Animal Index

This index is organized primarily by common names as well as orders and families. Scientific names are given where specific species are meant rather than the generic term for a group of animals such as bears, bushbabies, or barnacles. The latter are also used for most groups for which data on play are not given in this book. For species lacking well-known or accepted common names the scientific names are listed under the major group (e.g., cockroaches)

Aardvark (ant bear, *Orycteropus afer*), 193, 197
Acipenseridae (sturgeons), 354, 355
Actinopterygii (ray-finned fishes), 184, 354, 381
African elephant (*Loxodonta africana*), 57. *See also* Elephants
African grey parrot (*Psittacus erithacus*), 255, 266–267
Alethinophidia (Serpentes), 290
Alligators, 277, 278, 281–306
American alligator (*Alligator mississippiensis*), 282–283
American lobster (*Homarus americanus*), 369–370. *See also* Lobster
Amphibia, 309–312, 354
Amphisbaenians, 278
Anacondas (Boidae), 340
Anchovies (Engraulidea), 356
Anemones (Cnidaria), 378
Anglers (Lophiiformes), 356
Anguilliformes (eels), 356
Anis, 270
Annelida, (earthworms, leeches), 378
Anoles (*Anolis agassizi*), 283
Anseriformes, 263, 270, 273, 275
Antbirds, 271
Anteaters, 192, 195, 216
 giant (*Myrmecophaga tridactyla*), 195
Antelope, 122, 192, 200
 pronghorn (*Antilocapra americana*), 154
Ants (*Formica* sp.), 4, 26, 45, 195, 197, 227, 236, 268, 269, 297, 309, 360–362, 376, 378, 379
 army (*Eiciton drepanophora*), 363
Anura. *See* Frogs
Apes, 10, 15, 40, 63, 84, 101, 104, 107, 140, 172, 192, 193, 227, 254, 290. *See also individual species*
Arachnida (spiders, mites), 378
Arboreal possum (*Dactylopsila trivirata*), 227
Archosauria, 243, 273, 278–281
Armadillos, 193, 195
 long-nosed (*Dasypus novemcinctus*), 195
Army ant (*Eiciton drepanophora*), 361
Artiodactyla, 192, 193, 200, 209. *See also* Antelope; Camels; Deer; Giraffes; Hippopatamus
Asian watersnakes (homolopsines), 290
Atherinidae (silversides), 321, 356
Atlantic herring (*Clupea harengus*), 321

Australian frill-necked lizards (*Chlamydosaurus kingii*), 289
Australian magpies (*Gymnorhina tibicen*), 246, 251, 257, 258
Australian wood cockroaches (*Shawella couloniana*), 364
Aves. *See* Birds; *individual species*

Baboons
(*Papio anubis*), 123, 138, 139, 157, 201, 251
(*Papio hamadryas*), 138, 139, 157, 201, 251
Badger, 108
Bandicoots, 216
(Isoodon obesulus), 218
Bank vole (*Clethrionomys glareolus*), 178
Barbary sheep (*Ammotragus lervia*), 80
Barbets, 270
Barnacles, 357
Basses (Percoidei), 359
Bats, 191, 193, 194, 197–199, 212, 214, 240, 332
Beardfishes (Polymyxiiformes), 356
Bears (Ursidae), 63, 86, 88, 89, 161, 192, 193, 197, 205, 207, 225, 232, 287, 293, 340, 352, 363, 401. *See also individual species*
Beavers (*Castor canadensis*), 123, 192
Bee-eaters, 270
Bees (Insecta), *See* Honeybees
Beetles (Insecta), 249, 268, 378
Beloniformes, 318–321, 356. *See also* Needlefishes; Halfbeaks; Flyingfishes
Beluga whale (*Delphinapterus leucas*), 85
Bichirs (Cladistia), 354, 355
Bighorn sheep (*Ovis canadensis*), 211
Bilbies, 216
Birds (Aves), 14, 28, 31, 45, 50, 59, 63, 99, 104, 108, 117, 119, 126, 128, 130, 144, 145, 152, 154, 169, 170, 171, 172, 174, 175, 184, 228, 230, 243–276, 277, 278, 279, 280, 281, 282, 290, 293, 297, 307, 308, 309, 312, 313, 314, 328, 333, 339, 346, 347, 350, 357, 363, 365, 368, 373, 381, 384, 397. *See also individual species*
Black bear (*Ursus americanus*), 46, 72, 73, 88, 89, 92–94, 96, 140, 161, 207
Black vultures, 255
Black-billed magpies (*Pica pica*), 251, 258
Blacktip sharks (*Carcharhinus limbatus*), 325–326
Blennioidei (blennies), 356
Blind snakes (Scolecophidia), 290
Boas (Boidae), 290
Bonobo (*Pan paniscus*), ii, 108
Bonytongue (Osteoglossidae), 356
Bottlenose dolphin (*Tursiops truncatus*), 85
Bowfin (*Amia*), 354, 355
Brachiopoda (lamp shells), 378
Brown bears (*Ursus arctos*), 88
Brown bullheads (*Ameiurus nebulosus*), 348
Bryozoa (bryozoans), 378
Bucerotiformes, 270, 275
Bullfrogs (*Rana catesbeiana*), 309
Bush dog (*Speothos venaticus*), 207–209, 261
Bushbabies, 289
Bushy-tailed opossums, 216
Bustards, 271
Butterflies, 357
Button quails, 270
Buzzards (*Buteo buteo*), 258

