CATALOGUE OF TYPE SPECIMENS OF RECENT MAMMALS IN THE AMERICAN MUSEUM OF NATURAL HISTORY

GEORGE G. GOODWIN

BULLETIN
OF THE
AMERICAN MUSEUM OF NATURAL HISTORY
VOLUME 102 : ARTICLE 3 NEW YORK : 1953

CATALOGUE OF THE TYPE SPECIMENS OF RECENT MAMMALS IN THE AMERICAN MUSEUM OF NATURAL HISTORY

CATALOGUE OF THE TYPE SPECIMENS OF RECENT MAMMALS IN THE AMERICAN MUSEUM OF NATURAL HISTORY

GEORGE G. GOODWIN
Associate Curator
Department of Mammals

BULLETIN
OF THE
AMERICAN MUSEUM OF NATURAL HISTORY
VOLUME 102 : ARTICLE 3 NEW YORK : 1953

BULLETIN OF THE AMERICAN MUSEUM OF NATURAL HISTORY
Volume 102, article 3, pages 207–412

Issued August 31, 1953

Price: $2.50 a copy

CONTENTS

INTRODUCTION 221
LIST OF TYPE SPECIMENS 223
Order Marsupialia 223
Family Didelphidae 223
Genus *Monodelphis* 223
Genus *Glironia* 223
Genus *Marmosa* 223
Genus *Philander* 227
Genus *Metachirus* 227
Genus *Didelphis* 228
Family Dasyuridae 228
Genus *Antechinus* 228
Genus *Phascolosorex* 229
Genus *Planigale* 229
Genus *Sminthopsis* 229
Genus *Murexia* 230
Family Peramelidae 230
Genus *Echymipera* 230
Family Caenolestidae 230
Genus *Caenolestes* 230
Family Phalangeridae 230
Genus *Phalanger* 230
Genus *Petaurus* 231
Genus *Dactylopsila* 232
Genus *Pseudocheirus* 232
Family Macropodidae 233
Genus *Thylogale* 233
Order Insectivora 233
Family Erinaceidae 233
Genus *Neotetracus* 233
Genus *Erinaceus* 233
Genus *Atelerix* 233
Family Macroscelididae 233
Genus *Elephantulus* 233
Family Soricidae 234
Genus *Sorex* 234
Genus *Soriculus* 235
Subgenus *Chodsigoa* 235
Genus *Blarina* 235
Genus *Cryptotis* 235
Genus *Crocidura* 236
Genus *Sylvisorex* 239
Genus *Anourosorex* 239
Family Talpidae 239
Genus *Uropsilus* 239
Genus *Scapanus* 240
Genus *Scalopus* 240
Order Chiroptera 240
Family Pteropidae 240

Genus *Pteropus* . . . 240
Genus *Paranyctimene* . . . 241
Family Emballonuridae . . . 241
Genus *Saccopteryx* . . . 241
Genus *Peropteryx* . . . 241
Genus *Taphozous* . . . 242
Family Nycteridae . . . 242
Genus *Nycteris* . . . 242
Family Rhinolophidae . . . 242
Genus *Rhinolophus* . . . 242
Genus *Hipposideros* . . . 244
Genus *Coelops* . . . 245
Family Phyllostomatidae . . . 245
Genus *Chilonycteris* . . . 245
Genus *Pteronotus* . . . 246
Genus *Micronycteris* . . . 246
Genus *Lonchorhina* . . . 246
Genus *Tonatia* . . . 246
Genus *Phyllostomus* . . . 247
Genus *Phylloderma* . . . 247
Genus *Lonchophylla* . . . 248
Genus *Anoura* . . . 248
Genus *Monophyllus* . . . 248
Genus *Choeroniscus* . . . 248
Genus *Sturnira* . . . 248
Genus *Chiroderma* . . . 249
Genus *Artibeus* . . . 249
Genus *Phyllops* . . . 250
Genus *Phyllonycteris* . . . 250
Family Natalidae . . . 250
Genus *Natalus* . . . 250
Family Vespertilionidae . . . 250
Genus *Myotis* . . . 250
Genus *Nyctalus* . . . 253
Genus *Pipistrellus* . . . 253
Genus *Eptesicus* . . . 253
Genus *Histiotus* . . . 254
Genus *Scotophilus* . . . 255
Genus *Glauconycteris* . . . 255
Genus *Dasypterus* . . . 255
Genus *Idionycteris* . . . 255
Genus *Euderma* . . . 255
Genus *Miniopterus* . . . 256
Genus *Kerivoula* . . . 256
Family Molossidae . . . 256
Genus *Mops* . . . 256
Subgenus *Allomops* . . . 257
Genus *Chaerephon* . . . 257
Subgenus *Lophomops* . . . 258
Genus *Mormopterus* . . . 258
Genus *Nyctinomus* . . . 258
Genus *Tadarida* . . . 258
Genus *Eumops* . . . 259

Genus *Molossus* 260
Order Primates. 260
Family Tupaiidae 260
Genus *Tupaia* 260
Family Lemuridae 261
Genus *Lemur* 261
Family Cebidae 261
Genus *Aotus* 261
Genus *Callicebus* 261
Genus *Pithecia* 261
Genus *Alouatta*. 262
Genus *Cebus* 263
Genus *Saimiri* 263
Genus *Ateles* 264
Family Callithricidae 264
Genus *Marikina* 264
Genus *Xenothrix* 265
Family Cercopithecidae 265
Genus *Macaca* 265
Genus *Colobus* 265
Order Edentata 265
Family Myrmecophagidae 265
Genus *Tamandua*. 265
Family Bradypodidae 266
Genus *Choloepus* 266
Order Pholidota 266
Family Manidae 266
Genus *Manis* 266
Order Lagomorpha 267
Family Ochotonidae 267
Genus *Ochotona* 267
Family Leporidae. 268
Genus *Caprolagus*. 268
Genus *Lepus* 268
Genus *Sylvilagus* 270
Order Rodentia 274
Family Sciuridae 274
Genus *Sciurus* 274
Subgenus *Neosciurus* 274
Subgenus *Baiosciurus* 274
Subgenus *Guerlinguetus* 274
Subgenus *Hadrosciurus* 278
Subgenus *Simosciurus* 278
Genus *Microsciurus* 278
Genus *Syntheosciurus* 279
Genus *Tamiasciurus* 279
Genus *Ratufa* 281
Genus *Funisciurus* 281
Genus *Heliosciurus* 281
Genus *Callosciurus* 281
Subgenus *Tamiops* 282
Genus *Hyosciurus* 283
Genus *Dremomys* 283

