Palaeolagus haydeni* Leidy—Green 1942: pl. 1, fig. 2; right ramus bearing dP_3-M_3 .
- Tertiary, middle Oligocene, Orellan, White River Formation, Dead Man's Canyon, NE Colorado; collected by H. T. Martin 1911.
- KUVP 104 *Palaeolagus haydeni* Leidy—Green 1942: pl. 1, fig. 11; left ramus bearing P_3-M_3 .
- Tertiary, middle Oligocene, Orellan, White River Formation, Lewis Canyon, NE Colorado; collected by H. T. Martin 1911.
- KUVP 107 *Paleolagus haydeni* Leidy—Green 1942: pl. 2, fig. 12; a fragmentary skull bearing $I^{1,2}$.
- KUVP 5986 *Palaeolagus haydeni* Leidy—Green 1942: pl. 1, fig. 6; right ramus bearing P_3-M_3 .
- KUVP 107, 5986 Tertiary, middle Oligocene, Orellan, White River Formation, Cedar Canyon, NE Colorado; collected by H. T. Martin and H. R. Green respectively, 1911.
- KUVP 265 *Palaeolagus haydeni* Leidy—Green 1942: pl. 3, fig. 26; right ramus bearing P_3-M_3 .
- KUVP 267 *Palaeolagus haydeni* Leidy—Green 1942: pl. 3, fig. 27; left ramus bearing P_3-M_3 .
- KUVP 265, 267 Tertiary, middle Oligocene, Orellan, Brule Formation, Hat Creek Basin, NW Nebraska; collected by K.U. field party 1922.
- KUVP 6131 *Palaeolagus haydeni* Leidy—Green 1942: pl. 1, fig. 1; left ramus bearing dP_3-dP_4 .
- KUVP 2879 *Palaeolagus haydeni* Leidy—Green 1942: pl. 1, fig. 8; left ramus bearing P_3-M_3 .
- KUVP 2879, 6131 Tertiary, middle Oligocene, Orellan, White River Formation, north of Pawnee Buttes, Eubanks Ranch, Colorado; collected by H. T. Martin 1925.
- KUVP 6012 *Palaeolagus haydeni* Leidy—Green 1942: pl. 1, fig. 3; right ramus bearing dP_3-M_2 .
- Tertiary, middle Oligocene, Orellan, White River Formation, Yuma County, Colorado; collected by H. T. Martin 1925.
- KUVP 6136 *Palaeolagus haydeni* Leidy—Green 1942: pl. 1, fig. 4; left ramus bearing P_3-M_3 .
- KUVP 6140 *Palaeolagus haydeni* Leidy—Green 1942: pl. 1, fig. 9; right ramus bearing P_3-M_3 .
- KUVP 6138 *Palaeolagus haydeni* Leidy—Green 1942: pl. 1, fig. 10; left ramus bearing P_3-M_3 .

KUVP 6136, 6138, 6140 Tertiary, middle Oligocene, Orellan, White River Formation, near Stone Ranch, NE Colorado; collected by H. T. Martin 1911.

Pratilepus Hibbard 1939A

Pratilepus kansasensis Hibbard 1939A

(Type-Species)

KUVP 4582 *Pratilepus kansasensis* sp. nov.—Hibbard 1939A: p. 507, text-fig. 1A; holotype, right ramus with P₃-M₂.

KUVP 4566 *Pratilepus kansasensis* sp. nov.—Hibbard 1939A: p. 507, text-fig. 16; paratype, upper maxillaries with P²-M².

KUVP 4574 *Pratilepus kansasensis* sp. nov.—Hibbard 1939A: p. 507, paratype, incomplete right ramus with P₃-M₂.

KUVP 4575 *Pratilepus kansasensis* sp. nov.—Hibbard 1939A: p. 507, paratype, part of left ramus with I₃-M₂.

KUVP 4579 *Pratilepus kansasensis* sp. nov.—Hibbard 1939A: p. 507, paratype, incomplete right ramus with P₃-M₁.

KUVP 4580 *Pratilepus kansasensis* sp. nov.—Hibbard 1939A: p. 507, paratype, incomplete left ramus with P₃-M₁.

KUVP 4581 *Pratilepus kansasensis* sp. nov.—Hibbard 1939A: p. 507, paratype, incomplete left ramus with P₃-M₁.

KUVP 4592 *Pratilepus kansasensis* sp. nov.—Hibbard 1939A: p. 507, paratype, left ramus with I, P₃-M₃.

KUVP 4566, 4574-5, 4579-82, 4592 Tertiary, Pliocene, Blancan, Rexroad Formation; NE¹/₄, SW¹/₄, Sec. 22, T33S, R29W, Meade County, Kansas; collected by K.U. field party 1937.

KUVP 4749 *Pratilepus kansasensis* Hibbard—Hibbard 1941B: pl. 4, fig. 2; right P₃-M₃. Tertiary, Pliocene, Blancan, Rexroad Formation, NE¹/₄, SW¹/₄, Sec. 22, T33S, R29W, Meade County, Kansas; collected by K.U. field party 1938.

Sylvilagus Gray 1867

?*Sylvilagus* sp.

KUVP 6678a-c ?*Sylvilagus* sp.—Hibbard 1943B: pl. 19, figs. 13, 14, and 15; upper molar, right lower molar, upper molar.

Quaternary, Pleistocene, Rezabeck Fauna; Lincoln County, Kansas; collected by C. W. Hibbard and party 1942.

Order Rodentia Bowdich 1821

Suborder Sciuromorpha Brandt 1855

Superfamily Ischyromyoidea Wood 1937

Family Paramyidae Miller and Gidley 1918

Cedromus Wilson 1949

Cedromus? sp.

KUVP 8342 *Cedromus*? sp.—Galbreath 1953: text-fig. 19; right side of skull; pl. 2, fig. B; posterior part of skull; fig. C; right P³-M³.

Tertiary, middle Oligocene, Orellan; White River Formation, Cedar Creek, Member, NE¹/₄, Sec. 3, T22N, R54W, Logan County, Colorado; collected by E. C. Galbreath 1948.

Mytonomys Wood 1956

Mytonomys robustus (Peterson 1919)

KUVP 11830 *Mytonomys robustus* (Peterson)—Black 1968: text-figs. 1-2; right lower and right upper dentition.

Tertiary, late Eocene, Uintan, Uinta Formation, Myton Member, Myton Pocket, Sec. 30, T3S, R19E, Uintah County, Utah; collected by R. W. Wilson and party 1958.

- Pelycomys Galbreath 1953*
Pelycomys rugosus Galbreath 1953
 (Type-species)
- KUVV 8343 *Pelycomys rugosus* n. gen. and sp.—Galbreath 1953: p. 55, text-fig. 17; holotype, right M_1 - M_3 .
Pelycomys rugosus Galbreath—Wood 1962: text-fig. 86C; right M_1 - M_3 .
 Tertiary, early Oligocene, Chadronian, White River Formation, Horsetail Creek Member, "Flat Top" Butte, Sec. 1, T10N, R54W, Logan County, Colorado; collected by R. Rinker 1948.
- Pelycomys placidus Galbreath 1953*
- KUVV 8334 *Pelycomys placidus* n. sp.—Galbreath 1953: p. 56, text-figs. 18A-B; holotype, left M_1 - M_3 .
Pelycomys placidus Galbreath—Wood 1962: text-fig. 86D; left M_1 - M_3 .
- KUVV 8336 *Pelycomys placidus* n. sp.—Galbreath 1953: text-figs. 18C-D; left P_4 - M_2 .
- KUVV 8334, 8336 Tertiary, middle Oligocene, Orellan, White River Formation, Cedar Creek Member, W $\frac{1}{2}$, Sec. 7, T11N, R53W, Logan County, Colorado; collected by E. C. Galbreath and party 1946.
- Family Sciuravidae Miller and Gidley 1981
Knightomys Gazin 1961
Knightomys depressus (Loomis 1907)
- KUVV 16564 *Knightomys depressus* (Loomis 1907)—Korth 1984: text-fig. 25A; RP 3 -M 1 .
 Tertiary, early Eocene, Wasatchian, Wind River Formation, Lysite Rim, SW $\frac{1}{4}$, Sec. 14, T39N, R90W, Fremont County, Wyoming; collected by C. C. Black and party, 1970.
- Family Cylindrodontidae Miller and Gidley 1918
Pseudocylindrodon Burke 1935
Pseudocylindrodon sp.
- KUVV 10577 *Pseudocylindrodon* sp.—Galbreath 1969: text-fig. 1E; right jaw, not relocated.
 Tertiary, early Oligocene, Chadronian, Iliff locality, Horsetail Creek Beds, W $\frac{1}{2}$, Secs. 9 and 16, T10N, R51W, Logan County, Colorado; collected by R. W. Wilson and party.
- Superfamily Aplodontoidea Matthew 1910
 Family Aplodontidae Trouessart 1897
Prosciurus Matthew 1903
Prosciurus relictus (Cope 1873)
- KUVV 8333 *Prosciurus relictus* (Cope)—Galbreath 1953: text-fig. 16; pl. 2, fig. A; anterior part of skull.
 Tertiary, middle Oligocene, Orellan, White River Formation, Cedar Creek Member, E $\frac{1}{2}$, Sec. 3, T11N, R54W, Logan County, Colorado; collected by E. C. Galbreath 1946.
- Family Mylagaulidae Cope 1881
Epigaulus Gidley 1954
Epigaulus minor Hibbard and Phillis 1945
- KUVV 6886 *Epigaulus minor* sp. nov.—Hibbard and Phillis 1945; p. 555, text-figs. 2A-H; holotype, skull with right P^4 , M^2 , M^3 and left P^4 , M^2 , M^3 ; associated right lower jaw with P_4 , M_2 , M_3 and left ramus with P_4 ; and other skeletal elements, left femur, fibula, right humerus, right radius and right ulna.
 Tertiary, lower Pliocene; SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 16, T11S, R22W; Trego County,

Kansas; collected by J. C. Frye and C. W. Hibbard 1943.

Mesogaulus Riggs, 1899

Mesogaulus paniensis (Matthew 1902)

- KUVP 9197 *Mesogaulus paniensis* (Matthew)—Galbreath 1953: text-fig. 24; right P₄.
 KUVP 9292 *Mesogaulus paniensis* (Matthew)—Galbreath 1953: text-fig. 24; left P₄.
 KUVP 9293 *Mesogaulus paniensis* (Matthew)—Galbreath 1953: text-fig. 24; left P₄.
 KUVP 9294 *Mesogaulus paniensis* (Matthew)—Galbreath 1953: text-fig. 24; left M₂.
 KUVP 9364 *Mesogaulus paniensis* (Matthew)—Galbreath 1953: text-fig. 24; left P₄.
 KUVP 9370 *Mesogaulus paniensis* (Matthew)—Galbreath 1953: text-fig. 24; left P₄.
 KUVP 10121 *Mesogaulus paniensis* (Matthew)—Wilson 1960: text-fig. 47; right P⁴.
 KUVP 10122 *Mesogaulus paniensis* (Matthew)—Wilson 1960: text-fig. 48; right P⁴.
 KUVP 10123 *Mesogaulus paniensis* (Matthew)—Wilson 1960: text-fig. 49; right P⁴.
 KUVP 10128 *Mesogaulus paniensis* (Matthew)—Wilson 1960: text-fig. 50; left M¹.
 KUVP 10135 *Mesogaulus paniensis* (Matthew)—Wilson 1960: text-fig. 51; left M².
 KUVP 10139 *Mesogaulus paniensis* (Matthew)—Wilson 1960: text-fig. 52; right M².
 KUVP 10132 *Mesogaulus paniensis* (Matthew)—Wilson 1960: text-fig. 53; left M².
 KUVP 10136 *Mesogaulus paniensis* (Matthew)—Wilson 1960: text-fig. 54; right M².
 KUVP 10129 *Mesogaulus paniensis* (Matthew)—Wilson 1960: text-fig. 55; left M³.
 KUVP 10137 *Mesogaulus paniensis* (Matthew)—Wilson 1960: text-fig. 56; right M₁.
 KUVP 10142 *Mesogaulus paniensis* (Matthew)—Wilson 1960: text-fig. 57; right M₂.
 KUVP 10146 *Mesogaulus paniensis* (Matthew)—Wilson 1960: text-fig. 58; right M₃.
 KUVP 10138 *Mesogaulus paniensis* (Matthew)—Wilson 1960: text-fig. 59; right M₃.
 KUVP 9197, 9292-94, 9297, 9364, 9370, 10121-23, 10128-29, 10132, 10135-39, 10142, 10146 Tertiary, early Miocene, Arikareean, Pawnee Creek Formation, Martin Canyon local fauna, Quarry A, NE¹/₄, Sec. 27, T11N, R53W, Logan County, Colorado; collected by R. W. Wilson and party 1950, 51, 52 except for 9197 collected by E. C. Galbreath 1950.

Mylagaulus Cope 1878

Mylagaulus laevis Matthew 1924

- KUVP 9808 *Mylagaulus laevis* Matthew—Fagan 1960: text-fig. 1; lumbar vertebrae; text-fig. 2; anterior free caudal vertebrae; text-fig. 4; anterior free caudal vertebrae; text-fig. 5; right scapula; text-fig. 7; right scapula; text-fig. 9; right humerus; text-fig. 11; right humerus; text-fig. 13; left radius and ulna; text-fig. 15; third metacarpal and digit; text-fig. 18; right innominate bone; text-fig. 19; right innominate bone; text-fig. 21; right femur; text-fig. 23; right femur; text-fig. 25; right tibia; text-fig. 26; tarsal articulating surface of tibia; text-fig. 29; left astragalus and calcaneum; text-fig. 31; third metatarsal; pl. 1, figs. 1-2; skull; fig. 6; mandible; fig. 7; skull and mandible.

Tertiary, late Miocene, Barstovian, Pawnee Creek Formation, Kennesaw local fauna, SW¹/₄, Sec. 26, T12N, R55W, Logan County, Colorado; collected by E. C. Galbreath 1951.

- KUVP 9807 *Mylagaulus laevis* Matthew—Fagan 1960: pl. 1, figs. 3, 4 and 5; skull.
 Tertiary, late Miocene, Barstovian, Pawnee Creek Formation, Kennesaw local fauna, W¹/₂, Sec. 27, T12N, R55W, Logan County, Colorado; collected by E. C. Galbreath 1951.

Mylagaulus monodon Cope 1881

- KUVP 3611 *Mylagaulus monodon* Cope—Hibbard 1937B: text-fig. 2; broken left mandible with anterior portion containing incisor and alveolus of P₄; and posterior portion incomplete with the contacts to the anterior portion missing; contains the alveolus of M₁; M₂ and M₃ and associated fourth premolar and right femur.

Tertiary, late Miocene, Hemphillian, Ogallala formation, Edson Quarry, Sherman County, Kansas; collected by H. T. Martin and party 1926.

Mylagaulus sp.

- KUVP 3741 *Mylagaulus* sp.—Hesse 1936: text-fig. 3; two lower teeth. Erroneously listed as 3740 in caption to figure. Tertiary, Pliocene, Beaver Quarry, 10 mi. E, 2¼ mi S. of Beaver City, Oklahoma; collected by C. F. McNoun and C. W. Hibbard 1931.

Superfamily Sciuroidea Gill 1872

Family Sciuridae Gray 1821

Citellus Oken 1816

Citellus cragini Hibbard 1941C

- KUVP 6168 *Citellus cragini* sp. nov.—Hibbard 1941C: p. 25, pl. 1, fig. 13; holotype, part of left maxillary bearing M¹-M³. Quaternary, Pleistocene; Borchers fauna, Sec. 21, T35S, R28W, Meade County, Kansas; collected by J. Tihen and party 1940.

Citellus elegans (Kennicott 1863)

- KUVP 3958 *Citellus elegans* (Kennicott)—Hibbard 1937C: pl. 1, fig. 2; left lower jaw with P₄, M₂, not relocated. Quaternary, Pleistocene; an old terrace of Arkansas River, 1 mi. east, ¾ mile north of Garden City, Finney County, Kansas; collected by Mrs. H. T. V. Smith 1936.

Citellus howelli Hibbard 1941A

- KUVP 4598 *Citellus howelli* sp. nov.—Hibbard 1941A: p. 347, text-fig. 5; holotype, part of right ramus bearing part of incisor, P₄-M₃.
 KUVP 4585 *Citellus howelli* sp. nov.—Hibbard 1941A: p. 347, paratype, part of left ramus bearing P₄-M₃.
 KUVP 4586 *Citellus howelli* sp. nov.—Hibbard 1941A: p. 347, paratype, left ramus bearing P₄-M₃.
 KUVP 4585-86, 4598 Tertiary, Pliocene, Blancan, Rexroad Formation, NW¼, SW¼, Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1937.

Citellus meadensis Hibbard 1941C

- KUVP 6169 *Citellus meadensis* sp. nov.—Hibbard 1941C: p. 205; pl. 1, fig. 2; holotype, anterior part of right ramus of an adult bearing P₄-M₂.
 KUVP 6119 *Citellus meadensis* sp. nov.—Hibbard 1941C: p. 205, pl. 1, fig. 7; paratype, fragmentary left maxillary bearing P³-M².
 KUVP 6119, 6169 Quaternary, Pleistocene, Borchers fauna; Sec. 21, T33S, R28W, Meade County, Kansas; collected by J. Tihen and party 1940.

Citellus rexroadensis Hibbard 1941A

- KUVP 4608 *Citellus rexroadensis* sp. nov.—Hibbard 1941A: p. 348, text-fig. 7; holotype, incomplete left ramus bearing incisor, P₄-M₃.
 KUVP 4587 *Citellus rexroadensis* sp. nov.—Hibbard 1941A: p. 348, paratype, right ramus bearing incisor, P₄-M₂.
 KUVP 4588 *Citellus rexroadensis* sp. nov.—Hibbard 1941A: p. 348, paratype.
Citellus rexroadensis—Hibbard 1941B: pl. 3, fig. 1; paratype, incomplete left ramus bearing M₁-M₃.
 KUVP 4732 *Citellus rexroadensis*—Hibbard 1941A: p. 348, paratype, incomplete left ramus bearing incisor, P₄-M₂.
 KUVP 4587-88, 4608, 4732 Tertiary, Pliocene, Blancan, Rexroad Formation, NW¼, SW¼,

Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1937.

Citellus richardsonii (Sabine 1822)

KUVP 5159 *Citellus richardsonii* (Sabine)—Hibbard 1940A: pl. 1, fig. 5; left maxillary with P⁴-M³.

KUVP 5164 *Citellus richardsonii* (Sabine)—Hibbard 1940A: pl. 1, fig. 5; left jaw.

KUVP 5159, 5164 Quaternary, Pleistocene; Jones Ranch, Sec. 8, T33S, R27W, Meade County, Kansas; collected by C. W. Hibbard 1939.

Citellus tridecemlineatus (Mitchell 1821)

KUVP 5163 *Citellus tridecemlineatus* (Mitchell)—Hibbard 1940A: pl. 1, fig. 2; right jaw with teeth.

Citellus tridecemlineatus (Mitchell)—Hibbard 1940A: pl. 1, fig. 3; right maxillary with P⁴-M³.

Quaternary, Pleistocene; Jones Fauna, Sec. 8, T33S, R27W, Meade County, Kansas; collected by C. W. Hibbard and party 1939.

Cynomys Rafinesque 1817

Cynomys ludovicianus (Ord 1815)

KUVP 5203 *Cynomys ludovicianus* (Ord)—Hibbard 1940A: pl. 1, fig. 4; left ramus bearing P₄-M₂.

Quaternary, Pleistocene; Jones Fauna, Sec. 8, T33S, R27W, Meade County, Kansas; collected by C. W. Hibbard 1939.

KUVP 5985 *Cynomys ludovicianus* (Ord)—Hibbard 1944A: text-fig. 20C; right ramus with P₄-M₃. KUVP 5985 should be 5895. Erroneously listed as 5985 in caption to figure.

Quaternary, Pleistocene, Kingsdown Silt; Pyle Ranch, Sec. 12, T30S, R23W, Clark County, Kansas; collected by C. W. Hibbard and party 1942.

Cynomys vetus Hibbard 1942

KUVP 6187 *Cynomys vetus* n. sp.—Hibbard 1942: p. 268, pl. 1, fig. 1; holotype, maxillaries.

Quaternary, Pleistocene, Loveland loess (just below typical red phase), Sec. 3, T1S, R10W, Jewell County, Kansas; collected by H. A. Waite 1941.

Miospermophilus Black 1963

Miospermophilus bryanti (Wilson 1960)

(Type-species)

KUVP 10149 *Palaeoarctomys? bryanti* n. sp.—Wilson 1960: p. 58, text-fig. 67; holotype, right lower jaw with P₄-M₃.

Miospermophilus bryanti (Wilson)—Black 1963: pl. 16, fig. 1A; RP₄-M₃.

Miospermophilus bryanti (Wilson)—Savage and Russell 1983: text-fig. 6-10A; lower jaw and dentition; text-fig. 67 in Wilson 1960.

KUVP 10157 *Palaeoarctomys? bryanti* n. sp.—Wilson 1960: text-fig. 60; interpreted as left P⁴.

Miospermophilus bryanti (Wilson)—Black 1963: pl. 16, fig. 1E; interpreted as LM¹ or M².

KUVP 10158 *Palaeoarctomys? bryanti* n. sp.—Wilson 1960: text-fig. 61; right M¹ or M².

KUVP 10160 *Palaeoarctomys? bryanti* n. sp.—Wilson 1960: text-fig. 62; left M³.

KUVP 10156 *Miospermophilus bryanti* (Wilson)—Black 1963: pl. 16, fig. 1C; RdP⁴.

KUVP 10155 *Miospermophilus bryanti* (Wilson)—Black 1963: pl. 16, fig. 1D; LP⁴.

KUVP 10159 *Miospermophilus bryanti* (Wilson)—Black 1963: pl. 16, fig. 1F; LM¹.

KUVP 9290 *Sciurus* sp.—Galbreath 1953: text-fig. 25; right P₄, M₂, M₃.

KUVP 9290, 10149, 10155-60 Tertiary, early Miocene, Arikarean, Pawnee Creek Forma-

tion, Martin Canyon local fauna; Quarry A, NW $\frac{1}{4}$, Sec. 27, T11N, R53W, Logan County, Colorado; collected by R. W. Wilson and party 1950, 1951 and 1952.

Paenemarmota Hibbard and Schultz, 1948

Paenemarmota barbouri—Hibbard and Schultz 1948

(Type-species)

KUVP 6994 *Paenemarmota barbouri* new genus and species—Hibbard and Schultz 1948: p. 23, pl. 1, figs. 1-2; p. 27, pl. 3, fig. 1; holotype, nearly complete left ramus with incisor P $_4$ -M $_3$.

Paenemarmota barbouri Hibbard and Schultz—Repenning 1962: text-fig. 2; right lower cheek teeth. Text-fig. 7A; left dentary.

Tertiary, Pliocene, Blancan, Rexroad Formation, Keefe Canyon, Guy Fox pasture, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 34, T34S, R30W, Meade County, Kansas; collected by R. Rinker and C. W. Hibbard 1944.

Protospermophilus Gazin 1930

Protospermophilus kelloggi Black 1963

KUVP 19401 *Protospermophilus kelloggi* Black—Sutton 1972: text-fig. 1G; left lower jaw with P $_4$ -M $_2$.

Tertiary, middle Miocene, Hemingfordian, Split Rock Formation; SW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 36, T29N, R90W, Natrona County, Wyoming; collected by C. C. Black and J. F. Sutton 1970-71.

Protospermophilus sp.

KUVP 10163 *Sciurus* sp. A—Wilson 1960: text-fig. 63; left dP 4 .

Protospermophilus sp.—Black 1963: pl. 12, fig. 2A; LdP 4 .

KUVP 10169 *Sciurus* sp. A—Wilson 1960: text-fig. 64; left M $_3$.

KUVP 10168 *Sciurus* sp. A—Wilson 1960: text-fig. 65; right M $_1$.

Protospermophilus sp.—Black 1963: pl. 12, fig. 20; RM $_1$ or M $_2$.

KUVP 10165 *Sciurus* sp. A—Wilson 1960: text-fig. 66; right M 1 or M 2 .

Protospermophilus sp.—Black 1963: pl. 12, fig. 2B; RM 1 or M 2 .

KUVP 10166 *Protospermophilus* sp.—Black 1963: pl. 12, fig. 2C; RM 1 or M 2 .

KUVP 10163, 10165-66, 10168-69 Tertiary, early Miocene, Arikareean, Pawnee Creek Formation, Martin Canyon local fauna; Quarry A, NE $\frac{1}{4}$, Sec. 27, T11N, R53W, Logan County, Colorado; collected by R. W. Wilson and party 1950, 1951 and 1952.

Tamias Illiger 1811

Tamias sp.

KUVP 10170 *Tamias* sp.—Black 1963: pl. 1, fig. 2A; LM 1 or M 2 .

KUVP 10172 *Tamias* sp.—Black 1963: pl. 1, fig. 2B; RM $_1$ or M $_2$.

KUVP 10170 and 10172 Tertiary, early Miocene, Arikareean, Pawnee Creek Formation, Martin Canyon local fauna; Quarry A, NE $\frac{1}{4}$, Sec. 27, T11N, R53W, Logan County, Colorado; collected by R. W. Wilson and party 1950.

Wilson (1960, p. 63) referred these specimens to *Sciurus* sp. B. He gave measurements for the specimens but did not figure them.

KUVP 16858 *Tamias* sp.—Sutton 1972: text-fig. 1A; fragment of left maxilla with M $^{2-3}$.

KUVP 16964 *Tamias* sp.—Sutton 1972: text-fig. 1B; right M $^{1-2}$.

KUVP 16858, 16964 Tertiary, middle Miocene, Hemingfordian, Split Rock Formation; SW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 36, T29N, R90W, Natrona County, Wyoming; collected by C. C. Black and J. F. Sutton 1970-71.

- Superfamily Octodontoidea Simpson 1945
 Family Octodontidae Waterhouse 1839
Ctenomys De Blainville 1826
Ctenomys subassentiens Ameghino 1902
- KUVP 43051 *Ctenomys subassentiens* Ameghino—Frailey, Campbell and Wolff 1980: text-figs. 1B-C; skull; text-fig. 2; skull; text-fig. 3; mandible; text-figs. 4A, B, and C; left scapula; text-figs. 4D, E, F, G, and H; left humerus; text-fig. 5; left radius and ulna.
 Quaternary, Pleistocene; Pueblo Vieja area, near Tarija, Departamento de Tarija, Boliva; collected by D. Frailey, K. E. Campbell, and R. G. Wolff 1976.
- Family Myocastoridae Miller and Gidley 1918
Myocastor Kerr 1792
Myocastor perditus (Ameghino 1902)
- KUVP 43053 *Myocastor perditus* (Ameghino)—Frailey, Campbell and Wolff 1980: text-fig. 6; partial skull.
- KUVP 43052 *Myocastor perditus* (Ameghino)—Frailey, Campbell and Wolff 1980: text-figs. 7A and C; mandible; text-fig. 1B; partial skull with M³s.
- KUVP 43052-53 Quaternary, Pleistocene; San Blas area near Tarija, Departamento de Taija, Bolivia; collected by D. Frailey, K. E. Campbell, and R. G. Wolff 1976.
- Suborder Myomorpha Brandt 1855
 Superfamily Muroidea Miller and Gidley 1918
 Family Cricetidae Rochebrune 1883
Allophaiomys Kormos 1932
 ?*Allophaiomys* sp.
- KUVP 7384-2 ?*Allophaiomys* sp.—Hibbard, Zakrzewski, Eshelman, Edmund, Griggs and Griggs 1978: text-fig. 5H; LM₁.
 Quaternary, Pleistocene, NW¹/₄, Sec. 13, T18S, R3W, McPherson County, Kansas; collected by C. T. Williams and C. W. Hibbard 1944.
- Baiomys* True 1894
Baiomys rexroadi Hibbard 1941A
- KUVP 4670 *Baiomys rexroadi* sp. nov.—Hibbard 1941A: p. 352, text-fig. 10; holotype, left ramus with incisor M₁-M₃.
 Tertiary, Pliocene, Blancan, Rexroad Formation, NE¹/₄, NW¹/₄, Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1938.
- KUVP 6898 *Baiomys rexroadi* Hibbard—Hibbard 1949: text-fig. 2G; left ramus bearing M₁-M₂.
 Tertiary, late Miocene, Hemphillian, Ogallala Formation, XI Ranch, SE¹/₄, Sec. 35, T34S, R31W, Seward County, Kansas; collected by C. W. Hibbard 1943.
- Bensonomys* Gazin 1942
Bensonomys arizonae (Gidley 1942)
- KUVP 4549 *Bensonomys arizonae* (Gidley)—Hibbard 1950A: pl. 1, fig. 1.
Eligmodontia? arizonae (Gidley)—Hibbard 1941B: pl. 2, fig. 6.
 Tertiary, Pliocene, Blancan, Rexroad Formation, NE¹/₄, SW¹/₄, Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1937.
- Bensonomys eliasi* (Hibbard 1938)
- KUVP 4551 *Bensonomys eliasi* (Hibbard)—Hibbard 1956: text-fig. 12A; lower jaw bearing M₁-M₃ (young adult).