Caecilians, 309
California sea lions (*Zalophus californianus*), 160–161
Camels, 192
Canaries (Serinus canarius), 62
Canids, *See* dogs, foxes, wolves, etc.
Capuchin monkey (*Cebus olivaceus*). *See* Cebus monkeys
Caribou (*Rangifer tardanus*), 209–210
Carnivora, 192, 193, 200. *See also individual species*
Carp (Cypriniformes), 315, 320, 325, 354, 356
Cassowaries, 270, 273
Caterpillars, 383
Catfishes (Siluriformes), 356
Cats (*Felis domesticus*) 10, 15, 24, 25, 29, 47,

58, 63, 67, 68, 71, 74, 78, 79, 87, 88, 101, 108, 115, 116, 123, 124, 125, 126, 131, 132, 137, 146, 154, 158, 159, 163, 173, 187, 188, 200, 209, 213, 215, 216, 226, 231, 249, 283, 287, 321, 329, 336, 342, 355, 362, 385, 386, 401–403. *See also individual species* (other felids such as lions, jaguars, etc.)
Cebus (Capuchin) monkeys (*Cebus*), 150, 352
Cebus apella, 351
Cebus olivaceus, 157–158
Centipedes (Myriapoda), 378
Cephalopods. *See* Octopuses
Cetacea. *See* Dolphins; Porpoises; Whales
Chameleons, 306
Characiformes, 356
Cheetahs (*Acinonyx jubatus*), 122, 123
Chelonia. *See* Turtles
Chicken turtle (*Dierochelys reticulata*), 300, 301
Chickens (*Gallus gallus domesticus*), 62, 178, 231, 249, 263, 264, 268, 270, 273, 275, 386
Chimpanzees (*Pan troglodytes*), 85, 86, 88, 99, 100, 105, 107, 122, 125, 142, 201, 230, 289, 359, 386, 387. *See also* Bonobo
Chiroptera, 192. *See also* Bats
Chondrichthyes, 184, 340, 354, 384. *See also* Sharks; Rays; Skates
Chordata, 378. *See also* Tunicates; Lancelets
Cichlid fish (Cichlidae), 335–339, 344–347, 348, 350, 354, 356
mouth-brooding cichlid (*Astatptilapia desfontainesi*), 317, 336
Midas (*Chichlasoma citrinellum*), 347–348
orange chromide (*Etroplus maculatus*), 336, 346
Juliochromis marlieri, 346
Labeotropheus sp., 344
Pelmatochromis guentheri, 345
Pterophylum scalare, 346
Tropheus duboisi, 337, 344
Tropheus moorii, 337
Ciconiiformes, 246, 271, 275
Cladistia, 354, 355
Clams, 248, 359, 373
Clupeidae (sardines, herrings), 321–329, 356
Cnidaria, 378
Cobras, 290, 293
Cockatoos, 255
Cockroaches, 365–367
Cryptocerus punctulatus, 366
Nauphoeta cinera, 366–367
Periplaneta americana, 366
Shawella coulonaina, 366
Cod (Gadiformes), 356
Coelacanth (*Latimeria*), 184, 310, 313, 353, 354, 384,
Coho salmon (Oncorhynchus kisutch), 348, 349
Coliiformes, 270
Collared peccaries (*Tayassu tajacu*), 80
Colubroidea (Serpentes, advanced snakes), 290–293
Columbiformes, 263, 271, 275
Comb jellies (Ctenophora), 378
Common buzzard (*Buteo buteo*), 258
Condors (*vultur gryphus*), 157
Cooters (*Pseudemys*), 302
Coots, 271
Coraciiformes (motmots), 275
Coral (Cnidaria), 378
Cormorants, 248
Corsican blue tit (*Parus caeruleus*), 272
Corvidae (crows, jays, magpies, ravens), 269. *See also individual species*
Coucals, 270
Cowbirds, 264
Cows, 4, 41, 62, 85, 192, 264
calves, 61, 63, 64, 247
Coyotes (*Canis latrans*), 92, 178, 207
Crab-eating fox (*Cerdocyon thous*), 207–209
Crabs (Crustacea), 24, 207–209, 290, 357, 376, 378
fiddler (*Uca*), 75, 369–370, 377
Craciformes, 270, 275
Cranes, 25, 271, 275
Crayfish, 357
Crestfishes (Lampridiformes), 356

