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Revised Checklist of North American Mammals North of Mexico, 1986

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REVISED CHECKLIST OF NORTH AMERICAN MAMMALS
NORTH OF MEXICO, 1986

J. KNOX JONES, JR., DILFORD C. CARTER, HUGH H. GENOWAYS,
ROBERT S. HOFFMANN, DALE W. RICE, AND CLYDE JONES

For more than a decade, we have periodically updated a checklist of scientific and vernacular names of species of North American mammals (Jones et al., 1973, 1975, 1979, 1982). Such checklists provide a ready reference for many scientific endeavors, both in the field and in the laboratory, and are particularly useful to students. Since publication four years ago of the most recent revision of the list, demand for copies has severely depleted the original supply. Moreover, many significant taxonomic and nomenclatorial changes have appeared in the primary mammalogical literature since March of 1982. In this version of the checklist, we have attempted to include all species of Recent mammals, a few of which now may be extinct, occurring in North America (and its adjacent waters) to the north of Mexico and recognized in publications through May of 1986. Our list represents a consensus among the six authors but does not necessarily imply complete agreement among them on all controversial points. Some suggested changes that have not been adopted are discussed in the text preceding the checklist.

As most readers are aware, a number of species of mammals not native to North America have been introduced there over the years. Thirteen such taxa (four more than in 1982) are included in the checklist (identified by an asterisk) because they now occur in the wild state in numbers sufficient to justify listing them. Other exotic species possibly will be included in subsequent lists.
We have documented below those instances in which scientific names used in this checklist differ from those used by Jones et al. (1982). Some other pertinent comments are included that may help to explain the current list of recognized taxa.

**Marsupials**

We here retain Marsupialia as the ordinal name for this group, following Marshall (1984), because no clear consensus yet has evolved as to an acceptable higher classification for these mammals. Some authors (Strahan, 1983, for example) place New World marsupials in the order Polyprotodonta, whereas others (Woodburne, 1984, for example) use Didelphiformes. Most recent workers agree that two or more groupings of marsupials are deserving of ordinal rank, but there is no debate that the total assemblage comprises a monophyletic unit. Archer (1984) has provided a useful historical summary of marsupial classification.

**Insectivores**

In this group, the only changes involve species of the genus Sorex, although some specific distinctions among Blarina remain to be clarified. Sorex fontinalis (Kirkland, 1977; Junge and Hoffmann, 1981) provisionally is recognized as a species distinct from S. cinereus as is S. haydeni (van Zyll de Jong, 1982, 1983). We also have followed van Zyll de Jong (1983) in recognizing both Sorex ugyunak and S. jacksoni as distinct at the species level, but suggest that they ultimately may prove to be conspecific (van Zyll de Jong, 1982).

While we continue use of the name Sorex hydrodromus for the shrew of the Pribilof Islands, we acknowledge that van Zyll de Jong (1982) has called this usage into question. Finally, we now follow the tentative arrangement of Junge and Hoffmann (1981) in regarding Sorex alaskanus as a synonym of S. palustris.

**Bats**

That Myotis keenii as recognized in the past might represent two species first was proposed by van Zyll de Jong (1979). The same author (1985) now has provided additional data that indicate M. septentrionalis is distinct from M. keenii. Similarly, van Zyll de Jong (1984, 1985) has shown that the eastern and
western populations of small-footed myotis (*Myotis leibii* and *M. ciliolabrum*, respectively) ought to be regarded as separate species.

**Edentates**

Although it is not altogether clear how the ordinal-group name Edentata Cuvier, 1798, should be applied or even what it includes, most recent American authors (Barlow, 1984; Dawson and Krishtalka, 1984; Gingerich, 1984; Glass, 1986) have used the name Xenarthra Cope, 1889, for the New World “edentates.” We follow them.

**Lagomorphs**

We elevate *Brachylagus* to full generic standing following Diersing (1984) and earlier Dawson (1967).

**Rodents**

*Sciuridae.*—Based on additional data (Levenson et al., 1985), we continue to regard *Tamias* as the single generic name for chipmunks. Following the same authors, we now consider *T. senex* and *T. siskiyou*, and inferentially also *T. ochrogenys*, as subspecies of *T. townsendii* (see also Levenson and Hoffmann, 1984), although as yet unpublished data on alarm calls suggest continued separation. Patterson (1984) provided evidence for recognizing *T. rufus* as a species different from *T. quadrivittatus* (but see his discussion of application of the name *hopiensis*). We have not followed Nadler et al. (1982) in elevating *Spermophilus townsendii mollis* and *S. t. vigilis* to specific rank.