Genus *Sciurotamias* . . . 283
Genus *Marmota* . . . 283
Genus *Cynomys* . . . 283
Genus *Citellus* . . . 284
Subgenus *Citellus* . . . 284
Subgenus *Ictidomys* . . . 284
Subgenus *Otospermophilus* . . . 285
Subgenus *Ammospermophilus* . . . 285
Subgenus *Callospermophilus* . . . 285
Genus *Tamias* . . . 285
Genus *Eutamias* . . . 285
Genus *Petaurista* . . . 287
Genus *Hylopetes* . . . 288
Genus *Petinomys* . . . 288
Genus *Glaucomys* . . . 288
Family Geomyidae . . . 288
Genus *Geomys* . . . 288
Genus *Thomomys* . . . 289
Genus *Macrogeomys* . . . 290
Family Heteromyidae . . . 290
Genus *Perognathus* . . . 290
Genus *Dipodomys* . . . 291
Genus *Liomys* . . . 292
Genus *Heteromys* . . . 293
Family Castoridae . . . 293
Genus *Castor* . . . 293
Family Anomaluridae . . . 293
Genus *Anomalurops* . . . 293
Genus *Idiurus* . . . 294
Family Cricetidae . . . 294
Genus *Oryzomys* . . . 294
Subgenus *Oryzomys* . . . 294
Alfaroi group . . . 295
Balneator group . . . 295
Talamancae group . . . 295
Laticeps group . . . 296
Bombycinus group . . . 296
Albigularis group . . . 297
Xanthaeolus group . . . 298
Subgenus *Oligoryzomys* . . . 298
Subgenus *Microryzomys* . . . 299
Subgenus *Oecomys* . . . 300
Speciosus group . . . 300
Mincae group . . . 301
Trinitatus group . . . 301
Subgenus *Melanomys* . . . 302
Genus *Neacomys* . . . 304
Genus *Scolomys* . . . 304
Genus *Nectomys* . . . 304
Subgenus *Nectomys* . . . 304
Subgenus *Sigmodontomys* . . . 304
Genus *Rhipidomys* . . . 305
Genus *Thomasomys* . . . 307

Aureus group . . . 307
Pyrrhonotus group . . . 307
Cinereus group . . . 307
Rhoadsi group . . . 308
Lugens group . . . 308
Gracilis group . . . 309
Genus *Tylomys* . . . 309
Genus *Ototylomys* . . . 309
Genus *Otonyctomys* . . . 309
Genus *Reithrodontomys* . . . 310
Subgenus *Reithrodontomys* . . . 310
Megalotis group . . . 310
Fulvescens group . . . 311
Rufescens group . . . 311
Subgenus *Aporodon* . . . 312
Mexicanus group . . . 312
Tenuirostris group . . . 313
Genus *Peromyscus* . . . 313
Subgenus *Haplomylomys* . . . 313
Subgenus *Peromyscus* . . . 314
Maniculatus group . . . 314
Leucopus group . . . 316
Boylii group . . . 316
Truei group . . . 317
Lepturus group . . . 317
Mexicanus group . . . 318
Subgenus *Megadontomys* . . . 318
Subgenus *Podomys* . . . 318
Genus *Baiomys* . . . 318
Genus *Onychomys* . . . 319
Genus *Akodon* . . . 319
Subgenus *Akodon* . . . 319
Boliviensis group . . . 319
Subgenus *Chalcomys* . . . 319
Urichi group . . . 319
Genus *Zygodontomys* . . . 320
Genus *Microxus* . . . 321
Genus *Podoxymys* . . . 322
Genus *Lenoxus* . . . 322
Genus *Oxymycterus* . . . 322
Genus *Scotinomys* . . . 322
Genus *Hesperomys* . . . 323
Genus *Eligmodontia* . . . 323
Genus *Phyllotis* . . . 323
Genus *Holochilus* . . . 324
Genus *Sigmodon* . . . 324
Hispidus group . . . 324
Fulviventer group . . . 325
Genus *Neotoma* . . . 326
Floridana group . . . 326
Albigula group . . . 327
Intermedia group . . . 327
Mexicana group . . . 327

Subgenus *Teonoma* . . . 327
Genus *Ichthyomys* . . . 327
Genus *Daptomys* . . . 328
Genus *Neusticomys* . . . 328
Genus *Calomyscus* . . . 328
Genus *Cricetulus* . . . 328
Genus *Myospalax* . . . 329
Genus *Synaptomys* . . . 329
Genus *Lemmus* . . . 329
Genus *Clethrionomys* . . . 329
Genus *Ondatra* . . . 330
Genus *Phenacomys* . . . 330
Genus *Microtus* . . . 330
Pennsylvanicus group . . . 330
Longicaudus group . . . 331
Mexicanus group . . . 331
Arvalis group . . . 331
Socialis group . . . 332
Subgenus *Phaiomys* . . . 332
Genus *Eothenomys* . . . 332
Genus *Alticola* . . . 332
Genus *Lagurus* . . . 332
Genus *Ellobius* . . . 333
Talpinus group . . . 333
Fuscocapillus group . . . 333
Genus *Tatera* . . . 333
Genus *Taterillus* . . . 334
Genus *Meriones* . . . 334
Genus *Rhombomys* . . . 334
Family Muridae . . . 334
Genus *Hapalomys* . . . 334
Genus *Vernaya* . . . 334
Genus *Apodemus* . . . 335
Genus *Thamnomys* . . . 335
Genus *Grammomys* . . . 335
Genus *Conilurus* . . . 335
Genus *Dasymys* . . . 336
Genus *Arvicanthis* . . . 336
Genus *Lemniscomys* . . . 336
Genus *Aethomys* . . . 336
Genus *Myomys* . . . 336
Genus *Mastomys* . . . 336
Genus *Praomys* . . . 336
Genus *Rattus* . . . 337
Genus *Pseudomys* . . . 341
Subgenus *Gyomys* . . . 341
Genus *Melomys* . . . 341
Subgenus *Paramelomys* . . . 341
Genus *Uromys* . . . 342
Genus *Xenuromys* . . . 342
Genus *Lorentzimys* . . . 342
Genus *Pogonomelomys* . . . 343
Genus *Mus* . . . 343
Subgenus *Leggada* . . . 344

Genus *Lophuromys* . . . 344
Genus *Nesokia* . . . 344
Genus *Cricetomys* . . . 344
Genus *Dendromus* . . . 345
Genus *Steatomys* . . . 345
Genus *Otomys* . . . 345
Genus *Lenomys* . . . 346
Genus *Pogonomys* . . . 346
Genus *Hydromys* . . . 347
Genus *Leptomys* . . . 347
Genus *Paraleptomys* . . . 347
Genus *Pseudohydromys* . . . 347
Genus *Microhydromys* . . . 347
Family Gliridae . . . 348
Genus *Glis* . . . 348
Genus *Claviglis* . . . 348
Family Zapodidae . . . 348
Genus *Zapus* . . . 348
Family Dipodidae . . . 348
Genus *Stylodipus* . . . 348
Genus *Allactaga* . . . 348
Family Hystricidae . . . 349
Genus *Hystrix* . . . 349
Genus *Atherurus* . . . 349
Family Erethizontidae . . . 349
Genus *Erethizon* . . . 349
Genus *Coendou* . . . 349
Family Caviidae . . . 350
Genus *Cavia* . . . 350
Family Dinomyidae . . . 350
Genus *Dinomys* . . . 350
Family Dasyproctidae . . . 350
Genus *Dasyprocta* . . . 350
Genus *Myoprocta* . . . 351
Family Capromyidae . . . 351
Genus *Geocapromys* . . . 351
Family Echimyidae . . . 351
Genus *Proechimys* . . . 351
Genus *Hoplomys* . . . 353
Genus *Diplomys* . . . 353
Genus *Echimys* . . . 353
Genus *Dactylomys* . . . 354
Subgenus *Lachnomys* . . . 354
Genus *Thrinacodus* . . . 354
Order Cetacea . . . 354
Family Ziphiidae . . . 354
Genus *Mesoplodon* . . . 354
Family Delphinidae . . . 354
Genus *Tursiops* . . . 354
Family Phocaenidae . . . 355
Genus *Phocaena* . . . 355
Subgenus *Phocaenoides* . . . 355
Order Carnivora . . . 355