Crocodiles (Crocodylia), 184, 243, 273, 278–280, 282, 381
Crocodylia (crocodilians: crocodiles, alligators, gavials), 279–283. *See also individual groups and species*
Crows, 188, 246, 251, 263, 266, 271
 hooded (*Corvus corone*), 258
Crustacea, 378. *See also* Crabs; Lobsters; Stomatopods
Ctenophora (comb jellies), 378
Cuban crocodile (*Crocodylus rhombifer*), 283
Cuckoos, 270
Cuculiformes, 270
Cuscuses, 217
Cuttlefish (Cephalopoda), 373
Cypriniformes (minnows, carp), 356

Damselfishes (Labroidei), 356
 Acanthochromis polyacanthus, 347
Darters (Percoidei), 356
Dart poison frogs (Dendrobatidae)
 blue (*Dendrobates azureus*), 310
 green (*Dendrobates auratus*), 310
Dasyuridae (dasyurids), 216, 218, 219, 220, 224, 227, 229, 231, 275. *See also individual species*
Deer, 24, 37, 133, 192, 193, 200, 215, 225, 255, 315
 mule (or black-tailed) deer (*Odocoileus hemionus*), 210
 red (*Cervus elaphus*), 303
 white-tailed (*Odocoileus virginianus*), 209, 210
Dermoptera (flying lemurs), 192, 193, 197
Didelphidae (oppossums), 220, 225–226, 232, 237. *See specific species*
Dinosaurs, 21, 191, 235, 243, 278, 280–281, 290, 365
Dipnoi (lungfishes), 184, 354, 384
Dogs. *See also other individual species*
 domestic (*Canis domesticus*) 5, 10, 24, 26, 30, 47, 57, 72, 73, 84, 87–92, 100, 101, 138, 146, 174, 177–179, 184, 187, 192, 207–209, 213, 239, 259, 285, 298, 340, 343, 344, 362, 364, 380, 386
Dolphins, 154, 157, 193, 200, 328, 339, 340
 bottlenose (*Tursiops truncatus*), 85
Dories (Zeiformes), 356
Doves, 245, 263, 271
Duckbilled platypus. *See* Platypus
Ducks, 263, 270, 273, 275
Dugongs, 192
Dwarf caimans (*Paleosuchus palpebrosus*), 283
Dwarf hedgehogs (*Hemeichinus albiventris*), 196

Eagles, 248
Earthworms (Annelida), 356, 357, 378
Echidna (*Tachyglossus, Zaglossus*), 236–237, 240
Echinodermata (Sea urchins, Sea stars), 376
Eels (Anguilliformes), 356
Elasmobranchii, 355
Electric eels (Apteronotidae, *Sternarchorhynchus*), 352
Elephantfishes (Mormyridae), 330–335, 351–352, 355, 356
 elephantsnout [tapir trunk] (*Mormyrus kannume*), 331–333
 elephantnose (*Gnathonemus petersii*), 330, 331, 334, 335, 342
 Petrocephalus sp., 331
Elephants (Proboscidae), 57, 107, 193, 194, 197, 199, 200, 212, 287, 352
Elephant shrews (Macroscelidea), 196
Elopiformes (tarpon), 356
Emus, 270, 273, 275
Emydidae (freshwater turtles), 306
Engraulidea (anchovies), 356
Eoaves, 270
Escociformes (pike), 356
Eurasian kestrel (*Falco tinnunculus*), 258

Fathead minnows (*Pimephales promelas*), 323
Fat-tailed dunnart (*Sminthopsis crassicaudata*), 218, 227

Fence lizards (*Sceloporus undulatus*), 289–290, 306
Fiddler crabs (*Uca*), 75, 369–371, 377
Fireflies, 361
Fishes, 313–357
Flatfishes (Pleuronectiformes), 356
Flatworms (Platyhelminthes), 378
Florida redbelly (cooter) turtle (*Pseudemys nelsoni*), 300, 303, 304
Flounder (Pleuronectiformes), 356
Flying fish (flyingfishes, Beloniformes), 315, 318, 321, 326, 355, 356
Flying lemurs (Cynocephalidae), 193, 197, 356
Foxes, 205, 215, 389
 crab-eating (*Cerdocyon thous*), 207, 208, 209
 red (*Vulpes vulpes*), 100, 101,
 silver (*Vulpes vulpes*), 143, 178, 179
Frog-eyed geckos (*Teratoscinus przewalskii*), 307
Frogmouths, 271
Frogs (Amphibia), 134, 174, 184, 307, 312, 313, 332, 339, 368, 384. *See also individual species*
Fur seals (*Arctocephalus australis*), 122