Tertiary, Pliocene, Blancan, Rexroad Formation, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1937.

Coloradoeumys Martin 1980

Coloradoeumys galbreathi Martin 1980

(Type-species)

- KUVP 11132 *Coloradoeumys galbreathi* new genus and new species—Martin 1980: p. 12, text-fig. 4A; holotype, M¹⁻³; text-figs. 5B-C; holotype, left ramus with M₁₋₃; p. 13, text-fig. 6; reconstruction of skull.

Tertiary, middle Oligocene, Orellan, Cedar Creek Formation, W $\frac{1}{2}$, Sec. 21, T11N, R54W, Logan County, Colorado; collected by E. C. Galbreath 1949.

Cudahyomys Hibbard 1944A

Cudahyomys moorei Hibbard 1944A

(Type-species)

- KUVP 6690 *Cudahyomys moorei* n. gen., n. sp.—Hibbard 1944A: p. 725, text-fig. 9; holotype, left ramus bearing incisor and M₁.

Quaternary, Pleistocene, Meade Formation; Cudahy fauna, NE $\frac{1}{4}$, Sec. 26, T32S, R28W, Meade County, Kansas; collected by C. W. Hibbard and party 1941.

Dicrostonyx Gloger 1841

Dicrostonyx torquatus Gloger 1841

- KUVP 49431 *Dicrostonyx torquatus* Gloger—Martin, Gilbert and Chomko 1979: text-fig. 1B; right M¹; not relocated.

Quaternary, Holocene, Natural Trap Cave, Sec. 28, T58N, R49W, Bighorn County, Wyoming; collected by L. D. Martin and party 1978.

Dicrostonyx sp.

- KUVP 43738 *Dicrostonyx* sp.—Martin, Gilbert & Chomko 1979: p. 194, text-fig. 1A; molar; not relocated.

Quaternary, Holocene, Natural Trap Cave, Sec. 28, T58N, R49W, Bighorn County, Wyoming; collected by L. D. Martin and party 1978.

Leidymys Wood 1936

Leidymys alicae (Black 1961)

- KUVP 18395 *Leidymys alicae* (Black)—Engesser 1979: pl. 15, fig. B; left M₁-M₃.
 KUVP 18008 *Leidymys* sp.—Engesser 1979: pl. 17, fig. A; left M¹. Figured as No. 1808.
 KUVP ? *Leidymys alicae* (Black)—Engesser 1979: pl. 17, fig. B; left M¹; not relocated.
 KUVP 18033 *Leidymys* sp.—Engesser 1979: pl. 17, fig. D; left M₂. Figured as No. 1833.
 KUVP 18394 *Leidymys alicae* (Black)—Engesser 1979: pl. 17, fig. E; left lower incisor.
 KUVP 18008, 18033, 18394-95 Tertiary, early Miocene, Arikareean, Cabbage Patch, Montana; collected by D. L. Rasmussen.

Microtus Schrank 1798

Microtus (Pedomys) ochrogaster (Wagner 1842)

- KUVP 5191 *Microtus (Pedomys) ochrogaster* (Wagner)—Hibbard 1943A: pl. 1, fig. 2; left M₁-M₂.

Quaternary, Pleistocene, XI Ranch, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 21, T33S, R28W, Meade County, Kansas; collected by J. Tihen and party 1940.

- KUVP 5971 *Microtus (Pedomys) ochrogaster* (Wagner)—Hibbard 1943A: pl. 1, fig. 4; right M₁-M₂; not relocated.

Quaternary, Pleistocene, Jones Ranch, Sec. 8, T33S, R27W, Meade County, Kansas; collected by C. W. Hibbard 1939.

Microtus (Pedomys) cf. ochrogaster (Wagner 1842)

- KUVP 6288 *Microtus (Pedomys) cf. ochrogaster* (Wagner)—Hibbard 1943B: pl. 19, fig. 6; fragmentary left ramus bearing I, M₁ and M₂.
Quaternary, Pleistocene, Rezabeck gravel pit, SE¹/₄, Sec. 20, T13S, R10W, Lincoln County, Kansas; collected by C. W. Hibbard and H. B. Linard 1941.
- Microtus paroperarius* Hibbard 1944A
- KUVP 6587 *Microtus paroperarius* n. sp.—Hibbard 1944A: p. 727, text-fig. 11A; holotype, RM₁-M₂.
- KUVP 6590 *Microtus paroperarius* n. sp.—Hibbard 1944A: p. 728, text-fig. 11B; paratype, RM₁-M₂.
- KUVP 6584 *Microtus paroperarius* n. sp.—Hibbard 1944A: p. 728, text-fig. 11C; paratype, RM₁-M₂.
- KUVP 6628 *Microtus paroperarius* n. sp.—Hibbard 1944A: p. 728, text-fig. 11D; paratype, RM₁-M₂.
- KUVP 6627 *Microtus paroperarius* n. sp.—Hibbard 1944A: p. 728, text-fig. 11E; paratype, LM₁-M₂.
- KUVP 6588 *Microtus paroperarius* n. sp.—Hibbard 1944A: p. 728, text-fig. 11F; paratype, LM₁-M₂.
- KUVP 6596 *Microtus paroperarius* n. sp.—Hibbard 1944A: p. 728, text-fig. 11G; paratype, RM₁-M₂.
- KUVP 6585 *Microtus paroperarius* n. sp.—Hibbard 1944A: p. 728; paratype, RM₁-M₂, not figured.
- KUVP 6591 *Microtus paroperarius* n. sp.—Hibbard 1944A: p. 728; paratype, RM₁-M₂, not figured.
- KUVP 6594 *Microtus paroperarius* n. sp.—Hibbard 1944A: p. 728; paratype, LM₁, not figured.
- KUVP 6600 *Microtus paroperarius* n. sp.—Hibbard 1944A: p. 728; paratype, LM₁, not figured, not relocated.
- KUVP 6601 *Microtus paroperarius* n. sp.—Hibbard 1944A: p. 728; paratype, RM₁-M₂; not figured, not relocated.
- KUVP 6602 *Microtus paroperarius* n. sp.—Hibbard 1944A: p. 728; paratype, RM₁-M₂; not figured, not relocated.
- KUVP 6603 *Microtus paroperarius* n. sp.—Hibbard 1944A: p. 728; paratype, LM₁; not figured, not relocated.
- KUVP 6604 *Microtus paroperarius* n. sp.—Hibbard 1944A: p. 728; paratype, RM₁; not figured, not relocated.
- KUVP 6605 *Microtus paroperarius* n. sp.—Hibbard 1944A: p. 728; paratype, LM₁-M₂; not figured, not relocated.
- KUVP 6607 *Microtus paroperarius* n. sp.—Hibbard 1944A: p. 728; paratype, LM₁; not figured, not relocated.
- KUVP 6629 *Microtus paroperarius* n. sp.—Hibbard 1944A: p. 728; paratype, LM₁-M₂; not figured, not relocated.
- KUVP 6639 *Microtus paroperarius* n. sp.—Hibbard 1944A: p. 728; paratype, LM₁, not figured.
- KUVP 6584-85, 6587-88, 6590-91, 6594, 6596, 6600-05, 6607 Quaternary, Pleistocene, Meade Formation; Cudahy fauna, NE¹/₄, Sec. 26, T32S, R28W, Meade County, Kansas; collected by C. W. Hibbard and party 1941-42.
- KUVP 6627-29, 6639 Quaternary, Pleistocene, Meade Formation; volcanic ash pit, 8 miles west of Fowler, Meade County, Kansas; collected by C. W. Hibbard and party 1941-42.
- KUVP 6645 *Microtus paroperarius* n. sp.—Hibbard 1944A: text-fig. 17A; RM₁-M₂.
- KUVP 6646 *Microtus paroperarius* n. sp.—Hibbard 1944A: text-fig. 17B; RM₁-M₂.
- KUVP 6647 *Microtus paroperarius* n. sp.—Hibbard 1944A: text-fig. 17C; RM₁-M₂.

- KUVP 6645-47 Quaternary, Pleistocene, Meade Formation; Tobin fauna, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 35, T14S, R11W, Russell County, Kansas; collected by C. W. Hibbard and party 1942.
- KUVP 6298 *Microtus paroperarius* n. sp.—Hibbard 1944A: text-fig. 19B; LM₁-M₂.
Quaternary, Pleistocene, Meade Formation; Wilson Valley fauna, Sec. 28, T13S, R10W, Lincoln County, Kansas; collected by C. W. Hibbard and party 1942.
- Microtus pennsylvanicus* (Ord 1815)
- KUVP 5158 *Microtus pennsylvanicus* (Ord)—Hibbard 1940A: pl. 2, figs. 7-7A; upper teeth.
- KUVP 5156 *Microtus pennsylvanicus* (Ord)—Hibbard 1940A: pl. 2, fig. 8; left M₁-M₃.
- KUVP 5152 *Microtus pennsylvanicus* (Ord)—Hibbard 1940A: pl. 2, fig. 9; right M₁-M₃.
- KUVP 5152, 5156, 5158 Quaternary, Pleistocene, Jones Fauna, Sec. 8, T33S, R27W, Meade County, Kansas; collected by C. W. Hibbard 1939.
- KUVP 6494 *Microtus pennsylvanicus* (Ord)—Hibbard 1943A: text-fig. 3; right M₁-M₂; not relocated.
Quaternary, Pleistocene, 9 miles south of State lake, XI Ranch, Meade County, Kansas; collected by C. W. Hibbard and party 1942.
- Microtus cf. pennsylvanicus* (Ord 1815)
- KUVP 6289 *Microtus cf. pennsylvanicus* (Ord)—Hibbard 1943B: pl. 19, fig. 17; a left lower ramus bearing M₁ and M₂.
Quaternary, Pleistocene, Rezabeck gravel pit, SW $\frac{1}{4}$, Sec. 10, T13S, R10W, Lincoln County, Kansas; collected by C. W. Hibbard and A. B. Leonard 1941.
- ?*Microtus* sp.
- KUVP 6650a ?*Microtus* sp.—Hibbard 1944A: text-fig. 18A; RM¹.
- KUVP 6650b ?*Microtus* sp.—Hibbard 1944A: text-fig. 18B; LM¹.
- KUVP 6650a-b Quaternary, Pleistocene, Meade Formation; Tobin Fauna, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 35, T14S, R11W, Russell County, Kansas; collected by C. W. Hibbard and party 1942.
- Neofiber* True 1884
- Neofiber leonardi* Hibbard 1943B
- KUVP 6653 *Neofiber leonardi* sp. nov.—Hibbard 1943B: p. 242, text-fig. 3; holotype, right M₁.
- KUVP 6654 *Neofiber leonardi* sp. nov.—Hibbard 1943B: p. 242, text-fig. 3; paratype, left M₁.
- KUVP 6653-54 Quaternary, Pleistocene, Rezabeck gravel pit, SW $\frac{1}{4}$, Sec. 20, T13S, R10W, Lincoln County, Kansas; collected by C. W. Hibbard 1942.
- Neondatra* Hibbard 1937D
- Neondatra kansasensis* Hibbard 1937D
(Type-species)
- KUVP 3847 *Neondatra kansasensis* gen. et. sp. nov.—Hibbard 1937G: p. 251, pl. 1, fig. 6; holotype, portion of left mandible with base of incisor; M₁-M₂. This specimen has been damaged and all that remains are the two cheek teeth. Tertiary, Pliocene, Blancan, Rexroad fauna; NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1936.
- Neotoma* Say and Ord 1825
- Neotoma (Paraneotoma) taylori* Hibbard 1967
- KUVP 6474a-b *Neotoma (Paraneotoma) taylori* sp. nov.—Hibbard 1967: p. 127, text-figs. 5H-I; paratype, seven left lower M¹'s.
Quaternary, Pleistocene; east of State lake, Borchers Ranch, NW $\frac{1}{2}$, NE $\frac{1}{4}$, Sec.

21, T33S, R28W, Meade County, Kansas; collected by C. W. Hibbard and party 1941.

Neotoma sp.

KUVP 6731a-b *Neotoma* sp.—Hibbard 1943B: pl. 19, figs. 3-4; right M¹ (immature specimen) and, right M₂, young specimen.

Quaternary, Pleistocene, Rezacbeck Fauna, Sec. 20, T13S, R11W, Lincoln County, Kansas; collected by C. W. Hibbard and party 1942.

Ogmodontomys Hibbard 1941A

Ogmodontomys poaphagus Hibbard 1941A

(Type-Species)

- KUVP 4594 *Ogmodontomys poaphagus* gen. et. sp. nov.—Hibbard 1941A: p. 365, pl. 3, fig. 16; holotype, maxillaries, premaxillaries, bearing I, right and left M¹-M³; not relocated.
- KUVP 4526 *Ogmodontomys poaphagus* gen. et. sp. nov.—Hibbard 1941A: p. 365, pl. 3, fig. 1; paratype, left ramus bearing M₁-M₃.
- KUVP 4762 *Ogmodontomys poaphagus* gen. et. sp. nov.—Hibbard 1941A: p. 365, pl. 3, fig. 2; paratype, left ramus bearing M₁-M₂.
- KUVP 4530 *Ogmodontomys poaphagus* gen. et. sp. nov.—Hibbard 1941A: p. 365, pl. 3, fig. 3; paratype, right ramus bearing incisor, M₁-M₂.
- KUVP 5979 *Ogmodontomys poaphagus* gen. et. sp. nov.—Hibbard 1941A: p. 365, pl. 3, fig. 4; paratype, right ramus bearing incisor, M₁-M₂.
- KUVP 5978 *Ogmodontomys poaphagus* gen. et. sp. nov.—Hibbard 1941A: p. 365, pl. 3, fig. 5; paratype, right ramus bearing incisor, M₁-M₂.
- KUVP 4527 *Ogmodontomys poaphagus* gen. et. sp. nov.—Hibbard 1941A: p. 365, pl. 3, fig. 6; paratype, left ramus bearing M₁-M₃.
- KUVP 4529 *Ogmodontomys poaphagus* gen. et. sp. nov.—Hibbard 1941A: p. 365, pl. 3, fig. 7; paratype, left ramus bearing incisor, M₁-M₃.
- KUVP 4765 *Ogmodontomys poaphagus* gen. et. sp. nov.—Hibbard 1941A: pl. 3, fig. 8; left ramus bearing M₁-M₂; not designated as a paratype, not relocated.
- KUVP 4532 *Ogmodontomys poaphagus* gen. et. sp. nov.—Hibbard 1941A: p. 365, pl. 3, fig. 9; paratype, right ramus bearing M₁-M₃.
- KUVP 4538 *Ogmodontomys poaphagus* gen. et. sp. nov.—Hibbard 1941A: p. 365, pl. 3, fig. 10; paratype, left ramus bearing M₁-M₃.
- KUVP 4537 *Ogmodontomys poaphagus* gen. et. sp. nov.—Hibbard 1941A: p. 365, pl. 3, fig. 11; paratype, left ramus bearing M₁-M₂.
- KUVP 5980 *Ogmodontomys poaphagus* gen. et. sp. nov.—Hibbard 1941A: p. 365, pl. 3, fig. 12; paratype, left ramus bearing incisor, M₁-M₃.
- KUVP 4763 *Ogmodontomys poaphagus* gen. et. sp. nov.—Hibbard 1941A: p. 365, pl. 3, fig. 13; paratype, left ramus bearing incisor, M₁-M₂.
- KUVP 4764 *Ogmodontomys poaphagus* gen. et. sp. nov.—Hibbard 1941A: p. 365, pl. 3, fig. 14; paratype, right ramus bearing incisor, M₁-M₂.
- KUVP 4766 *Ogmodontomys poaphagus* gen. et. sp. nov.—Hibbard 1941A: p. 365, pl. 3, fig. 15; paratype, right ramus bearing incisor, M₁-M₂.
- KUVP 4518 *Ogmodontomys poaphagus* gen. et. sp. nov.—Hibbard 1941A: p. 365, pl. 3, fig. 17; paratype, fragmentary right maxillary and M₁.
- KUVP 4528 *Ogmodontomys poaphagus* gen. et. sp. nov.—Hibbard 1941A: p. 365; paratype, fragmentary right maxillary, bearing M¹-M², not figured.
- KUVP 4531 *Ogmodontomys poaphagus* gen. et. sp. nov.—Hibbard 1941A: p. 365; paratype, fragmentary maxillaries with right M¹-M², and left M², not figured.
- KUVP 4533 *Ogmodontomys poaphagus* gen. et. sp. nov.—Hibbard 1941A: p. 365; paratype, right ramus bearing M₁-M₂, not figured.

- KUVP 4534 *Ogmodontomys poaphagus* gen. et. sp. nov.—Hibbard 1941A: p. 365; paratype, left ramus bearing M_1 - M_2 , not figured.
- KUVP 4535 *Ogmodontomys poaphagus* gen. et. sp. nov.—Hibbard 1941A: p. 365; paratype, left ramus bearing M_1 , not figured.
- KUVP 4536 *Ogmodontomys poaphagus* gen. et. sp. nov.—Hibbard 1941A: p. 365; paratype, left ramus bearing M_1 , not figured.
- KUVP 4768 *Ogmodontomys poaphagus* gen. et. sp. nov.—Hibbard 1941A: p. 365; paratype, left ramus bearing M_1 - M_2 , not figured.
- KUVP 4769 *Ogmodontomys poaphagus* gen. et. sp. nov.—Hibbard 1941A: p. 365; paratype, right ramus bearing M_1 , not figured.
- KUVP 5976 *Ogmodontomys poaphagus* gen. et. sp. nov.—Hibbard 1941A: p. 365; paratype, right ramus bearing M_1 , not figured.
- KUVP 4518, 4526-38, 4594, 4762-66, 4768-69, 5976, 5978-80 Tertiary, Pliocene, Blancan, Rexroad Formation, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1938.
- KUVP 6987 *Ogmodontomys poaphagus* Hibbard—Hibbard and Riggs 1949: text-fig. 1K; left M_1 - M_3 .
Tertiary, Pliocene, Blancan, Rexroad Formation, Rexroad fauna; Keefe Canyon, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 34, T34S, R30W, Meade County, Kansas; collected by E. S. Riggs and party.
- Ondatra* Link 1759
- Ondatra kansasensis* Hibbard 1944A
- KUVP 6656 *Ondatra kansasensis* n. sp.—Hibbard 1944A: p. 732; text-fig. 14C; holotype, LM; specimen is listed erroneously as 6665 in the caption to the figure. The correct number is as given in the text, KUVP 6656.
- KUVP 6669 *Ondatra kansasensis* n. sp.—Hibbard 1944A: text-fig. 14A; paratype, LM $_1$.
- KUVP 6668 *Ondatra kansasensis* n. sp.—Hibbard 1944A: text-fig. 14B; paratype, LM $_1$.
- KUVP 6667 *Ondatra kansasensis* n. sp.—Hibbard 1944A: text-fig. 14D; paratype, RM $_1$.
- KUVP 6671 *Ondatra kansasensis* n. sp.—Hibbard 1944A: text-fig. 14E; paratype, RM $_1$.
- KUVP 6670 *Ondatra kansasensis* n. sp.—Hibbard 1944A: text-fig. 14F; paratype, LM $_1$.
- KUVP 6661 *Ondatra kansasensis* n. sp.—Hibbard 1944A: text-fig. 14G; paratype, LM $_2$.
- KUVP 6657 *Ondatra kansasensis* n. sp.—Hibbard 1944A: text-fig. 14H; paratype, LM $_3$.
- KUVP 6666 *Ondatra kansasensis* n. sp.—Hibbard 1944A: text-fig. 14I; paratype, RM $_3$.
- KUVP 6464 *Ondatra kansasensis* n. sp.—Hibbard 1944A: text-fig. 14J; paratype, RM $_2$; not relocated.
- KUVP 6660 *Ondatra kansasensis* n. sp.—Hibbard 1944A: text-fig. 14K; paratype, RM $_2$; not relocated.
- KUVP 6664 *Ondatra kansasensis* n. sp.—Hibbard 1944A: text-fig. 14L; paratype, LM $_3$.
- KUVP 6464, 6656-57, 6660-61, 6664, 6666-71 Quaternary, Pleistocene, Meade Formation, Cudahy Fauna; NE $\frac{1}{4}$, Sec. 13, T31S, R28W, Meade County, Kansas; collected by C. W. Hibbard and party 1942. The paratypes are not listed in the text, but are so designated in the caption to text-figure 14 on page 733.
- KUVP 7350 *Ondatra kansasensis* Hibbard—Hibbard 1952: text-fig. 11; left M_1 .
Quaternary, Pleistocene, Emma Creek Formation, Kentuck Fauna; along west side of NW $\frac{1}{4}$, Sec. 13, T18S, R3W, McPherson County, Kansas; collected by C. T. Williams and C. W. Hibbard 1944.
- Ondatra zibethica* (Linnaeus 1758)
- KUVP 6678 *Ondatra zibethica* (Linnaeus)—Hibbard 1943B: pl. 19, fig. 9; right M_1 .
- KUVP 6290b *Ondatra zibethica* (Linnaeus)—Hibbard 1943B: pl. 19, fig. 10; left M_2 .
- KUVP 6677 *Ondatra zibethica* (Linnaeus)—Hibbard 1943B: pl. 19, fig. 11; left M_3 .
- KUVP 6290a *Ondatra zibethica* (Linnaeus)—Hibbard 1943B: pl. 19, fig. 12; left M_2 .
- KUVP 6290a-b, 6677-78 Quaternary, Pleistocene, Rezabeck gravel pit, SE $\frac{1}{4}$, Sec. 20, T13S,

R10W, Lincoln County, Kansas; collected by C. W. Hibbard and A. B. Leonard 1941.

Ondatra sp.

- KUVP 6475 *Ondatra* sp.—Hibbard 1942: pl. 1, fig. 4; right M₂.
Quaternary, Pleistocene, Meade Formation, Borchers Ranch, NW¹/₄, NE¹/₄,
Sec. 21, T33S, R28W, Meade County, Kansas; collected by C. W. Hibbard
and party 1941.

Onychomys Baird 1857

Onychomys fossilis Hibbard 1941C

- KUVP 5238 *Onychomys fossilis* sp. nov.—Hibbard 1941C: p. 211, pl. 2, fig. 2; holotype,
nearly complete left ramus bearing M₁-M₃.
- KUVP 5239 *Onychomys fossilis* sp. nov.—Hibbard 1941C: pl. 2, fig. 6; paratype, in-
complete right ramus bearing M₁-M₃.
- KUVP 5237 *Onychomys fossilis* sp. nov.—Hibbard 1941C: pl. 2, fig. 8; paratype, in-
complete left ramus bearing M₁-M₃, not relocated.
- KUVP 5255 *Onychomys fossilis* sp. nov.—Hibbard 1941C: p. 208; paratype, incomplete
ramus bearing M₁-M₃, not figured.
- KUVP 5258 *Onychomys fossilis* sp. nov.—Hibbard 1941C: p. 208; paratype, incomplete
ramus bearing M₁-M₃, not figured.
- KUVP 5259 *Onychomys fossilis* sp. nov.—Hibbard 1941C: p. 208; paratype, incomplete
ramus bearing M₁-M₃, not figured.
- KUVP 5319 *Onychomys fossilis* sp. nov.—Hibbard 1941C: p. 208; paratype, incomplete
ramus bearing M₁-M₃, not figured.
- KUVP 5721 *Onychomys fossilis* sp. nov.—Hibbard 1941C: p. 208; paratype, incomplete
ramus bearing M₁-M₃, not figured.
- KUVP 6154 *Onychomys fossilis* sp. nov.—Hibbard 1941C: p. 208; paratype, incomplete
ramus bearing M₁-M₃; not figured, not relocated.
- KUVP 6155 *Onychomys fossilis* sp. nov.—Hibbard 1941C: p. 208; paratype, incomplete
ramus bearing M₁-M₃, not figured.
- KUVP 6156 *Onychomys fossilis* sp. nov.—Hibbard 1941C: p. 208; paratype, incomplete
ramus bearing M₁-M₃; not figured, not relocated.
- KUVP 6158 *Onychomys fossilis* sp. nov.—Hibbard 1941C: p. 208; paratype, incomplete
ramus bearing M₁-M₃; not figured, not relocated.
- KUVP 6159 *Onychomys fossilis* sp. nov.—Hibbard 1941C: p. 208; paratype, incomplete
ramus bearing M₁-M₃; not figured, not relocated.
- KUVP 6160 *Onychomys fossilis* sp. nov.—Hibbard 1941C: p. 208; paratype, incomplete
ramus bearing M₁-M₃; not figured, not relocated.
- KUVP 6161 *Onychomys fossilis* sp. nov.—Hibbard 1941C: p. 208; paratype, incomplete
ramus bearing M₁-M₃; not figured, not relocated.
- KUVP 6162 *Onychomys fossilis* sp. nov.—Hibbard 1941C: p. 208; paratype, incomplete
ramus bearing M₁-M₃; not figured, not relocated.
- KUVP 6163 *Onychomys fossilis* sp. nov.—Hibbard 1941C: p. 208; paratype, incomplete
ramus bearing M₁-M₃; not figured, not relocated.
- KUVP 6164 *Onychomys fossilis* sp. nov.—Hibbard 1941C: p. 208; paratype, incomplete
ramus bearing M₁-M₃; not figured, not relocated.
- KUVP 5237-39, 5255, 5258-59, 5319, 5721, 6154-6164 Quaternary, Pleistocene; east of
State lake, Borchers Ranch, NW¹/₄, NE¹/₄, Sec. 21, T33S, R28W, Meade
County, Kansas; all except 6154-6164, collected by C. W. Hibbard and party
1939; 6154-6164 collected by J. Tihen and party 1940.

Onychomys gidleyi Hibbard 1941B

- KUVP 4669 *Onychomys gidleyi* sp. nov.—Hibbard 1941B: p. 281; holotype, incomplete
left ramus bearing incisor, M₁-M₃, not figured.

Onychomys gidleyi Hibbard—Hibbard 1942: pl. 1, fig. 8; left ramus with M_1 - M_3 (holotype).

Tertiary, upper Pliocene, Blancan, NE $^{1/4}$, NW $^{1/4}$, Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1938.

Onychomys leucogastor (Wied-Neuwied 1841)

KUVP 6041 *Onychomys leucogastor* (Wied)—Hibbard 1942: pl. 1, fig. 10; left ramus with M_1 - M_2 .

Quaternary, Pleistocene, Meade Formation, Jones Ranch, Sec. 8, T33S, R27W, Meade County, Kansas; collected by J. Tihen and party 1940.