Family Canidae . . . 355
Genus *Canis* . . . 355
Genus *Vulpes* . . . 355
Genus *Urocyon* . . . 355
Family Ursidae . . . 355
Genus *Euarctos* . . . 355
Genus *Ursus* . . . 356
Family Procyonidae . . . 356
Genus *Procyon* . . . 356
Subgenus *Euprocyon* . . . 356
Genus *Nasua* . . . 357
Genus *Nasuella* . . . 357
Genus *Potos* . . . 358
Genus *Bassaricyon* . . . 358
Family Mustelidae . . . 358
Genus *Mustela* . . . 358
Genus *Eira* . . . 359
Genus *Meles* . . . 360
Genus *Melogale* . . . 360
Subgenus *Helictis* . . . 360
Genus *Mephitis* . . . 360
Genus *Spilogale* . . . 361
Genus *Conepatus* . . . 361
Genus *Lutra* . . . 361
Family Viverridae . . . 361
Genus *Osbornictis* . . . 361
Genus *Civettictis* . . . 362
Genus *Paguma* . . . 362
Genus *Arctictis* . . . 362
Genus *Galidia* . . . 362
Genus *Herpestes* . . . 362
Genus *Dologale* . . . 363
Genus *Atilax* . . . 363
Genus *Xenogale* . . . 363
Family Hyaenidae . . . 363
Genus *Crocuta* . . . 363
Family Felidae . . . 363
Genus *Lynx* . . . 363
Genus *Felis* . . . 364
Subgenus *Leptailurus* . . . 364
Subgenus *Leopardus* . . . 364
Subgenus *Noctifelis* . . . 364
Subgenus *Oncilla* . . . 364
Subgenus *Lynchailurus* . . . 365
Subgenus *Herpailurus* . . . 365
Subgenus *Puma* . . . 365
Subgenus *Panthera* . . . 365
Order Pinnipedia . . . 366
Family Phocidae . . . 366
Genus *Phoca* . . . 366
Order Tubulidentata . . . 367
Family Orycteropodidae . . . 367
Genus *Orycteropus* . . . 367

Order Proboscidea 367
Family Elephantidae 367
Genus *Loxodonta* 367
Order Hyracoidea 367
Family Procaviidae 367
Genus *Heterohyrax* 367
Order Perissodactyla 367
Family Tapiridae 367
Genus *Tapirus* 367
Order Artiodactyla 367
Family Tayassuidae 367
Genus *Tagassu* 368
Family Cervidae 368
Genus *Muntiacus* 368
Genus *Odocoileus* 368
Genus *Mazama* 369
Genus *Rangifer* 370
Family Bovidae 371
Genus *Tragelaphus* 371
Genus *Sylvicapra* 371
Genus *Rhynchotragus* 371
Genus *Capricornis* 371
Genus *Oreamnos* 372
Genus *Ovis* 372
MISSING TYPE SPECIMENS 373
GEOGRAPHICAL GUIDE TO TYPE LOCALITIES 374
Eastern Hemisphere 374
Western Hemisphere 377
COLLECTORS OF TYPE SPECIMENS IN THE AMERICAN MUSEUM OF NATURAL HISTORY . . 384
INDEX 386

INTRODUCTION

THIS IS THE FIRST ATTEMPT to bring together and publish a catalogue of the type mammal specimens in the American Museum of Natural History.

The types, with the exception of those in the Archbold Collections, are kept in special locked storage cases in the Department of Mammals and are marked with red labels.

The present list records all the type specimens of recent mammals up to December 31, 1952, a total of 944, in the Museum collections. The skins of many of the earlier types have been made over or are in the process of renovation.

In the list of type specimens the order of arrangement follows the principles of classification of mammals by George G. Simpson (1945).

The species and subspecies are arranged in taxonomic order based on published records and on an examination of the specimens.

The name of each genus, species, and subspecies is recorded as in the original description, followed by a reference to the place and date of publication. A later name[1] is preceded by an equals sign, followed by a citation of the authority for its use. Where the original name appears to be outdated but not so recorded in the literature, a more recent name is substituted, followed by comments on its use.

Where generic and specific names have been changed but not recorded for the particular species and subspecies listed here, a later name is added in brackets.

An author's name is placed in parentheses when the generic name that was used in the original description has been changed. A dagger, placed before the name, indicates that the type is fossil.

Citations are followed by the American Museum of Natural History catalogue number; the nature of the specimen, whether it is skin, skull, skin and skull, or preserved in alcohol (omission of mention of skin or skull indicates that it did not reach the museum); sex and age (omission of sex indicates that it is not definitely known); locality where taken; date when caught; name of collector; the original or field number; and condition of the specimen. Measurements are given as a means of identification. Where possible the field measurements of the skin are given. The three principal dimensions of the skull given have been checked and obvious errors corrected.

[1] No attempt is made to pass upon all current taxonomy.

The type specimens are reserved for the use of qualified scientists at the Museum and are not permitted out on loan.

The number of type specimens of recent mammals in the American Museum of Natural History at the end of the year 1952 arranged by order and family is:

Marsupialia	
Didelphidae	38
Dasyuridae	8
Peramelidae	1
Caenolestidae	3
Phalangeridae	13
Macropodidae	1
Insectivora	
Erinaceidae	4
Macroscelididae	1
Soricidae	37
Talpidae	6
Chiroptera	
Pteropidae	6
Emballonuridae	3
Nycteridae	2
Rhinolophidae	22
Phyllostomatidae	34
Natalidae	1
Vespertilionidae	36
Molossidae	29
Primates	
Tupaiidae	1
Lemuridae	1
Cebidae	18
Callithrichidae	5
Cercopithecidae	2
Edentata	
Myrmecophagidae	5
Bradypodidae	4
Pholidota	
Manidae	1
Lagomorpha	
Ochotonidae	5
Leporidae	37
Rodentia	
Sciuridae	88
Geomyidae	11
Heteromyidae	21
Castoridae	1

Anomaluridae	3
Cricetidae	262
Muridae	85
Gliridae	2
Zapodidae	2
Dipodidae	3
Hystricidae	2
Erethizontidae	4
Caviidae	2
Dinomyidae	1
Dasyproctidae	6
Capromyidae	1
Echimyidae	19
Cetacea	
Ziphiidae	1
Delphinidae	1
Phocaenidae	1
Carnivora	
Canidae	4
Ursidae	4
Procyonidae	14
Mustelidae	19
Viverridae	10
Hyaenidae	1
Felidae	17
Pinnipedia	
Phocidae	1
Tubulidentata	
Orycteropodidea	1
Proboscidea	
Elephantidae	2
Hyracoidea	
Procaviidae	1
Perissodactyla	
Tapiridae	1
Artiodactyla	
Tayassuidae	3
Cervidae	17
Bovidae	10
Total	945

LIST OF TYPE SPECIMENS

ORDER **MARSUPIALIA** ILLIGER

FAMILY **DIDELPHIDAE** GRAY

GENUS **MONODELPHIS** BURNETT

Peramys brevicaudatus dorsalis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 28, p. 327, October 8, 1904.
= *Monodelphis brevicaudata orinoci* (Thomas). According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, p. 166, October 20, 1939.

16126. Skin and skull. Adult male. Ciudad Bolivar, Venezuela. December 19, 1899. Collector: S. M. Klages. Original number 69.

Skin in good condition. Skull complete. Teeth showing some wear.

MEASUREMENTS: Skin: total length, 8 1/2 inches; tail vertebrae, 3 1/8 inches. Skull: basal length, 32.5 mm.; zygomatic breadth, 19; length of upper tooth row, m^1–m^4, 7.5.