*Geomyidae.*—Bohlin and Zimmerman (1982) and Cothran and Zimmerman (1985) have shown that *Geomys breviceps* differs from *G. bursarius* in a variety of ways and is deserving of full specific status; conversely, Hafner and Geluso (1983) reduced the two races of *Geomys arenarius* to subspecies of *G. bursarius*, although this interpretation is deserving of further analysis. On the basis of genic differences, Honeycutt and Williams (1982) again elevated *Cratogeomys* to generic status (from *Pappogeomys*).

Heaney and Timm (1983, 1985) provided evidence that gene flow is extremely limited between eastern (*bursarius*) and western (*lutescens*) populations of the plains pocket gopher, and regarded the two as separate species. However, Burns et al. (1985) assessed the data differently. As the controversy continues, we adopt the conservative stance and continue to recognize only one species on the northern and central Great Plains.
Heteromyidae.—Following Hafner and Hafner (1983) and others, we recognize Chaetodipus as the generic name for all spiny-rumped pocket mice, including C. formosus (Patton et al., 1981).

Cricetidae.—Among the sigmodontines, we follow Modi and Lee (1984) in submerging Peromyscus comanche as a subspecies of P. truei and the same authors in elevating P. gratus to specific status. We also follow Gunn and Greenbaum (1986) in recognizing Peromyscus oreas as distinct from P. maniculatus.

Among the arvicoline, we agree with Carleton and Musser (1984) that Arborimus should not be recognized as a genus distinct from Phenacomys and that Lemmiscus should replace Lagurus as the generic name for the sagebrush vole. We also regard Microtus breweri and M. nesophilus as insular subspecies of M. pennsylvanicus and M. coronarius as an island race of M. longicaudus.

As for use of the generic names Pitymys and Pedomys, we honestly do not know what to do; consequently, we have done nothing. Anderson (1985) did not recognize these at the generic level nor did Carleton and Musser (1984) or Hoffmann and Koeppl (1985). Paleomammalogists (Repenning, 1983, and Zakrzewski, 1985, for example) generally recognize Pitymys, most regarding Pedomys (for M. ochrogaster) as a synonym thereof. Repenning (op. cit.) even recognized pinetorum and nemoralis as distinct species in Pitymys. At this juncture, is seems best to follow Carleton and Musser (1984) and Anderson (1985) in referring all these voles to Microtus.

We have not followed Koeningswald and Martin (1984) in elevating Mitomys to generic standing for the northern bog lemming. As for Dicrostonyx, the substantial chromosomal variation within the genus seems to indicate that as many as seven species of Pleistocene derivation inhabit Arctic America (Rausch and Rausch, 1972; Rausch, 1977; Krohne, 1982) and these are provisionally admitted here (see also Honacki et al., 1982). For Lemmus, we continue to follow Rausch and Rausch (1975) in recognizing but one species in North America, L. sibiricus.

Muridae.—Although we continue to use Mus musculus as the specific name of the house mouse, it is worthy of mention that recent studies (Marshall, 1981; Marshall and Sage, 1981) suggest that M. domesticus may be the species introduced into the New World.
Carnivores

We have not rearranged the families of Carnivora, but acknowledge that familial relationships among pinnipeds and terrestrial carnivores remain problematical (Wiig, 1983). Similarly, we retain the generic name *Felis* for all included cats with the realization that there is considerable disagreement on this matter in recent literature (see Groves, 1982, and Newman et al., 1985, for example). At the extreme, four different generic names are recognized for species listed here: *Panthera* (*onca*), *Puma* (*concolor, yagouaroundi*), *Leopardus* (*pardalis, wiedii*), and *Lynx* (*lynx, rufus*).

An analysis of phocids by Muizon (1982) indicated that *Phoca* (*sensu lato*) is a paraphyletic assemblage and that *Pusa, Pagophilus, and Histriophoca* should again be regarded as full genera (see also Hall, 1981).

Whales

Following Barnes (1984a), the Odontoceti and Mysticeti are again reduced to subordinal status under the single order Cetacea. Also, in accord with findings of the same author (1984b), the pygmy sperm whales are again accorded full familial rank (Kogiidae).