Parahodomys Gidley and Gazin 1933

Parahodomys quadriplicatus Hibbard 1941A

KUVP 4495 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356, pl. 1, fig. 3; holotype, incomplete left ramus of a young adult bearing incisor, M_1 - M_3 and condyle, angle and coronoid process missing.

KUVP 4504 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356, pl. 1, fig. 1; paratype, left M_1 - M_2 .

KUVP 4497 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356, pl. 1, fig. 4; paratype, right M_1 - M_3 .

KUVP 4499 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356, pl. 1, fig. 5; paratype, left M_1 - M_3 .

KUVP 4678 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356, pl. 1, fig. 6; paratype, right M_1 - M_3 .

KUVP 4525 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356, pl. 1, fig. 7; paratype, right M_1 - M_3 .

KUVP 4758 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356, pl. 1, fig. 8; paratype, left M_1 - M_3 .

KUVP 4492 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356, pl. 1, fig. 9; paratype, left M_1 - M_3 .

KUVP 4500 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356, pl. 1, fig. 10; paratype, right M_1 - M_3 .

KUVP 4524 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356, pl. 1, fig. 11; paratype, left M_1 - M_3 .

KUVP 4495 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356, pl. 1, fig. 12; paratype, right M_1 - M_3 .

KUVP 4493 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356, pl. 2, fig. 2; paratype, left M_1 - M_3 .

KUVP 4503 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356, pl. 2, fig. 3; paratype, right M_1 - M_3 .

KUVP 4508 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356, pl. 2, fig. 4; paratype, right M_1 - M_3 .

KUVP 4502 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356, pl. 2, fig. 6; paratype, right M_1 - M_3 .

KUVP 4511 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356, pl. 2, fig. 7; paratype, right M_1 - M_2 .

KUVP 4759 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356, pl. 2, fig. 8; paratype.

Parahodomys quadriplicatus sp. nov.—Hibbard 1941B: pl. 3, fig. 5; paratype, left M_1 - M_3 .

KUVP 4517 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356, pl. 2, fig. 9; paratype, right M_1 - M_3 .

KUVP 4523 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356, pl. 2, fig. 10; paratype, left M_3 .

- KUVP 4510 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356, pl. 2, fig. 11; paratype, right M₂-M₃.
- KUVP 4494 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356; paratype, not figured.
- KUVP 4498 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356; paratype, not figured.
- KUVP 4505 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356; paratype, not figured.
- KUVP 4506 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356; paratype, not figured.
- KUVP 4507 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356; paratype, not figured.
- KUVP 4509 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356; paratype, not figured.
- KUVP 4519 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356; paratype, not figured.
- KUVP 4521 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356; paratype, not figured.
- KUVP 4761 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356; paratype, not figured.
- KUVP 4512 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356; paratype, not figured.
- KUVP 4513 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356; paratype, not figured.
- KUVP 4514 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356; paratype, not figured.
- KUVP 4516 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356; paratype, not figured.
- KUVP 4720 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356; paratype, not figured.
- KUVP 4560 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356; paratype, not figured.
- KUVP 4492-4500, 4502-10, 4512-14, 4516-17, 4519-21, 4524-25, 4758-61, 5974 Tertiary, Pliocene, Blancan, Rexroad Formation, NW¹/₄, SE¹/₄, Sec. 15, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard 1937.
- KUVP 4677 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356, pl. 2, fig. 1; paratype, right M₁-M₃.
- KUVP 4680 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: pl. 2, fig. 5; not designated as a paratype, right M₃.
- KUVP 4678 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356, pl. 2, fig. 6; paratype, right M₁-M₃.
- KUVP 4675 *Parahodomys quadriplicatus* sp. nov.—Hibbard 1941A: p. 356, maxillary; paratype, not figured.
- KUVP 4675, 4677-78, 4680 Tertiary, Pliocene, Blancan, Rexroad Formation, NE¹/₄, NW¹/₄, Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard 1938.
- KUVP 7695 *Parahodomys quadriplicatus* Hibbard Hibbard and Riggs—1949: text-fig. 2C; LM¹.
Tertiary, upper Pliocene, Blancan, Rexroad Formation, Keefe Canyon, SW¹/₄, SW¹/₄, Sec. 34, T34S, R30W, Meade County, Kansas; collected by E. S. Riggs and party 1944-45.

Paramicroscoptes Martin 1975

Paramicroscoptes hibbardi Martin 1975

(Type-species)

- KUVP 28290 *Paramicroscoptes hibbardi* gen. et. sp. nov.—Martin 1975: text-fig. 3A; right maxilla with M¹-M² (referred specimen). Tertiary, Pliocene, Hemphillian, Ash Hollow Formation, SE¹/₄, SE¹/₄, Sec. 3, T15N, R40W, Keith County, Nebraska; collected by L. D. Martin 1971.
- Peromyscus* Gloger 1841
Peromyscus cragini Hibbard 1944A
- KUVP 6618 *Peromyscus cragini* n. sp.—Hibbard 1944A: p. 724, text-fig. 8; holotype, left ramus bearing incisor, M₁-M₃. Quaternary, Pleistocene, Meade Formation; Cudahy fauna, NE¹/₄, Sec. 26, T32S, R28W, Meade County, Kansas; collected by C. W. Hibbard and party 1942.
- Peromyscus eliasi* Hibbard 1937D
- KUVP 3941 *Peromyscus eliasi* sp. nov.—Hibbard 1937D: p. 246, pl. 1, fig. 4; holotype, portion of left mandible with M₁, M₂ and M₃, incisor, angle, condyle and coronoid process missing. Tertiary, Pliocene, Blancan, Rexroad Formation, NE¹/₄, NW¹/₄, Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard 1936.
- Peromyscus kansasensis* Hibbard 1941A
- KUVP 4597 *Peromyscus kansasensis* sp. nov.—Hibbard 1941A: p. 352, text-fig. 11; holotype, incomplete right ramus bearing incisor, M₁-M₃. Tertiary, Pliocene, Blancan, Rexroad Formation, NW¹/₄, SW¹/₄, Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard 1937.
- Peromyscus martini* Hibbard 1937B
- KUVP 3850 *Peromyscus martini* sp. nov.—Hibbard 1937B: p. 464, text-fig. 4; holotype, part of right maxillary bearing M²-M³. Tertiary, late Miocene, Hemphillian, near the base of Ogallala Formation, Edson Beds, Sec. 25, T10S, R38W, Sherman County, Kansas; collected by H. T. Martin and party 1928.
- Peromyscus* sp.
- KUVP 5151 *Peromyscus* sp.—Hibbard 1940A: pl. 2, fig. 10; right jaw bearing M₁. Quaternary, Pleistocene, Jones fauna, Sec. 8, T33S, R27W, Meade County, Kansas; collected by C. W. Hibbard and party, 1939.
- KUVP 7385 *Peromyscus* sp.—Hibbard 1952: text-fig. 6; anterior part of right ramus bearing M₁. Quaternary, Pleistocene, Kentuck fauna, west side of NW¹/₄, Sec. 13, T18S, R3W, McPherson County, Kansas; collected by C. T. Williams, M. Maldonado and C. W. Hibbard 1944.
- Phenacomys* Merriam 1889
Phenacomys primaevus Hibbard 1937D
- KUVP 3905 *Phenacomys primaevus* sp. nov.—Hibbard 1937D: p. 248, pl. 1, fig. 5; holotype.
Phenacomys primaevus Hibbard—Hibbard and Zakrzewski 1972: text-figs. 1F and 1G; right lower jaw, bearing incisor, M₁ and M₂, with alveolus of M₃, lacking angle, condyle and coronoid process.
- KUVP 5976 *Phenacomys primaevus* Hibbard—Hibbard and Zakrzewski 1972: p. 836, text-figs. 1A-B; topotype, left first lower molar.
- KUVP 3905, 5976 Tertiary, Pliocene, Blancan, Rexroad Formation, NE¹/₄, NW¹/₄, Sec. 22, T33S, R29W, Meade County, Kansas; collected by K.U. field party.

- Pitymys* McMurtrie 1831
Pitymys llanensis (Hibbard 1944A)
- KUVP 6626 *Microtus (Pedomys) llanensis* n. sp.—Hibbard 1944A: p. 729, text-fig. 12; holotype, left M_1 - M_2 .
Pitymys llanensis (Hibbard)—Hibbard, Zakrzewski, Eshelman, Edmund, Griggs, and Griggs 1978: text-fig. 5E; left M_1 - M_2 .
 Quaternary, Pleistocene, Meade Formation, Cudahy fauna; 8 miles west of Fowler, Meade County, Kansas; collected by C. W. Hibbard and party 1942.
- KUVP 7382 *Microtus (Pedomys) llanensis* (Hibbard)—Hibbard 1952: text-fig. 10; right M_1 - M_3 .
 Quaternary, Pleistocene, Emma Creek Formation, Kentuck fauna; along west side of NW $\frac{1}{4}$, Sec. 13, T18S, R3W, McPherson County, Kansas; collected by C. T. Williams, M. Maldonado and C. W. Hibbard 1944.
- Pitymys mcnowni* Hibbard 1937A
- KUVP 3851 *Pitymus mcnowni* sp. nov.—Hibbard 1937A: p. 235, text-fig. 1; holotype, right lower jaw bearing M_1 - M_2 .
 Quaternary, Pleistocene, probably Yarmouthian; Ward M. Thomson farm, northwest of Everest, Brown County, Kansas; collected in Fall 1932 with mastodon tusk (discovered while cleaning the tusk).
- Pitymys meadensis* Hibbard 1944A
- KUVP 6463 *Pitymys meadensis* n. sp.—Hibbard 1944A: p. 730, text-fig. 13A; holotype, LM_1 - M_2 .
- KUVP 6592 *Pitymys meadensis* n. sp.—Hibbard 1944A: p. 730, text-fig. 13B; paratype, LM_1 - M_2 .
- KUVP 6593 *Pitymys meadensis* n. sp.—Hibbard 1944A: p. 730, text-fig. 13C; paratype, LM_1 - M_2 .
- KUVP 6595 *Pitymys meadensis* n. sp.—Hibbard 1944A: p. 730, text-fig. 13D; paratype, LM_1 - M_2 .
- KUVP 6586 *Pitymys meadensis* n. sp.—Hibbard 1944A: p. 730, text-fig. 13E; paratype, RM_1 - M_2 .
- KUVP 6597 *Pitymys meadensis* n. sp.—Hibbard 1944A: p. 730, text-fig. 13F; paratype, RM_1 - M_2 .
- KUVP 6190 *Pitymys meadensis* n. sp.—Hibbard 1944A: p. 730; paratype, LM_1 , not figured.
- KUVP 6462 *Pitymys meadensis* n. sp.—Hibbard 1944A: p. 730; paratype, RM_1 , not figured.
- KUVP 6589 *Pitymys meadensis* n. sp.—Hibbard 1944A: p. 730; paratype, RM_1 , not figured.
- KUVP 6599 *Pitymys meadensis* n. sp.—Hibbard 1944A: p. 730; paratype, LM_1 , not figured.
- KUVP 6190, 6462-63, 6586, 6589, 6592-93, 6595, 6597, 6599 Quaternary, Pleistocene, Meade Formation, Cudahy fauna, NE $\frac{1}{4}$, Sec. 26, T32S, R28W, Meade County, Kansas; collected by C. W. Hibbard and party 1942.
- KUVP 6304 *Pitymys meadensis* n. sp.—Hibbard 1944A: text-fig. 17D; RM_1 - M_2 .
 Quaternary, Pleistocene, Meade Formation; Tobin fauna, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 35, T14S, R11W, Russell County, Kansas; collected by C. W. Hibbard and party 1942.
- ?*Pitymys* sp.
- KUVP 7384-1 ?*Pitymys* sp.—Hibbard, Zakrzewski, Eshelman, Edmund, Griggs and Griggs 1978: text-fig. 5G; RM_1 .
 Quaternary, Pleistocene, NW $\frac{1}{4}$, Sec. 13, T18S, R3W, McPherson County, Kansas; collected by C. T. Williams and C. W. Hibbard 1944.

?Pitymys

- KUVP 6651 *?Pitymys*—Hibbard 1944A: text-fig. 18D; RM¹.
Quaternary, Pleistocene, Meade Formation; Tobin fauna, SE¹/₄, SW¹/₄, Sec. 35, T14S, R11W, Russell County, Kansas; collected by C. W. Hibbard and party 1942.

Pliolemmus Hibbard 1937D*Pliolemmus antiquus* Hibbard 1937D

(Type-Species)

- KUVP 3889 *Pliolemmus antiquus* gen. et. sp. nov.—Hibbard 1937D: p. 247, pl. 1, fig. 7; holotype, portion of right mandible with complete incisor, M₁ and M₂; M₃, angle, condyle and coronoid process missing.
Tertiary, Pliocene, Blancan, Rexroad Formation, NW¹/₄, SE¹/₄, Sec. 21, T33S, R29W, Meade County, Kansas; collected by K.U. field party 1936.

Pliopotamys Hibbard 1937D*Pliopotamys meadensis* Hibbard 1937D

(Type-Species)

- KUVP 3846 *Pliopotomys meadensis* gen. et. sp. nov.—Hibbard 1937D: p. 249, pl. 1, fig. 9; holotype, portion of right mandible with incisor, M₁ and M₂, angle condyle and coronoid process missing.
Tertiary, Pliocene, Blancan, Rexroad Formation, NE¹/₄, NW¹/₄, Sec. 22, T35S, R29W, Meade County, Kansas; collected by K.U. field party 1936.

- KUVP 9921 *Pliopotamys meadensis* Hibbard—Hibbard 1956: text-fig. 51; left lower jaw bearing M₁-M₃.
Tertiary, Pliocene, Blancan, Rexroad Formation, Deer Park, NW¹/₄, SE¹/₄, Sec. 15, T13S, R29W, Meade County, Kansas; collected by K.U. field party 1954.

Propliophenacomys Martin 1975*Propliophenacomys parkeri* Martin 1975

- KUVP 25302 *Propliophenacomys parkeri* sp. nov.—Martin 1975: text-fig. 6B; left ramus with M₁-M₂.
KUVP 25303 *Propliophenacomys parkeri* sp. nov.—Martin 1975: text-fig. 6C; right M₁.
KUVP 25302-03 Tertiary, Pliocene, unnamed beds in the upper part of the Ogallala Group, SE¹/₄, Sec. 24, T33N, R4W, Knox County, Nebraska; collected by L. D. Martin 1971.

Reithrodontomys Giglioli 1873*Reithrodontomys pratincola* Hibbard 1941C

- KUVP 6167 *Reithrodontomys pratincola* sp. nov.—Hibbard 1941C: p. 209, pl. 2, fig. 7; holotype, right ramus bearing incisor and M₁.
Quaternary, Pleistocene; east of State lake, Borchers Ranch, NW¹/₄, NE¹/₄, Sec. 21, T33S, R28W, Meade County, Kansas; collected by J. Tihen and party 1940.

- KUVP 6467 *Reithrodontomys pratincola* Hibbard—Hibbard 1942: pl. 1, fig. 3; right maxillary with M¹-M².

- KUVP 6466 *Reithrodontomys pratincola* Hibbard—Hibbard 1942: pl. 1, fig. 11; right ramus with M₁-M₃.

- KUVP 6466-67 Quaternary, Pleistocene, Meade Formation, Borchers Ranch, NW¹/₄, NE¹/₄, Sec. 21, T33S, R28W, Meade County, Kansas; collected by C. W. Hibbard and party 1941.

?Reithrodontomys

- KUVP 6679 *?Reithrodontomys*—Hibbard 1943B: pl. 19, fig. 7; a fragmentary right ramus bearing a badly worn M₁.

Quaternary, Pleistocene; Rezabeck gravel pit, SE¹/₄, Sec. 20, T13S, R10W, Lincoln County, Kansas; collected by C. W. Hibbard and party 1942.

Scottimus Wood 1937

Scottimus ambiguus Korth 1981B

KUVP 8419 *Scottimus ambiguus* new species—Korth 1981B: p. 304, text-fig. 8A; holotype, LM¹-M³.

KUVP 8426 *Scottimus ambiguus* new species—Korth 1981B: text-fig. 5B; cross section of R₁.

KUVP 8420 *Scottimus ambiguus* new species—Korth 1981B: text-fig. 8B; LM¹-M³.

KUVP 8421 *Scottimus ambiguus* new species—Korth 1981B: text-fig. 8C; LM₁-M₃.

KUVP 8419-21, 8426 Tertiary, middle Oligocene, Orellan, White River Formation, Cedar Creek Member; KUVP 8419 and 8420 from SW¹/₄, Sec. 12, and SE¹/₄, Sec. 3, T11N, R54W, Logan County, Colorado; KUVP 8421 from E¹/₂, Sec. 3, T11N, R54W, Logan County, Colorado; KUVP 8426 from SW¹/₄, Sec. 21, T11N, R53W, Logan County, Colorado; collected by E. C. Galbreath 1949.

Sigmodon Say and Ord 1825

Sigmodon hilli Hibbard 1941C

KUVP 5431 *Sigmodon hilli* sp. nov.—Hibbard 1941C: p. 212, pl. 2, fig. 12; holotype, part of right ramus bearing incisor and M₁-M₃.

KUVP 5249 *Sigmodon hilli* sp. nov.—Hibbard 1941C: p. 212, pl. 2, fig. 5; paratype, left maxillary containing M¹-M³.

KUVP 5475 *Sigmodon hilli* sp. nov.—Hibbard 1941C: p. 212; paratype, left maxillary containing M¹-M³; not figured, not relocated.

KUVP 5236 *Sigmodon hilli* sp. nov.—Hibbard 1941C: p. 212; paratype, incomplete left ramus containing M₁-M₃, not figured.

KUVP 5372 *Sigmodon hilli* sp. nov.—Hibbard 1941C: p. 212; paratype, incomplete rami containing M₁-M₃, not figured.

KUVP 5375 *Sigmodon hilli* sp. nov.—Hibbard 1941C: p. 212; paratype, incomplete rami containing M₁-M₃, not figured.

KUVP 5376 *Sigmodon hilli* sp. nov.—Hibbard 1941C: p. 212; paratype, incomplete rami containing M₁-M₃, not figured.

KUVP 5377 *Sigmodon hilli* sp. nov.—Hibbard 1941C: p. 212; paratype, incomplete rami containing M₁-M₃, not figured.

KUVP 5378 *Sigmodon hilli* sp. nov.—Hibbard 1941C: p. 212; paratype, incomplete rami containing M₁-M₃, not figured.

KUVP 5396 *Sigmodon hilli* sp. nov.—Hibbard 1941C: p. 212; paratype, incomplete rami containing M₁-M₃, not figured.

KUVP 5400 *Sigmodon hilli* sp. nov.—Hibbard 1941C: p. 212; paratype, incomplete rami containing M₁-M₃, not figured.

KUVP 5402 *Sigmodon hilli* sp. nov.—Hibbard 1941C: p. 212; paratype, incomplete rami containing M₁-M₃, not figured.

KUVP 5403 *Sigmodon hilli* sp. nov.—Hibbard 1941C: p. 212; paratype, incomplete rami containing M₁-M₃, not figured.

KUVP 5406 *Sigmodon hilli* sp. nov.—Hibbard 1941C: p. 212; paratype, incomplete rami containing M₁-M₃, not figured.

KUVP 5408 *Sigmodon hilli* sp. nov.—Hibbard 1941C: p. 212; paratype, incomplete rami containing M₁-M₃, not figured.

KUVP 5410 *Sigmodon hilli* sp. nov.—Hibbard 1941C: p. 212; paratype, incomplete rami containing M₁-M₃, not figured.

KUVP 5421 *Sigmodon hilli* sp. nov.—Hibbard 1941C: p. 212; paratype, incomplete rami containing M₁-M₃, not figured.

- KUVP 5423 *Sigmodon hilli* sp. nov.—Hibbard 1941C: p. 212; paratype, incomplete rami containing M_1 - M_3 , not figured.
- KUVP 5424 *Sigmodon hilli* sp. nov.—Hibbard 1941C: p. 212; paratype, incomplete rami containing M_1 - M_3 , not figured.
- KUVP 5468 *Sigmodon hilli* sp. nov.—Hibbard 1941C: p. 212; paratype, incomplete rami containing M_1 - M_3 , not figured.
- KUVP 5686 *Sigmodon hilli* sp. nov.—Hibbard 1941C: p. 212; paratype, incomplete rami containing M_1 - M_3 , not figured.
- KUVP 5691 *Sigmodon hilli* sp. nov.—Hibbard 1941C: p. 212; paratype, incomplete rami containing M_1 - M_3 , not figured.
- KUVP 5759 *Sigmodon hilli* sp. nov.—Hibbard 1941C: p. 212; paratype, incomplete rami containing M_1 - M_3 , not figured.
- KUVP 5612 *Sigmodon hilli* sp. nov.—Hibbard 1941C: p. 212; paratype, incomplete rami containing M_1 - M_3 , not figured, not relocated.
- KUVP 5219, 5236, 5372, 5375-78, 5396, 5400, 5402-03, 5406, 5408, 5410, 5421, 5423-24, 5431, 5468, 5475, 5612, 5686, 5691, 5759 Quaternary, Pleistocene, east of State lake, Borchers Ranch, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 21, T33S, R28W, Meade County, Kansas; collected by C. W. Hibbard and party 1939.
- Sigmodon intermedius* Hibbard 1937D
- KUVP 3887 *Sigmodon intermedius* sp. nov.—Hibbard 1937D: p. 247, pl. 1, fig. 8; holotype, portion of left mandible with incisor, M_1 - M_3 , angle, condyle and coronoid process missing.
Tertiary, Pliocene, Blancan, Rexroad, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 22, T35S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1936.
- KUVP 4564 *Sigmodon intermedius*—Hibbard 1941B: pl. 3, fig. 2; left maxillary bearing M^1 - M^3 .
Tertiary, Pliocene, Blancan, Rexroad Formation, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1937.
- Sigmodon cf. hispidius* Say and Ord 1825
- KUVP 7361 *Sigmodon cf. hispidius* Say and Ord—Hibbard 1952: text-fig. 8; part of right ramus bearing M_1 - M_3 .
Quaternary, Pleistocene, Kentuck fauna; along west side of NW $\frac{1}{4}$, Sec. 13, T18S, R3W, McPherson County, Kansas; collected by C. T. Williams, M. Maldonado and C. W. Hibbard 1944.
- Symmetrodontomys* Hibbard 1941A
Symmetrodontomys simplicidens Hibbard 1941A
(Type-Species)
- KUVP 4601 *Symmetrodontomys simplicidens* gen. et. sp. nov.—Hibbard 1941A: p. 354, text-fig. 12; holotype, incomplete left ramus bearing incisors, M_1 - M_3 .
- KUVP 4545 *Symmetrodontomys simplicidens* gen. et. sp. nov.—Hibbard 1941A: p. 354; paratype, left ramus with M_1 - M_3 , not figured.
- KUVP 4546 *Symmetrodontomys simplicidens* gen. et. sp. nov.—Hibbard 1941A: p. 354; paratype, incomplete right ramus with M_1 , not figured.
- KUVP 4548 *Symmetrodontomys simplicidens* gen. et. sp. nov.—Hibbard 1941A: p. 354; paratype, incomplete left ramus with M_2 , not figured.
- KUVP 4550 *Symmetrodontomys simplicidens* gen. et. sp. nov.—Hibbard 1941A: p. 354; paratype, incomplete right ramus with M_1 , not figured.
- KUVP 4552 *Symmetrodontomys simplicidens* gen. et. sp. nov.—Hibbard 1941A: p. 354; paratype, incomplete right ramus with M_2 , not figured.
- KUVP 4553 *Symmetrodontomys simplicidens* gen. et. sp. nov.—Hibbard 1941A: p. 354;

- paratype, incomplete right ramus bearing M_2 , not figured.
- KUVP 4555 *Symmetrodontomys simplicidens* gen. et. sp. nov.—Hibbard 1941A: p. 354; paratype, incomplete right ramus bearing M_1 - M_3 , not figured.
- KUVP 4671 *Symmetrodontomys simplicidens* gen. et. sp. nov.—Hibbard 1941A: p. 354; paratype, incomplete left ramus bearing M_3 , not figured.
- KUVP 4545-46, 4548, 4550, 4552-53, 4555, 4601, 4671 Tertiary, Pliocene, Blancan, Rexroad Formation, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1937.
- KUVP 4541 *Symmetrodontomys simplicidens* Hibbard—Hibbard 1941B: pl. 2, fig. 5; left ramus.
Tertiary, Pliocene, Blancan, Rexroad Formation, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1937.
- Synaptomys* Baird 1857
Synaptomys (Mictomys) borealis (Richardson 1828)
- KUVP 6625b *Synaptomys (Mictomys) borealis* (Richardson)—Hibbard 1944A: text-fig. 10B; LM^1 ; not relocated.
- KUVP 6684 *Synaptomys (Mictomys) borealis* (Richardson)—Hibbard 1944A: text-fig. 10C; LM^3 .
- KUVP 6189 *Synaptomys (Mictomys) borealis* (Richardson)—Hibbard 1944A: text-fig. 10D; LM_1 - M_2 .
- KUVP 6625a *Synaptomys (Mictomys) borealis* (Richardson)—Hibbard 1944A: text-fig. 10E; RM^1 ; not relocated.
- KUVP 6682 *Synaptomys (Mictomys) borealis* (Richardson)—Hibbard 1944A: text-fig. 10F; RM^3 .
- KUVP 6189, 6625a-b, 6682, 6684 Quaternary, Pleistocene, Meade Formation, Cudahy fauna, NE $\frac{1}{4}$, Sec. 26, T32S, R28W, Meade County, Kansas; collected by C. W. Hibbard and party 1942.
- Synaptomys bunker* Hibbard 1940C
- KUVP 4610 *Synaptomys bunker* sp. nov.—Hibbard 1940C: p. 367, pl. 10L, fig. 1; holotype.
Synaptomys bunker—Hibbard 1954: text-fig. 1A.
Synaptomys bunker—Hibbard 1955: text-fig. 7A; right lower jaw bearing M_1 - M_2 .
Quaternary, Pleistocene; XI Ranch, 21 Miles south of Meade, Meade County, Kansas; collected by K.U. field party 1937.
- Synaptomys (Mictomys) kansasensis* Hibbard 1952.
- KUVP 7425 *Synaptomys (Mictomys) kansasensis* n. sp.—Hibbard 1952: p. 9, text-fig. 9A; holotype, part of a right ramus bearing incisor, M_1 - M_3 .
- KUVP 7365 *Synaptomys (Mictomys) kansasensis* n. sp.—Hibbard 1952: p. 9, text-figs. 9B-C; paratype, left ramus bearing M_2 - M_3 .
- KUVP 7370 *Synaptomys (Mictomys) kansasensis* n. sp.—Hibbard 1952: p. 9, text-fig. 9D; paratype, right ramus bearing M_1 - M_2 .
- KUVP 7366 *Synaptomys (Mictomys) kansasensis* n. sp.—Hibbard 1952: p. 9; paratype, nearly complete right ramus without teeth, not figured.
- KUVP 7369 *Synaptomys (Mictomys) kansasensis* n. sp.—Hibbard 1952: p. 9; paratype, right ramus bearing M_1 - M_3 , not figured.
- KUVP 7378 *Synaptomys (Mictomys) kansasensis* n. sp.—Hibbard 1952: p. 9; paratype, right ramus bearing M_1 (isolated) and M_2 , not figured.
- KUVP 7374 *Synaptomys (Mictomys) kansasensis* n. sp.—Hibbard 1952: p. 9; paratype, part of left ramus bearing M_1 , not figured.