Gadiformes (cod), 356
Galagos (Galaginae), 162, 192, 230
Galbuliformes, 270
Galliformes, 263, 270, 273, 275
Gallinules, 271
Garfish (*Lepisosteus*), 317, 354, 355
Gartersnakes (*Thamnophis*), 40, 173
 Thamnophis sirtalis, 40
Gasterosteiformes (sticklebacks, seahorses), 356
Gavials, 278, 280
Geese, 263, 270, 273, 275
 graylag (*Anser anser*), 156
Gerbils, 192
Giant anteaters (*Myrmecophaga tridactyla*), 195
Ginglymodi (garfishes), 354, 355
Giraffes, 192, 193
Goats, 103, 133, 215
Gobies (Gobioidei), 351–352, 356
Golden lion tamarins (*Leontopithecus rosalia*), 123
Goldfish, 325
Gopher snake (*Pituophis catenifer*), 291
Gorilla (*Gorilla gorilla gorilla*), 52, 108, 287
Gourami (*Beta anabatoides*), 343
Grasshopper mice (*Onychomys leucogaster*), 137
Gray kangaroos
 Eastern (*Macropus giganteus*), 221–222
 Western (*Macropus fulginosus*), 218
Gray short-tailed (mouse) opossum (*Monodelphis domestica*), 220, 225, 226
Gray squirrels (*Scurius carolinensis*), 203
Gray whales, 325
Graylag geese (*Anser anser*), 156
Great blue shark (*Prionace glauca*), 325
Great white shark (*Charcharodon carcharius*), 339–342
Green iguanas (*Iguana iguana*), 284, 289, 290
Green turtles (*Chelonia mydas*), 296, 306
Grosbeaks
 pine (*Pinicolae nucleator*), 258
Ground squirrel
 Richardson's (*Spermophilus richardsonii*), 138, 162
 Beldings (*Spermophilus beldingi*), 158, 175–176, 203
Gruiformes, 271, 275
Guans, 270
Guinea fowl, 270
Guinea pigs, 231
Gulls, 248, 271
Gulpers (Saccopharyngiformes), 356

Hagfish (Myxinoidea), 184, 354, 357, 384
Hairy-nosed wombats (*Lasiorhinus latifrons*), 218, 220
Halecomorphi (bowfin), 354, 355
Halfbeaks (*Hemiramphidae brasiliensis*, Hyporhamphus unifasciatus), 321, 357
Harbor seals (*Phoca vitulina*), 152
Hares, 24, 192, 193, 196, 197
Hawks, 114, 248, 249, 271, 297

Hedgehogs (*Erinsceus europaeus*), 192, 196, 237
dwarf (*Hemeichinus albiventris*), 196
Hermits, 271
Herring gulls (*Larus argentatus*), 246, 248–249
Herrings (Clupeidae), 356
Atlantic (*Clupea harengus*), 321
Hippopotomus, 192
Hoatzen, 270
Honeybees (*Apis mellifera*), 356, 364–365
Honey possums, 217
Honeyguides, 270
Hooded crow (*Corvus corone*), 258
Hornbills, 248, 270, 275
Horses (*Equus caballus*), 15–20, 24, 62, 83–85, 100, 143, 193, 200, 213, 225, 264, 315
colts, 18, 247, 276, 297
Przewalski's, 18
Houseflies, 361
Howling monkey (*Alouatta palliata*), 125
Humans (*Homo sapiens*), 6, 25, 47, 69, 98, 135, 138, 139, 146, 172, 178, 185, 192, 214, 282, 286, 340, 366, 393, 401
adult, 8, 15, 30, 38, 52, 68, 70, 73, 76, 77, 85, 92, 93, 102, 113, 117, 118, 121, 123, 127, 128, 132, 142, 143, 147, 149, 152, 156, 161, 164, 165–170, 174, 196, 197, 201, 203, 205, 207, 208, 210, 211, 215, 220, 222–224, 226–228, 230, 236, 238, 239, 245, 246, 250, 252, 257–259, 261–264, 268, 273, 284, 289, 287, 291–293, 296–305, 309, 310, 312, 317, 336, 338, 339, 344–346, 348, 352, 355, 359, 364, 366, 369, 370, 387–389, 391, 398
behavior, 5, 24, 45, 81, 86, 361, 383
children, 3, 8, 10, 14, 22, 26, 31, 32, 36, 38, 39, 40, 41–43, 51, 67–69, 76, 77, 84, 85, 88–90, 96, 99, 100, 102, 103, 109, 113, 114, 116–118, 122, 129, 131, 160, 163, 165, 207, 292, 317, 319, 329, 386–389, 398, 403, 404
language, 4, 19, 23, 34, 40, 66, 81, 90, 104, 105, 115, 130, 244, 265–267, 391, 393, 395, 396, 402
play, 5, 7, 9, 25, 31, 33, 35, 74, 83, 87, 97, 101, 102, 103, 104, 106, 122, 138, 140, 164, 385
Hummingbirds, 271
Anna's (*Calypte anna*), 247
Hyenas, 192
spotted (*Crocuta crocuta*), 162–163
Hyracoidea, 193, 198
Hyrax, 192, 193
Dendrohyrax dorsalis, 88
Heterohyrax brucei, 198

Iguanas
desert (*Dipsosaurus dorsalis*), 307
green (*Iguana iguana*), 284, 289, 290,
marine (*Amblyrhynchus cristatus*), 290
Indian starling (*Acridotheres tristis*), 254
Insecta, 376. *See also* Ants; Honeybees; Cockroaches; etc.
Insectivora, 199. *See also* Hedgehogs; Shrews; Tenrecs
Invertebrate orders, 378