The International Commission on Zoological Nomenclature has placed *Mesoplodon* on the Official List of Generic Names of Zoology (Opinion 1289). Furthermore, the Commission has been petitioned (Rice, 1984) to conserve the specific name *truncatus* (in *Tursiops* as used here) and to suppress the name *nesarnack*. In accordance with Article 31(b) of the new edition of the International Code, the correct spelling of the specific name for the long-finned pilot whale must be *melas*, as originally proposed, not *melaena*. We have not accepted the proposal of Barnes and McLeod (1984) to place the blue whale in the monotypic genus *Sibbaldius* Flower, 1865, because that name is an invalid emendation of *Sibbaldus* Gray, 1864, the type species of which is the sei whale, and because such placement would, in our view, obscure its relationship to the remaining four species of *Balaenoptera*. And finally in nomenclatorial matters, we continue to use the specific name *macrocephalus* for the sperm whale (Husson and Holthuis, 1974) because Schevill's (1986) rejection of that name in favor of *catodon* was based on a misinterpretation of the International Code.
Perrin et al. (1985) revised the spotted dolphins (Stenella) and found S. plagiodon to be a synonym of S. frontalis, and Hersh and Odell (1986) added Lagenodelphis hosei to the list of North American cetaceans based on a mass stranding at Marquesas Keys, Florida.

**Artiodactyls**

Four new exotic species have been admitted to our checklist on the basis of several recent publications.

**CHECKLIST**

As in previous lists, orders, families, and genera are listed in conventional phylogenetic sequence mostly following Hall (1981) but, in a departure from previous lists, species are entered alphabetically within each genus. While this may prove annoying to some professional mammalogists, it will facilitate use of the checklist by those unfamiliar with intrageneric taxonomy, and some assemblages really are not well enough understood to create a meaningful hierarchy at the specific level.

**ORDER MARSUPIALIA—Marsupials**

**FAMILY DIDELPHIDAE—Opossums**

*Didelphis virginiana*.............Virginia Opossum

**ORDER INSECTIVORA—Insectivores**

**FAMILY SORICIDAE—Shrews**

*Sorex arcticus*..................Arctic Shrew
*Sorex arizonae*..................Arizona Shrew
*Sorex bendirii*..................Pacific Water or Marsh Shrew
*Sorex cinereus*..................Cinereus or Masked Shrew
*Sorex dispar*...................Long-tailed or Rock Shrew
*Sorex fontinalis*...............Maryland Shrew
*Sorex fumeus*..................Smokey Shrew
*Sorex gaspensis*..............Gaspé Shrew
*Sorex haydeni*...............Hayden’s Shrew
*Sorex hoyi*.....................Pygmy Shrew
*Sorex hydrodromus*...........Pribilof Island Shrew
*Sorex jacksoni*...............St. Lawrence Island Shrew
*Sorex longirostris*...........Southeastern Shrew
*Sorex lyelli*..................Mt. Lyell Shrew
*Sorex merriami*...............Merriam’s Shrew
Sorex monticolus..............Dusky or Montane Shrew
Sorex nanus....................Dwarf Shrew
Sorex ornatus...................Ornate Shrew
Sorex pacificus................Pacific Shrew
Sorex palustris..................Water Shrew
Sorex preblei....................Preble's Shrew
Sorex tenellus...................Inyo Shrew
Sorex troubregii.................Trowbridge's Shrew
Sorex tundrensis..............Tundra Shrew
Sorex ugyunak...................Barren Ground Shrew
Sorex vagrans...................Vagrant Shrew
Blarina brevicauda..............Northern Short-tailed Shrew
Blarina carolinensis............Southern Short-tailed Shrew
Blarina hylophaga..............Elliot's Short-tailed Shrew
Cryptotis parva................Least Shrew
Notiosorex crawfordi............Desert Shrew

FAMILY TALPIDAE—Moles
Neurotrichus gibbsii...........Shrew-mole
Scapanus latimanus...........Broad-footed Mole
Scapanus orarius.............Coast Mole
Scapanus townsendii.........Townsend's Mole
Parascalops breweri...........Hairy-tailed Mole
Scalopus aquaticus............Eastern Mole
Condylura cristata.............Star-nosed Mole

ORDER CHIROPTERA—Bats
FAMILY MORMOOPIDAE—Mormoopid Bats
Mormoops megalophylla.........Ghost-faced Bat

FAMILY PHYLLOSTOMIDAE—Phyllostomid Bats
Macrotus californicus.........California Leaf-nosed Bat
Choeronycteris mexicana.......Mexican Long-tongued Bat
Leptonycteris nivalis.........Mexican Long-nosed Bat
Leptonycteris sanborni........Sanborn's Long-nosed Bat
Diphylla ecaudata.............Hairy-legged Vampire