- KUVP 7375 *Synaptomys (Mictomys) kansasensis* n. sp.—Hibbard 1952: p. 9; paratype, part of left ramus bearing M_1 , not figured.
- KUVP 7376 *Synaptomys (Mictomys) kansasensis* n. sp.—Hibbard 1952: p. 9; paratype, part of left ramus bearing M_1 - M_2 , not figured.
- KUVP 7365-66, 7369-70, 7374-76, 7378, 7425 Quaternary, Pleistocene, Kentuck fauna, west side of NW $\frac{1}{4}$, Sec. 13, T18S, R3W, McPherson County, Kansas; collected by C. T. Williams, M. Maldonado, and C. W. Hibbard 1944; KUVP 7425 collected by C. W. Hibbard 1945.
- Synaptomys (Mictomys) cf. vetus* Wilson 1933
- KUVP 6151 *Synaptomys (Mictomys) cf. vetus* Wilson—Hibbard 1941C: pl. 2, figs. 1, 3, 4, and 11; fragmentary left ramus bearing M_1 and M_2 , and ten isolated lower and upper molars.
Quaternary, Pleistocene; Borchers Ranch, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 21, T33S, R28W, Meade County, Kansas; collected by J. Tihen and party 1940.
- Wilsoniumys* Martin 1980
Wilsoniumys planidens (Wilson) 1949
(Type-species)
- KUVP 8449 *Eumys planidens* Wilson—Galbreath 1953: text-fig. 21A; M_1 - M_3 .
- KUVP 8450 *Eumys planidens* Wilson—Galbreath 1953: text-fig. 21B; M_1 .
Wilsoniumys planidens (Wilson) new genus—Martin 1980: text-fig. 7A; incisor.
- KUVP 8449-50 Tertiary, middle Oligocene, Orellan, White River Formation, Cedar Creek Member; W $\frac{1}{2}$, Sec. 7, T11N, R53W, Logan County, Colorado; collected by R. R. Camp 1949.
- KUVP 8472 *Wilsoniumys planidens* (Wilson) new genus—Martin 1980: text-fig. 7B; left ramus with M_1 - M_3 .
Tertiary, middle Oligocene, Orellan, White River Formation, Cedar Creek Member; SW $\frac{1}{4}$, Sec. 2, T11N, R54W, Logan County, Colorado; collected by E. C. Galbreath 1949.
- Superfamily Dipodoidea Weber 1904
Family Zapodidae Coues 1875
Plesiosminthus Virét 1926
Plesiosminthus (Plesiosminthus) clivus Galbreath 1953
- KUVP 10245 *Plesiosminthus (Plesiosminthus) clivus* Galbreath—Wilson 1960: text-fig. 126; right upper jaw fragment with P^1 - M^1 .
Tertiary, early Miocene, Arikarean; Pawnee Creek Formation, Martin Canyon local fauna; Quarry A, NE $\frac{1}{4}$, Sec. 27, T11N, R53W, Logan County, Colorado; collected by R. W. Wilson and party 1951-52.
- Plesiosminthus (Schaubeumys) galbreathi* Wilson 1960.
- KUVP 10250 *Plesiosminthus (Schaubeumys) galbreathi* n. sp.—Wilson 1960: p. 83, text-fig. 131; holotype, left lower jaw with M_1 - M_3 .
Plesiosminthus galbreathi Wilson—Savage and Russell 1983: text-fig. 6-10D; lower jaw with M_1 - M_3 ; text-fig. 131 in Wilson 1960.
- KUVP 10256 *Plesiosminthus (Schaubeumys) galbreathi* n. sp.—Wilson 1960: text-fig. 127; right upper incisor.
- KUVP 10252 *Plesiosminthus (Schaubeumys) galbreathi* n. sp.—Wilson 1960: text-fig. 128; fragment of left upper jaw with P^1 - M^1 .
- KUVP 10255 *Plesiosminthus (Schaubeumys) galbreathi* n. sp.—Wilson 1960: text-fig. 129; left M^3 .

- KUVP 10253 *Plesiosminthus (Schaubeumys) galbreathi* n. sp.—Wilson 1960: text-fig. 130; fragmentary left upper jaw with M¹-M².
- KUVP 10250, 10252-53, 10255-56 Tertiary, early Miocene, Arikareean, Pawnee Creek Formation, Martin Canyon local fauna; Quarry A, NE¹/₄, Sec. 27, T11N, R53W, Logan County, Colorado; collected by R. W. Wilson and party 1951-52.
- Plesiosminthus (Schaubeumys) sabrae* (Black) 1958
- KUVP 19404 *Plesiosminthus (Schaubeumys) sabrae* (Black)—Sutton 1972: text-fig. 1C; fragment of right maxilla with M²-M³.
- KUVP 19403 *Plesiosminthus (Schaubeumys) sabrae* (Black)—Sutton 1972: text-fig. 10; fragment of right lower jaw with M₂-M₃.
- KUVP 19402 *Plesiosminthus (Schaubeumys) sabrae* (Black)—Sutton 1972: text-figs. 1E-F; fragment of left lower jaw with M₁-M₃.
- KUVP 19402-04 Tertiary, middle Miocene, Hemingfordian, Split Rock Formation, Split Rock local fauna; SW¹/₄, SW¹/₄, NW¹/₄, Sec. 36, T29N, R90W, Natrona County, Wyoming; collected by C. C. Black and J. F. Sutton 1970-71.
- Plesiosminthus? clivosus* Galbreath 1953
- KUVP 9279 *Plesiosminthus? clivosus* new species—Galbreath 1953: p. 99, text-fig. 26; holotype, left jaw with M₁-M₃.
Tertiary, early Miocene, Arikareean; Pawnee Creek Formation, Martin Canyon local fauna; Quarry A, NE¹/₄, Sec. 27, T11N, R53W, Logan County, Colorado; collected by E. C. Galbreath and party 1950.
- Zapus* Coues 1875
- Zapus burti* Hibbard 1941C
- KUVP 6152 *Zapus burti* sp. nov.—Hibbard 1941C: p. 214, pl. 1, fig. 11; holotype.
Zapus burti Hibbard—Hibbard 1951: text-fig. 1; right M₁-M₃.
Zapus burti Hibbard—Hibbard 1955C: text-fig. 5C; incomplete right ramus bearing M₁-M₃.
- KUVP 5341 *Zapus burti* sp. nov.—Hibbard 1941C: p. 214; paratype, fragmentary right ramus bearing M₁ and the posterior part of M₂ of an old adult.
- KUVP 7604 *Zapus burti* Hibbard—Hibbard 1955C: text-fig. 5B; left M₁ and M₂, not relocated.
- KUVP 5341, 6152, 7604 Quaternary, Pleistocene, Borchers fauna, NW¹/₄, NE¹/₄, Sec. 21, T33S, R25W, Meade County, Kansas; 6152 collected by J. Tihen and party 1940; 5341 collected by C. W. Hibbard and party 1939; 7604 collected by C. W. Hibbard and party 1941.
- Superfamily Geomyoidea Weber 1904
Family Eomyidae Deperét and Douxami 1902
Centimanomys Galbreath 1955B
Centimanomys major Galbreath 1955B
(Type-species)
- KUVP 9902 *Centimanomys major* n. gen. and sp.—Galbreath 1955B: p. 75, text-fig. 1; holotype, left lower jaw with P₄-M₃.
Tertiary, early Oligocene, Chadronian, White River Formation, Horsetail Creek Member; W¹/₂, Sec. 9, T10N, R51W, Logan County, Colorado; collected by E. C. Galbreath 1951.
- Kansasimys* Wood 1936
Kansasimys dubius Wood 1936
(Type-species)

- KUVP 3582 *Kansasimys dubius* n. gen. et sp.—Wood 1936: p. 392, text-fig. 1; holotype, left P₄-M₂.
Tertiary, middle Pliocene, Hemphillian, Ogallala Formation; Edson Quarry, Sec. 25, T10S, R38W, Sherman County, Kansas; collected by H. T. Martin and party 1926.
Metadjidaumo Setoguchi 1978
Metadjidaumo cedrus Korth 1981A
- KUVP 8246 *Metadjidaumo cedrus* n. sp.—Korth 1981A: p. 599, text-fig. 2; holotype, LP₄-M₂.
Tertiary, middle Oligocene, Orellan, White River Formation, Cedar Creek Member, W¹/₂, Sec. 7, T11N, R53W, Logan County, Colorado; collected by R. R. Camp and party 1946.
Pseudotheridomys Schlosser 1926
Pseudotheridomys hesperus Wilson 1960
- KUVP 10195 *Pseudotheridomys hesperus* n. sp.—Wilson 1960: p. 72, text-fig. 99; holotype, right lower jaw with P₄-M₂.
Pseudotheridomys hesperus Wilson—Fahlbusch 1973: pl. 10, fig. 1A; right lower jaw; fig. 1b; P₄-M₂ (inverse).
Pseudotheridomys hesperus Wilson—Engesser 1979: p. 12, fig. 3; left P₄-M₂.
This figure of the holotype has been inverted.
- KUVP 10199 *Pseudotheridomys hesperus* Wilson—Fahlbusch 1973: pl. 10, fig. 3; left P₄, not relocated.
- KUVP 10200 *Pseudotheridomys hesperus* n. sp.—Wilson 1960: text-fig. 96; right P₄.
Pseudotheridomys hesperus Wilson—Fahlbusch 1973: pl. 10, fig. 4; left P₄.
Pseudotheridomys hesperus Wilson—Engesser 1979: pl. 11, fig. 3; LP⁴, (inverse).
- KUVP 10201 *Pseudotheridomys hesperus* n. sp.—Wilson 1960: text-fig. 97; interpreted as a right M².
Pseudotheridomys hesperus Wilson—Fahlbusch 1973: pl. 10, fig. 5; right M¹ or M² (inverse).
Pseudotheridomys hesperus Wilson—Engesser 1979: pl. 11, fig. 3; interpreted as a left (inverse) M¹.
- KUVP 10202 *Pseudotheridomys hesperus* n. sp.—Wilson 1960: text-fig. 98; right M¹.
- KUVP 10197 *Pseudotheridomys hesperus* n. sp.—Wilson 1960: text-fig. 100; left P⁴.
Pseudotheridomys hesperus Wilson—Fahlbusch 1973: pl. 10, fig. 2; left P₄.
- KUVP 10196 *Pseudotheridomys hesperus* n. sp.—Wilson 1960: text-fig. 101; left M₁-M₂.
Pseudotheridomys hesperus Wilson—Savage and Russell 1983: text-fig. 6-10E; upper teeth, lower jaw and lower teeth; text-figs. 96-101 in Wilson 1960.
- KUVP 10195-97, 10199-02 Tertiary, early Miocene, Arikareean, Pawnee Creek Formation, Martin Canyon local fauna; Quarry A, NE¹/₄, Sec. 27, T11N, R53W, Logan County, Colorado; collected by R. W. Wilson and party 1951-52.
Family Geomyidae Gill 1871
Geomys Rafinesque 1817
Geomys lutescens (Merriam 1890)
- KUVP 3959 *Geomys lutescens* (Merriam)—Hibbard 1937C: pl. 1, fig. 3; skull.
Quaternary, Pleistocene, Big Spring Ranch, southwest Meade County, Kansas; collected by H. T. U. Smith 1936.
Geomys quini McGrew 1944
- KUVP 4576 *Geomys quini* McGrew—Hibbard 1956: text-fig. 8F.

- Geomys* sp.—Hibbard 1941B: pl. 2, fig. 7; left lower jaw with incisor, P₄-M₂. Tertiary, Pliocene, Blancan, Rexroad Formation, NW¹/₄, SE¹/₂, Sec. 15, T35S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1937.
- KUVP 4771 *Geomys quini* McGrew—Franzen 1947: pl. A, fig. 4; right P₄. Tertiary, Pliocene, Rexroad Formation, NW¹/₄, SW¹/₄, Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1938.
- Geomys* sp.
- KUVP 4595 *Geomys* sp.—Hibbard 1941B: pl. 2, fig. 4; P₄-M₃, erroneously listed as 4594 in the caption to the figure.
- KUVP 4539 *Geomys* sp.—Hibbard 1941B: pl. 3, fig. 4; P₄-M₂.
Geomys quini McGrew-Franzen 1947: pl. A, fig. 6; right P₄.
- KUVP 4539, 4594 Tertiary, Pliocene, Blancan, Rexroad Formation, NW¹/₄, SW¹/₄, Sec. 22, T35S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1937.
- KUVP 5234 *Geomys* sp.—Hibbard 1941C: pl. 1, fig. 10; left ramus with P₂-M₂.
Geomys sp.—Franzen 1947: pl. A, fig. 2; left P₄.
Quaternary, Pleistocene, Borchers Ranch, NW¹/₄, NE¹/₄, Sec. 21, T35S, R28W, Meade County, Kansas; collected by C. W. Hibbard and party 1939.
- KUVP 6732 *Geomys* sp.—Hibbard 1943B: pl. 19, fig. 2; right M³, not relocated.
Quaternary, Pleistocene; Rezabeck gravel pit, SW¹/₄, Sec. 20, T13S, R10W, Lincoln County, Kansas; collected by C. W. Hibbard and party 1942.
- KUVP 6697 *Geomys* sp.—Hibbard 1944A: text-fig. 7A; right P⁴.
- KUVP 6698 *Geomys* sp.—Hibbard 1944A: text-fig. 7B; right M₁.
- KUVP 6699 *Geomys* sp.—Hibbard 1944A: text-fig. 7C; left P₄.
- KUVP 6700 *Geomys* sp.—Hibbard 1944A: text-fig. 7D; left M³.
- KUVP 6697-6700 Quaternary, Pleistocene, Meade Formation; volcanic ash pit 8 miles west of Fowler, Meade County, Kansas; collected by C. W. Hibbard and party 1942.
- KUVP 7346 *Geomys* sp.—Hibbard 1952B: text-fig. 5; left P₄-M₁.
Quaternary, Pleistocene, Kentuck fauna, along west side of NW¹/₄, Sec. 13, T18S, R3W, McPherson County, Kansas; collected by C. T. Williams and C. W. Hibbard 1944.
- Parageomys* Hibbard 1944A
Parageomys tobinensis Hibbard 1944A
(Type-species)
- KUVP 6652 *Parageomys tobinensis* n. gen., n. sp.—Hibbard 1944A: p. 736, text-fig. 16B; holotype, left ramus with P₄-M₂.
Quaternary, Pleistocene, Meade Formation; Tobin fauna, SE¹/₄, SW¹/₄, Sec. 35, T14S, R11W, Russell County, Kansas; collected by C. W. Hibbard and party 1941.
- KUVP 6696 *Parageomys tobinensis* n. gen., n. sp.—Hibbard 1944A: p. 736, text-fig. 16a; paratype, right P₄.
Quaternary, Pleistocene, Meade Formation, Cudahy fauna, NE¹/₄, Sec. 26, T32S, R28W, Meade County, Kansas; collected by C. W. Hibbard and party 1942.
- Pleurolicus* Cope 1878
Pleurolicus sp.
- KUVP 18400 *Pleurolicus* sp.—Rasmussen 1972: cover of Geotimes magazine, vol. 17, n. 8, August 1972; complete skeleton.
Pleurolicus sp.—Anonymous, date unknown: photos on page 87 of Mineral Digest, Vol. 5; complete skeleton and close up of skull and jaws (photos by

D. L. Rasmussen and James Bel).

Pleurolicus sp.—Stokes 1984: text-fig. page 369; complete skeleton.

Tertiary, early Miocene, Arikareean; Cabbage Patch Formation, Dingwall Ranch, Granite County, Montana; collected by D. L. Rasmussen 1971.

Thomomys Maximilian 1839

Thomomys sp.

- KUVP 3926 *Thomomys* sp.—Hibbard 1937D: pl. 3, fig. 19; two premolars.
Tertiary, Pliocene, Blancan, Rexroad Formation, NE¹/₄, NW¹/₄, Sec. 22, T35S, R29W, Meade County, Kansas; collected by K. U. field party 1936.

Family Heteromyidae Allen and Chapman 1893

Dipodomys Gray 1841

Dipodomys kansensis Hibbard 1937B

- KUVP 3945 *Dipodomys kansensis* n. sp.—Hibbard 1937B: p. 462, text-fig. 3; holotype, left lower jaw bearing incisor and P₄, alveoli of M₁, M₂, and M₃.
Prodipodomys kansensis (Hibbard)—Hibbard 1962: text-fig. 1A; left jaw.
Tertiary, middle Pliocene, Hemphillian; Ogallala Formation, Edson beds, Sec. 25, T10S, R38W, Sherman County, Kansas; collected by C. W. Hibbard 1936.

Etadonomys Hibbard 1943A

Etadonomys tiheni Hibbard 1943A

(Type-species)

- KUVP 6461 *Etadonomys tiheni* gen. et. sp. nov.—Hibbard 1943A: p. 185, text-fig. 9; holotype, incomplete left ramus with alveoli of P₄ in part, and M₁-M₃.
KUVP 6123 *Etadonomys tiheni* gen. et. sp. nov.—Hibbard 1943A: text-fig. 5; right P₄-M₁.
KUVP 6733 *Etadonomys tiheni* gen. et. sp. nov.—Hibbard 1943A: text-fig. 6; left P₄-M₁.
KUVP ? *Etadonomys tiheni* gen. et. sp. nov.—Hibbard 1943A: text-fig. 7; left P⁴-M¹, not relocated.
KUVP 6734 *Etadonomys tiheni* gen. et. sp. nov.—Hibbard 1943A: text-fig. 8; right P₄-M₁, not relocated.
KUVP 6123, 6461, 6733-34 Quaternary, Pleistocene, Meade Formation, NW¹/₄, NE¹/₄, Sec. 21, T33S, R28W, Meade County, Kansas; collected by J. Tihen and party 1940.

Florentiamys Wood 1936

Florentiamys sp.

- KUVP 10231 *Florentiamys* sp.—Wilson 1960: text-fig. 115; left M¹ or M².
Tertiary, early Miocene, Arikareean, Pawnee Creek Formation, Martin Canyon local fauna; Quarry A, NE¹/₄, Sec. 27, T11N, R53W, Logan County, Colorado; collected by R. W. Wilson and party 1951-52.

Heliscomys Cope 1873

Heliscomys tenuiceps Galbreath 1948

- KUVP 7702 *Heliscomys tenuiceps* new species—Galbreath 1948: p. 289, pl. 2 and pl. 3; holotype, skull and upper dentition.
Tertiary, middle Oligocene, Orellan, Brule Formation, Cedar Creek facies. (In later publications by Galbreath and others pertaining to Orellan fossils from Logan County, Colorado, the formation is given as White River and the Cedar Creek facies is considered as a member of the White River Formation.)
"Chimney Canyon", Sec. 3, T11N, R54W, Logan County, Colorado; collected by E. C. Galbreath and party 1946.
KUVP 10314 *Heliscomys tenuiceps* Galbreath—Galbreath 1961: text-fig. 1; skull.
Tertiary, middle Oligocene, Orellan, White River Formation, Cedar Creek

Member; E $\frac{1}{2}$, Sec. 12, T11N, R54W, Logan County, Colorado; collected by G. Jakway 1956.

Heliscomys vetus Cope 1873

KUVP 10372 *Heliscomys vetus* Cope—Galbreath 1962: text-fig. 1C; dP $_4$; text-fig. 1B; P $_4$, not relocated.

KUVP 10373 *Heliscomys vetus* Cope—Galbreath 1962: text-fig. 1C; dP $_4$; text-fig. 1D; P $_4$, not relocated.

KUVP 10372-73 Tertiary, middle Oligocene, Orellan, White River Formation, Cedar Creek Member, SW $\frac{1}{4}$, Sec. 12, T11N, R54W, Logan County, Colorado; collected by E. C. Galbreath and party 1949.

Heliscomys sp. cf. *H. vetus* Cope 1873

KUVP 16626 *Heliscomys* sp. cf. *H. vetus* Cope—Setoguchi 1978: text-figs. 23A-C; skull with left P $_4$ -M $_2$, not relocated; text-figs. 23D-E: left jaw with P $_4$, not relocated.

Tertiary, middle Oligocene, Orellan, NW $\frac{1}{4}$, Sec. 24, T39N, R89W, Natrona County, Wyoming; collected by C. C. Black and party 1971.

Liomys Merriam 1902

Liomys centralis Hibbard 1941A

KUVP 4589 *Liomys centralis* sp. nov.—Hibbard 1941A: p. 349, text-fig. 8; holotype, part of left ramus bearing incisor, P $_4$ -M $_1$ and alveolus of M $_2$.

Tertiary, Pliocene, Blancan, Rexroad Formation, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1937.

Mookomys Wood 1931

Mookomys sp. cf. *M. formicorum* Wood 1935

KUVP 10232 *Mookomys* sp. cf. *M. formicorum* Wood—Wilson 1960: text-fig. 116; left P $_4$.

KUVP 10233 *Mookomys* sp. cf. *M. formicorum* Wood—Wilson 1960: text-figs. 117 and 120; left M $_1$ and M $_2$. Text-fig. 117 erroneously listed as 10133. Two teeth have been catalogued under 10233 and both are figured.

KUVP 10234 *Mookomys* sp. cf. *M. formicorum* Wood—Wilson 1960: text-fig. 118; left P $_4$.

KUVP 10235 *Mookomys* sp. cf. *M. formicorum* Wood—Wilson 1960: text-fig. 119; right P $_4$ -M $_1$.

KUVP 10232-35 Tertiary, early Miocene, Arikareean, Pawnee Creek Formation, Martin Canyon local fauna; Quarry A, NE $\frac{1}{4}$, Sec. 27, T11N, R53W, Logan County, Colorado; collected by R. W. Wilson and party 1951-52.

Perognathus Maximilian 1839

Perognathus gidleyi Hibbard 1941A

KUVP 4775 *Perognathus gidleyi* sp. nov.—Hibbard 1941A: p. 350, text-fig. 9; holotype, part of left ramus bearing P $_4$ -M $_3$.

KUVP 5928 *Perognathus gidleyi* sp. nov.—Hibbard 1941A: p. 350; paratype, part of right maxillary bearing P $_4$ -M $_1$.

KUVP 4775, 5928 Tertiary, Pliocene, Blancan, Rexroad Formation, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1937.

KUVP 6154 *Perognathus gidleyi* Hibbard—Hibbard 1942: pl. 1, fig. 2; right maxillary with P $_4$ -M $_3$.

KUVP 5350 *Perognathus gidleyi* Hibbard—Hibbard 1942: pl. 1, fig. 5; right ramus with P $_4$ -M $_2$.

KUVP 5350, 6154 Quaternary, Pleistocene, Meade Formation, Borchers Ranch, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 21, T33S, R28W, Meade County, Kansas; 5350 collected by C. W. Hibbard and party 1939; 6154 collected by J. Tihen and party 1940.

Perognathus hispidus Baird 1857

- KUVP 7427 *Perognathus hispidus* Baird—Hibbard 1952: text-fig. 7; left ramus with P₄-M₃, Quaternary, Pleistocene, Kentuck fauna, along west side of NW¹/₄, Sec. 13, T18S, R3W, McPherson County, Kansas; collected by R. Rinker, R. R. Camp and C. W. Hibbard 1945.

Perognathus mclaughlini Hibbard 1949

- KUVP 7740 *Perognathus mclaughlini* sp. nov.—Hibbard 1949: p. 98, text-fig. 2M; paratype, left maxillary bearing M¹-M². Tertiary, Pliocene, Blancan, Rexroad Formation, Sawrock Canyon, XI Ranch, SE¹/₄, Sec. 35, T34S, R31W, Seward County, Kansas; collected by M. Green 1943.

Perognathus pearlettensis Hibbard 1941C

- KUVP 5127 *Perognathus pearlettensis* sp. nov.—Hibbard 1941C: p. 207, pl. 1, fig. 9; holotype, nearly complete right ramus bearing P₄-M₃, not relocated.
- KUVP 5362 *Perognathus pearlettensis* sp. nov.—Hibbard 1941C: p. 207, pl. 1, fig. 12; paratype, maxillary bearing P⁴-M³.
- KUVP 5231 *Perognathus pearlettensis* sp. nov.—Hibbard 1941C: p. 207, pl. 2, fig. 10; paratype, fragmentary right ramus bearing P₄-M₃.
- KUVP 5361 *Perognathus pearlettensis* sp. nov.—Hibbard 1941C: p. 207, pl. 2, fig. 14; paratype, maxillary bearing P⁴-M².
- KUVP 5353 *Perognathus pearlettensis* sp. nov.—Hibbard 1941C: p. 207; paratype, fragmentary left ramus bearing P₄-M₃, not relocated.
- KUVP 5354 *Perognathus pearlettensis* sp. nov.—Hibbard 1941C: p. 207; paratype, fragmentary left ramus bearing incisor and P₄-M₂, not relocated.
- KUVP 5365 *Perognathus pearlettensis* sp. nov.—Hibbard 1941C: p. 207; paratype, fragmentary left ramus bearing incisor and P₄-M₂.
- KUVP 5709 *Perognathus pearlettensis* sp. nov.—Hibbard 1941C: p. 207; paratype, fragmentary right ramus bearing P₄-M₁, not relocated.
- KUVP 6122 *Perognathus pearlettensis* sp. nov.—Hibbard 1941C: p. 207; paratype, nearly complete right ramus bearing incisor and P₄, not relocated.
- KUVP 5231, 5353-54, 5361-62, 5365, 5709, 6122, 6127 Quaternary, Pleistocene; east of State lake, Borchers Ranch, SW¹/₄, NE¹/₄, Sec. 21, T33S, R28W, Meade County, Kansas; all except 6122 and 6127, collected by C. W. Hibbard 1939; 6122 and 6127 collected by J. Tihen and party 1940.

Perognathus sp.

- KUVP 3935 *Perognathus* sp.—Hibbard 1937D: pl. 3, fig. 18; upper premolar. Tertiary, Pliocene, Blancan, Rexroad Formation, NW¹/₄, NE¹/₄, Sec. 22, T33S, R29W, Meade County, Kansas; collected by K.U. field party 1936.
- Perognathus* sp.—Hibbard 1942: pl. 1, fig. 9; right ramus with P₄. Quaternary, Pleistocene, Meade Formation, Jones Ranch, Sec. 8, T33S, R27W, Meade County, Kansas; collected by J. Tihen and party 1940.

Proheteromys Wood 1932*Proheteromys* sp. cf. *P. magnus* Wood 1935

- KUVP 10239 *Proheteromys* sp. cf. *P. magnus* Wood—Wilson 1960: text-fig. 121; right P₄.
- KUVP 10240 *Proheteromys* sp. cf. *P. magnus* Wood—Wilson 1960: text-fig. 122; left M₁ or M₂.
- KUVP 10238 *Proheteromys* sp. cf. *P. magnus* Wood—Wilson 1960: text-fig. 123; right M¹ or M².
- KUVP 10237 *Proheteromys* sp. cf. *P. magnus* Wood—Wilson 1960: text-fig. 124; left D^{III}.
- KUVP 10236 *Proheteromys* sp. cf. *P. magnus* Wood—Wilson 1960: text-fig. 125; right P⁴.

KUVP 10236-40 Tertiary, early Miocene, Arikareean, Pawnee Creek Formation, Martin Canyon local fauna; Quarry A, NE $\frac{1}{4}$, Sec. 27, T11N, R53W, Logan County, Colorado; collected by R. W. Wilson and party 1951-52.

Proheteromys sulculus Wilson 1960

KUVP 10203 *Proheteromys sulculus* n. sp.—Wilson 1960: p. 75, text-fig. 114; holotype, left ramus with P₄-M₂.

Proheteromys sulculus Wilson—Savage and Russell 1983: text-figs. 6-10C; lower jaw and lower dentitions; text-figs. 112 and 114 in Wilson 1960.

KUVP 10207 *Proheteromys sulculus* n. sp.—Wilson 1960: text-fig. 102; right P⁴.

KUVP 10210 *Proheteromys sulculus* n. sp.—Wilson 1960: text-fig. 103; right P⁴.

KUVP 10211 *Proheteromys sulculus* n. sp.—Wilson 1960: text-fig. 104; right P⁴.

KUVP 10213 *Proheteromys sulculus* n. sp.—Wilson 1960: text-fig. 105; left P⁴.