GENUS **GLIRONIA** THOMAS

Glironia aequatorialis Anthony
Amer. Mus. Novitates, no. 240, pp. 1–3, December 4, 1926.

71395. Skin and skull. Adult female. Boca de Lagarto Cocha on the Rio Aguarico above its confluence with the Rio Napo, Ecuador. January 15, 1926. Collectors: Olalla and sons.

Skin in good condition. Skull broken in basicranial region but otherwise complete. Teeth showing some wear.

MEASUREMENTS: Skin: total length, 430 mm.; tail vertebrae, 225; hind foot, 29. Skull: zygomatic breadth, 26.4 mm.; length of upper tooth row, m^1–m^3, 7.

Glironia criniger Anthony
Amer. Mus. Novitates, no. 240, pp. 2–4, December 4, 1926.

71394. Skin and skull. Adult female. Junction of Rio Curaray with Rio Napo, Ecuador. December 5, 1925. Collectors: Olalla and sons.

Skin in good condition. Skull complete. Teeth showing slight wear.

MEASUREMENTS: Skin: total length, 420 mm.; tail vertebrae, 220; hind foot, 31. Skull: condylobasal length, 43.7 mm.; zygomatic breadth, 10.6; length of upper tooth row, m^1–m^3, 6.6.

GENUS **MARMOSA** GRAY

Didelphis cinerea Temminck
Monographies de mammalogie, vol. 1, p. 46, 1824.
= [*Marmosa cinerea*] *cinerea* (Temminck). According to Trouessart, Catalogus mammalium tam viventium quam fossilium, suppl., p. 855, 1905.

845. Skin. Adult male. Type locality fixed by Tate "Rio Mucuri, probably at or near Morro d'Arara, southeastern Brazil." Collector: Maximilian Wied, between 1815 and 1817. Original number 33.

Skin without skull. In poor, faded condition due to long exposure as a mounted specimen. It still has attached Wied's original label which bears the legend "No. 33 Mas Jupati," and on the back of the label in another handwriting is written "*Didelphys nudicaudatus.*" In addition it bears the regular A.M.N.H. No. 845 label and a red type label. Under No. 845 in the catalogue is the following remark "*Didelphys nudicaudatus.* No. 33, Mas Jupati—Max. label '*D. myosurus*' Max. Col. p. 32."

Marmosa demararae areniticola Tate
Amer. Mus. Novitates, no. 493, p. 2, September 26, 1931.

75691. Skin and skull. Adult male. Arabupu, foot of Mt. Roraima, Venezuela. Altitude, 4200 feet. December 29, 1927. Collectors: G. H. H. Tate and T. D. Carter. Original number 4713.

Skin in good condition. Skull complete. Teeth showing little wear.

MEASUREMENTS: Skin: total length, 402 mm.; tail vertebrae, 239; hind foot, 29. Skull: basal length, 38.1 mm.; zygomatic breadth, 23; length of upper tooth row, m^1–m^3, 7.3.

Marmosa demararae esmeraldae Tate
Amer. Mus. Novitates, no. 493, p. 2, September 26, 1931.

76964. Skin and skull. Adult male. Esmeralda, near foot of Mt. Duida, upper Rio Orinoco, Venezuela. Altitude, 325 feet. October 7, 1928. Collector: G. H. H. Tate. Original number 5035.

Skin in good condition. Skull complete. Teeth showing some wear.

MEASUREMENTS: Skin: total length, 462 mm.; tail vertebrae, 264; hind foot, 32. Skull:

basal length, 44.3 mm.; zygomatic breadth, 26.6; length of upper tooth row, m^1–m^3, 7.7.

Caluromys alstoni J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 13, art. 15, pp. 189–190, October 12, 1900.
= [*Marmosa alstoni*] *alstoni* (Allen). According to Trouessart, Catalogus mammalium tam viventium quam fossilium, suppl., p. 855, 1905.

11790/16210. Skin and skull. Adult male. Tres Rios, Cartago, Costa Rico. Altitude 4000 feet. August 17, 1893. Collector: George K. Cherrie.

Skin in good condition. Skull with a hole in interorbital region and posterior part behind the bullae cut off. Teeth and rest of skull complete.

MEASUREMENTS: Skin: Total length, 430 mm.; tail vertebrae, 250; hind foot (s.u.), 25. Skull: zygomatic breadth, 25; length of upper tooth row, c–m^4, 17.5.

Marmosa perplexa Anthony
Amer. Mus. Novitates, no. 32, p. 3, March 4, 1922.
= *Marmosa phaea* Thomas. According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 66, art. 1, p. 84, August 10, 1933.

47188. Skin and skull. Adult female. Punta Santa Ana, Province of Loja, Ecuador. Altitude, 3650 feet. December 21, 1920. Collector: H. E. Anthony. Original number 2386.

Skin in good condition. Skull complete. Cranium originally crushed but now restored.

MEASUREMENTS: Skin: total length, 305 mm.; tail vertebrae, 178; hind foot, 22. Skull: basal length, 44.3; zygomatic breadth, 26.6; length of upper tooth row, m^1–m^3, 7.7.

Marmosa mapiriensis Tate
Amer. Mus. Novitates, no. 493, pp. 3–4, September 26, 1931.

72555. Skin and skull. Adult male. Ticunhuaya, road from Sorata to Guanay, Tipuani River, Province of La Paz, Bolivia. Altitude, 4800 feet. April 23, 1926. Collector: G. H. H. Tate. Original number 3963.

Skin in good condition. Skull complete. Teeth showing some wear.

MEASUREMENTS: Skin: total length, 364 mm.; length of tail vertebrae, 202; hind foot, 26. Skull: basal length, 37.8; zygomatic breadth, 24.3; length of upper tooth row, m^1–m^3, 7.2.

Marmosa murina roraimae Tate
Amer. Mus. Novitates, no. 493, pp. 4–5, September 26, 1931.

75703. Skin and skull. Adult male. Arabupu, foot of Mt. Roraima, Venezuela. Altitude, 4200 feet. December 25, 1927. Collectors: Tate and Carter. Original number 4695.

Skin in good condition. Skull complete. Teeth showing some wear.

MEASUREMENTS: Skin: total length, 306 mm.; tail vertebrae, 184; hind foot, 22. Skull: basal length, 31.2; zygomatic breadth, 19.9; length of upper tooth row, m^1–m^3, 5.9.

Marmosa klagesi J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 13, art. 16, p. 198, October 23, 1900.
= *Marmosa murina klagesi* Allen. According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 66, art. 1, p. 98, August 10, 1933.

16121. Skin and skull. Adult male. Ciudad Bolivar, Venezuela. October 26, 1899. Collector: Samuel M. Klages. Original number 56.

Skin in fair condition. Skull complete. Teeth showing slight wear.

MEASUREMENTS: Skin: total length, 12 7/8 inches; tail vertebrae, 7 5/8 inches. Skull: basal length, 33.2; zygomatic width, 20.8; length of upper tooth row, m^1–m^3, 5.7.

Marmosa murina duidae Tate
Amer. Mus. Novitates, no. 493, p. 5, September 26, 1931.

76984. Skin and skull. Old adult male. "Middle Camp," foot of Mt. Duida, 8 miles north of Esmeralda, upper Rio Orinoco, southern Venezuela. Altitude, 350 feet. February 3, 1929. Collectors: Olalla brothers. Original number 22. Tyler Duida Expedition No. 300.