FAMILY VESPERTILIONIDAE—Vespertilionid Bats
Myotis auriculus..............Southwestern Myotis
Myotis austroriparius.........Southeastern Myotis
Myotis californicus...........California Myotis
Myotis ciliolabrum...........Western Small-footed Myotis
Myotis evotis...................Long-eared Myotis
Myotis grisescens............Gray Myotis
Myotis keenii .................. Keen's Myotis
Myotis leibii .................. Eastern Small-footed Myotis
Myotis lucifugus ............... Little Brown Myotis
Myotis septentrionalis ........ Northern Myotis
Myotis sodalis ................ Indiana or Social Myotis
Myotis thysanodes ............. Fringed Myotis
Myotis velifer .................. Cave Myotis
Myotis volans .................. Long-legged Myotis
Myotis yumanensis ............ Yuma Myotis
Lasiurus borealis ............. Red Bat
Lasiurus cinereus ............. Hoary Bat
Lasiurus ega .................. Southern Yellow Bat
Lasiurus intermedius .......... Northern Yellow Bat
Lasiurus seminolus ............ Seminole Bat
Lasionycteris noctivagans .... Silver-haired Bat
Pipistrellus hesperus .......... Western Pipistrelle
Pipistrellus subflavus .......... Eastern Pipistrelle
Eptesicus fuscus ............. Big Brown Bat
Nycticeius humeralis .......... Evening Bat
Euderma maculatum .......... Spotted Bat
Plecotus rafinesquii .......... Rafinesque’s Big-eared Bat
Plecotus townsendii .......... Townsend’s Big-eared Bat
Idionycteris phyllotis ........ Allen’s Big-eared Bat
Antrozous pallidus ............ Pallid Bat

FAMILY MOLOSSIDAE—Molossid Bats
Tadarida brasiliensis .......... Brazilian Free-tailed Bat
Tadarida femorosacca .......... Pocketed Free-tailed Bat
Tadarida macrotis ............ Big Free-tailed Bat
Eumops glaucinus ............. Wagner’s Mastiff Bat
Eumops perotis ............... Western Mastiff Bat
Eumops underwoodi .......... Underwood’s Mastiff Bat

ORDER XENARTHRA—Xenarthrans
FAMILY DASYPODIDAE—Armadillos
Dasypus novemcinctus .......... Nine-banded Armadillo

ORDER LAGOMORPHA—Lagomorphs
FAMILY OCHOTONIDAE—Pikas
Ochotona collaris ............ Collared Pika
Ochotona princeps ............ Pika
FAMILY LEPORIDAE—Hares and Rabbits

*Brachylagus idahoensis*....Pygmy Rabbit
*Sylvilagus aquaticus*........Swamp Rabbit
*Sylvilagus audubonii*.......Desert Cottontail
*Sylvilagus bachmani*.......Brush Rabbit
*Sylvilagus floridanus*.......Eastern Cottontail
*Sylvilagus nuttallii*........Nuttall's or Mountain Cottontail
*Sylvilagus palustris*.......Marsh Rabbit
*Sylvilagus transitionalis*...New England Cottontail
*Oryctolagus cuniculus*......European Rabbit
*Lepus alleni*..................Antelope Jackrabbit
*Lepus americanus*...........Snowshoe Hare
*Lepus arcticus*............Arctic Hare
*Lepus californicus*.........Black-tailed Jackrabbit
*Lepus callotis*.............White-sided Jackrabbit
*Lepus capensis*.............Cape or European Hare
*Lepus othus*...............Alaska Hare
*Lepus townsendii*.........White-tailed Jackrabbit

ORDER RODENTIA—Rodents

FAMILY APLODONTIDAE—Mountain Beaver
*Aplodontia rufa*..............Mountain Beaver