KUVP 10215 *Proheteromys sulculus* n. sp.—Wilson 1960: text-fig. 106; left P⁴.

KUVP 10214 *Proheteromys sulculus* n. sp.—Wilson 1960: text-fig. 107; right P⁴.

KUVP 10205 *Proheteromys sulculus* n. sp.—Wilson 1960: text-fig. 108; right M¹ or M².

KUVP 10209 *Proheteromys sulculus* n. sp.—Wilson 1960: text-fig. 109; right M³.

KUVP 10225 *Proheteromys sulculus* n. sp.—Wilson 1960: text-fig. 110; right P⁴.

KUVP 10220 *Proheteromys sulculus* n. sp.—Wilson 1960: text-fig. 111; right D_m.

KUVP 10217 *Proheteromys sulculus* n. sp.—Wilson 1960: text-fig. 112; left P₄-M₂.

KUVP 10219 *Proheteromys sulculus* n. sp.—Wilson 1960: text-fig. 113; right M₃.

KUVP 10203, 10205, 10207, 10209-11, 10213-15, 10217, 10219-20, 10225 Tertiary, early Miocene, Arikareean, Pawnee Creek Formation, Martin Canyon local fauna; Quarry A, NE $\frac{1}{4}$, Sec. 27, T11N, R53W, Logan County, Colorado; collected by R. W. Wilson and party 1951-52.

Suborder Castorimorpha Wood 1955

Superfamily Castoroidea Gill 1872

Family Castoridae Gray 1821

Agnotocastor Stirton 1935

Agnotocastor coloradensis Wilson 1949

KUVP 8230 *Agnotocastor coloradensis* Wilson—Galbreath 1953: text-fig. 20; right jaw fragment with P₄-M₂.

KUVP 8229 *Agnotocastor coloradensis* Wilson—Galbreath 1953: text-fig. 20; maxillary with right P³-M², not relocated.

KUVP 8234 *Agnotocastor coloradensis* Wilson—Galbreath 1953: text-fig. 20; left maxillary with P⁴-M¹ and right jaw with M¹.

KUVP 8226 *Agnotocastor coloradensis* Wilson—Galbreath 1953: text-fig. 20; maxillaries with left P⁴-M¹ and right M¹-M².

KUVP 8227 *Agnotocastor coloradensis* Wilson—Galbreath 1953: text-fig. 20; maxillary with right P³-M².

KUVP 8231 *Agnotocastor coloradensis* Wilson—Galbreath 1953: text-fig. 20; right jaw with P⁴-M².

KUVP 8228 *Agnotocastor coloradensis* Wilson—Galbreath 1953: text-fig. 20; anterior part of skull with right P⁴-M³ and left P⁴-M³.

KUVP 8226-31, 8234 Tertiary, middle Oligocene, Orellan, White River Formation, Cedar Creek Member, center of W $\frac{1}{2}$, Sec. 21, T11N, R53W, Logan County, Colorado; collected by R. W. Wilson 1948, except KUVP 8234 collected by E. C. Galbreath 1948.

Anchitheriomys Roger 1898

Anchitheriomys? sp.

KUVP 10175 *Anchitheriomys?* sp.—Wilson 1960: text-fig. 68; left M₁ or M₂.

- KUVP 10174 *Anchitheriomys?* sp.—Wilson 1960: text-fig. 69; right upper cheek tooth. Listed erroneously in caption to figure as 10074.
- KUVP 10173 *Anchitheriomys?* sp.—Wilson 1960: text-fig. 70; skull fragment with right P⁴-M³.
Anchitheriomys—Savage and Russell 1983: text-fig. 6-10B; skull and upper dentition; text-fig. 70 in Wilson 1960.
- KUVP 10173-75 Tertiary, early Miocene, Arikareean, Pawnee Creek Formation, Martin Canyon local fauna; Quarry A, NE¹/₄, Sec. 27, T11N, R53W, Logan County, Colorado; collected by R. W. Wilson and party 1951-52.
- Castor* Linnaeus 1758
Castor sp.
- KUVP 4727 *Castor* sp.—Hibbard 1939C: pl. 1, fig. 4; right M₁.
Quaternary, Pleistocene; XI Ranch, 9 miles south of State lake and 21 miles south of Meade, Meade County, Kansas; collected by C. W. Hibbard and party 1938.
- Castoroides* Foster 1838
Castoroides kansensis Martin 1912
- KUVP 3196 *Castoroides kansensis* new species—Martin 1912: p. 389, pl. 24, fig. B; holotype, dorsal side of skull; pl. 25, fig. B; palatine side of skull; pl. 26, fig. B; lateral side of skull.
Quaternary, Pleistocene; thirty-four foot level of Coal Shaft No. 2, 3¹/₂ miles southwest of Boicourt, Linn County, Kansas; collected by W. J. Thirwell 1900.
- Castoroides* sp.
- KUVP 6296 *Castoroides* sp.—Hibbard 1943B: pl. 19, fig. 1; fragmentary upper incisor.
Quaternary, Pleistocene, Rezabeck gravel pit, SW¹/₄, Sec. 20, T13S, R10W, Lincoln County, Kansas; collected by C. W. Hibbard and A. B. Leonard 1947.
- Dipoides* Schlosser 1902
Dipoides rexroadensis Hibbard and Riggs 1949
- KUVP 7693 *Dipoides rexroadensis* sp. nov.—Hibbard and Riggs 1949: p. 835, text-fig. 1G; holotype, ?LM¹.
Tertiary, upper Pliocene, Blancan, Rexroad Formation; Keefe Canyon, SW¹/₄, SW¹/₄, Sec. 34, T34S, R30W, Meade County, Kansas; collected by C. W. Hibbard and party 1944.
- Dipoides wilsoni* Hibbard 1949
- KUVP 6783 *Dipoides wilsoni* sp. nov.—Hibbard 1949: p. 100, text-fig. 2A; holotype, RP⁴-M³, LP⁴-M² and two upper incisors.
- KUVP 6891 *Dipoides wilsoni* sp. nov.—Hibbard 1949: p. 100; paratype, right tibia.
- KUVP 6892 *Dipoides wilsoni* sp. nov.—Hibbard 1949: p. 100; paratype, two right astragali.
- KUVP 6783, 6891-92 Tertiary, Pliocene, Blancan, Rexroad Formation, Sawrock Canyon, SE¹/₄, Sec. 35, T34S, R31W, Seward County, Kansas; collected by T. McLaughlin and C. W. Hibbard 1943.
- Eucastor* Leidy 1858
Eucastor planus Stirton 1935
- KUVP 3735 *Eucastor planus* new species—Stirton 1935: p. 437, text-figs. 111-112; holotype, palate with cheek teeth; text-fig. 113; lower jaw with incisor and cheek teeth.
Tertiary, early Pliocene, Hemphillian; Juett-Bennett Ranch, ten miles east and

two miles south of Beaver City, Oklahoma; collected by W. K. McNown and C. W. Hibbard 1931.

Eucastor cf. tortus Leidy 1858

KUVP 6885 *Eucastor cf. tortus* Leidy—Hibbard and Phillis 1945: text-fig. 1; right lower jaw with P₄-M₂.

Tertiary, Lower Pliocene; northwest corner of Sec. 22, T11S, R22W, Trego County, Kansas; collected by L. F. Phillis (donor to KUMVP) 1941.

Monosaulax Stirton 1935

Monosaulax n. sp. Wilson 1960

- KUVP 10177a *Monosaulax* n. sp.—Wilson 1960: text-fig. 71; right P⁴.
 KUVP 10177b *Monosaulax* n. sp.—Wilson 1960: text-fig. 72; left P⁴.
 KUVP 10181 *Monosaulax* n. sp.—Wilson 1960: text-fig. 73; right M¹ or M².
 KUVP 10178a *Monosaulax* n. sp.—Wilson 1960: text-fig. 74; right M¹.
 KUVP 10178b *Monosaulax* n. sp.—Wilson 1960: text-fig. 75; right M¹.
 KUVP 10178c *Monosaulax* n. sp.—Wilson 1960: text-fig. 76; right M¹.
 KUVP 10178d *Monosaulax* n. sp.—Wilson 1960: text-fig. 77; right M¹.
 KUVP 10179 *Monosaulax* n. sp.—Wilson 1960: text-fig. 78; left M².
 KUVP 10182 *Monosaulax* n. sp.—Wilson 1960: text-fig. 79; left D^m.
 KUVP 10176 *Monosaulax* n. sp.—Wilson 1960: text-fig. 80; left P⁴-M³.
 KUVP 10185a *Monosaulax* n. sp.—Wilson 1960: text-fig. 81; right P₄.
 KUVP 10185b *Monosaulax* n. sp.—Wilson 1960: text-fig. 82; right P₄.
 KUVP 10185c *Monosaulax* n. sp.—Wilson 1960: text-fig. 83; right P₄.
 KUVP 10186 *Monosaulax* n. sp.—Wilson 1960: text-fig. 84; left P₄.
 KUVP 10190a *Monosaulax* n. sp.—Wilson 1960: text-fig. 85; right M₁.
 KUVP 10190b *Monosaulax* n. sp.—Wilson 1960: text-fig. 86; left M₁.
 KUVP 10190c *Monosaulax* n. sp.—Wilson 1960: text-fig. 87; right M₁.
 KUVP 10191a *Monosaulax* n. sp.—Wilson 1960: text-fig. 88; left M₂.
 KUVP 10191b *Monosaulax* n. sp.—Wilson 1960: text-fig. 89; left M₂.
 KUVP 10192a *Monosaulax* n. sp.—Wilson 1960: text-fig. 90; right M₃.
 KUVP 10192b *Monosaulax* n. sp.—Wilson 1960: text-fig. 91; right M₃.
 KUVP 10192c *Monosaulax* n. sp.—Wilson 1960: text-fig. 92; left M₃.
 KUVP 10187a *Monosaulax* n. sp.—Wilson 1960: text-fig. 93; right D_m.
 KUVP 10187b *Monosaulax* n. sp.—Wilson 1960: text-fig. 94; right D_m.
 KUVP 9283 *Monosaulax* n. sp.—Wilson 1960: text-fig. 95; right P₄-M₂.
 KUVP 9283, 10176, 10177a-b, 10178a-d, 10179, 10181, 10185a-c, 10186, 10187a-b, 10190a-c, 10191a-b, 10192a-c Tertiary, early Miocene, Arikarean, Pawnee Creek Formation, Martin Canyon local fauna; Quarry A, NE¹/₄, Sec. 27, T11N, R53W, Logan County, Colorado; collected by R. W. Wilson and party 1951-52.

Procastoroides Barbour and Schultz 1937

Procastoroides lanei (Hibbard 1938)

KUVP 4577 *Procastoroides lanei* (Hibbard)—Hibbard 1941B: pl. 2, fig. 1; right maxillary with P⁴-M³.

Tertiary, Pliocene, Blancan, Rexroad Formation, NW¹/₄, SE¹/₄, Sec. 15, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1937.

KUVP 3843 *Eocastoroides lanei* sp. nov.—Hibbard 1937D: p. 244, text-fig. 2; holotype, fragmentary posterior portion of the left lower jaw of an old individual with M₂-M₃.

Tertiary, late Pliocene, Blancan; Ogallala Formation, NW¹/₄, SE¹/₄, Sec. 15, T33S, R29W, Meade County, Kansas; collected by K.U. field party 1936.

KUVP 3939 *Eocastoroides* sp.—Hibbard 1937D: pl. 3, fig. 16; upper cheek teeth.

Tertiary, Pliocene, Blancan, Rexroad Formation, NE¹/₄, NW¹/₄, Sec. 22, T33S, R29W, Meade County, Kansas; collected by K.U. field party 1936.

Superfamily indeterminate

Family indeterminate

Zetamys Martin 1974

Zetamys sp.

KUVP 19001 *Zetamys* sp.—Martin 1974: text-fig. 2D; right P⁴.

KUVP 19002 *Zetamys* sp.—Martin 1974: text-fig. 2F; right M¹.

KUVP 19001-02 Tertiary, late Oligocene, Whitneyan, Brule Formation, S¹/₂, Sec. 1, T11S, R9E, Fall River County, South Dakota; collected by L. D. Martin and party 1972.

Order Carnivora Bowdich 1821

Suborder Fissipeda Blumenbach 1791

Superfamily Canoidea Simpson 1931

Family Canidae Gray 1821

Aenocyon Merriam 1918

Aenocyon dirus (Leidy 1858)

KUVP 7434 *Aenocyon dirus* (Leidy)—Hibbard and Taylor 1960: text-fig. 11C; right M₁. Quaternary, Pleistocene, Cragin Quarry; SW¹/₄, Sec. 17, T32S, R28W, Meade County, Kansas; collected by R. Rinker, R. R. Camp and C. W. Hibbard 1943.

KUVP 4613 *Aenocyon dirus* (Leidy)—Hibbard 1939C: pl. 1, fig. 2; left lower jaw bearing complete dentition, I₁-I₃, C, P₁-M₃. Quaternary, Pleistocene; 9 miles south of State lake and 21 miles south of Meade, Meade County, Kansas; collected by C. W. Hibbard and party 1937.

Borophagus Cope 1892

(*Hyaenognathus* Merriam 1903)

Borophagus diversidens Cope 1892

KUVP 7266 *Borophagus diversidens* Cope—Hibbard & Riggs 1949: p. 837, text-fig. 1F; partial right maxilla with C and P².

Tertiary, upper Pliocene, Blancan, Rexroad Formation; Keefe Canyon, SW¹/₄, SW¹/₄, Sec. 34, T34S, R30W, Meade County, Kansas; collected by C. W. Hibbard 1944.

Canis Linnaeus 1758

Canis davis Merriam 1911

KUVP 3608 *Canis davis* Merriam—Harrison 1983: text-fig. 6A and B; right ramus. Tertiary, late Miocene, Hemphillian, Ogallala Formation, Edson beds, Sec. 25, T10S, R38W, Sherman County, Kansas; collected by H. T. Martin and party 1928.

Canis lepophagus Johnston 1938

KUVP 4602 *Canis lepophagus* Johnston—Hibbard 1941B: pl. 1, fig. 2; left maxillary with C, P¹-P², P⁴, M¹-M².

Tertiary, Pliocene, Blancan, Rexroad Formation, NE¹/₄, SW¹/₄, Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1937.

Canis sp.

KUVP 6471 *Canis* sp.—Hibbard 1942: pl. 1, fig. 6; left M¹.

Quaternary, Pleistocene, Meade Formation, Borchers Ranch, NW¹/₄, NE¹/₄, Sec. 231, T33S, R28W, Meade County, Kansas; collected by C. W. Hibbard and party 1941.

- Hyaenognathus cyonoides* Martin 1928
 KUVV 3468 *Hyaenognathus cyonoides* new species—Martin 1928: pl. 21; holotype, right lower jaw with all teeth except P₂ and M₃. Tertiary, Pliocene, Edson Quarry, NW¹/₄, SE¹/₄, Sec. 25, T10S, R38W, Sherman County, Kansas; collected by H. T. Martin and party 1924.
- Leptocyon* Matthew 1918
Leptocyon shermanensis Hibbard 1937B
 KUVV 3608 *Leptocyon shermanensis* sp. nov.—Hibbard 1937B: text-fig. 1; holotype, right lower jaw with alveoli of incisors, C, P₁-P₄ and base of M₁. Tertiary, late Miocene, Hemphillian, Ogallala Formation, Edson beds, Sec. 25, T10S, R38W, Sherman County, Kansas; collected by H. T. Martin and party 1928.
- Nothocyon* Matthew 1899
Nothocyon lemur (Cope 1879)
 KUVV 600 *Nothocyon lemur* (Cope)—Hall & Martin 1930: pl. 20, figs. 1-3; skull and right lower jaw. Tertiary, Oligocene; Haystack Valley, below Turtle Cove, Oregon; collected by H. T. Martin 1905.
- Osteoborus* Stirton & Vanderhoof 1933
Osteoborus cyonoides (Martin 1928)
 KUVV 3155 *Osteoborus cyonoides* (Martin)—Bennett 1979: text-fig. 1A; left dentary bearing C-M₂. Tertiary, late Miocene, Hemphillian; Lost Quarry, NW¹/₄, Sec. 1, T15S, R38W, Wallace County, Kansas; collected by H. T. Martin 1911.
- Osteoborus progressus* Hibbard 1944B
 KUVV 6791 *Osteoborus progressus* sp. nov.—Hibbard 1944B: pl. 10, figs. 1-4; holotype, fragmentary lower jaws, the right half bearing P₃-M₃, the left bearing P₄-M₂. Quaternary, Pleistocene; SE¹/₄, Sec. 35, T34S, R31W, Seward County, Kansas; collected by T. McLaughlin and C. W. Hibbard 1939.
- Vulpes* Frisch 1775
Vulpes cf. *V. shermanensis* (Hibbard 1936)
 KUVV 12422 *Vulpes* cf. *V. shermanensis* (Hibbard 1936)—Bennett 1979; text-figs. 2C-D; P¹. Tertiary, late Miocene, Hemphillian; Found Quarry, NW¹/₄, Sec. 1, T14S, R38W, Wallace County, Kansas; collected by W. A. Clemens and party 1963.
- Canidae* sp.
 KUVV 3914 *Canidae* sp.—Hibbard 1937D: pl. 1, fig. 3; fragmentary right jaw bearing P₄ and a part of M₁. Tertiary, Pliocene, Blancan, Rexroad Formation, NE¹/₄, NW¹/₄, Sec. 22, T33S, R29W, Meade County, Kansas; collected by K.U. field party 1936.
- Family Ursidae Gray 1825
Agriotherium Wagner 1837
Agriotherium sp.
 KUVV 5534 *Agriotherium* sp.—Bennett 1979: text-fig. 2B; M₂. Tertiary, latest Miocene, Hemphillian; Lost Quarry, NW¹/₄, Sec. 1, T15S, R38W, Wallace County, Kansas; collected by T. R. Overton.
- KUVV 3603 *Agriotherium* sp.—Harrison 1983: text-fig. 11; left femur. Tertiary, late Miocene, Hemphillian, Ogallala Formation, Edson Quarry,

NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 25, T10S, R38W, Sherman County, Kansas; collected by KU field party of 1928.

Family Procyonidae Bonaparte 1850

Bassariscus Coues 1887

Bassariscus ogallalae Hibbard 1933

- KUVP 3749 *Bassariscus ogallalae* sp. nov.—Hibbard 1933: p. 285, pl. 26, figs. 1-3; holotype, right lower jaw bearing P₃-M₂, with alveoli of I₃, C, P₁-P₂; lacking angle, condyle and coronoid process.

Tertiary, late Miocene, Hemphillian, type locality of Ogallala Formation, Feldt Ranch, approximately 2 miles E. and 1 $\frac{1}{2}$ miles N. of Ogallala, Keith County, Nebraska; obtained by W. K. McNown and C. W. Hibbard 1931.

Bassariscus cf. *B. ogallalae* Hibbard 1933

- KUVP 12423 *Bassariscus* cf. *B. ogallalae* Hibbard—Bennett 1979: text-fig. 2A; P⁴. Erroneously listed as 12428 in caption to figure.

Tertiary, late Miocene, Found Quarry, NW $\frac{1}{4}$, Sec. 1, T15S, R38W, Wallace County, Kansas; collected by W. A. Clemens and party 1963.

Cynarctoides McGrew 1938

Cynarctoides arcidens (Barbour & Cook 1914)

- KUVP 9970 *Cynarctoides arcidens* (Barbour & Cook)—Galbreath 1956: text-figs. 1A-D; maxillary fragments, basicranial fragment, right and left lower jaw fragments.

Tertiary, middle Miocene, Hemingfordian, Pawnee Creek Formation, Martin Canyon local fauna; Sec. 22, T11N, R52W, Logan County, Colorado; collected by E. C. Galbreath 1953.

Cynarctus Matthew 1902

Cynarctus fortidens Hall & Dalquest 1962

- KUVP 11353 *Cynarctus fortidens* sp. nov.—Hall & Dalquest 1962: p. 137, text-fig. 1; holotype, partial maxillary with P³-M¹.

- KUVP 11354 *Cynarctus fortidens* sp. nov.—Hall & Dalquest 1962: text-fig. 2; right mandible with M₂.

- KUVP 11353-54 Tertiary, late Miocene, Clarendonian; Raymond Farr Ranch, Center NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 48, Blk C-3, E-L & RR Ry, Co., 6.5 miles N and 1 mile E of Clarendon, Texas, Bluff on west side of Turkey Creek, Dandey County, Texas; collected by W. W. Dahlquest 1960.

Procyon Storr 1780

Procyon rexroadensis Hibbard 1941A

- KUVP 5522 *Procyon rexroadensis* sp. nov.—Hibbard 1941A: p. 340, text-fig. 2; holotype, left M₁.

- KUVP 5523 *Procyon rexroadensis* Hibbard—Hibbard 1941B: pl. 2, fig. 3; right P₄.
Procyon rexroadensis Hibbard—Oelrich 1953: text-fig. 1A; right P₄. Erroneously listed as right P⁴ in caption to figure.

- KUVP 5522-23 Tertiary, Pliocene, Blancan, Rexroad Formation, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1938.

Family Mustelidae Swainson 1835

Brachyprotoma Brown 1908

Brachyprotoma breviramis Hibbard 1941A

- KUVP 4609 *Brachyprotoma breviramis* Hibbard 1941A: p. 341, text-fig. 3; holotype, left ramus of a young individual bearing C, P₂-P₄, and M₁-M₂.

Tertiary, Pliocene, Blancan, Rexroad Formation, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 22, T33S,

R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1937.

Brachypsalis Cope 1890

Brachypsalis modicus Matthew 1918

- KUVP 9903 *Brachypsalis modicus* Matthew—Galbreath 1955: text-figs. 1-11; pl. 1, fig. 1; pl. 2, figs. 2, 4, 6, 7, 9, 11, 12, 14, and 16. Left astragalus, left calcaneum, left entocuneiform, left metatarsal I-V; skull and jaw; humerus, right ilium, right humerus, right patella, right ulna, right radius, articulated left tarsals, metatarsals and phalanges, tibia and left fibula.

Tertiary, Miocene, Pawnee Creek Formation; SW $\frac{1}{4}$, Sec. 26, T12N, R55W, Logan County, Colorado; collected by E. C. Galbreath 1949.

Drassonax Galbreath 1953

Drassonax harpagops Galbreath 1953

(Type-Species)

- KUVP 121 *Drassonax harpagops* new genus and species—Galbreath 1953: p. 79, text-figs. 22A-B; holotype, left lower jaw with teeth.

Tertiary, Oligocene, Orellan, White River Formation, Chimney Canyon, Sec. 3, T11N, R54W, Logan County, Colorado.

Martes Frisch 1775

Martes foxi Hibbard & Riggs 1949

- KUVP 7001 *Martes foxi* sp. nov.—Hibbard and Riggs 1949: p. 839, text-fig. 2D; holotype, part of right ramus with M₂.

Tertiary, upper Pliocene, Blancan, Rexroad Formation; Keefe Canyon, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 34, T34S, R30W, Meade County, Kansas; collected by E. S. Riggs, C. Firner, and C. W. Hibbard 1943.

Martinogale Hall 1930

Martinogale alveodens Hall 1930

(Type-Species)

- KUVP 3473 *Martinogale alveodens* gen. et. sp. nov.—Hall 1930: p. 147, pl. 7, figs. E, H, I, and L; holotype, dentary fragment with P₃-M₁ and alveoli for C, P₂, M₂.
Martinogale alveodens Hall—Harrison 1983: text-fig. 12C; holotype, right ramal fragment bearing P₃ (broken) P₄-M₁.

Tertiary, late Miocene, Hemphillian, Ogallala Formation, 18 miles east of Goodland, Sherman County, Kansas; collected by H. T. Martin 1926.

- KUVP 3833 *Martinogale alveodens* Hall—Dunkle 1938: pl. 21, figs. 1-3; right ramus with C, P₄ and M₁.

Martinogale alveodens Hall—Harrison 1983: text-fig. 12D; right ramus bearing C₁, P₄-M₁.

Tertiary, late Miocene, Hemphillian, Ogallala Formation, SW $\frac{1}{4}$, Sec. 26, T10N, R33W, Sherman County, Kansas; collected by E. H. Taylor and D. H. Dunkle 1935.

- KUVP 3922 *Martinogale alveodens* Hall—Harrison 1983: text-fig. 12B; left ramal fragment bearing C₁, P₂, P₃.

Tertiary, late Miocene, Hemphillian, Ogallala Formation, Edson Quarry, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 26, T10S, R38W, Sherman County, Kansas; collected by KU field party of 1936.

Mephitis Cuvier 1800

Mephitis mesomelas varians (Gray 1869)

- KUVP 3946 *Mephitis mesomelas varians* (Gray)—Hibbard 1937c: pl. 1, fig. 1; part of right lower jaw bearing M₁.

Quaternary, Pleistocene; 1 mi. south, 2 $\frac{1}{2}$ mi. west of Catlin, Barton County, Kansas; collected by H. T. U. Smith 1936.

Mustela Linnaeus 1758*Mustela* sp.

KUVP 5750 *Mustela* sp.—Hibbard 1941C: pl. 1, fig. 3; left ramus bearing M_1 .
Quaternary, Pleistocene; east of State lake, Borchers Ranch, NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 21, T33S, R28W, Meade County, Kansas; collected by C. W. Hibbard and party 1939.

KUVP 6702 *Mustela* sp.—Hibbard 1944A: text-fig. 6b; right dP_4 .
Quaternary, Pleistocene, Meade Formation; Cudahy fauna; NE $\frac{1}{4}$, Sec. 26, T32S, R28W, Meade County, Kansas; collected by C. W. Hibbard and party 1942.

Plesiogulo Zdansky 1924*Plesiogulo marshalli* (Martin 1928)

KUVP 3464 *Brachypsalis marshalli* new species—Martin 1928: pl. 20, figs. 1-3; holotype.
Plesiogulo marshalli (Martin)—Harrison 1981: p. 6, figs. 2A-C; holotype, right mandibular ramus with P_3 , P_4 and M_1 .

KUVP 3465 *Plesiogulo marshalli* (Martin)—Harrison 1981: text-fig. 2D; right maxillary fragment with P^4 - M^1 .

KUVP 3467 *Plesiogulo marshalli* (Martin)—Harrison 1981: text-fig. 3C; right ramus with dP_3 - M_2 .

KUVP 3464-65, 3467 Tertiary, late Miocene, Hemphillian, Ogallala Formation, Edson Quarry, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 25, T10S, R38W, Sherman County, Kansas; collected by H. T. Martin and party 1924.

KUVP 12433 *Plesiogulo marshalli* (Martin)—Bennett 1979: text-fig. 1D; P^4 .
Plesiogulo marshalli (Martin)—Harrison 1981: text-fig. 10D; right P^4 .
Tertiary, latest Miocene, Hemphillian, Lost Quarry, NW $\frac{1}{4}$, Sec. 1, T15S, R38W, Wallace County, Kansas; collected by W. A. Clemens and party 1963.

Spilogale Gray 1865*Spilogale rexroadi* Hibbard 1941A

KUVP 4596 *Spilogale rexroadi* sp. nov.—Hibbard 1941A: p. 342, text-fig. 4; holotype, fragmentary ramus bearing P_4 - M_2 .
Tertiary, Pliocene, Blancan, Rexroad Formation, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1937.

Spilogale cf. *leucoparia* Merriam 1890

KUVP 6141 *Spilogale* cf. *leucoparia* Merriam—Hibbard 1941C: pl. 1, fig. 1; left ramus bearing P_4 - M_1 .

KUVP 6117 *Spilogale* cf. *leucoparia* Merriam—Hibbard 1941C: pl. 1, fig. 14; left ramus bearing M_1 - M_2 .

KUVP 6117, 6141 Quaternary, Pleistocene; east of State lake, Borchers Ranch, NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 21, T33S, R28W, Meade County, Kansas; collected by C. W. Hibbard 1938.