Jacamars, 270
Jackdaws (*Coloeus monedula*), 245
Jaguar (*Panthera onca*), 25, 153
Japanese macaques (*Macaca fuscata*), 102
Jawfishes (Opistognathidae), 339, 356
Jawless fish (Agnatha), 357
Jays, 246, 251
Jellies (Cnidaria), 378

Kaka (*Nestor meridionalis*), 257, 261
Kangaroos (Macropodidae), 107, 184, 214, 215, 224, 230, 233, 236, 275, 384. *See also individual species*
Keas (*Nestor notabilis*), 246, 255–257, 260–262
Kingfisher, 250, 270
Kiwis, 270
Koala (*Phascolarctos cinereus*), 214, 216, 229
Komodo dragon (*Varanus komodoensis*), 284–289, 298, 306, 351
Komodo monitor. *See* Komodo dragon
Kookaburras (*Dacelo novaeguineae*), 250, 270

Labroidei, 356. *See also* Cichlids; Damselfishes
Lagomorpha, 199. *See also* Hares; Pikas; Rabbits
Lamp shells (Brachiopoda), 376
Lamprey eels (Hyperoartia, Petromyzontidae), 184, 354, 357, 384
Lampridiformes (Oarfishes, Crestfishes), 356
Lancelets (Chordata), 378
Langur monkeys (*Presbytis entellus*), 158
Latimeria. *See* Coelacanth, 184, 310, 354, 384
Leopard frog (*Rana pipiens*), 310
Leeches (Annelida), 297, 320, 378
Lemurs, 63, 192, 201, 215
Lepidosauria, 184, 384
Lions (*Panthera leo*), 28, 71, 107, 122, 153, 160, 192, 193, 391
Lizards, 168–170, 172, 184, 230, 231, 237, 243, 250, 278, 280–290, 295, 304–307, 381, 384. *See also individual species and groups*
Lobster (Crustacea), 371–372, 378, 387
Loggerhead turtle (*Caretta caretta*), 298
Long-nosed armadillo (*Dasypus novemcinctus*), 195
Lophiiformes (anglers), 356
Lories, 255
Lungfish (Dipnoi), 184, 310, 354, 355, 384

Macaque monkeys (*Macaca*), 162
 Japanese (*Macaca fuscata*), 102
 pig-tailed (*Macaca nemestrina*), 393–394
 Rhesus (*Macaca mulatta*), 85
Macaws, 246, 255, 270
Macroscelidea (elephant shrews), 192, 193, 196, 212
Macrostomata (Serpentes), 290
Magpies, 25, 271, 383
 Australian (*Gymnorhina tibicen*), 246, 251, 257, 258
 black-billed (*Pica pica*), 251, 258
Mako sharks (*Isurus oxyrinchus*), 325
Mambas, 293
Manatees, 193, 313
Maned wolf (*Chrysocyon brachyurus*), 207–209
Mantis shrimp. *See* Stomatopods
Map turtles (*Graptemys*), 302
Marbled polecat (*Varmela peregusna syriaca*), 231
Marmosets, 123, 192, 230
Marsupials, 184, 213–233, 235–238, 240, 241, 274, 275, 356, 379, 381. *See also* individual species
Meercats (*Suricata suricatta*), 124, 158
Megapodes (Craciformes), 270, 273, 275, 281
Mice (house, laboratory, domesticated, *Mus musculus*), 10, 63, 64, 67, 71, 86–88, 100, 101, 114, 126, 131, 137, 143, 144, 154, 173, 175, 193, 205, 226, 227, 231, 302, 329, 336, 384, 385, 389, 402
 grasshopper, 137
 marsupial (*Antechinus stuartii*), 219
 Pseudemys, 205
Millipedes (Myriapoda), 268, 272, 376
Mink (*Mustela vison*), 143–144
Minnows (Cypriniformes), 356
 fathead (*Pimephales promelas*), 323
Molas (Tetraodontiformes), 356
Moles, 192
Mollusks, 330, 370, 372, 378. *See also* Snails; Clams; Octopus
Mongooses (*Helogale undulata rufula*), 137, 192, 231
Monitors (lizards, *Varanus*), 280, 284–289, 290, 293. *See also* Komodo dragon
Monkeys, 5, 10, 25, 31, 47, 53, 57, 59, 63, 71, 77, 84, 85, 87, 88, 92, 99, 100, 102, 108, 141, 165, 184, 188, 192, 193, 211, 213, 225, 227, 317, 370, 380, 387, 389, 391, 393, 394, 398. *See also individual species*
Monotremata (monotremes), 184, 235–241, 384
Montague harriers (*Circus pygarus*), 246, 250, 258–259
Mormyridae. *See* Elephantfishes
Mosasaurs, 288
Motmots, 270
Mouse opossum, 216, 220, 224, 226
Mousebirds, 270

Mule (black-tailed) deer (*Odocoileus hemionus*), 210
Mullets (Mugilomorpha), 356
striped (*Mugil cephalus*), 323
Myriapoda, 376. *See also* Centipedes; Millipedes
Myrmecobiidae, 215, 216
Myxinoidea (hagfishes), 184, 354, 384