FAMILY SCIURIDAE—Squirrels

*Tamias alpinus*.............Alpine Chipmunk
*Tamias amoenus*.............Yellow-pine Chipmunk
*Tamias canipes*.............Gray-footed Chipmunk
*Tamias cinereicollis*.......Gray-collared Chipmunk
*Tamias dorsalis*...........Cliff Chipmunk
*Tamias merriami*............Merriam's Chipmunk
*Tamias minimus*............Least Chipmunk
*Tamias obscurus*...........California Chipmunk
*Tamias palmeri*............Palmer's Chipmunk
*Tamias panamintinus*.......Panamint Chipmunk
*Tamias quadrivittatus*.....Long-eared Chipmunk
*Tamias quadrimaculatus*....Colorado Chipmunk
*Tamias ruficaudus*.........Red-tailed Chipmunk
*Tamias rufus*..............Hopi Chipmunk
*Tamias sonomae*............Sonoma Chipmunk
*Tamias speciosus*.........Lodgepole Chipmunk
*Tamias striatus*...........Eastern Chipmunk
*Tamias townsendii*........Townsend's Chipmunk
*Tamias umbrinus*...........Uinta Chipmunk
Marmota braweri..............Alaska Marmot
Marmota caligata.............Hoary Marmot
Marmota flaviventris.........Yellow-bellied Marmot
Marmota monax................Woodchuck
Marmota olympus.............Olympic Marmot
Marmota vancouverensis......Vancouver Marmot
Ammospermophilus
  harrisi..............Harris' Antelope Squirrel
Ammospermophilus
  interpres...........Texas Antelope Squirrel
Ammospermophilus
  leucurus.............White-tailed Antelope Squirrel
Ammospermophilus
  nelsoni...............Nelson's Antelope Squirrel
Spermophilus armatus........Uinta Ground Squirrel
Spermophilus beecheyi.......California Ground Squirrel
Spermophilus beldingi........Belding's Ground Squirrel
Spermophilus brunneus.......Idaho Ground Squirrel
Spermophilus
  columbianus..........Columbian Ground Squirrel
Spermophilus elegans.........Wyoming Ground Squirrel
Spermophilus franklinii.....Franklin's Ground Squirrel
Spermophilus lateralis.......Golden-mantled Ground Squirrel
Spermophilus mexicanus......Mexican Ground Squirrel
Spermophilus mohavensis....Mohave Ground Squirrel
Spermophilus parryii........Arctic Ground Squirrel
Spermophilus
  richardsonii.........Richardson's Ground Squirrel
Spermophilus saturatus......Cascade Golden-mantled Ground Squirrel
Spermophilus spilosoma.....Spotted Ground Squirrel
Spermophilus
  tereticaudus..........Round-tailed Ground Squirrel
Spermophilus townsendii.....Townsend's Ground Squirrel
Spermophilus
  tridecemlineatus.....Thirteen-lined Ground Squirrel
Spermophilus variegatus.....Rock Squirrel
Spermophilus
  washingtoni.........Washington Ground Squirrel
Cynomys gunnisoni.........Gunnison's Prairie Dog
Cynomys leucurus..........White-tailed Prairie Dog
Cynomys ludovicianus......Black-tailed Prairie Dog
Cynomys parvidens..........Utah Prairie Dog
Sciurus aberti................Abert's Squirrel
Sciurus arizonensis..........Arizona Gray Squirrel
Sciurus carolinensis.......Gray Squirrel
Sciurus griseus.............Western Gray Squirrel
Sciurus nayaritensis........Nayarit Squirrel
Sciurus niger................Fox Squirrel
Tamiasciurus douglasii.......Douglas' Squirrel
Tamiasciurus hudsonicus.....Red Squirrel
Glaucomys sabrinus..........Northern Flying Squirrel
Glaucomys volans............Southern Flying Squirrel

FAMILY GEOMYIDAE—Pocket Gophers
   Thomomys bottae...............Botta's Pocket Gopher
   Thomomys bulbivorus.........Camas Pocket Gopher
   Thomomys clusius...............Wyoming Pocket Gopher
   Thomomys idahoensis..........Idaho Pocket Gopher
   Thomomys mazama...............Western Pocket Gopher
   Thomomys monticola...........Mountain Pocket Gopher
   Thomomys talpoides............Northern Pocket Gopher
   Thomomys townsendii..........Townsend's Pocket Gopher
   Thomomys umbrinus............Southern Pocket Gopher
   Geomys attwateri...............Attwater’s Pocket Gopher
   Geomys breviceps...............Baird's Pocket Gopher
   Geomys bursarius...............Plains Pocket Gopher
   Geomys personatus.............Texas Pocket Gopher
   Geomys pinetis...............Southeastern Pocket Gopher
   Cratogeomys castanops.........Yellow-faced Pocket Gopher

FAMILY HETEROMYIDAE—Heteromyids
   Perognathus alticolus..........White-eared Pocket Mouse
   Perognathus amplius...........Arizona Pocket Mouse
   Perognathus fasciatus.........Olive-backed Pocket Mouse
   Perognathus flavescens........Plains Pocket Mouse
   Perognathus flavus...............Silky Pocket Mouse
   Perognathus inornatus.........San Joaquin Pocket Mouse
   Perognathus longimembris....Little Pocket Mouse
   Perognathus parus...........Great Basin Pocket Mouse
   Perognathus xanthonotus......Yellow-eared Pocket Mouse
   Chaetodipus baileyi...........Bailey's Pocket Mouse
   Chaetodipus californicus.....California Pocket Mouse
   Chaetodipus fallax.............San Diego Pocket Mouse
Chaetodipus formosus .... Long-tailed Pocket Mouse
Chaetodipus hispidus .... Hispid Pocket Mouse
Chaetodipus intermedius .... Rock Pocket Mouse
Chaetodipus nelsoni .... Nelson's Pocket Mouse
Chaetodipus penicillatus .... Desert Pocket Mouse
Chaetodipus spinatus .... Spiny Pocket Mouse
Microdipodops
    megacephalus .... Dark Kangaroo Mouse
    pallidus .... Pale Kangaroo Mouse
Dipodomys agilis .... Agile Kangaroo Rat
Dipodomys californicus .... California Kangaroo Rat
Dipodomys compactus .... Gulf Coast Kangaroo Rat
Dipodomys deserti .... Desert Kangaroo Rat
Dipodomys elator .... Texas Kangaroo Rat
Dipodomys elephantinus .... Big-eared Kangaroo Rat
Dipodomys heermanni .... Heermann's Kangaroo Rat
Dipodomys ingens .... Giant Kangaroo Rat
Dipodomys merriami .... Merriam's Kangaroo Rat
Dipodomys microps .... Chisel-toothed Kangaroo Rat
Dipodomys nitratoides .... Fresno Kangaroo Rat
Dipodomys ordii .... Ord's Kangaroo Rat
Dipodomys panamintinus .... Panamint Kangaroo Rat
Dipodomys spectabilis .... Banner-tailed Kangaroo Rat
Dipodomys stephensi .... Stephens' Kangaroo Rat
Dipodomys venustus .... Narrow-faced Kangaroo Rat
Liomys irroratus .... Mexican Spiny Pocket Mouse