Skin in good condition. Skull complete, originally left side broken but now restored. Teeth showing considerable wear.

MEASUREMENTS: Skin: total length, 327 mm: tail vertebrae, 192; hind foot, 22. Skull: basal length, 35.1; zygomatic width, 21.1; length of upper tooth row, m^1–m^3, 6.1.

Marmosa bombascarae Anthony
Amer. Mus. Novitates, no. 32, pp. 5–6, March 4, 1922.

= *Marmosa murina waterhousei* (Tomes). According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 66, art. 1, p. 103, August 10, 1933.

47186. Skin and skull. Adult female. Zamora (junction of the Rio Bombascaro with Rio Zamora), Province of Loja, Ecuador. November 24, 1920. Collector: H. E. Anthony. Original number 2307.

Skin in fair condition. Tail and feet damaged by ants. Skull complete.

MEASUREMENTS: Skin: total length, 313 mm.; tail vertebrae, 187; hind foot, 21. Skull: basal length, 31; zygomatic breadth, 19.3; length of upper tooth row, m^1–m^4, 7.

Marmosa rubra Tate

Amer. Mus. Novitates, no. 493, p. 6, September 26, 1931.

71973. Skin and skull. Old adult female. Mouth of Rio Curaray, Province of Oriente, Ecuador. December 7, 1925. Collectors: Olalla brothers.

Skin in good condition. Skull complete. Teeth showing slight wear.

MEASUREMENTS: Skin: total length, 330 mm.; tail vertebrae, 190; hind foot, 22. Skull: basal length, 32.3; zygomatic width, 21.3; length of upper tooth row, m^1–m^3, 6.3.

Marmosa tyleriana Tate

Amer. Mus. Novitates, no. 493, pp. 6–7, September 26, 1931.

76983. Skin and skull. Semi-adult female. "Central Camp," Mt. Duida plateau, upper Rio Orinoco, Venezuela. Altitude, 4800 feet. February 6, 1929. Collectors: Olalla brothers. Original number 272.

Skin in good condition. Skull complete except for a break in the interparietal region.

MEASUREMENTS: Skin: total length, 286 mm.; tail vertebrae, 171; hind foot, 20. Skull: basal length, 29.5; zygomatic width, 17; length of upper tooth row, m^1–m^3, 5.7.

Marmosa tyleriana phelpsi Tate

Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, pp. 164–165, October 20, 1939.

130502. Skin and skull. Adult male. Auyantepui plateau, southern Venezuela. Altitude, 1850 meters. January 6, 1938. Collector: G. H. H. Tate. Original number 5502.

Skin in good condition. Skull complete. Teeth showing little wear. Small incisors on left side of mandible lost.

MEASUREMENTS: Skin: total length, 274 mm.; tail vertebrae, 162; hind foot (s.u.), 19. Skull: basal length, 33.2; zygomatic breadth, 19.6; length of upper tooth row, m^1–m^3, 6.1.

Marmosa chapmani J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 13, art. 16, pp. 197–198, October 23, 1900.

7666/6052. Skin and skull. Adult male. Caura, Trinidad, West Indies. April 17. 1894. Collector: Frank M. Chapman. Original number 894.

Skin in fair condition. Skull complete. Teeth showing considerable wear.

MEASUREMENTS: Skin: total length, 376 mm.; tail vertebrae, 201; hind foot, 25. Skull: basal length, 38.5; zygomatic breadth, 23.3; length of upper tooth row, m^1–m^3, 6.7.

Didelphis (Micoureus) canescens J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 5, pp. 235–236, September 22, 1893.

= *Marmosa* [*canescens*] *canescens* (Allen). According to Allen, Bull. Amer. Mus. Nat. Hist., vol. 9, p. 58, March 15, 1897.

3111/2433. Skin and skull. Adult male. Santo Domingo de Guzman, Isthmus of Tehuantepec, Oaxaca, Mexico. April 30, 1890. Collector: A. C. Buller. Original number 142.

Skin in fair condition. Skull complete except for left side of mandible. Teeth showing some wear.

MEASUREMENTS: Skin: total length, 267 mm.; tail vertebrae, 134; hind foot, 22. Skull: basal length, 31.6; zygomatic breath, 20.3; length of upper tooth row, m^1–m^3, 5.8.

Marmosa mexicana savannarum Goldman

Proc. Biol. Soc. Washington, vol. 30, pp. 108–109, May 23, 1917.

= *Marmosa mexicana mexicana* Merriam. According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 66, art. 1, pp. 132–133, August 10, 1933.

18915. Skin and skull. Semi-adult male. Chiriqui, Boqueron, Panama. October 31, 1901. Collector: J. H. Batty. Original number 883.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 267 mm.; tail vertebrae, 147; hind foot, 20. Skull: basal length, 28.5; zygomatic breadth, 16.7; length of upper tooth row, m^1–m^4, 7.

Thylamys keaysi J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 13, art. 16, pp. 198–199, October 23, 1900.
= *Marmosa noctivaga keaysi* (Allen). According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 66, art. 1, p. 158, August 10, 1933.

16068. Skin and skull. Old adult male. "Mea Mines, 200 miles northeast of Juliaca, on the Inambari River," Peru. Altitude, 6000 feet. Originally labeled Juliaca, Peru. December 23, 1899 (not January 8, 1900, as in type description). Collector: H. H. Keays.

Skin in fair condition. Epidermis has slipped on the rump, leaving a small bare patch. Skull complete. Teeth well worn.

MEASUREMENTS: Skin: total length, 14 inches; tail vertebrae, 8 inches; hind foot, 7/8 inch. Skull: basal length, 36.5 mm.; zygomatic breadth, 20; length of upper tooth row, m^1–m^4, 5.9.

Marmosa yungasensis Tate
Amer. Mus. Novitates, no. 493, p. 7, September 26, 1931.

72558. Skin and skull. Old adult female. Pitiguaya, Rio Unduavi, Yungas, Bolivia. Altitude, 5600 feet. May 10, 1926. Collector: G. H. H. Tate. Original number 4037.

Skin in good condition. Skull complete. Teeth showing some wear.

MEASUREMENTS: Skin: total length, 305 mm.; tail vertebrae, 169; hind foot, 17. Skull: basal length, 33.0; zygomatic breadth, 18.4; length of tooth row, m^1–m^3, 5.7.

Thylamys carri J. A. Allen and Chapman
Bull. Amer. Mus. Nat. Hist., vol. 9, art. 2, pp. 27–28, February 26, 1897.
= *Marmosa carri* (Allen and Chapman). According to Trouessart, Catalogus mammalium tam viventium quam fossilium, suppl., p. 856, 1905.

7314/5922. Skin and skull. Adult male. Caparo (Cacao plantation), north central lowlands of Trinidad, West Indies. March 20, 1894. Collector: F. M. Chapman. Original number 731.

Skin in good condition. Skull complete. Teeth showing some wear.

MEASUREMENTS: Skin: total length, 315 mm.; tail vertebrae, 175; hind foot, 22. Skull: basal length, 34; zygomatic breadth, 19; length of upper tooth row, m^1–m^3, 5.9.

Marmosa oroensis Anthony
Amer. Mus. Novitates, no. 32, p. 3, March 4, 1922.
= *Marmosa caucae oroensis* Anthony. According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 66, art. 1, pp. 180–181, August 10, 1933.

47180. Skin and skull. Adult male. Portovelo, Province of El Oro, Ecuador. Altitude, 2000 feet. September 2, 1920. Collector: H. E. Anthony. Original number 1983.