Taxidea Waterhouse 1839*Taxidea taxus* (Schreber 1778)

KUVP 5204 *Taxidea taxus* (Schreber)—Hibbard 1940A: pl. 2, fig. 11; left lower jaw with incisor and P_3 - M_3 .
Quaternary, Pleistocene; Jones Ranch, Sec. 8, T35S, R27W, Meade County, Kansas; collected by C. W. Hibbard and party 1939.

KUVP 4605 *Taxidea taxus* (Schreber)—Hibbard 1941B: pl. 2, fig. 8; right ramus bearing C, P_2 - M_1 .

Tertiary, Pliocene, Blancan, Rexroad Formation, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1937.

Trigonictis Hibbard 1941A

Trigonictis kansasensis Hibbard 1941A

(Type-Species)

- KUVP 4604 *Trigonictis kansasensis* n. gen. and sp.—Hibbard 1941A: p. 344, text-figs. 5A-B; holotype, right ramus bearing I₃, CP₂-P₄, and M₁, left maxillary bearing P²-P⁴ and M¹, not relocated.
Tertiary, Pliocene, Blancan, Rexroad Formation; NE¹/₄, SW¹/₄, Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1937.

Superfamily Feloidea Simpson 1931

Family Felidae Gray 1821

Adelphailurus Hibbard 1934

Adelphailurus kansensis Hibbard 1934

(Type-Species)

- KUVP 3462 *Adelphailurus kansensis* sp. nov.—Hibbard 1934: pl. 5, figs. 1-2; pl. 6, fig. 3; holotype, anterior portion of skull consisting of premaxillaries, maxillaries, most of palatines, and complete dentition with the exception of right molar.
Adelphailurus kansensis Hibbard—Harrison 1983: text-fig. 13; right and left maxillae.
Tertiary, late Miocene, Hemphillian, Ogallala Formation, Edson Beds, Sec. 25, T10S, R38W, Sherman County, Kansas; collected by H. T. Martin and party 1922.
- KUVP 43095 *Adelphailurus kansensis* Hibbard—Bennett 1979: text-fig. 1B; right dentary.
Tertiary, late Miocene, Hemphillian; Found Quarry, NW¹/₄, Sec. 1, T15S, R38W, Wallace County, Kansas.

Dinictis Leidy 1854

Dinictis paucidens Riggs 1896

- KUVP 2582 *Dinictis paucidens* sp. nov.—Riggs 1896: p. 239; no fig. number given; holotype, skull and jaw.
Tertiary, Oligocene, White River Formation, Old Thompson's Creek, Converse County, Wyoming.

Dinictis sp.

- KUVP ? *Dinictis* sp.—Williston 1895: p. 173; no fig. number given; left upper sectorial and molars, not relocated.
Tertiary, upper Oligocene, Whitneyan, Brule Formation, *Protoceras* Beds; southwestern South Dakota.

Felis Linnaeus 1758

Felis cf. *atrox* Leidy 1853

- KUVP 4646 *Felis* cf. *atrox* Leidy—Hibbard 1939C: pl. 2, figs. 6-6a; left femur.
Quaternary, Pleistocene; Grolz pasture, 7¹/₄ miles NE of Newton, Harvey County, Kansas; collected by K. Scott 1938.

Felis cf. *imperialis* Leidy 1853

- KUVP 4629 *Felis* cf. *imperialis* Leidy—Hibbard 1939C: pl. 1, fig. 1; fifth left metacarpal.
KUVP 4625 *Felis* cf. *imperialis* Leidy—Hibbard 1939C: pl. 1, fig. 3; left M₁.
KUVP 4625, 4629 Quaternary, Pleistocene; Cragin Quarry, Big Spring Ranch, SW¹/₄, Sec. 17, T32S, R28W, Meade County, Kansas; collected by C. W. Hibbard and party 1937.

Felis lacustris Gazin 1933

- KUVP 4665 *Felis lacustris* Gazin—Hibbard 1941B: pl. 1, fig. 3; right ramus lacking incisor and canine.

Tertiary, Pliocene, Blancan, Rexroad Formation, NE¹/₄, NW¹/₄, Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1938.

Felis cf. *oregonensis* (Rafinesque 1912)

KUVP 4626 *Felis* cf. *oregonensis* (Rafinesque)—Hibbard 1939C: pl. 1, fig. 5; right M₁. Quaternary, Pleistocene; Cragin Quarry, Big Spring Ranch, SW¹/₄, Sec. 17, T32S, R28W, Meade County, Kansas; collected by C. W. Hibbard and party 1937.

Felis trumani Orr 1969

KUVP 26280 *Felis trumani* Orr—Martin, Gilbert and Adams 1977: text-fig. 1D; left radius and ulna, not relocated. Quaternary, Pleistocene; Natural Trap Cave, Sec. 28, T58N, R49W, Bighorn County, Wyoming; collected by L. D. Martin and party 1978.

Felis sp.

KUVP 3759 *Felis* sp.—Hesse 1935C: text-figs. 2-4; metatarsal. Tertiary, upper Pliocene, Hemphillian, Ogallala Formation; Feldt Ranch, SE¹/₄, Sec. 33, T14N, R38W, Keith County, Nebraska; collected by C. W. Hibbard and party 1930.

Felis? sp.

KUVP 6472 *Felis?* sp.—Hibbard 1942; pl. 1, fig. 7; right M₁. Erroneously listed in caption to figure as M₃. Quaternary, Pleistocene, Meade Formation, Borchers Ranch, NW¹/₄, NE¹/₄, Sec. 21, T33S, R27W, Meade County, Kansas; collected by C. W. Hibbard and party 1941.

Hoplophoneus Cope 1874

Hoplophoneus occidentalis (Leidy 1869)

KUVP 2874 *Hoplophoneus occidentalis* (Leidy)—Riggs 1896: pl. 1; skeleton. *Dinotomius atrox* Williston—Williston 1895: pl. 18; holotype, skull and jaws. Tertiary, Oligocene, Orellan, White River Formation; South Dakota; collected by S. W. Williston 1894.

Machairodus Kaup 1833

Machairodus crassidens Cragin 1892

KUVP ? *Machairodus crassidens* Cragin—Williston 1895: pl. 19, figs. 1, 2, 3, and 4; left humerus, left radius and metatarsal, not relocated. Loup Fork, Phillips County, Kansas.

Machairodus sp.

KUVP 3917 *Machairodus* sp.—Hibbard 1937D: pl. 2, fig. 13; left P₄. Tertiary, Pliocene, Blancan, Rexroad Formation, NE¹/₄, NW¹/₄, Sec. 22, T33S, R29W, Meade County, Kansas; collected by K.U. field party 1936.

Panthera Oken 1816

Panthera atrox (Leidy 1853)

KUVP 31417 *Panthera atrox* (Leidy)—Martin and Gilbert 1978: text-figs. 1A, 3, and 4; premaxilla, skull and mandible, and skull and mandible with incisors and canines.

KUVP 33057 *Panthera atrox* (Leidy)—Martin and Gilbert 1978: figs. 1B-C and fig. 2; distal end of femur, proximal end of tibia, left femur, and left tibia.

KUVP 31417, 33057 Quaternary, Pleistocene, Natural Trap Cave, Sec. 28, T58N, R49W, Bighorn County, Wyoming; collected by L. D. Martin and party 1978.

Pogonodon Cope 1880*Pogonodon?* sp.

- KUVP 2847 *Pogonodon?* sp.—Williston 1895: p. 173; no fig. number given; left mandible. Tertiary, upper Oligocene, Whitneyan, Brule Formation, *Protoceras* Beds; southwestern South Dakota.

Pratifelis Hibbard 1934*Pratifelis martini* Hibbard 1934

(Type-Species)

- KUVP 3156 *Pratifelis martini* sp. nov.—Hibbard 1934: pl. 6, figs. 4-5; holotype, left mandibular ramus bearing P_3 - M_1 and alveolus of C. Tertiary, late Miocene, Hemphillian, Ogallala Formation, Lost Quarry, NW $\frac{1}{4}$, Sec. 1, T15S, R38W, Wallace County, Kansas; collected by H. T. Martin 1911.
- KUVP 3864 *Pratifelis martini* Hibbard—Bennett 1979: text-fig. 1C; right dentary. Tertiary, late Miocene, Hemphillian; NW $\frac{1}{4}$, Sec. 1, T15S, R38W, Wallace County, Kansas; collected by H. T. Martin 1911.

Order Condylarthra Cope 1881

Family Hyopsodontidae Lydekker 1889

Deltatherium Cope 1880*Deltatherium fundaminus* Cope 1881

- KUVP 7792 *Deltatherium fundaminus* Cope—Wilson 1955: text-figs. 3-4; mandible. Tertiary, Paleocene, Torrejonian, Nacimiento Formation, Kutz Canyon, San Juan Basin, New Mexico; collected by R. W. Wilson 1948.

Ellipsodon Scott 1892*Ellipsodon grangeri* Wilson 1956C

- KUVP 7833 *Ellipsodon grangeri* sp. nov.—Wilson 1956C: p. 107, text-fig. 2; holotype, right mandible bearing RM_1 - M_3 .
- KUVP 9618 *Ellipsodon grangeri* sp. nov.—Wilson 1956C: text-fig. 2; left jaw with P_4 and roots of more anterior teeth.
- KUVP 9616 *Ellipsodon grangeri* sp. nov.—Wilson 1956C: text-fig. 3; left jaw with root of C, P_2 - P_3 , and incomplete M_1 , M_2 - M_3 .
- KUVP 9619 *Ellipsodon grangeri* sp. nov.—Wilson 1956C: text-fig. 4; left M_2 .
- KUVP 7833, 9616, 9618, 9619 Tertiary, Paleocene, Torrejonian; Nacimiento Formation, Kutz Canyon, San Juan County, New Mexico; 7833 collected by R. W. Wilson, 1948; 9616, 9618, 9619 collected by R. W. Wilson and party 1950.

Promioclænus Trouessart 1904*Promioclænus acolytus* (Cope 1881)

- KUVP 7836 *Promioclænus acolytus* (Cope)—Wilson 1956C: text-fig. 5; left M_2
- KUVP 9626 *Promioclænus acolytus* (Cope)—Wilson 1956C: text-fig. 6; left jaw with P_3 - M_3 .
- KUVP 7836, 9626 Tertiary, Paleocene, Torrejonian; Nacimiento Formation, Kutz Canyon, San Juan County, New Mexico; 7836 collected by R. W. Wilson 1948; 9626 collected by R. W. Wilson and R. Rinker 1950.

Promioclænus wilsoni Van Valen 1978

- KUVP 9446 *Promioclænus wilsoni* sp. nov.—Van Valen 1978: p. 59, pl. 4, fig. 8; holotype, P^3 - M^2 .
- Tertiary, Paleocene, Puercan, Ojo Alamo Formation, *Taeniolabis* zone, Barrel Spring Arroyo, Puerco, New Mexico; collected by R. W. Wilson 1949.

Order Notoungulata Roth 1903

Suborder Typotheria Zittel 1892
 Family Interatheriidae Ameghino 1887
Protypotherium Ameghino 1887
Protypotherium martini Lane 1927

- KUVP 630 *Protypotherium martini* sp. nov.—Lane 1927: p. 313, pl. 26 A-B; holotype, left premaxilla and maxilla with P²-M¹ and alveoli for I, C, and P¹. Miocene, Santa Cruz beds near Rio Gallegos, Patagonia; collected by H. T. Martin 1903.

Order Proboscidea Illiger 1811
 Suborder Elephantoidea Osborn 1921
 Family Gomphotheriidae Cabrera 1929
Amebelodon Barbour 1927
Amebelodon fricki Barbour 1927

- KUVP 3853 *Amebelodon fricki* Barbour—Barbour and Hibbard 1941: text-fig. 15; anterior tip of tusk.
 KUVP 3854 *Amebelodon fricki* Barbour—Barbour and Hibbard 1941: text-figs. 15-16; anterior tip of tusk; fig. 17; posterior end of tusk.
 KUVP 3852 *Amebelodon fricki* Barbour—Barbour and Hibbard 1941: text-figs. 18-19; upper molars.
 KUVP 3852-54 Tertiary, late Miocene, Hemphillian, Ogallala Formation, Rhino Hill Quarry, SE¹/₄, NE¹/₄, Sec. 11, T11S, R38W, Wallace County, Kansas; collected by K.U. field party 1928.

Gomphotherium Burmeister 1837
Tetracaulodon (Tetrabelodon) shepardii Cope 1884

- KUVP 2875 *Tetracaulodon (Tetrabelodon) shepardii* Cope—Wagner 1899: pl. 14; left ramus of mandible. Tertiary, late Miocene, Hemphillian, Ogallala Formation, Long Island Quarry, SE¹/₄, NE¹/₄, Sec. 5, T1S, R19W, Phillips County, Kansas; collected by KU field party 1894.
 KUVP 395 *Trilophodon* sp.—Wing 1930: pl. 11; tooth. Tertiary, late Miocene?, Hemphillian?, Bellville Formation, McCullough sandpit, Sec. 16, T2S, R3W, Republic County, Kansas; donated to KUMVP by Mr. McCullough 1929?

Family Mammutidae (Mastodontidae) Cabrera 1929
Mammut Blumenbach 1799
Mammut (Mastodon) americanus (Kerr 1791)

- KUVP 5898 *Mammut americanus* (Kerr)—Martin, Whetstone, Chorn and Frailey 1979: text-fig. 1; upper molar; not relocated.
 KUVP 5067 *Mastodon americanus* (Kerr)—Hibbard 1940b: pl. 2, fig. 2; left M¹-M².
 KUVP 5067, 5898 Quaternary, Pleistocene, Kansas River, North Topeka, Shawnee County, Kansas; collected by H. W. Richardson 1939.

Mammut (Pliomastodon) adamsi Hibbard 1944B

- KUVP 6788 *Pliomastodon adamsi* sp. nov.—Hibbard 1944B: p. 110, pl. 11; holotype, maxillaries containing right and left M²-M³. Tertiary, late Miocene, Hemphillian, Ogallala Formation, SE¹/₄, Sec. 25, T34S, R31W, Seward County, Kansas; collected by T. McLaughlin and C. W. Hibbard 1943.
 KUVP 6983 *Mammut (Pliomastodon) adamsi* (Hibbard)—Hibbard and Riggs 1949: pl. 4, fig. 4; left maxilla fragment with M¹-M².

Tertiary, upper Pliocene, Blancan, Rexroad Formation, Keefe Canyon, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 34, T34S, R30W, Meade County, Kansas; collected by E. S. Riggs and party 1944.

Mastodontidae Girard 1852

KUVP 3758 Mastodontidae—Hesse 1935A: text-fig. 1: right maxillary; text-fig. 2: upper milk incisor.

Mastodontidae—Hesse 1935C: pl. 22, figs. 1-2; right maxillary fragment, upper milk incisor.

Tertiary, late Miocene, Hemphillian, Ogallala Formation, Feldt Ranch, SE $\frac{1}{4}$, Sec. 33, T14N, R38W, Keith County, Nebraska; collected by C. W. Hibbard and party 1931.

Order Sirenia Illiger 1811

KUVP 43130 *Sirenian* gen. et. sp. indet.—Whetstone and Martin 1978: text-figs. 1A, B, and C; right mandible.

KUVP 43131 *Sirenian* gen. et. sp. indet.—Whetstone and Martin 1978: text-figs. 2-3; ribs.

KUVP 43130-31 Oligocene, Bucatunna Formation; Tombigbee River, 22 miles (3.5 km) NE of St. Stephens, Alabama; collected by D. E. Jones and party (University of Alabama) 1973.

Order Perissodactyla Owen 1848

Superfamily Equoidea Hay 1902

Family Equidae Gray 1821

Astrohippus Stirton 1940

Astrohippus ansae (Matthew & Stirton 1930)

KUVP 12437 *Astrohippus ansae* (Matthew & Stirton)—Bennett 1979: text-figs. 5D-E; M₂.

KUVP 12435 *Astrohippus ansae* (Matthew & Stirton)—Bennett 1979: text-fig. 6A; metacarpal.

KUVP 12435, 12437 Tertiary, late Miocene, Hemphillian; Lost Quarry along the south fork of the Smoky Hill River, NW $\frac{1}{4}$, Sec. 1, T15S, R38W, Wallace County, Kansas; collected by H. T. Martin and party 1924.

Calippus Matthew 1926

Calippus sp.

KUVP 3790 *Calippus* sp.—Hesse 1935C: pl. 18, fig. 2; two upper cheek teeth.

Tertiary, late Miocene, Hemphillian, Ogallala Formation; Feldt Ranch, SE $\frac{1}{4}$, Sec. 33, T14N, R38W, Keith Co., Nebraska; collected by C. W. Hibbard and party 1931.

KUVP 3736 *Calippus* sp.—Hesse 1936: text-fig. 8; upper tooth.

Tertiary, Pliocene, Beaver County, Oklahoma; collected by C. F. McNoun and C. W. Hibbard 1931.

Dinohippus Quinn 1955

Dinohippus interpolatus (Cope 1886)

KUVP 5536 *Dinohippus interpolatus* (Cope)—Bennett 1979: text-fig. 5B; associated P⁴ and M¹.

KUVP 43096 *Dinohippus interpolatus* (Cope)—Bennett 1979: text-fig. 5B; P².

KUVP 43107 *Dinohippus interpolatus* (Cope)—Bennett 1979: text-fig. 5F; M₂.

KUVP 3836 *Dinohippus interpolatus* (Cope)—Bennett 1979: text-fig. 6B; metacarpal.

KUVP 3837 *Dinohippus interpolatus* (Cope)—Bennett 1979: text-fig. 6C; metatarsal.

KUVP 3836-37, 5536, 43096, 43107 Tertiary, late Miocene, Hemphillian; Lost Quarry along the south fork of the Smoky Hill River, NW $\frac{1}{4}$, Sec. 1, T14S, R38W, Wallace County, Kansas; collected by H. T. Martin and party 1924.

Equus Linnaeus 1758*Equus complicatus* Leidy 1858

- KUVP 394 *Equus complicatus* Leidy—Wing 1930: pl. 10; lower jaw bone. Quaternary, Pleistocene, Chris Weaver sandpit, NW¹/₄, Sec. 32, T7S, R5W, Cloud County, Kansas; collected by L. Teasley 1929?

Equus francisi Hay 1915

- KUVP 4627 *Equus francisi* Hay—Hibbard 1939C: pl. 3, figs. 7-8; right and left lower jaws each bearing P₂-M₃. Quaternary, Pleistocene; Cragin Quarry, Big Spring Ranch, Meade County, Kansas; collected by C. W. Hibbard 1937.

Equus laurentius Hay 1913

- KUVP 347 *Equus laurentius*—Hay 1913: pls. 22-23; figs. 25-29. *Equus laurentius*—Hay 1914: pls. 17-18, figs. 80-82; holotype, skull and jaws. Quaternary, Pleistocene, northern side of Kaw River, near North Lawrence, Douglas County, Kansas; collected by H. T. Martin 1910.

Equus niobrarensis Hay 1913

- KUVP 4796 *Equus niobrarensis* Hay—Hibbard 1939C: pl. 4, fig. 12; left P₂. Quaternary, Pleistocene; 5 miles south, 5 miles east of Meade, Meade County, Kansas; collected by C. W. Hibbard 1937.

- KUVP 400 *Equus niobrarensis* Hay—Hibbard 1939C: pl. 4, fig. 15; left P². Quaternary, Pleistocene, Cragin Quarry, Big Spring Ranch, Meade County, Kansas; collected by C. W. Hibbard 1939.

- KUVP 2821 *Equus niobrarensis* Hay—Hibbard 1939C: pl. 4, fig. 16; fig. 18; right P².

- KUVP 399 *Equus niobrarensis* Hay—Hibbard 1939C: pl. 4, fig. 17; right P₂. Quaternary, Pleistocene; Sternberg Bone Bed, Lane County, Kansas; collected by H. T. Martin 1893.

Equus cf. *niobrarensis* Hay 1913

- KUVP 2821a *Equus* cf. *niobrarensis* Hay—Hibbard 1939C: pl. 4, fig. 18; right P₂. Quaternary, Pleistocene; Hay Springs, Nebraska; collected by H. T. Martin.

- KUVP 6287 *Equus* cf. *niobrarensis* Hay—Hibbard 1943B: pl. 19, fig. 5; fragmentary upper molar.

- Quaternary, Pleistocene; Rezabeck fauna, SE¹/₄, Sec. 20, T13S, R10W, Lincoln County, Kansas; collected by Mr. Rezabeck 1941.

- KUVP 3967 *Equus* cf. *niobrarensis* Hay—Hibbard 1944A: text-fig. 15A; LM¹; text-fig. 15B; LP₂.

Quaternary, Pleistocene, Meade Formation; volcanic ash pit 8 miles west of Fowler, Meade County, Kansas; collected by an unknown collector 1936.

Equus scotti Gidley 1900

- KUVP 6878 *Equus scotti* Gidley—Hibbard 1952: text-fig. 14B; left maxillary with P²-M². Quaternary, Pleistocene, Emma Creek Formation; Kentuck Fauna, SE¹/₄, NE¹/₄, Sec. 16, T18S, R4W, McPherson County, Kansas; collected by C. T. Williams 1943.

- KUVP 8498 *Equus scotti* Gidley—Hibbard 1953A: text-figs. 3A-B; left metatarsal and right P³-M³.

Quaternary, Pleistocene; Cimarron River gravel pit, 2 miles east of Arkalon and 1/2 mile south of Cimarron River, Seward County, Kansas; collected by C. W. Hibbard 1942.

Equus sp.

- KUVP 4642 *Equus* sp.—Hibbard 1939C: pl. 4, fig. 1; lower molar.

- Quaternary, Pleistocene; 7½ miles NE of Newton, Gatz Pasture, Harvey County, Kansas; donated by Kenneth Scott 1938.
- KUVP 4790 *Equus* sp.—Hibbard 1939C: pl. 4, fig. 14; right P²-M³.
Quaternary, Pleistocene; 5 miles south and 5 miles east of Meade, Meade County, Kansas; collected by C. W. Hibbard and party 1937.
- KUVP 3961 *Equus* sp.—Hibbard 1944A: text-fig. 2C; right ramus with P₄-M₂.
KUVP 6521 *Equus* sp.—Hibbard 1944A: text-fig. 2E; left molar or premolar.
- KUVP 3961, 6521 Quaternary, Pleistocene, Meade Formation; Sec. 12 and 13, T30S, R23W, Clark County, Kansas; collected by C. W. Hibbard and party 1942.
- Equus (Hippotigris) simplicidens* (Cope 1880)
- KUVP 6819* *Equus (Hippotigris) simplicidens* (Cope)—Hibbard and Riggs 1949: text-fig. 2E; right upper molar.
- KUVP 7045 *Equus (Hippotigris) simplicidens* (Cope)—Hibbard and Riggs 1949: text-fig. 2I; right lower molar.
- KUVP 7044 *Equus (Hippotigris) simplicidens* (Cope)—Hibbard and Riggs 1949: text-fig. 2J; right lower molar.
- KUVP 7045a *Equus (Hippotigris) simplicidens* (Cope)—Hibbard and Riggs 1949: text-figs. 2K-R; lower molar, not relocated.
- KUVP 6879, 7044-45, 7045a Tertiary, Pliocene, Blancan; Rexroad Formation, Keefe Canyon, SW¼, Sec. 34, T34S, R30W, Meade County, Kansas; collected by E. S. Riggs and party 1943.
- Equus (Plesippus) cf. cumminsii* Cope 1893
- KUVP 6021 *Equus (Plesippus) cf. cumminsii* Cope—Hibbard 1944A: text-fig. 2A; left ramus with P₄-M₃.
- KUVP 6496 *Equus (Plesippus) cf. cumminsii* Cope—Hibbard 1944A: text-fig. 2D; LM³.
KUVP 6021, 6496 Quaternary, Pleistocene, Meade Formation; Arkalon Gravel Pit, SE½, SE¼, Sec. 21, T35S, R32W, Seward County, Kansas; collected by C. W. Hibbard and party 1941. 6021 collected by L. Larrabee 1940.
- Equus (Plesippus) simplicidens* Cope 1892
- KUVP 3963 *Equus (Plesippus) simplicidens* Cope—Hibbard 1944A: text-fig. 2B; right ramus with DP₂-DP₄.
Tertiary, Pliocene, Rexroad Formation; Sec. 13, T30S, R23W, Clark County, Kansas; collected by C. W. Hibbard and party 1936.
- Equus (Plesippus) cf. simplicidens* Cope 1892
- KUVP 3951 *Equus (Plesippus) cf. simplicidens* Cope—Hibbard 1937C: pl. 2, fig. 10; right P².
- KUVP 3950 *Equus (Plesippus) cf. simplicidens* Cope—Hibbard 1937C: pl. 2, fig. 12; left M¹.
- KUVP 3952 *Equus (Plesippus) cf. simplicidens* Cope—Hibbard 1937C: pl. 5, fig. 22A; right M₁.
- KUVP 3955 *Equus (Plesippus) cf. simplicidens* Cope—Hibbard 1937C: pl. 5, fig. 22B; right P₃.
- KUVP 3954 *Equus (Plesippus) cf. simplicidens* Cope—Hibbard 1937C: pl. 5, fig. 22C; left M³.
- KUVP 3950-52, 3954-55 Tertiary, Pliocene, Blancan, Rexroad Formation, NE¼, NW¼, Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1936.
- KUVP 4623 *Equus (Plesippus) cf. simplicidens* Cope—Hibbard 1941B: pl. 4, fig. 4; right P₂-M₃ and left P₂-M₃.

* 6819 preoccupied; has been changed to 6879.

Tertiary, Pliocene, Blancan, Rexroad Formation, NE¹/₄, SW¹/₄, Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1937.

Equus (Plesippus) sp.

KUVP 6520 *Equus (Plesippus) sp.*—Hibbard 1944A: text-fig. 2F; RM³.

Tertiary, Pliocene, Rexroad Formation; Sec. 13, T30S, R23W, Clark County, Kansas; collected by C. W. Hibbard and party 1936.

Hipparion Christol 1832

Hipparion occidentale (Leidy 1856)

KUVP 3792 *Hipparion occidentale* (Leidy)—Hesse 1935C: pl. 17, fig. 1; three upper cheek teeth.

KUVP 3744 *Hipparion occidentale* (Leidy)—Hesse 1935C: pl. 17, fig. 2; left lower cheek teeth.

KUVP 3791 *Hipparion occidentale* (Leidy)—Hesse 1935C: pl. 18, fig. 1; three lower cheek teeth.

KUVP 3744, 3791-92 Tertiary, late Miocene, Ogallala Formation, Feldt Ranch, SE¹/₄, Sec. 33, T14N, R38W, Keith County, Nebraska; collected by C. W. Hibbard and party 1930.

Nannippus Matthew 1926

Nannippus lenticulare (Cope 1893)

KUVP 43110 *Nannippus lenticulare* (Cope)—Bennett 1979: text-fig. 5A; P¹.

KUVP 43111 *Nannippus lenticulare* (Cope)—Bennett 1979: text-fig. 5C; M₂.

KUVP 3840 *Nannippus lenticulare* (Cope)—Bennett 1979: text-fig. 6D; metatarsal.

KUVP 3840, 43110-111 Tertiary, late Miocene, Hemphillian, Lost Quarry, NW¹/₄, Sec. 1, T15S, R38W, Wallace County, Kansas; collected by H. T. Martin and party 1924.

Nannippus phlegon (Hay 1899)

KUVP 3966 *Nannippus phlegon* (Hay)—Hibbard 1944A: text-fig. 2G; RP₂.

KUVP 6517 *Nannippus phlegon* (Hay)—Hibbard 1944A: text-fig. 2H-I; left lower premolar or molar.