FAMILY CASTORIDAE—Beavers
    Castor canadensis .... Beaver

FAMILY CRICETIDAE—Cricetids
    Oryzomys argenita .... Key Rice Rat
    Oryzomys couesi .... Coues' Rice Rat
    Oryzomys palustris .... Marsh Rice Rat
    Reithrodonomys
        fulvescens .... Fulvous Harvest Mouse
        humulis .... Eastern Harvest Mouse
    Reithrodonomys
        megalotis .... Western Harvest Mouse
    Reithrodonomys
        montanus .... Plains Harvest Mouse
    Reithrodonomys
        raviventris .... Salt-marsh Harvest Mouse
    Peromyscus attwateri .... Texas Mouse
Peromyscus boylii..............Brush Mouse
Peromyscus californicus........California Mouse
Peromyscus crinitus.............Canyon Mouse
Peromyscus difficilis...........Rock Mouse
Peromyscus eremicus............Cactus Mouse
Peromyscus gratus..............Osgood's Mouse
Peromyscus gossypinus..........Cotton Mouse
Peromyscus leucopus............White-footed Mouse
Peromyscus maniculatus........Deer Mouse
Peromyscus melanotis...........Black-eared Mouse
Peromyscus oeras...............Columbian Mouse
Peromyscus merriami.............Merriam's Mouse
Peromyscus pectoralis...........White-ankled Mouse
Peromyscus polionotus..........Oldfield Mouse
Peromyscus sitkensis...........Sitka Mouse
Peromyscus truei...............Piñon Mouse
Podomys floridanus.............Florida Mouse
Ochrotomys nuttalli............Golden Mouse
Baiomys taylori................Northern Pygmy Mouse
Onychomys arenicola.............Mearns' Grasshopper Mouse
Onychomys leucogaster..........Northern Grasshopper Mouse
Onychomys torridus.............Southern Grasshopper Mouse
Sigmodon arizonae...............Arizona Cotton Rat
Sigmodon fulviventer..........Tawny-bellied Cotton Rat
Sigmodon hispidus...............Hispid Cotton Rat
Sigmodon ochrognathus.........Yellow-nosed Cotton Rat
Neotoma albigula...............White-throated Woodrat
Neotoma cinerea................Bushy-tailed Woodrat
Neotoma devia..................Arizona Woodrat
Neotoma floridana.............Eastern Woodrat
Neotoma fuscipes..............Dusky-footed Woodrat
Neotoma lepida..................Desert Woodrat
Neotoma mexicana...............Mexican Woodrat
Neotoma micropus...............Southern Plains Woodrat
Neotoma stephensi...............Stephens' Woodrat
Clethrionomys
  californicus..................Western Red-backed Vole
Clethrionomys gapperi..........Southern Red-backed Vole
Clethrionomys rutilus..........Northern Red-backed Vole
Phenacomys albipes.............White-footed Vole
Phenacomys intermedius.......Heather Vole
Phenacomys longicaudus........Red Tree Vole
Microtus abbreviatus.................Insular Vole
Microtus californicus..............California Vole
Microtus canicaudus...............Gray-tailed Vole
Microtus chrotorrhinus...........Rock Vole
Microtus longicaudus...............Long-tailed Vole
Microtus mexicanus..............Mexican Vole
Microtus miurus................Singing Vole
Microtus montanus.................Montane Vole
Microtus oregoni...............Creeping Vole
Microtus pennsylvanicus........Meadow Vole
Microtus pinetorum...............Woodland Vole
Microtus richardsoni............Water Vole
Microtus townsendii............Townsend’s Vole
Microtus xanthognathus...........Yellow-cheeked or Taiga Vole
Lemmiscus curtatus...............Sagebrush Vole
Neofiber alleni................Round-tailed Muskrat
Ondatra zibethicus...............Musk rat
Lemmus sibiricus...............Brown Lemming
Synaptomys borealis..............Northern Bog Lemming
Synaptomys cooperi...............Southern Bog Lemming
Dicrostonyx exsul..............St. Lawrence Island Collared Lemming
Dicrostonyx groenlandicus........Peary Land Collared Lemming
Dicrostonyx hudsonius.............Labrador Collared Lemming
Dicrostonyx nelsoni...............Nelson’s Collared Lemming
Dicrostonyx richardsoni........Richardson’s Collared Lemming
Dicrostonyx rubricatus...........Bering Collared Lemming
Dicrostonyx stevensoni........Stevenson’s Collared Lemming