Needlefish (Beloniformes), 319–321, 355, 356, 357
Nematoda (roundworms), 357, 379
Nemertea (ribbon worms), 379
Nighthawks, 271, 275
Nightjars, 271
Nile soft-shelled turtle. *See* Soft-shelled turtle
Numbat (Myrmecobiidae), 215, 220, 224, 229
Nuthatches, white-breasted (*Sitta carolinensis*), 258

Oarfishes (Lampridiformes), 356
Octopuses, 373–375, 378, 379
Octopus doefleini, 373–375
Octopus vulgaris, 374–375
Oilbirds, 271
Olive baboon (*Papio anubis*), 123
Opossums (Didelphimorphia). *See individual species* such as Virigina opossum, gray short-tailed opposum
Orangutans (*Pongo pygmaeus*), 100, 102, 161, 201
Orchard oriole (*Icterus spurious*), 269
Oreos (Zeiformes), 356
Oriental small-clawed otter (*Anonyx cinerea*), 137
Oriole. *See* Orchard oriole
Osteoglossidae (bonytongue), 356
Ostrich, 270
Otters, oriental small-clawed (*Anonyx cinerea*), 137
Ovenbirds, 271
Owls, 248, 269, 271, 275

Pacas, 192
Paddlefishes (Polydontidae), 354, 355
Painted turtles (*Chrysemys*), 298–299, 300–303, 305
Chrysemys picta, 299, 303, 305
Pangolins (Pholidota, *Manis*), 192–193, 195
Parakeets, 246, 255, 270
Paramecia, 356
Parrots, 61, 107, 108, 245, 246, 251, 253, 255, 257–259, 266, 267, 269, 270, 275, 352. *See also individual species*
Passeriformes, 246, 271, 274, 275
Passerines (songbirds), 264
Pelicans, 248, 271, 275
Penguins, 271, 273, 274, 343
Percoidei, 356
Peregrine falcons (*Falco peregrinus*), 246, 250
Perissodactyla, 19, 192, 193, 200. *See also* Horses; Rhinoceros; Tapirs; Zebras
Petauridae (*Dactylopsila trivirgata*), 217, 227, 230
Petromyzontidae (lampreys), 184, 354, 384
Phalangers, 217, 224
arboreal (*Trichosaurus vulpecula*), 218
Pheasants, 270
Pholidota, 192, 193, 195
Phoronida (tube worms), 378
Piciformes, 246, 270, 275
Pigeons, 250, 263, 271
Pigs, 352
Pikas, 192
Pike (Escociformes), 343, 356
Pine grosbeaks (*Pinicolae nucleator*), 258
Pinnipedia. *See* Sea lions; Seals; Walrus
Pipe snakes (Serpentes), 290
Piranhas (Characiformes), 356
Pisces. *See* Fishes
Pit vipers (Crotalidae), 292
Placental mammals (Eutheria), 172, 184, 191, 194, 197, 212–215, 218, 220, 223–228, 230–232, 235–237, 278, 384
Placoderms (extinct ancient jawless fishes), 313

Plantain-eaters, 271
Platyhelminthes (flatworms), 378
Platypus, duckbilled (*Ornithorhynchus anatinus*), 236–241
Pleuronectiformes (flounder, flatfishes), 356
Poecilid (*Xiphophorus helleri*), 336
Polar bears (*Ursus maritimus*), 63
Polecats (*Mustela putorius*), 116, 142
Polydontidae (paddlefishes), 354, 355
Polymyxiiformes (beardfishes), 356
Pompano, 326
Porcupines, 192
Porifera (sponges), 378
Porpoises, 192, 324, 325
Possums, 215, 217, 220, 224, 227. *See also* Opossums; *individual species*
Potoridae (rat kangaroos), 215
Prairie dogs (*Cynomys ludovicianus*), 203
Pronghorn antelope (*Antilocapra americana*), 154
Psittaciformes, 255. Pterosaurs, 280
Puffbirds, 270
Puffers (Tetraodontiformes), 356
Pupfish (*Crypinodon salinus*), 342–343
Pygmy possums, 217
Pythons (Boidae), 290