Skin in good condition. Skull complete. Teeth unworn.

MEASUREMENTS: Skin: total length, 294 mm.; tail vertebrae, 170; hind foot, 20. Skull: basal length, 31; zygomatic breadth, 16.7; length of upper tooth row, m^1–m^4, 6.7.

Marmosa celicae Anthony
Amer. Mus. Novitates, no. 32, pp. 4–5, March 4, 1922.
= *Marmosa caucae oroensis* Anthony. According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 66, art. 1, pp. 180–181, August 10, 1933.

47182. Skin and skull. Adult male. Province of Loja, Ecuador. Altitude, 6900 feet. September 28, 1920. Collector: H. E. Anthony. Original number 2172.

Skin in good condition. Skull broken posteriorly.

MEASUREMENTS: Skin: total length, 278 mm.; tail vertebrae, 157; hind foot, 20. Skull: length of upper tooth row, c–m^4, 13.5, m^1–m^4, 6.5.

Marmosa caucae ucayaliensis Tate
Amer. Mus. Novitates, no. 493, p. 9, September 26, 1931.

78952. Skin and skull. Semi-adult male. Laharto, Rio Ucayali, eastern Peru. March 20, 1928. Collectors: Olalla and brothers.

Skin in good condition. Skull complete. Teeth unworn. Margin of foramen magnum broken.

MEASUREMENTS: Skin: total length, 255 mm.; tail vertebrae, 145; hind foot, 19. Skull: basal length, 28.0; zygomatic breadth, 16.2; length of upper tooth row, m^1–m^3, 5.6.

Marmosa unduaviensis Tate
Amer. Mus. Novitates, no. 493, pp. 11–12, September 26, 1931.

72563. Skin and skull. Adult male. Pitiguaya, Rio Unduavi, Yungas, Bolivia. Altitude,

5800 feet. May 12, 1926. Collector: G. H. H. Tate. Original number 4059.

Skin in good condition. Skull broken through in orbital region but now repaired. Teeth showing little wear.

MEASUREMENTS: Skin: total length, 222 mm.; tail vertebrae, 120; hind foot, 17. Skull: basal length, 26.5; zygomatic breadth, 15; length of upper tooth row, m^1–m^3, 5.

Marmosa aceramarcae Tate

Amer. Mus. Novitates, no. 493, p. 12, September 26, 1931.

72568. Skin and skull. Semi-adult female. Rio Aceramarca, tributary of Rio Unduavi, Yungas, Bolivia. Altitude, 10,800 feet. May 25, 1926. Collector: G. H. H. Tate. Original number 4187.

Skin in good condition. Skull broken and repaired. Left zygomatic arch missing.

MEASUREMENTS: Skin: total length, 195 mm.; tail vertebrae, 112; hind foot, 16. Skull: basal length, 23.6: length of upper tooth row, m^1–m^3, 4.7.

Marmosa juninensis Tate

Amer. Mus. Novitates, no. 493, p. 13, September 26, 1931.

63864. Skin and skull. Semi-adult female. Utcuyacu, between Tarma and Chanchamayo, Province of Junin, Peru. Altitude, 4800 feet. November 25, 1929. Collector: H. Watkins. Original number 15.

Skin in good condition. Skull incomplete, occipital segments of skull and right side of mandible missing.

MEASUREMENTS: Skin: total length, 246 mm.; tail vertebrae, 129; hind foot, 21. Skull: zygomatic breadth, 14.4; length of upper tooth row, m^1–m^3, 5.2.

GENUS **PHILANDER** BRISSON

Metachirus fuscogriseus J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 13, art. 16, pp. 194–195, October 23, 1900.

= *Philander opossum fuscogriseus* (Allen). According to Goodwin, Bull. Amer. Mus. Nat. Hist., vol. 79, art. 2, p. 113, May 29, 1942.

9920/8252. Skin and skull. Adult male. Presented by Albert Smith. The specimen was found alive in a bunch of bananas being unloaded in New York from a fruit steamer arriving from a Central American port, January 11, 1895. The type locality fixed by Allen as Greytown, Nicaragua.

Skin in fair condition, feet and tail grease burnt. Skull complete.

MEASUREMENTS: Skin: total length, 21 inches; tail vertebrae, 11 1/8 inches; hind foot, 1 5/8 inches. Skull: basal length, 61 mm.; zygomatic breadth, 32.5; length of upper tooth row, m^1–m^4, 14.5.

Metachirus grisescens J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 14, art. 15, pp. 217–218, July 3, 1901.

= *Philander opossum grisescens* (Allen). *Metachirus grisescens* is a subspecies of *Philander opossum.*

15072. Skin and skull. Adult female. Rio Cauca, Colombia. June, 1898. Collector: J. H. Batty.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 510 mm.; tail vertebrae, 240; hind foot, 38. Skull: basal length, 63.5; zygomatic breadth, 36.4; length of upper tooth row, m^1–m^4, 12.5.

GENUS **METACHIRUS** BURMEISTER

Metachirus tschudii J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 13, art. 16, pp. 195–196, October 23, 1900.

= *Metachirus nudicaudatus tschudii* Allen. *Tschudii* differs only subspecifically from *nudicaudatus.*

11815/10107. Skin and skull. Adult female. Guayabamba, Peru. Altitude 5500 feet. August 30, 1894. Collector: O. T. Baron.

Skin in fair condition, grease burnt about feet and abdomen. Skull complete.

MEASUREMENTS: Skin: total length, 500 mm.; tail vertebrae, 260; hind foot, 43. Skull: basal length, 52; zygomatic breadth, 26.7; length of upper tooth row, m^1–m^4, 10.5.

Metachirus nudicaudatus colombianus J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 13, art. 16, pp. 196–197, October 23, 1900.

15448. Skin and skull. Adult male. Donamo, Santa Marta District, Colombia. April 20, 1899. Collector: H. H. Smith. Original number 383.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 606 mm.; tail vertebrae, 310; hind foot, 45. Skull: basal length, 54.5; zygomatic breadth, 29.5; length of upper tooth row, m^1–m^4, 11.

Metachirus nudicaudatus antioquiae J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 35, art. 11, p. 83, April 28, 1916.

37751. Skin and skull. Adult male. La Frijalera Antioqua, Colombia. Altitude, 5000 feet. January 1, 1915. Collector: L. E. Miller and H. S. Boyle. Original number 1615.

Skin in good condition. Skull complete except for upper left canine teeth. Teeth well worn.

MEASUREMENTS: Skin: total length, 600 mm.; tail vertebrae, 312; hind foot, 50. Skull: basal length, 59; zygomatic breadth, 33.2; length of upper tooth row, m^1–m^4, 11.7.

GENUS **DIDELPHIS** LINNAEUS

Didelphis marsupialis insularis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 16, art. 20, pp. 259–260, August 18, 1902.

7740/6124. Skin and skull. Adult male. Caparo, Trinidad, West Indies. March 19, 1894. Collector: Frank M. Chapman.

Skin in fair condition, made over, grease burnt about ankles. Skull complete except for left pm^2. Teeth showing considerable wear.

MEASUREMENTS: Skin: total length, 910 mm.; tail vertebrae, 440; hind foot, 75. Skull: condylobasal length, 107 mm.; zygomatic breadth, 61.2; length of upper tooth row, c–m^4, 43.7.

Didelphis karkinophaga colombica J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 13, art. 16, pp. 193–194, October 23, 1900.
= *Didelphis marsupialis colombica* Allen. According to Allen, Bull. Amer. Mus. Nat. Hist., vol. 16, art. 20, p. 260, August 18, 1902.