FAMILY MURIDAE—Murids
Rattus norvegicus*..............Norway Rat
Rattus rattus*..................Black Rat
Mus musculus*..................House Mouse

FAMILY ZAPODIDAE—Jumping Mice
Zapus hudsonius.............Meadow Jumping Mouse
Zapus princeps.................Western Jumping Mouse
Zapus trinotatus..............Pacific Jumping Mouse
Napaeozapus insignis........Woodland Jumping Mouse

FAMILY ERETHIZONTIDAE—New World Porcupines
Erethizon dorsatum...........Porcupine
FAMILY MYOCASTORIDAE—Myocastoridae
  *Myocastor coypus*...........Nutria

ORDER CARNIVORA—Carnivores

FAMILY CANIDAE—Canids
  *Canis latrans*..............Coyote
  *Canis lupus*................Gray Wolf
  *Canis rufus*................Red Wolf
  *Alopex lagopus*.............Arctic Fox
  *Vulpes macrotis*...........Kit Fox
  *Vulpes velox*..............Swift Fox
  *Vulpes vulpes*.............Red Fox
  *Urocyon cinereoargenteus*..Gray Fox
  *Urocyon littoralis*.........Channel Islands Gray Fox

FAMILY URSIDAE—Bears
  *Ursus americanus*..........Black Bear
  *Ursus arctos*...............Grizzly or Brown Bear
  *Ursus maritimus*...........Polar Bear

FAMILY OTARIIDAE—Eared Seals
  *Callorhinus ursinus*.......Northern Fur Seal
  *Arctocephalus townsendi*..Guadalupe Fur Seal
  *Eumetopias jubatus*.......Northern Sea Lion
  *Zalophus californianus*....California Sea Lion

FAMILY ODOBENIDAE—Walrus
  *Odobenus rosmarus*.........Walrus

FAMILY PROCYONIDAE—Procyonids
  *Bassariscus astutus*.......Ringtail
  *Procyon lotor*.............Raccoon
  *Nasua nasua*...............Coati

FAMILY MUSTELIDAE—Mustelids
  *Martes americana*.........Marten
  *Martes pennanti*..........Fisher
  *Mustela erminea*..........Ermine
  *Mustela frenata*..........Long-tailed Weasel
  *Mustela nigripes*........Black-footed Ferret
  *Mustela nivalis*..........Least Weasel
  *Mustela vison*.............Mink
  *Gulo gulo*...............Wolverine
  *Taxidea taxus*.............Badger
  *Spilogale gracilis*.......Western Spotted Skunk
Spilogale putorius..........Eastern Spotted Skunk
Mephitis macroura..........Hooded Skunk
Mephitis mephitis..........Striped Skunk
Conopatus leuconotus..........Eastern Hog-nosed Skunk
Conopatus mesoleucus..........Hog-nosed Skunk
Lutra canadensis..........River Otter
Enhydra lutris..........Sea Otter

FAMILY PHOCIDAE—Hair Seals
Phoca largha..............Spotted Seal
Phoca vitulina............Harbor Seal
Pusa hispida..............Ringed Seal
Halichoerus grypus........Gray Seal
Pagophilus groenlandicus...Harp Seal
Histriophoca fasciata......Ribbon Seal
Erignathus barbatus........Bearded Seal
Cystophora cristata........Hooded Seal
Monachus tropicalis........West Indian Monk Seal
Mirounga angustirostris.....Northern Elephant Seal

FAMILY FELIDAE—Cats
Felis concolor...........Mountain Lion
Felis lynx.................Lynx
Felis onca...............Jaguar
Felis pardalis...........Ocelot
Felis rufus............Bobcat
Felis wiedii...........Margay
Felis yagouaroundi.........Jaguarundi