Quolls. *See* Tiger quoll

Rabbits, 75, 192, 193, 196, 197, 215, 255
Raccoons (*Procyon lotor*), 157, 192, 205, 363
Racers, 292
Rails, 271
Rainforest bandicoots, 216
Raptors (hawks, falcons, kestrels), 246, 250, 275. *See also individual species*
Rat kangaroos (Potaridae), 215, 217, 219, 224
 Potorous tridactylus, 218
Rats (laboratory, Norway, domesticated, *Rattus norvegicus*), 10, 29, 50, 53, 54, 57, 59, 60, 72–74, 79, 82, 88, 112, 115–117, 123, 125–128, 133, 136, 140, 142–144, 147–149, 155, 158–160, 163, 174–175, 184, 188, 192–193, 205, 211, 213, 231, 237–238, 250, 253, 258, 285, 295, 302, 347, 367, 380, 390–391
Rattlesnakes, 294
Ravens (*Corvas corax*), 107, 246, 247, 250–254, 257, 259, 266, 272, 274, 285, 317, 380
Ray-finned fish (Actinopterygii), 184, 354, 355, 357, 384
Rays (Chrondrichthyes), *See stingrays*
Red deer (*Cervus elaphus*), 303
Red wolf (*Canis rufus*), 207
Red kangaroos (*Macropus rufus*), 218, 219, 223
Red-backed salamander (*Plethodon cinereus*), 310–311
Red-bellied turtles [cooters] (*Pseudemys nelsoni*), 299–301
Red-bellied woodpeckers (*Centurus carolinus*), 250, 257
Red-necked wallabies (*Macropus rufogriseus banksianus*), 220, 221, 222, 223, 224
Redpolls (*Acanthus flammea*), 258
Reptiles (nonavian, ectothermic), 112, 119, 165–167, 169–173, 175, 213, 215, 225, 232, 235, 236–237, 240, 243, 273, 277–278, 279, 280–283, 284–288, 290, 294, 295, 298, 304–307, 312, 349, 351, 373. *See also individual species*
 ectothermic, 166, 169, 177, 213, 248, 277, 278, 279, 280, 282, 306, 307, 308, 357
Rheas, 270, 273
Rhesus monkeys (*Macaca mulatta*), 85, 108, 188
Rhinoceros, 57, 192
Ring-tailed lemur (*Lemur catta*), 93
Roadrunners, 270
Rock hyraxes (*Procavia capensis*), 63
Rodents (Rodentia), 14, 53, 64, 90, 92, 107, 137–138, 162, 163, 175, 191–193, 197–199, 203, 205, 206, 211–214, 223, 250, 255, 260, 264, 302, 370. *See also individual species*
Rollers, 270
Rotifers (Rotifera), 359, 378
Rough Silverside (*Membras vagrans*), 323

Roughies (Beryciformes), 359
Roundworms (Nematoda), 378

Saccopharyngiformes (gulpers), 356
Salamanders (Amphibia), 184, 309, 310, 311, 354, 384
  Axolotl larvae (*Ambystoma mexicanum*), 312
Salmon (Salmoniformes), 356
Sardines (Clupeidae), 318, 321, 356
Satin bowerbirds (*Ptilonorhynchus violaceus*), 262, 264
Scandentia (tree shrews), 192, 193, 197, 199, 200
Scimitarbills, 270
Scorpaeniformes (scorpionfishes, sculpins), 356
Scorpions, 356
Screamers, 270
Sculpins, 356
Sea lions (*Otaria byronia*), 122, 160, 193, 200, 330
Sea snakes (*Pelamis platurus*), 290–291
Sea stars (Echinodermata), 376
Sea urchins (Echinodermata), 356, 376
Seahorses (Gasterosteiformes), 356
Seals, 85, 122, 123, 152, 154, 155, 192, 193, 200, 288, 339, 342, 398
Servals (*Leptailurus serval*), 101
Sharks (Chondrichthyes), 297, 325, 329, 339–344, 354, 355, 365. *See also individual species*
Sheep, 25, 81, 177–179, 192, 226, 255, 276
  Barbary (Ammotragus lervia), 80
  bighorn sheep (*Ovis canadensis*), 211
Short-nosed echidna (*Tachyglossus*), 236
Shrew opossums, 216
Shrews, 100, 101, 152, 173, 192, 196, 212, 247
Shrikes (Corvidea family), 251
Shrimp (Crustacea), 376. *See also* Stomatopods
Side-necked turtles (Pleurodira), 293
Siluriformes (catfishes), 356
Silverside minnows (Atherinidae), 321–323, 356
Sirenia, 198, 199
  dugongs, 192
  manatees, 193, 313
  sirens, 193
Sirens, 193
Skates (Chrondrichthyes), 355
Sleepy lizards (*Tiliqua rugosa*), 283
Slender-tailed meercat (*Suricata suricatta*), 124
Sliders (*Trachemys*), 302
  red-eared (*Trachemys scripta*), 299, 300, 303
Sloths, 154, 192, 193, 195, 237
Snails (Mollusca), 378
Snakes (Lepidosauria), 57, 129, 143, 169, 172, 184, 195, 243, 250, 277, 278, 281–283, 290–294, 308, 312, 343, 384. *See also individual species and groups*
Snipe, 271
Snooks (Percoidei), 356
Soft-shelled turtle (*Trionyx triunguis*), 293–304, 306, 330
Soupfin shark (*Galeorhinus zygopterus*), 325
South American high-altitude opossum (Monito del Monte; Microbiotheria; *Dromiciops australis*), 216, 226, 232
Southern sea lion (*Otaria byronia* [*flavescens*]), 122
Sparrows, 246, 264, 266, 271
Spectacled bear (*Tremarctos ornatus*), 207
Sphenodontida, 278
Spiders, 356, 357, 378
  Portia sp., 368–369
Spinner sharks (*Carcharhinus brevipinnus*), 325
Spiny anteaters. *See* Echidna
Sponges (Porifera), 378
Squamata, 278. *See also* Lizards; Snakes
Squid, 356, 357, 373
Squirrel monkeys (*Saimiri sciureus*), 77, 89, 92, 123, 158, 162, 165, 211, 258
Squirrelfishes (Beryciformes), 356
Squirrels, 86, 192, 193. *See also* Gray and Ground squirrels
Stephanoberyciformes (whalefishes), 356
Sternarchorhynchus, 351