15453. Skin and skull. Adult male. Bonda, Santa Marta, Colombia. April 19, 1899. Collector: H. H. Smith. Original number 380.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: "2–8 1/2 L., 1–5 3/4 T., –9 3/4 G., –2 1/4." Skull: condylobasal length, 94.7 mm.; zygomatic breadth, 52.7; length of upper tooth row, c–m^4, 39.

Didelphis karkinophaga caucae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 13, art. 16, p. 192. October 23, 1900.
= *Didelphis marsupialis caucae* Allen. According to Allen, Bull. Amer. Mus. Nat. Hist., vol. 16, art. 20, pp. 261–262, August 18, 1902.

14192. Skin and skull. Adult female. Cali, upper Cauca Valley, southwestern Colombia. June, 1898. Collector: J. H. Batty. Batty Parish Expedition number 239.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 740 mm.; tail vertebrae, 370; hind foot, 48. Skull: condylobasal length, 93.3; zygomatic breadth, 50.2; length of upper tooth row, c–m^4, 39.5.

Didelphis marsupialis etensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 16, art. 20, pp. 262–263, August 18, 1902.

18986. Formerly British Museum No. 0.3.1.86. Skin and skull. Adult male. Eten, Piura, Peru. Altitude, 50 feet. October 2, 1899. Collector: P. O. Simmons. Original number 628.

Skin in fair condition, grease burnt, made over. Skull complete.

MEASUREMENTS: Skin: total length, 850 mm.; tail vertebrae, 420; hind foot, 64. Skull: condylobasal length, 108.4; zygomatic breadth, 57.8; length of upper tooth row, c–m^4, 43.5.

Didelphis pernigra J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 16, art. 16, pp. 191–192, October 23, 1900.
= *Didelphis paraguayensis pernigra* Allen. According to Allen, Bull. Amer. Mus. Nat. Hist., vol. 16, art. 20, pp. 271–272, August 18, 1902.

16071. Skin and skull. Adult female. Juliaca (Inca Mines), Peru. Altitude, 7000 feet. February 12, 1900. Collector: H. H. Keays. Original number 34.

Skin in good condition. Skull complete. Teeth showing slight wear.

MEASUREMENTS: Skin: total length, 29 1/2 [inches]; tail, 14 1/2; hind foot, 2 1/2. Skull: condylobasal length, 87.5 mm.; zygomatic breadth, 42.5; length of upper tooth row, c–m^4, 36.4.

FAMILY **DASYURIDAE** WATERHOUSE

GENUS **ANTECHINUS** MACLEAY

Phascogale tafa Tate and Archbold
Amer. Mus. Novitates, no. 823, p. 3, March 9, 1936.
= *Antechinus mayeri tafa* (Tate and Archbold). According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 88, art. 3, p. 130, February 20, 1947.

104050. Archbold Collections. Skin and skull. Adult female. Eastern slope of Mt. Tafa, Central Division of Papua, British New Guinea. Altitude, 2100 meters. May 25, 1933. Collectors: Richard Archbold and

A. L. Rand. Original number 1379.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 279 mm.; tail vertebrae, 145; hind foot (s.u.), 25. Skull: basal length, 29.7; zygomatic breadth, 17.3; length of upper tooth row (crowns) m^1–m^3, 6.4.

Antechinus wilhelmina Tate

Bull. Amer. Mus. Nat. Hist., vol. 88, art. 3, pp. 130–131, February 20, 1947.

109811. Archbold Collections. Skin and skull. Adult male. Nine kilometers northeast of Lake Habbema, north of Mt. Wilhelmina, Netherlands New Guinea. Altitude, 2800 meters. October 19, 1938. 1938 New Guinea Expedition. Collector: W. B. Richardson. Original number 5186.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 238 mm.; tail vertebrae, 130; hind foot (s.u.), 20. Skull: condylobasal length, 28.6; zygomatic breadth, 17; length of upper tooth row, m^1–m^3, 5.4.

Antechinus tafa centralis Tate and Archbold

Amer. Mus. Novitates, no. 1101, p. 8, January 30, 1941.

= *Antechinus mayeri centralis* Tate and Archbold. According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 88, art. 3, p. 130, February 20, 1947.

109823. Archbold Collections. Skin and skull. Adult male. Bele River, 18 kilometers north of Lake Habbema, north of Mt. Wilhelmina, Netherlands New Guinea. Altitude, 2200 meters. November 17, 1938. Collector: W. B. Richardson. Original number 5695.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 281 mm.; tail vertebrae, 146; hind foot (s.u.), 26. Skull: condylo-incisive length, 34.3 mm.; zygomatic breadth, 19.2; length of upper tooth row, i^1–m^4, 17.6.

Antechinus habbema Tate and Archbold

Amer. Mus. Novitates, no. 1101, pp. 8–9, January 30, 1941.

= *Antechinus mayeri centralis* Tate and Archbold. According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 88, art. 3, p. 130, February 20, 1947.

109812. Archbold Collections. Skin and skull. Adult male. Nine kilometers northeast of Lake Habbema, north slope of Mt. Wilhelmina, Netherlands New Guinea. Altitude, 2800 meters. October 21, 1938. Collector: W. B. Richardson. Original number 5190.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 252 mm.; tail vertebrae, 140; hind foot (s.u.), 21. Skull: condylo-incisive length, 29.6; zygomatic breadth, 6.5; length of upper tooth row, i^1–m^4, 14.6.

GENUS **PHASCOLOSOREX** MATSCHIE

Phascogale (Phascolosorex) dorsalis whartoni Tate and Archbold

Amer. Mus. Novitates, no. 823, p. 4, March 9, 1936.

= *Phascolosorex dorsalis whartoni* (Tate and Archbold). According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 88, art. 3, pp. 138–139, February 20, 1947.

104046. Archbold Collections. Skin and skull. Adult male. Eastern slope of Mt. Tafa, Central Division of Papua, British New Guinea. Altitude, 2070 meters. May 23, 1932. Collectors: Richard Archbold and A. L. Rand. Original number 1372.

Skin in fair condition. Skull with right malar missing.

MEASUREMENTS: Skin: total length, 304 mm.; tail vertebrae, 131; hind foot, 24.7. Skull: basal length, 36.7; zygomatic breadth, 21; length of upper tooth row, m^1–m^3, 7.3.

GENUS **PLANIGALE** TROUGHTON

Planigale novaeguinae Tate and Archbold

Amer. Mus. Novitates, no. 1101, p. 7, January 30, 1941.

108561. Archbold Collections. Skin and skull. Adult male. Rona Falls, near Port Moresby, Central Division of Papua, British New Guinea. Altitude, 350 meters. January 20, 1937. Collector: G. H. H. Tate. Original number 3420.

Skin in good condition. Skull with posterior half missing.

MEASUREMENTS: Skin: total length, 170 mm.; tail vertebrae, 78; hind foot (s.u.), 14. Skull: length of upper tooth row, m^1–m^3, 4.3.

GENUS **SMINTHOPSIS** THOMAS

Phascogale rona Tate and Archbold

Amer. Mus. Novitates, no. 823, pp. 2–3, March 9, 1936.

= *Sminthopsis rufigenis* Thomas. According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 88, art. 3, p. 120, February 20, 1947.

104005. Archbold Collections. Skin and skull. Adult female. Rona, Laloki River, Central Division of Papua, British New Guinea. March 14, 1933. Collectors: Richard Archbold and A. L. Rand. Original number 1313.