ORDER CETACEA—Whales

FAMILY ESCHRICHTIIDAE—Gray Whale
Eschrichtius robustus......Gray Whale

FAMILY BALAENOPTERIDAE—Rorquals
Balaenoptera
   acutorostrata.............Minke Whale
Balaenoptera borealis.......Sei Whale
Balaenoptera edeni..........Bryde's Whale
Balaenoptera musculus.......Blue Whale
Balaenoptera physalus......Fin Whale
Megaptera novaeangliae......Humpback Whale

FAMILY BALAENIDAE—Right Whales
Balaena glacialis..........Black Right Whale
Balaena mysticetus..........Bowhead Whale
FAMILY MONODONTIDAE—Monodontids
  *Delphinapterus leucas*........White Whale or Beluga
  *Monodon monoceros*.........Narwhal

FAMILY DELPHINIDAE—Delphinids
  *Steno bredanensis*.........Rough-toothed Dolphin
  *Tursiops truncatus*........Bottle-nosed Dolphin
  *Stenella attenuata*........Pantropical Spotted Dolphin
  *Stenella clymene*..........Short-snouted Spinner Dolphin
  *Stenella coeruleoalba*.....Striped Dolphin
  *Stenella frontalis*........Atlantic Spotted Dolphin
  *Stenella longirostris*.....Long-snouted Spinner Dolphin
  *Delphinus delphis*........Saddle-backed Dolphin
  *Lagenodelphis hosei*.......Fraser’s Dolphin
  *Lagenorhynchus acutus*.....Atlantic White-sided Dolphin
  *Lagenorhynchus albirostris*........White-beaked Dolphin
  *Lagenorhynchus obliquidens*.......Pacific White-sided Dolphin
  *Grampus griseus*...........Risso’s Dolphin or Grampus
  *Feresa attenuata*..........Pygmy Killer Whale
  *Pseudorca crassidens*......False Killer Whale
  *Globicephala macrorhynchus*........Short-finned Pilot Whale
  *Globicephala melas*.........Long-finned Pilot Whale
  *Orcinus orca*..............Killer Whale
  *Lissodelphis borealis*.....Northern Right-whale Dolphin

FAMILY PHOCOENIDAE—Porpoises
  *Phocoena phocoena*.........Harbor Porpoise
  *Phocoenoides dalli*........Dall’s Porpoise

FAMILY ZIPHIIDAE—Beaked Whales
  *Berardius bairdii*.........North Pacific Bottle-nosed Whale
  *Ziphius cavirostris*........Goose-beaked Whale
  *Hyperoodon ampullatus*.....North Atlantic Bottle-nosed Whale
  *Mesoplodon bidens*.........North Atlantic Beaked Whale
  *Mesoplodon carlhubbsi*......Arch-beaked Whale
  *Mesoplodon densirostris*....Dense-beaked Whale
  *Mesoplodon europaeus*......Gervais’ Beaked Whale
  *Mesoplodon ginkgodens*.....Ginkgo-toothed Whale
  *Mesoplodon hectori*........Hector’s Beaked Whale
Mesoplodon mirus..........True's Beaked Whale
Mesoplodon stejnegeri......Bering Sea Beaked Whale

FAMILY KOGIIDAE—Pygmy Sperm Whales
Kogia breviceps..............Pygmy Sperm Whale
Kogia simus..................Dwarf Sperm Whale

FAMILY PHYSETERIDAE—Sperm Whales
Physeter macrocephalus......Sperm Whale

ORDER SIRENIA—Sea Cows
FAMILY TRICHECHIDAE—Manatees
Trichechus manatus..........Manatee

ORDER ARTIODACTYLA—Even-toed Ungulates
FAMILY SUIDAE—Pigs
Sus scrofa*..................Wild Pig

FAMILY TAYASSUIDAE—Peccaries
Tayassu tajacu................Collared Peccary

FAMILY CERVIDAE—Cervids
Cervus axis*..................Axis Deer
Cervus dama*..................Fallow Deer
Cervus elaphus.................Wapiti or Elk
Cervus nippon*.................Sika Deer
Odocoileus hemionus.........Mule or Black-tailed Deer
Odocoileus virginianus.......White-tailed Deer
Alces alces..................Moose
Rangifer tarandus.............Caribou

FAMILY ANTILOCAPRIDAE—Pronghorn
Antilocapra americana.......Pronghorn

FAMILY BOVIDAE—Bovids
Boselaphus tragocamelus*...Nilgai
Bison bison....................Bison
Antilope cervicapra*.........Blackbuck
Oreamnos americanus........Mountain Goat
Ovis moschatus...............Muskox
Ovis canadensis..............Mountain Sheep
Ovis dalli.....................Dall's Sheep
Ammotragus lervia*............Barbary Sheep
LITERATURE CITED


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