KUVP 3966, 6517 Tertiary, Pliocene (redeposited into the Pleistocene age Meade Formation); Sec. 18, T30S, R22W, Clark County, Kansas; KUVP 3966 collected by C. W. Hibbard and party 1936; KUVP 6517 collected by C. W. Hibbard and party 1942.

Nannippus cf. phlegon (Hay 1899)

KUVP 3956A-E *Nannippus cf. phlegon* (Hay)—Hibbard 1937D: pl. 4, figs. 21A-E; right M₁, right upper molar, right upper molar, right upper molar, right P₂. Tertiary, Pliocene, Blancan, Rexroad Formation, NE¹/₄, NW¹/₄, Sec. 22, T33S, R29W; Meade County, Kansas; collected by C. W. Hibbard and party 1936.

Nannippus sp.

KUVP 6889 *Nannippus sp.*—Hibbard and Phillis 1945: text-fig. 3; an almost complete upper molar.

Tertiary, Lower Pliocene, northwest corner of Sec. 22, T11S, R22W, Trego County, Kansas; collected by L. F. Phillis (donor to KUVMP) 1941.

KUVP 7039 *Nannippus sp.*—Hibbard 1952: text-fig. 2; right lower molar.

KUVP 6870 *Nannippus sp.*—Hibbard 1952: text-fig. 14C; metapodial.

KUVP 6870, 7039 Tertiary, Pliocene, Delmore Formation, NW¹/₄, Sec. 26, T21S, R2W, McPherson County, Kansas; collected by C. W. Hibbard 1943.

Neohipparion Gidley 1903

Neohipparion cf. coloradense Osborn 1918

- KUVP 3738 *Neohipparion* cf. *coloradense* Osborn—Hesse 1936: text-fig. 6; two upper teeth.
- KUVP 3737 *Neohipparion* cf. *coloradense* Osborn—Hesse 1936: text-fig. 7; left lower jaw with P₂-M₃.
- KUVP 3737-38 Tertiary, Pliocene, Beaver Quarry, Juett Ranch, Beaver County, Oklahoma; collected by C. F. McNoun and C. W. Hibbard 1931.
- Neohipparion* cf. *eurystyle* (Cope 1893)
- KUVP 6917a *Neohipparion* cf. *eurystyle* (Cope)—Hibbard 1952: text-fig. 1A; left M₃.
- KUVP 6918 *Neohipparion* cf. *eurystyle* (Cope)—Hibbard 1952: text-fig. 1B; right lower molar.
- KUVP 6917 *Neohipparion* cf. *eurystyle* (Cope)—Hibbard 1952B: text-fig. 1C; right M₃.
- KUVP 6915 *Neohipparion* cf. *eurystyle* (Cope)—Hibbard 1952: text-fig. 1D; left lower molar.
- KUVP 6915, 6917-17a, 6918 Tertiary, Middle Pliocene, Delmore Formation, W¹/₂, Sec. 31, T18S, R1W, McPherson County, Kansas; collected by C. W. Hibbard 1944.
- Pliohippus* Marsh 1874
- Pliohippus* sp.
- KUVP 6914 *Pliohippus* sp.—Hibbard 1952: text-fig. 3; left upper molar.
- Tertiary, Middle Pliocene; bank of a pit silo in the SE¹/₄, Sec. 9, T19S, R1W, McPherson County, Kansas; collected by C. T. Williams 1944.
- Superfamily Brontotherioidea Hay 1902
- Family Brontotheriidae Marsh 1873
- Palaeosyops* Leidy 1870
- Palaeosyops paludos confluentes* Lane 1932
- KUVP 4321 *Palaeosyops paludos confluentes* new subspecies—Lane 1932: p. 319; holotype, complete skull.
- Tertiary, middle Eocene, Bridgerian; Bridger Formation, Horizon C⁵-D⁴, 1 mile NE of Cedar Creek mouth, SW Wyoming; collected by H. H. Lane 1927.
- Suborder Ceratomorpha Wood 1937
- Superfamily Tapiroidea Gill 1872
- Family Tapiridae Burnett 1830
- Tapirus* Brisson 1752
- Tapirus* cf. *excelsus* Simpson 1945
- KUVP 15543 *Tapirus* cf. *T. excelsus* Simpson—Parmalee, Oesch, and Guilday 1969: text-fig. 11; partial skull and jaws; text-figs. 12A-Q; scapulae, humeri, radius, ulna, lumbar vertebrae, atlas, axis, cervical vertebrae, patellae, calcaneum, phalanges, metacarpals, metacarpal III, metacarpal III, trapezoid, cuboid, astragalus.
- Sub-Recent, Crankshaft Cave, Missouri; collected by P. W. Parmalee and party 1962-1966.
- Family Rhinocerotidae Owen 1845
- Brachypotherium* Roger 1904
- Brachypotherium americanus* Yatkola & Tanner 1979
- KUVP 9857 *Brachypotherium americanus* new sp. Yatkola and Tanner 1979: p. 4, text-figs. 1-3; holotype, skull.
- Tertiary, Miocene, Arikareean, Pawnee Creek Formation; Martin Canyon, Quarry A, NE¹/₄, Sec. 27, T11N, R53W, Logan County, Colorado; collected by E. C. Galbreath and R. W. Wilson 1952.

Teleoceras Hatcher 1894*Teleoceras* cf. *fossiger* (Cope 1878)

KUVP 6877 *Teleoceras* cf. *fossiger* (Cope)—Hibbard 1952: text-fig. 4; tibia-fibula. Tertiary, Middle Pliocene, Delmore Formation; northwest corner of NE¹/₄, Sec. 34, T18S, R2W, McPherson County, Kansas; collected by C. W. Hibbard 1943.

KUVP 3752 *Teleoceras fossiger* (Cope)—Hesse 1935C: pl. 16; lower jaws. Tertiary, late Miocene, Ogallala Formation; Feldt Ranch, SE¹/₄, Sec. 33, T14N, R38W, Keith County, Nebraska; collected by C. W. Hibbard and party 1930.

KUVP ? *Aceratherium fossiger* Cope—Williston 1894A: pl. 8; complete skeleton. Tertiary, Upper Pliocene; Loup Fork Formation; Sherman County, Kansas.

Paraphelops—Lane 1927A*Paraphelops rooksensis*—Lane 1927A

(Type-species)

KUVP 2913 *Paraphelops rooksensis* gen. and sp. nov.—Lane 1927A: p. 300, pls. 22, 23, 24 and 25; holotype, complete mandible. Tertiary, Miocene, Bastovian; gravel pit from Republican River deposits near Plainville, Rooks County, Kansas; collected by R. Dial 1925.

Order Artiodactyla Owen 1848

Suborder Suiformes Jaekel 1911

Infraorder Palaeodonta Matthew 1929

Superfamily Dichobunoidea Weber 1904

Family Leptochoeridae Marsh 1894

Leptochoerus Leidy 1856*Leptochoerus emilyae* Edwards 1976

KUVP 9226 *Leptochoerus emilyae* sp. nov.—Edwards 1976: p. 108, text-fig. 3L; holotype, maxillary with P²-M³.

Leptochoerus sp.—Macdonald 1955: pl. 46, fig. 3 and p. 446, text-fig. 3; left maxillary with P²-M³.

Tertiary, Middle Oligocene, Orellan, White River Formation, Cedar Creek Member, W¹/₂, Sec. 22, T1N, R52W, Logan County, Colorado; collected by R. R. Camp 1946.

Infraorder Suina Gray 1868

Superfamily Suoidea Cope 1887

Family Tayassuidae Palmer 1897

Platygonus Le Conte 1848*Platygonus bicalcaratus* Cope 1893

KUVP 7274 *Platygonus bicalcaratus* Cope—Hibbard & Riggs 1949: text-fig. 2A; partial skull.

KUVP 7696 *Platygonus bicalcaratus* Cope—Hibbard & Riggs 1949: text-fig. 2F; right M³.

KUVP 7697 *Platygonus bicalcaratus* Cope—Hibbard & Riggs 1949: text-fig. 2G; left M³.

KUVP 6972 *Platygonus bicalcaratus* Cope—Hibbard & Riggs 1949: text-fig. 2H; left M³.

KUVP 7273 *Platygonus bicalcaratus* Cope—Hibbard & Riggs 1949: text-fig. 3A; rami with dentition.

KUVP 6972, 7273-74, 7696-97 Tertiary, Upper Pliocene, Rexroad Formation, Keefe Canyon, SW¹/₄, SW¹/₄, Sec. 34, T34S, R30W, Meade County, Kansas; collected by C. W. Hibbard and party 1944.

Platygonus leptorhinus Williston 1894B

KUVP 458 *Platygonus leptorhinus* sp. nov.—Williston 1894B: pl. 8.

- Platygonus leptorhinus* Williston—Lane 1948: text-fig. 2; holotype, complete female skeleton.
- KUVP 3108 *Platygonus leptorhinus* sp. nov.—Williston 1894B: page 31, skull of adult male; page 32, deciduous dentition; page 36, male and female sacrum; page 38, left forefoot; page 39, right hind foot; pl. 7, fig. 1; skull of adult male; pl. 7, fig. 2; skull of adult female.
- KUVP 458, 3108 Tertiary, Pliocene, Loup Fork Formation, near Goodland, Kansas; collected by J. T. Halstead 1893.
- Platygonus* sp.
- KUVP 3919 *Platygonus* sp.—Hibbard 1937D: pl. 2, figs. 14A-B; upper premolars. Tertiary, Pliocene, Blancan, Rexroad Formation, NE¹/₄, NW¹/₄, Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1938.
- Prosthennops* Gidley 1904
- Prosthennops serus* (Cope 1878)
- KUVP 3755 *Prosthennops serus* (Cope)—Hesse 1935C: pl. 19; lower jaws with P₂-M₃.
- KUVP 3753 *Prosthennops serus* (Cope)—Hesse 1935C: pl. 20, fig. 1; right jaw fragment with dP₂-M₁.
- Prosthennops serus* (Cope)—Hesse 1935C: pl. 21, fig. 1; partial skull with dP²-dP⁴-M¹ (associated with lower jaw of pl. 20, fig. 1).
- KUVP 3754 *Prosthennops serus* (Cope)—Hesse 1935C: pl. 20, fig. 2; palate with P³-P⁴ unerupted, M¹-M² in place, M³ unerupted, not relocated.
- KUVP 3753-55 Tertiary, late Miocene, Hemphillian, Ogallala Formation, Feldt Ranch, SE¹/₄, Sec. 33, T14N, R38W, Keith County, Nebraska; collected by C. W. Hibbard and party 1931.
- ?*Prosthennops* sp. indet.
- KUVP 5533 ?*Prosthennops* sp. indet.—Bennett 1979: text-figs. 3J and R; astragalus. Tertiary, late Miocene, Hemphillian, Lost Quarry, NW¹/₄, Sec. 1, T15S, R38W, Wallace County, Kansas; collected by H. T. Martin 1924.
- Tayassuidae genus and species indeterminate
- KUVP 6534 Tayassuidae gen. et sp. indet.—Hibbard 1944A: text-fig. 20D; upper canine, not relocated. Quaternary, Pleistocene, Kingsdown Silt; Sec. 12, T30S, R23W, Clark County, Kansas; collected by C. W. Hibbard and party 1942.
- Infraorder Oreodonta Osborn 1910
- Superfamily Merycoidodontoidea Thorpe 1937
- Family Merycoidodontidae Thorpe 1923
- Merycoidodon* Leidy 1848
- Merycoidodon culbertsonii* (Leidy 1859)
- KUVP 490 *Merycoidodon culbertsonii* (Leidy)—Stewart 1897A: pl. L; restoration of slab on display. Tertiary, Oligocene, Orellan, White River Formation, eastern Wyoming; collected by S. W. Williston, 1895.
- Suborder Tylopoda Illiger 1811
- Family Camelidae Gray 1821
- Alforjas* Harrison 1979
- Alforjas taylori* Harrison 1979
- (Type-species)

- KUVP 3216 *Alforjas taylori* new genus, new species—Harrison 1979: pl. 2, fig. 1; pl. 3, fig. 1; juvenile with complete deciduous dentition and m_1 , germ, referred specimen.
- KUVP 3214 *Alforjas taylori* new genus, new species—Harrison 1979: pl. 2, fig. 2; pl. 3, fig. 2; young adult with dP_4 in place and M_2 erupting, referred specimen.
- KUVP 3725 *Alforjas taylori* new genus, new species—Harrison 1979: pl. 2, fig. 3; pl. 3, fig. 3; mature adult with M_3 in place, referred specimen.
- KUVP 528 *Alforjas taylori* new genus, new species—Harrison 1979: pl. 4, figs. 1-2; deciduous upper dentition, referred specimen.
- KUVP 3285 *Alforjas taylori* new genus, new species—Harrison 1979: pl. 4, fig. 4; axis, referred specimen.
- KUVP 528, 3214, 3216, 3285, 3725 Tertiary, late Miocene, Hemphillian, Ogallala Formation, Edson Quarry, SW $\frac{1}{4}$, Sec. 25, T10S, R38W, Sherman County, Kansas; collected by K.U. field party 1928.
- Camelops* Leidy 1854
- Camelops kansanus* Leidy 1854
- KUVP 6526 *Camelops kansanus* Leidy—Hibbard 1944A: text-fig. 20B; LM_3 , not relocated.
- Quaternary, Pleistocene, Kingsdown Silt; SE $\frac{1}{4}$, Sec. 12, T30S, R23W, Clark County, Kansas; collected by C. W. Hibbard and party 1942. Erroneously listed in caption to figure as *Camelops* sp.
- KUVP 7412 *Camelops kansanus*—Hibbard and Taylor 1960: text-fig. 16B; phalanx.
- Quaternary, Pleistocene, Cragin Quarry, Big Spring Ranch, SW $\frac{1}{4}$, Sec. 17, T32S, R28W, Meade County, Kansas; collected by R. Rinker, R. R. Camp, and C. W. Hibbard 1945.
- Camelops* cf. *kansanus* Leidy 1854
- KUVP 3960 *Camelops* cf. *kansanus* Leidy—Hibbard 1937C: pl. 1, fig. 4; left M_2 .
- KUVP 4628 *Camelops* cf. *kansanus* Leidy—Hibbard 1939C: pl. 3, fig. 9; right lower jaw bearing P_4 - M_3 .
- Camelops* cf. *kansanus* Leidy—Hibbard 1939C: pl. 3, fig. 10; left lower jaw bearing P_4 - M_3 . Erroneously listed as 4626 in caption to figure.
- KUVP 3960, 4628 Quaternary, Pleistocene, Cragin Quarry, Big Spring Ranch, SW $\frac{1}{4}$, Sec. 17, T32S, R28W, Meade County, Kansas; 3960 collected by C. W. Hibbard 1936; 4628 collected by C. W. Hibbard and party 1937.
- Camelops* sp.
- KUVP 3944 *Camelops* sp.—Hibbard 1937D: pl. 3, fig. 20; M_2 .
- Tertiary, Pliocene, Blancan; Rexroad Formation; NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party, 1936.
- Eschatius* Cope 1884
- Eschatius conidens* Cope 1884
- KUVP 4799 *Eschatius conidens* Cope—Riggs 1945: text-figs. 1-2; right maxillary with P^4 - M^2 , not relocated.
- Quaternary, Pleistocene; Shorts Creek, Sec. 32, T33S, R28W, Meade County, Kansas; collected by C. W. Hibbard and party 1937.
- Hemiauchenia* Gervais and Ameghino 1880
- Hemiauchenia vera* (Matthew 1909)
- KUVP 3694 *Hemiauchenia vera* (Matthew)—Bennett 1979: text-figs. 3A-B; dentary, specimen number listed erroneously as KUVP 3964 in caption to figure.

- KUVP 49444 *Hemiauchenia vera* (Matthew)—Bennett 1979: text-fig. 4A; proximal phalanx of forefoot.
 KUVP 43118 *Hemiauchenia vera* (Matthew)—Bennett 1979: text-fig. 4B; proximal phalanx of hindfoot.
 KUVP 3694, 43118, 49444 Tertiary, late Miocene, Hemphillian, Lost Quarry, NW $\frac{1}{4}$, Sec. 1, T15S, R38W, Wallace County, Kansas; collected by H. T. Martin 1924.

Pliauchenia Cope 1875

Pliauchenia cochrani Hibbard & Riggs 1949

- KUVP 7643 *Pliauchenia cochrani* sp. nov.—Hibbard & Riggs 1949: p. 854, text-fig. 10C; holotype, left ramus with P₁, P₄-M₃.
 KUVP 7644 *Pliauchenia cochrani* sp. nov.—Hibbard & Riggs 1949: p. 854, text-fig. 10A; holotype associated with 7643, right ramus with P₁, P₃-M₃.
 KUVP 7184 *Pliauchenia cochrani* sp. nov.—Hibbard & Riggs 1949: pl. 4, fig. 3; anterior phalanx.
 KUVP 7181 *Pliauchenia cochrani* sp. nov.—Hibbard & Riggs 1949: text-fig. 10B; right M₃, erroneously labeled as left M₃ in caption to figure.
 KUVP 7646 *Pliauchenia cochrani* sp. nov.—Hibbard & Riggs 1949: pl. 5, fig. L; left metatarsal.
 KUVP 7181, 7184, 7643-44, 7646 Tertiary, Pliocene, Blancan, Rexroad Formation, Keefe Canyon, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 34, T34S, R30W, Meade County, Kansas; collected by E. S. Riggs and party 1944.

Tanupolama Stock 1928

Tanupolama blancoensis Meade 1945

- KUVP 7143 *Tanupolama blancoensis* Meade—Hibbard & Riggs 1949: text-fig. 3C; left M₁-M₃.
 KUVP 7149 *Tanupolama blancoensis* Meade—Hibbard & Riggs 1949: pl. 4, fig. 2; phalanx.
 KUVP 7500 *Tanupolama blancoensis* Meade—Hibbard & Riggs 1949: text-fig. 8D; right ramus with DP₃-DP₄.
 KUVP 7141 *Tanupolama blancoensis* Meade—Hibbard & Riggs 1949: text-fig. 11A; RM¹-M³.
 KUVP 6962 *Tanupolama blancoensis* Meade—Hibbard & Riggs 1949: text-fig. 11B; right ramus with P₃-M₃.
 KUVP 7499 *Tanupolama blancoensis* Meade—Hibbard & Riggs 1949: pl. 5, fig. 2; metatarsal.
 KUVP 7497 *Tanupolama blancoensis* Meade—Hibbard & Riggs 1949: pl. 5, fig. 3; left metacarpal.
 KUVP 7491 *Tanupolama blancoensis* Meade—Hibbard & Riggs 1949: pl. 5, fig. 4; left ulna-radius.
 KUVP 7645 *Tanupolama blancoensis* Meade—Hibbard & Riggs 1949: pl. 5, fig. 5; left humerus.
 KUVP 6962, 7141, 7143, 7149, 7491, 7497, 7499-7500, 7645 Tertiary, Pliocene, Blancan, Rexroad Formation, Keefe Canyon, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 34, T34S, R30W, Meade County, Kansas; collected by E. S. Riggs and party 1944.

Tanupolama sp. Hibbard & Taylor 1960

- KUVP 7414 *Tanupolama* sp.—Hibbard and Taylor 1960: text-fig. 16A; phalanx. Quaternary, Pleistocene; Cragin Quarry, Big Spring Ranch, SW $\frac{1}{4}$, Sec. 17, T32S, R28W, southwest Meade County, Kansas; collected by R. Rinker, R. R. Camp and C. W. Hibbard 1945.

Titanotylopus Barbour and Schultz 1934

Gigantocamelus Barbour and Schultz 1939

- Titanotylopus* (= *Gigantocamelus*) *spatulus* (Cope 1843)
- KUVP 7167 *Titanotylopus* (= *Gigantocamelus*) *spatulus* (Cope) Hibbard & Riggs 1949: text-fig. 4C; partial skull; text-fig. 6A; partial skull.
- KUVP 7161 *Titanotylopus* (= *Gigantocamelus*) *spatulus* (Cope) Hibbard & Riggs 1949: text-fig. 5A; partial left ramus.
- KUVP 6945 *Titanotylopus* (= *Gigantocamelus*) *spatulus* (Cope) Hibbard & Riggs 1949: text-fig. 5B; partial left ramus.
- KUVP 7171 *Titanotylopus* (= *Gigantocamelus*) *spatulus* (Cope) Hibbard & Riggs 1949: text-fig. 6B; RM².
- KUVP 6938 *Titanotylopus* (= *Gigantocamelus*) *spatulus* (Cope) Hibbard & Riggs 1949: text-fig. 6C; RM₂.
- KUVP 7687 *Titanotylopus* (= *Gigantocamelus*) *spatulus* (Cope) Hibbard & Riggs 1949: text-fig. 6D; RM₃.
- KUVP 7684 *Titanotylopus* (= *Gigantocamelus*) *spatulus* (Cope) Hibbard & Riggs 1949: text-fig. 6E; RM₃.
- KUVP 6951 *Titanotylopus* (= *Gigantocamelus*) *spatulus* (Cope) Hibbard & Riggs 1949: text-fig. 7A; ulna-radius.
- KUVP 7169 *Titanotylopus* (= *Gigantocamelus*) *spatulus* (Cope) Hibbard & Riggs 1949: text-fig. 7B; dorsal vertebrae.
- KUVP 6947 *Titanotylopus* (= *Gigantocamelus*) *spatulus* (Cope) Hibbard & Riggs 1949: text-fig. 8A; lower jaw.
Titanotylopus spatulus (Cope)—Breyer 1976: text-fig. 3A; mandibular symphysis.
- KUVP 7209 *Titanotylopus* (= *Gigantocamelus*) *spatulus* (Cope) Hibbard & Riggs 1949: text-fig. 3B; upper and lower canines.
- KUVP 7160 *Titanotylopus* (= *Gigantocamelus*) *spatulus* (Cope) Hibbard & Riggs 1949: text-fig. 3D; P₁-P₃ and P₄.
- KUVP 6943 *Titanotylopus* (= *Gigantocamelus*) *spatulus* (Cope) Hibbard & Riggs 1949: pl. 3, skull.
Titanotylopus (= *Gigantocamelus*) *spatulus* (Cope) Bennett 1984: text-fig. 98B; skull.
- KUVP 7647 *Titanotylopus* (= *Gigantocamelus*) *spatulus* (Cope) Hibbard & Riggs 1949: pl. 4, fig. 1; sacrum.
- KUVP 7166 *Titanotylopus* (= *Gigantocamelus*) *spatulus* (Cope) Hibbard & Riggs 1949: text-fig. 5; scapula.
- KUVP 7165 *Titanotylopus* (= *Gigantocamelus*) *spatulus* (Cope) Hibbard & Riggs 1949: pl. 4, fig. 6; calcaneum.
- KUVP 6944 *Titanotylopus* (= *Gigantocamelus*) *spatulus* (Cope) Hibbard & Riggs 1949: text-fig. 4A; partial skull; text-fig. 4B; RP³-M³.
- KUVP 7162 *Titanotylopus* (= *Gigantocamelus*) *spatulus* (Cope) Hibbard & Riggs 1949: text-fig. 7C; metatarsal.
- KUVP 7201 *Titanotylopus* (= *Gigantocamelus*) *spatulus* (Cope) Hibbard & Riggs 1949: text-fig. 8B-C; lower jaws.
- KUVP 6946 *Titanotylopus* (= *Gigantocamelus*) *spatulus* (Cope) Hibbard & Riggs 1949: text-fig. 9B-9C; left ramus with P₃-M₁.
- KUVP 7648 *Titanotylopus* (= *Gigantocamelus*) *spatulus* (Cope) Hibbard & Riggs 1949: pl. 5, fig. 6; right side of pelvis.
- KUVP 6938, 6943-77, 6951, 7160-62, 7165-67, 7169, 7171, 7201, 7209, 7647-48, 7684, 7687 Tertiary, Pliocene, Blancan, Rexroad Formation, Rexroad Fauna, Keefe Canyon, SW¹/₄, SW¹/₄, Sec. 34, T34S, R30W, Meade County, Kansas; collected by E. S. Riggs and party 1943.

Camelid gen. et. sp. Indet.

- KUVP 43124 Camelid, gen. et. sp. indet.—Bennett 1979: text-fig. 3E-F; M₂.
 KUVP 12432 Camelid, gen. et. sp. indet.—Bennett 1979: text-fig. 3G-H; M₁.
 KUVP 12432, 43124 Tertiary, late Miocene, Hemphillian, Lost Quarry, NW¹/₄, Sec. 1, T15S, R38W, Wallace County, Kansas; collected by W. A. Clemens and party 1963.
- Suborder Ruminantia Scopoli 1777
 Infraorder Pecora Linnaeus 1758
 Superfamily Cervoidea Simpson 1931
 Family Cervidae Gray 1821
Alces Frisch 1775
Alces sp.
- KUVP 69460 *Alces* sp.—Hibbard 1940B: pl. 2, fig. 1; right lower dentition. Published as KUVP 142.
 Quaternary, Pleistocene, Kaw River, North Topeka, Shawnee County, Kansas; collected by E. P. West 1925.
- Blastomeryx* Cope 1877
Blastomeryx sp.
- KUVP 3748 *Blastomeryx* sp.—Hesse 1935B; pl. 21, fig. 2; right jaw with P₂-M₁; not relocated.
 Tertiary, late Miocene, Hemphillian, Ogallala Formation, Feldt Ranch, SE¹/₄, Sec. 33, T14N, R38W, Keith County, Nebraska; collected by C. W. Hibbard and party 1931.
- Cervalces* Scott 1885
Cervalces scotti Lydekker 1898
- KUVP 5069 *Cervalces scotti* Lydekker—Hibbard 1940B: pl. 1, fig. 1.
Cervalces scotti Lydekker—Martin, Whetstone, Chorn & Frailey 1979: text-fig. 2; partial skull.
Cervalces scotti Lydekker—Bennett 1984: text-fig. 64; skull.
- KUVP 5068 *Cervalces scotti* Lydekker—Hibbard 1940b: pl. 1, fig. 2; part of right antler.
 KUVP 5068-69 Quaternary, Pleistocene?, Kansas River near Topeka, Shawnee County, Kansas; collected by H. W. Richardson 1939.
- Hippocamelus* Leuckart 1816
Hippocamelus sp.
- KUVP 43063 *Hippocamelus* sp.—Frailey, Campbell & Wolff 1980: text-figs. 1A-L; left antler.
 Quaternary, Pleistocene, Pueblo Viejo Area, Departamento de Tarija, Bolivia; collected by D. Frailey 1978.
- Odocoileus* Rafinesque 1832
Odocoileus sp.
- KUVP 4643 *Odocoileus* sp.—Hibbard 1939C: pl. 4, fig. 13; left upper molar.
 Quaternary, Pleistocene, Harvey County, Kansas; collected by K. Scott 1938.
- KUVP 6505 *Odocoileus* sp.—Hibbard 1943B: pl. 19, fig. 8; base of a right antler.
 Quaternary, Pleistocene, Frank Rezabek gravel pit, SE¹/₄, Sec. 20, T13S, R10W, Lincoln County, Kansas; collected by C. W. Hibbard 1942.
- Yumaceras* Frick 1937
- KUVP 43126 *Dromomerycid*—Bennett 1979: text-figs. 3C-D; inferior molar. Erroneously listed as 5541 and *Dromomerycid* gen. et sp. indet. in caption to figure.
 Tertiary, late Miocene, Hemphillian, Lost Quarry, NW¹/₄, Sec. 1, T15S, R38W, Wallace County, Kansas; collected by H. T. Martin 1924.