Sticklebacks (Gasterosteiformes), 314, 356
Stingrays (Chrondrichthyes), 354–357, 387
 white-blotched river stingray (*Potamotrygon leopoldi*), 342
Stomatopods (mantis shrimp), 370, 371, 373
Storks, 271
Strigiformes, 271, 275
Struthioniformes, 270, 275
Sturgeons, 352, 354, 355, 356
 sterlet (*Acipenser ruthenus*), 317, 330
Sugar glider (*Petaurus breviceps*), 227
Sunbeam snakes (Serpentes), 290
Surgeonfishes (Acanthuridae), 339
 Acanthurus thompsoni, 339
 Paracanthurus hepatus, 339
Swans, 270, 273
Swifts, 270

Tamarins, 123
Tammar wallaby (*Macropus eugenii*), 226, 228
Tapirs, 19, 192, 193, 332
Tarpons (*Megalops atlanticus*), 325, 356, 357
Tasmanian devils (*Sarcophilus harrisli*), 216, 219
Tasmanian wolf, 216
Teleosti, 355
Tenrecs (*Solenedon paradoxus*), 192
Termites, 214, 236, 365, 366
Terrapins (*Malaclemys*), 302
Tetraodontiformes, 356. *See also* Triggerfishes; Puffers; Molas
Tetrapods, 309, 310, 349, 351, 354, 355
Thecodonts, 280
Tiger quoll (*Dasyurus maculatus*), 219, 220
Tigers (*Panthera tigris*), 31, 153, 220, 287, 340
Tinamiformes, 270, 275
Tinamous, 270
Toads (Amphibia), 309
Tortoises (Chelonia), 154, 184, 278, 384
Toucans, 270
Tree kangaroos (*Dendrolagus*), 228, 231
 Bennett's (*Dendrolagus bennettianus*), 231
Tree shrews (Tupaiidae), 193, 197, 199, 200
Triggerfishes (Tetraodontiformes, Balistidae), 356
 grey (*Balistes carolinensis*), 339
Trochiliformes, 271, 275
Trogoniformes, 270, 275
Trogons, 270
Trout (Salmoniformes), 356
Trumpeters, 271
Tuataras (*Sphenodon*), 278
Tube worms (Phoronida), 378
Tubulidentata (aardvark), 192, 193, 197
Tunicates (Chordata), 378
Tuna, 326, 329, 351
Turacos, 271
Turkeys (*Meleagris gallopavo*), 264
Turniciformes, 270, 275
Turtles, 5, 70, 169, 171, 177, 183, 184, 243, 278–281, 293, 293–305, 306, 313, 318, 319, 337, 348, 381, 384. *See also individual species and genera*

Ungulates, 89, 107, 112, 115, 116, 191, 192, 209, 211, 215, 233, 363
Upupiformes, 270, 275

Vervet monkey (*Cercopithecus*), 162
 (Ceropithecus aethiops sabaeus), 128, 162, 164
Vietnamese mossy frog (*Theloderma corticale*), 312
Vipers (Viperidae), 290
Vireos (Corvidea family), 251
Virginia opossum (*Didelphis virginiana*), 214, 224, 225, 227
Vultures, 157, 246, 255, 271

Wallabies, 215, 217, 233
 red-necked (*Macropus rufogriseus banksianus*), 220–224
 tammar (*Macropus eugenii*), 226, 228
Walrus, 192
Wasps, 362, 386
Water stick insects (*Ranata linearis*), 367

Water oppossum. *See* Yapok
Weasels, 192, 200, 205
Whalefishes (Stephanoberyciformes), 356
Whales, 85, 192, 193, 200, 288, 325, 328, 339, 340
White-breasted nuthatches (*Sitta carolinensis*), 258
White-fronted Amazon parrots (*Amazona albifrons*), 259
White-tailed deer (*Odocoileus virginianus*), 209, 210
Wolf
 gray (*Canis lupus*), 61, 75, 88, 92, 107, 177, 178, 193, 205, 207, 230, 363
 maned (*Chrysocyon brachyurus*), 207, 208, 209
Wombat, 216, 218, 229
Wood turtle (*Clemmys insculpta*), 297
Woodpecker finch (*Cactospiza pallidas*), 250
Woodpeckers, 246, 257, 258, 269, 270, 275
Woolly opossums, 216
Wrasses (Labroidei), 356
Wrens, 271

Xenartha. *See* Anteaters; Armadillos; Sloths

Yapok (*Chironectes minimus*), 226

Zebra finches (*Taeniopygia guttata*), 264–265, 397
Zebras (*Equus burchelli*), 19, 80, 192, 264, 265
Zeiformes (dories, oreos), 356