- Cervidae genus indeterminant
- KUVP 4666 Cervidae genus indet.—Hibbard 1941B: pl. 4, fig. 3; tip of antler.
Tertiary, Pliocene, Blancan, Rexroad Formation, NE¹/₄, NW¹/₄, Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1938.
- Superfamily Bovoidea Simpson 1931
Family Antilocapridae Brooke 1876
Capromeryx Matthew 1902
Capromeryx altidens (Matthew 1924)
- KUVP 3480 *Capromeryx altidens* (Matthew)—Hesse 1935B: text-fig. 1A; left lower jaw with P₄-M₂.
- KUVP 3099 *Capromeryx altidens* (Matthew)—Hesse 1935B: text-fig. 1B; anterior part of right lower jaw with P₂-P₄. Erroneously listed as 3790 in text and caption to figure.
- KUVP 3618 *Capromeryx altidens* (Matthew)—Hesse 1935B: text-fig. 2B; upper left cheek teeth P³-M². Erroneously listed in caption to figure as P₂-M₂
- KUVP 3438 *Capromeryx altidens* (Matthew)—Hesse 1935B: text-fig. 3B; metatarsal.
- KUVP 3099, 3480, 3483, 3618 Tertiary, late Miocene, Ogallala Formation, Rhino Hill Quarry, NW¹/₄, SE¹/₄, Sec. 11, T11S, R38W, Wallace County, Kansas collected by KU field party 1926.
- KUVP 3711 *Capromeryx altidens* (Matthew)—Hesse 1935B: text-fig. 2A; left lower jaw with DP₄-M₁.
Tertiary, Pliocene, eastern part of Clark County, Kansas.
- Capromeryx furcifer* Matthew 1902
- KUVP 7419 *Capromeryx furcifer* Matthew—Hibbard and Taylor 1960: text-fig. 17B; right P₂-M₃.
- KUVP 7418 *Capromeryx furcifer* Matthew—Hibbard and Taylor 1960: text-fig. 17C; left P₄-M₂.
- KUVP 7418-19 Quaternary, Pleistocene, Cragin Quarry, Big Spring Ranch, SW¹/₄, Sec. 17, T32S, R28W, Meade County, Kansas; collected by C. W. Hibbard 1945.
- Capromeryx* sp.
- KUVP 3943 *Capromeryx* sp.—Hibbard 1937D: pl. 3, fig. 17.
Capromeryx sp.—Hibbard 1941B: pl. 4, fig. 1; right P₂.
- KUVP 3943a *Capromeryx* sp.—Hibbard 1941B: pl. 4, fig. 5; lower molar.
- KUVP 3943-43a Tertiary, Pliocene, Blancan, Rexroad Formation, NE¹/₄, NW¹/₄, Sec. 22, T33S, R29W, Meade County, Kansas; collected by C. W. Hibbard and party 1936.
- Antilocapridae genus and species indeterminant
- KUVP 6525 Antilocapridae gen. et sp. indet.—Hibbard 1944A: text-fig. 20E; distal end of humerus.
Quaternary, Pleistocene, Kingsdown Silt; SW¹/₄, Sec. 12, T30S, R23W, Clark County, Kansas; collected by C. W. Hibbard and party 1942.
- Family Bovidae Gray 1821
Bison Smith 1827
Bison bison (Linnaeus 1758)
- KUVP 54005 *Bison bison* (Linnaeus)—Martin, Whetstone, Chorn, and Frailey 1979: cover page photo—skull.
Bison bison (Linnaeus)—Bennett 1984: text-fig. 101; skull.
Quaternary, Pleistocene?, Kansas River at Bonner Springs, Wyandotte County,

- Kansas; collected by J. Neas and B. Foreman 1978.
- KUVP 65707 *Bison bison* (Linnaeus)—Rogers and Martin 1983: text-fig. 2B; skull. Quaternary, Pleistocene, Kansas River, 1 mile upstream from Bonner Springs, Wyandotte County, Kansas; collected by C. W. Holien 1981.
- KUVP 54010 *Bison bison* (Linnaeus)—Rogers and Martin 1983: text-fig. 2C; skull. Quaternary, Pleistocene, Kansas River; collector unknown.
- Bison kansensis* McClung 1964
- KUVP 388 *Bison kansensis* sp. nov.—McClung 1904: p. 157, text-fig. 16; holotype, skull. Quaternary, Pleistocene, Kansas River near North Lawrence, Douglas County, Kansas; collected by C. H. Sternberg 1903.
- Bison latifrons* (Harlan 1825)
- KUVP 201 *Bison latifrons* (Harlan)—Martin 1927: pls. 42-43; partial skull with horn core. Quaternary, Pleistocene, 25 miles southeast of Coldwater, O'Connell Ranch, Kansas; collected by J. O'Connell 1925.
- Bison occidentalis* Lucas 1898
- KUVP 2855 *Bison occidentalis* Lucas—Lucas 1899: text-fig. 2 and pl. 66; skull.
Bison antiquus Leidy—Stewart 1897: text-figs. 1-2; skull.
Bison occidentalis Lucas—McClung 1908: pl. 14; skeleton.
Bison occidentalis Lucas—Hay 1913: text-fig. 6; skeleton.
Bison occidentalis Lucas—Barbour and Schultz 1932: text-fig. 164; skeleton.
Bison occidentalis Lucas—Lane 1948: text-fig. 10; skeleton.
Bison occidentalis Lucas—Romer 1966: text-fig 241; skeleton.
 Quaternary, Pleistocene, 1/2 mile north of 12 Mile Creek, Logan County, Kansas; collected by T. A. Overton and H. T. Martin 1895.
- Bison willistoni* Martin 1924
- KUVP 390 *Bison willistoni* n. sp.—Martin 1924: p. 273, text-figs. 3-4; holotype, left horn core, maxillary fragment with portion of M³, and upper molar. Quaternary, Pleistocene, south side of Arkansas River, near Garden City, near N. Lat. 3.8° and W. Long. 101°, Finney County, Kansas; collected by A. F. Osburn 1910.
- Bison* sp. cf. *B. antiquus* Leidy 1852
- KUVP 9905 *Bison* sp. cf. *B. antiquus* Leidy—Rogers and Martin 1983: text-fig. 2A; skull. Quaternary, Pleistocene, Kansas River, Kansas City, Wyandotte County, Kansas; collected and donated by J. R. McAllister 1951.
- Bison* sp.
- KUVP 4927 *Bison* sp.—Hibbard 1939C: pl. 5, fig. 19; skull. Quaternary, Pleistocene, bank of Fall River, southwest of Fredonia, Wilson County, Kansas; donated by F. Stroud.
- KUVP 4634 *Bison* sp.—Hibbard 1939C: pl. 5, figs. 20-22; skull, right M₁-M₃ and left upper molar. Quaternary, Pleistocene; Gatz Pasture, 7¼ mi. NE of Newton, Harvey County, Kansas; collected by K. Scott 1937.
- KUVP 6527 *Bison* sp.—Hibbard 1944A: text-fig. 20G; distal end of metacarpal, not relocated. Quaternary, Pleistocene, Kingsdown Silt, SE¼, Sec. 12, T30S, R23W, Clark County, Kansas; collected by C. W. Hibbard and party 1942.
- Euceratherium* Furlong & Sinclair 1904
- Euceratherium* sp.
- KUVP 6686 *Euceratherium* sp.—Hibbard 1943A: text-fig. 1; left M₃, not relocated.

Quaternary, Pleistocene, Sullivan gravel pit on north fork of Cimarron River, SW $\frac{1}{4}$, Sec. 7, T29S, R37W, Grant County, Kansas; collected by T. McLaughlin, 1941.

Symbos Osgood 1905

Symbos cavifrons (Leidy 1852)

- KUVP 54004 *Symbos cavifrons* (Leidy)—Nelson & Neas 1980; text-fig. 3A; cranium.
Symbos cavifrons (Leidy)—Martin, Whetstone, Chorn & Frailey 1979; text-fig. 4; cranium.
- KUVP 54017 *Symbos cavifrons* (Leidy)—Nelson & Neas 1980; text-fig. 3B; partial maxilla w/alveoli for P², P³, and P⁴-M³.
- KUVP 54004, 54017 Quaternary, Pleistocene, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 29, T11S, R24E, Wyandotte County, Kansas; 54004 collected by J. Neas 1977. KUVP 54017 collected by R. A. Rogers 1978.
- KUVP 58013 *Symbos cavifrons* (Leidy)—Nelson & Neas 1980; text-fig. 4A; partial cranium and horn core.
 Quaternary, Pleistocene, Kansas River, NW $\frac{1}{4}$, Sec. 5, T12S, R23W, Wyandotte County, Kansas; collected by D. Wiseman & O. Gorman 1979.

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APPENDIX

GENERA AND SPECIES LISTED

<i>Aceratherium</i>	66	<i>Antilocapridae</i>	72
<i>fossiger</i>	66	gen. et sp. indet.	72
<i>Acneodon</i>	6	<i>Apternodus</i>	13
cf. <i>A. secans</i>	6	<i>illifensis</i>	13
<i>Adelphailurus</i>	57	<i>Arctodontomys</i>	16
<i>kansensis</i>	57	<i>wilsonii</i>	16
<i>Aenocyon</i>	52	<i>Arctoryctes</i>	8
<i>dirus</i>	52	<i>galbreathi</i>	8
<i>Agnotocastor</i>	49	<i>Astrohippus</i>	61
<i>coloradenis</i>	49	<i>ansae</i>	61
<i>Agriotherium</i>	53	<i>Angustidens</i>	13
sp.	53	<i>vireti</i>	13
<i>Alces</i>	71		
sp.	71	<i>Baiomys</i>	27
<i>Alforjas</i>	67, 68	<i>rexroadi</i>	27
<i>taylori</i>	67, 68	<i>Bassariscus</i>	54
? <i>Allophaiomys</i>	27	cf. <i>B. ogallalae</i>	54
sp.	27	<i>ogallalae</i>	54
<i>Ambelodon</i>	60	<i>Bensonomys</i>	27
<i>fricki</i>	60	<i>arizonae</i>	27
<i>Amphechinus</i>	6, 7	<i>eliasi</i>	27
<i>horncloudi</i>	6, 7	<i>Bison</i>	72, 73
<i>Anchitheriomys?</i>	49, 50	<i>bison</i>	72, 73
sp.	49, 50	<i>kansensis</i>	73
<i>Ankylodon</i>	6	<i>latifrons</i>	73
<i>progressus</i>	6	<i>occidentalis</i>	73
<i>Antesorex</i>	12	sp.	73
<i>compressus</i>	12		

sp. cf. <i>B. antiquus</i>	73	<i>Ctenomys</i>	27
<i>willistoni</i>	73	<i>subassentiens</i>	27
<i>Blarina</i>	10	<i>Cynarctoides</i>	54
<i>fossilis</i>	10	<i>arcidens</i>	54
<i>Blastomeryx</i>	71	<i>Cynarctus</i>	54
sp.	71	<i>fortidens</i>	54
<i>Borophagus</i>	52	<i>Cynomys</i>	25
<i>diversidens</i>	52	<i>ludovicianus</i>	25
<i>Brachyerix</i>	7	<i>vetus</i>	25
<i>incertis</i>	7	<i>Dasypus</i>	17
<i>Brachypotherium</i>	65	<i>bellus</i>	17
<i>americanus</i>	65	<i>Deltatherium</i>	59
<i>Brachyprotoma</i>	54	<i>fundaminus</i>	59
<i>breviramus</i>	54	<i>Dicea</i>	18
<i>Brachypsalis</i>	55	<i>lepuscula</i>	18
<i>modicus</i>	55	<i>Dicrostonyx</i>	28
<i>Calippus</i>	61	sp.	28
sp.	61	<i>torquatus</i>	28
Camelid	71	<i>Dinictis</i>	57
gen. et sp. indet.	71	<i>paucidens</i>	57
<i>Camelops</i>	68	sp.	57
cf. <i>kansanus</i>	68	<i>Dinohippus</i>	61
<i>kansanus</i>	68	<i>interpolatus</i>	61
sp.	68	<i>Dipodomys</i>	46
Canidae	53	<i>kansensis</i>	46
sp.	53	<i>Dipoides</i>	50
<i>Canis</i>	52	<i>rexroadensis</i>	50
<i>davisi</i>	52	<i>wilsoni</i>	50
<i>lephagus</i>	52	<i>Domina</i>	10
sp.	52	<i>compressa</i>	10
<i>Capromeryx</i>	72	<i>Drassonax</i>	55
<i>altidens</i>	72	<i>harpagops</i>	55
<i>furcifer</i>	72	<i>Ectypodus</i>	4
sp.	72	<i>szalayi</i>	4
<i>Castor</i>	50	<i>Ectypodus?</i>	4
sp.	50	<i>macrotomeus</i>	4
<i>Castoroides</i>	50	<i>Eligmodontia?</i>	27
<i>kansensis</i>	50	<i>arizonae</i>	27
sp.	50	<i>Ellipsodon</i>	59
<i>Cedromus?</i>	21	<i>grangeri</i>	59
sp.	21	<i>Eocastoroides</i>	51
<i>Centetodon</i>	10	sp.	51
sp. cf. <i>C. marginalis</i>	10	<i>Epigalus</i>	22
<i>Centimanomys</i>	43	<i>minor</i>	22
<i>major</i>	43	<i>Equus</i>	62, 63
<i>Cervalces</i>	71	<i>complicatus</i>	62
<i>scotti</i>	71	cf. <i>niobarensis</i>	62
Cervidae	72	<i>francisi</i>	62
gen. indet.	72	<i>laurentius</i>	62
Chiroptera	14	<i>niobarensis</i>	62
Genus?	14	<i>scotti</i>	62
<i>Cimolestes</i>	5	sp.	62, 63
<i>simpsoni</i>	5	<i>Equus (Hippotigris)</i>	63
<i>Citellus</i>	24, 25	<i>simplicidens</i>	63
<i>cragini</i>	24	<i>Equus (Plesippus)</i>	63, 64
<i>elegans</i>	24	cf. <i>cumminsii</i>	63
<i>howelli</i>	24	cf. <i>simplicidens</i>	63
<i>meadensis</i>	24	sp.	64
<i>rexroadensis</i>	24	Erinaceinae	7
<i>richardsonii</i>	25	gen. et sp. indet.	7
<i>tridecemlineatus</i>	25	<i>Eschatius</i>	68
<i>Coloradoeumys</i>	28	<i>conidens</i>	68
<i>galbreathi</i>	28		

<i>Eucastor</i>	50, 51	<i>alicae</i>	28
<i>cf. tortus</i>	51	<i>sp.</i>	28
<i>planus</i>	50	<i>Leptochœrus</i>	66
<i>Euceratherium</i>	73	<i>emilyae</i>	66
<i>sp.</i>	73	<i>Leptocyon</i>	53
<i>Eucosmodon</i>	5	<i>shermanensis</i>	53
<i>americanus</i>	5	<i>Lepus</i>	17
<i>Eucosmodon?</i>	5	<i>cf. americanus</i>	17
<i>sp.</i>	5	<i>cf. californicus</i>	17
<i>Eumys</i>	42	<i>Lionys</i>	47
<i>planidens</i>	42	<i>centralis</i>	47
<i>Felis</i>	57, 58	<i>Machairodus</i>	58
<i>cf. atrox</i>	57	<i>crassidens</i>	58
<i>cf. imperialis</i>	57	<i>sp.</i>	58
<i>cf. oregonensis</i>	58	<i>Mammut</i>	60
<i>lacustris</i>	57	<i>americanus</i>	60
<i>sp.</i>	58	<i>Mammut (Mastodon)</i>	60
<i>trumani</i>	58	<i>americanus</i>	60
<i>Felis?</i>	58	<i>Mammut (Pliomastodon)</i>	60
<i>sp.</i>	58	<i>adamsi</i>	60
<i>Florentiamys</i>	46	<i>Martes</i>	55
<i>sp.</i>	46	<i>foxi</i>	55
<i>Geomys</i>	44, 45	<i>Martinogale</i>	55
<i>lutescens</i>	44	<i>alveodens</i>	55
<i>quinni</i>	44, 45	<i>Mastodon</i>	60
<i>sp.</i>	45	<i>americanus</i>	60
<i>Gigantocamelus</i>	69, 70	<i>Mastodontidae</i>	61
<i>spanulus</i>	70	<i>Megalagus</i>	18
<i>Gomphotherium</i>	60	<i>turgidus</i>	18
<i>shepardii</i>	60	<i>Megalonyx</i>	16
<i>Heliscomys</i>	46, 47	<i>sp.</i>	16
<i>sp. cf. H. vetus</i>	47	<i>Meniscoessus</i>	4, 5
<i>tenuiceps</i>	46	<i>robustus</i>	4, 5
<i>vetus</i>	47	<i>Mephitis</i>	55
<i>Hemiauchenia</i>	68, 69	<i>mesomelas varians</i>	55
<i>vera</i>	68, 69	<i>Merycoidodon</i>	67
<i>Hesperoscalops</i>	7, 8	<i>culbertsonii</i>	67
<i>rexroadi</i>	7, 8	<i>Mesogaulus</i>	23
<i>Heterosorex</i>	10, 11	<i>paniensis</i>	23
<i>roperi</i>	10, 11	<i>Metadjidaumo</i>	44
<i>Hipparion</i>	64	<i>cedrus</i>	44
<i>occidentale</i>	64	<i>Microsorex</i>	11
<i>Hippocamelus</i>	71	<i>pratensis</i>	11
<i>sp.</i>	71	<i>Microsypops</i>	16
<i>Homo</i>	15	<i>wilsoni</i>	16
<i>sapiens</i>	15	<i>Microtus</i>	28, 29, 30
<i>Hoplophoneus</i>	58	<i>Microtus (Pedomys)</i>	28, 29, 30, 37
<i>occidentalis</i>	58	<i>cf. ochrogastor</i>	28, 29
<i>Hyaenognathus</i>	53	<i>cf. pennsylvanicus</i>	30
<i>cyonoides</i>	53	<i>llanensis</i>	37
<i>Hypolagus</i>	17	<i>ochrogastor</i>	28
<i>regalis</i>	17	<i>paroperarius</i>	29, 30
<i>sp.</i>	17	<i>pennsylvanicus</i>	30
<i>Kansasimys</i>	43	<i>Mimetodon</i>	4
<i>dubius</i>	43	<i>krausei</i>	4
<i>Knightomys</i>	22	<i>Mioscalops</i>	9
<i>depressus</i>	22	<i>isodens</i>	9
<i>Lasiurus</i>	14	<i>Miospermophilus</i>	25
<i>fossilis</i>	14	<i>bryanti</i>	25
<i>Leidymys</i>	28	<i>Mixodectes</i>	14
		<i>malaris</i>	14
		<i>Monosaulax</i>	51
		<i>n. sp.</i>	51

<i>Mookomys</i>	47	<i>Osteoborus</i>	53
sp. cf. <i>M. formicorion</i>	47	<i>cyonoides</i>	53
<i>Mustela</i>	56	<i>progressus</i>	53
sp.	56	<i>Paenemarmota</i>	26
<i>Mydecodon</i>	8	<i>harbouri</i>	26
<i>martini</i>	8	<i>Palaechthon</i>	14, 15
<i>Mylagaudus</i>	23, 24	<i>nacimienti</i>	14, 15
<i>laevis</i>	23	sp.	15
<i>monodon</i>	23	? <i>Palaechthon</i>	15
sp.	24	<i>nacimienti</i>	15
<i>Mylodon</i>	16	<i>Palaeoarctomys?</i>	25
sp.	16	<i>bryanti</i>	25
<i>Myocastor</i>	27	<i>Palaeolagus</i>	19, 20
<i>perditus</i>	27	<i>burkei</i>	19, 20
<i>Mystipterus</i>	8	<i>haydeni</i>	20
<i>Mystipterus</i> (<i>Mydecodon</i>)	8	<i>Palaeosyops</i>	65
<i>martini</i>	8	<i>palaudos confluentes</i>	65
<i>Mytonomys</i>	21	<i>Panthera</i>	58
<i>robustus</i>	21	<i>atrox</i>	58
<i>Nannippus</i>	64	<i>Parageomys</i>	45
cf. <i>phlegon</i>	64	<i>tobinensis</i>	45
<i>lenticulare</i>	64	<i>Parahodomys</i>	34, 35
<i>phlegon</i>	64	<i>quadriplacatus</i>	34, 35
sp.	64	<i>ParamicrotoscOPTES</i>	35, 36
<i>Nekrolagus</i>	18	<i>hibbardi</i>	35, 36
<i>progressus</i>	18	<i>Paraphelops</i>	66
sp.	18	<i>rooksensis</i>	66
<i>Neofiber</i>	30	<i>Parectypodus</i>	4
<i>leonardi</i>	30	<i>clemensi</i>	4
<i>Neohipparion</i>	64, 65	<i>Pediolagus</i>	18
cf. <i>coloradense</i>	64, 65	<i>progressus</i>	18
cf. <i>eurystyle</i>	65	<i>Pediomys</i>	5
<i>Neondatra</i>	30	<i>elegans</i>	5
<i>kansasensis</i>	30	? <i>florencae</i>	5
<i>Neosorex</i>	11	<i>Pelycodus</i>	15
<i>lacustris</i>	11	cf. <i>P. ralstoni</i>	15
<i>Neotoma</i>	30, 31	<i>Pelycomys</i>	22
<i>Neotoma</i> (<i>Paraneotoma</i>)	30, 31	<i>placidus</i>	22
sp.	31	<i>rugosus</i>	22
<i>taylori</i>	30	<i>Perognathus</i>	47, 48
<i>Nothocyon</i>	53	<i>gidleyi</i>	47
<i>lemur</i>	53	<i>hispidus</i>	48
<i>Notolagus</i>	18, 19	<i>mclaughlini</i>	48
<i>lepusculus</i>	18, 19	<i>pearlettensis</i>	48
<i>Odocoileus</i>	71	sp.	48
sp.	71	<i>Peromyscus</i>	36
<i>Ogmodontomys</i>	31, 32	<i>eliasi</i>	36
<i>poaphagus</i>	31, 32	<i>kansasensis</i>	36
<i>Oligoscalops</i>	8	<i>martini</i>	36
<i>galbreathi</i>	8	sp.	36
<i>whitmanensis</i>	8	<i>Phenacomys</i>	36
<i>Ondatra</i>	32, 33	<i>primaevus</i>	36
<i>kansasensis</i>	32	<i>Pitymys</i>	37
sp.	33	<i>llanensis</i>	37
<i>zibethica</i>	32, 33	<i>mcnowni</i>	37
<i>Onychomys</i>	33, 34	<i>meadensis</i>	37
<i>fossilis</i>	33	? <i>Pitymys</i>	37, 38
<i>gidleyi</i>	33, 34	sp.	37
<i>leucogastor</i>	34	<i>Platygonus</i>	66, 67
<i>Oreolagus</i>	19	<i>bicalcaratus</i>	66
nr. <i>O. nebracensis</i>	19	<i>leptorhinus</i>	66, 67
<i>wilsoni</i>	19	sp.	67
		<i>Plesiogulo</i>	56
		<i>marshalli</i>	56

<i>Plesiosminthus</i>	42, 43	<i>?Reithrodontomys</i>	38
<i>galbreathi</i>	42, 43	<i>Scalopoides</i>	9
<i>Plesiosminthus</i> (<i>Plesiosminthus</i>)	42	<i>isodens</i>	9
<i>clivus</i>	42	<i>Scalopus</i>	9
<i>Plesiosminthus</i> (<i>Schaubeumys</i>).	42, 43	<i>acquaticus</i>	9
<i>galbreathi</i>	42, 43	sp.	9
<i>Plesiosminthus?</i>	43	<i>Sciurus</i>	25, 26
<i>clivus</i>	43	sp.	25
<i>Plesiosorex</i>	10	sp. A	26
<i>coloradensis</i>	10	<i>Scottimus</i>	39
<i>Pleurolicus</i>	45, 46	<i>ambiguus</i>	39
sp.	45, 46	<i>Signodon</i>	39, 40
<i>Plianchenia</i>	69	<i>hilli</i>	39
<i>cochrani</i>	69	<i>intermedius</i>	40
<i>Pliohippus</i>	65	<i>Simidectes</i>	13
sp.	65	<i>magnus</i>	13
<i>Pliolemus</i>	38	<i>Sinclairiella</i>	6
<i>antiquus</i>	38	<i>dakotensis</i>	6
<i>Pliopotamys</i>	38	<i>Sirenia</i>	61
<i>meadensis</i>	38	gen. et sp. indet.	61
<i>Pogonodon?</i>	59	<i>Sorex</i>	12, 13
sp.	59	<i>cinereus</i>	12
<i>Pratifelis</i>	59	<i>compressus</i>	12
<i>martini</i>	59	<i>cuahyensis</i>	12
<i>Pratilepus</i>	21	<i>taylori</i>	12
<i>kansasensis</i>	21	<i>vireti</i>	13
<i>Procastoroides</i>	51	<i>Sorex?</i>	13
<i>lanei</i>	51	sp.	13
<i>Procerberus</i>	6	<i>Spilogale</i>	56
<i>formicarum</i>	6	cf. <i>leucoparia</i>	56
<i>Procyon</i>	54	<i>rexroadi</i>	56
<i>rexroadensis</i>	54	<i>Stenoderma</i>	14
<i>Prodipodomys</i>	46	<i>rufum anthonyi</i>	14
<i>kansensis</i>	46	<i>Stenocichinus</i>	7
<i>Proheteromys</i>	48, 49	<i>tantalus</i>	7
sp. cf. <i>P. magnus</i>	48	<i>Sylvilagus</i>	21
<i>sulculus</i>	49	sp.	21
<i>Promioclænus</i>	59	<i>Symbos</i>	74
<i>acolytus</i>	59	<i>cavifrons</i>	74
<i>wilsoni</i>	59	<i>Symmetrodontomys</i>	40, 41
<i>Propliophenacomys</i>	38	<i>simplicidens</i>	40, 41
<i>parkeri</i>	38	<i>Synaptomys</i>	41
<i>Proscalops</i>	8	<i>bunkeri</i>	41
sp. cf. <i>P. secundus</i>	8	<i>Synaptomys</i> (<i>Mictomys</i>)	41, 42
<i>Prosciurus</i>	22	<i>borealis</i>	41
<i>relictus</i>	22	cf. <i>vetus</i>	42
<i>Prosthennops</i>	67	<i>kansasensis</i>	41, 42
<i>serus</i>	67	Talpidae	9
<i>?Prosthennops</i>	67	gen. et sp. indet.	9
sp. indet.	67	<i>Talpothenach</i>	15
<i>Protospermophilus</i>	26	<i>torrejontus</i>	15
<i>kelloggi</i>	26	<i>Tamius</i>	26
sp.	26	sp.	26
<i>Protypotherium</i>	60	<i>Tanupolama</i>	69
<i>martini</i>	60	<i>blancoensis</i>	69
<i>Pseudocylindrodon</i>	22	sp.	69
sp.	22	<i>Tapirus</i>	65
<i>Pseudotheridomys</i>	44	cf. <i>T. excelsus</i>	65
<i>hesperus</i>	44	<i>Tayassuidae</i>	67
<i>Pseudotrimylus</i>	11	gen. et sp. indet.	67
<i>roperi</i>	11	<i>Taxidea</i>	56
<i>Reithrodontomys</i>	38	<i>taxus</i>	56
<i>pratincola</i>	38		

<i>Teleoceras</i>	66	<i>Vulpes</i>	53
<i>cf. fossiger</i>	66	<i>cf. V. shermanensis</i>	53
<i>Tetracaulodon (Tetrabelodon)</i>	60	<i>Wilsoniumys</i>	42
<i>shepardii</i>	60	<i>planidens</i>	42
<i>Thomomys</i>	46	<i>cf. Wilsonosorex</i>	13
<i>sp.</i>	46	<i>conulatus</i>	13
<i>Titanotylopus (= Gigantocamelus)</i>	69, 70	<i>Wilsonosorex</i>	13
<i>spatulus</i>	69, 70	<i>conulatus</i>	13
<i>Trigonictis</i>	57	<i>Zapus</i>	43
<i>kansasensis</i>	57	<i>burti</i>	43
<i>Trilophodon</i>	60	<i>Zetamys</i>	52
<i>sp.</i>	60	<i>sp.</i>	52

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