Skin in fair condition. Skull with occipital region broken.

MEASUREMENTS: Skin: total length, 226 mm.; tail vertebrae, 98; hind foot (s.u.), 21. Skull: basal length, 25.3; zygomatic breadth, 16.3; length of upper tooth row, m^1–m^3, 5.1.

GENUS **MUREXIA** TATE AND ARCHBOLD

Phascogale (Murexia) rothschildi Tate

Novitates Zool., vol. 41, pp. 58–59, May, 1938. = *Murexia rothschildi* (Tate). According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 88, p. 118, February 20, 1947.

108106. Paratype. Archbold Collections. Skin and skull. Adult male. Head of Aroa River, Papua, British New Guinea. May 28, 1905. Collector: A. S. Meek. Original number 2.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin (dry): total length, 370 mm.; tail vertebrae, 180; hind foot, 28.8. Skull: greatest length, 43.5; zygomatic breadth, 23.7; length of upper tooth row, c–m^4, 16.8.

FAMILY **PERAMELIDAE** WATERHOUSE

GENUS **ECHYMIPERA** LESSON

Echymipera oriomo Tate and Archbold

Amer. Mus. Novitates, no. 823, pp. 1–2, March 9, 1936.

104573. Archbold Collections. Skin and skull. Adult male. Dogwa, Oriomo River, Western Division of Papua, British New Guinea. Altitude, 30 meters. March 1, 1934. Collectors: Richard Archbold and A. L. Rand. Original number 2085.

Skin in fair condition. Skull in fair condition.

MEASUREMENTS: Skin: basal length, 52.3 mm.; zygomatic breadth, 24; length of upper tooth row, c–m^4, 25.3; m^1–m^3, 10.5.

FAMILY **CAENOLESTIDAE** TROUESSART

GENUS **CAENOLESTES** THOMAS

Caenolestes caniventer Anthony

Amer. Mus. Novitates, no. 20, p. 6, November 3, 1921.

47174. Skin and skeleton. Adult male. El Chiral, western Andes, Province of El Oro, Ecuador. Altitude, 5350 feet. August 2, 1900. Collector: H. E. Anthony. Original number 1782.

Skin in good condition. Skeleton complete, foot bones in skin.

MEASUREMENTS: Skin: total length, 256 mm.; tail vertebrae, 127; hind foot, 26.5. Skull: condylobasal length, 32.5; zygomatic breadth, 16.3; length of upper tooth row, m^1–m^3, 5.4.

Caenolestes convelatus Anthony

Amer. Mus. Novitates, no. 120, pp. 1–3, June 21, 1924.

64462. Skin and skull. Adult male. Las Maquinas, western Andes, on trail from Aloag to Santo Domingo de los Colorados, Ecuador. Altitude, 7000 feet. September 24, 1923. Collector: H. E. Anthony. Original number 2779.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 256 mm.; tail vertebrae, 124; hind foot, 29. Skull: condylobasal length, 35.5; zygomatic breadth, 16.6; length of upper tooth row, m^1–m^3, 6.

Caenolestes tatei Anthony

Amer. Mus. Novitates, no. 55, pp. 1–2, January 31, 1923.

61860. Skin and skull with trunk in alcohol. Adult female. Molleturo, Province of Azuay, western Andes, Ecuador. Altitude, 7600 feet. June 11, 1922. Collector: G. H. H. Tate. Original number 552.

Skin in fair condition. The epidermis has slipped a little on the abdomen. Skull complete. Bones of feet in skin.

MEASUREMENTS: Skin: total length, 213 mm.; tail vertebrae, 117; hind foot, 22. Skull: condylobasal length, 27.1 mm.; zygomatic breadth, 13.2; length of upper tooth row, m^1–m^3, 4.7.

FAMILY **PHALANGERIDAE** THOMAS

GENUS **PHALANGER** STORR

Phalanger brevinasus Tate and Archbold

Amer. Mus. Novitates, no. 810, pp. 5–6, July 19, 1935.

104100. Archbold Collections. Skin and skull. Adult male. Mafulu, Central Division of Papua, British New Guinea. Altitude, 1250 meters. October 24, 1933. Collectors:

Richard Archbold and A. L. Rand. Original number 1564.

Skin in good condition. Skull complete, teeth well worn.

MEASUREMENTS: Skin: total length, 835 mm.; tail vertebrae, 395; hind foot (s.u.), 57. Skull: basal length, 79; zygomatic breadth, 56.2; length of upper tooth row, p^4–m^4, 24.3, m^1–m^3, 15.8.

Phalanger matsika Tate and Archbold
Amer. Mus. Novitates, no. 810, pp. 7–8, July 19, 1935.

104103. Archbold Collections. Skin and skull. Adult female. Matsika, Angabunga River, Central Division of Papua, British New Guinea. Altitude, 950 meters. November 22, 1933. Collectors: Richard Archbold and A. L. Rand. Original number 1628.

Skin in good condition. Skull with left m^4 missing.

MEASUREMENTS: Skin: total length, 775 mm.; tail vertebrae, 373; hind foot (s.u.), 58. Skull: basal length, 71.2; zygomatic breadth, 44.5; length of upper tooth row, p^4–m^4, 24.3.

Phalanger microdon Tate and Archbold
Amer. Mus. Novitates, no. 810, p. 8, July 19, 1935.
= *Phalanger orientalis mimicus* Thomas. According to Tate, Amer. Mus. Novitates, no. 1283, p. 12, April 27, 1945.

104401. Archbold Collections. Skin and skull. Adult female. Dogwa, Oriomo River, Western Division of Papua, British New Guinea. Altitude, 30 meters. February 27, 1934. Collectors: Richard Archbold and A. L. Rand. Original number 2075.

Skin in good condition. Skull broken in occipital region.

MEASUREMENTS: Skin: total length, 720 mm.; tail vertebrae, 324; hind foot (s.u.), 54.8. Skull: basal length, 72.5; zygomatic breadth, 47.9; length of upper tooth row, p^4–m^4, 21.

Phalanger orientalis peninsulae Tate
Amer. Mus. Novitates, no. 1283, pp. 2–3, April 27, 1945.

108905. Archbold Collections. Skin and skull. Adult male. Rocky Scrub, 30 miles north of Coen, north Queensland, Australia. June 26, 1938. Collector: G. Neuhäuser. Original number 509.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 795 mm.; tail vertebrae, 345; hind foot, 57. Skull: condylobasal length, 81; zygomatic breadth, 50; length of upper tooth row, c–m^4, 38.4.

Phalanger celebensis pelengensis Tate
Amer. Mus. Novitates, no. 1283, p. 3, April 27, 1945.

107997. Archbold Collections. Skin and skull. Adult male. Peleng Island, Celebes, Netherlands East Indies. July 25, 1938. Collector: J. J. Menden. Original number 190.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 630 mm.; tail vertebrae, 266; hind foot, 47. Skull: condylobasal length, 66.5; zygomatic breadth, 42; length of upper tooth row, p^4–m^4, 19.

Phalanger atrimaculatus Tate
Amer. Mus. Novitates, no. 1283, p. 4, April 27, 1945.

151813. Archbold Collections. Skin and skull. Adult male. Bernhard Camp, Idenburg River, 100 miles southwest of Hollandia, Netherlands New Guinea. Altitude, 75 meters. Collector: W. B. Richardson. May 5, 1939. Original number 8017.

Skin in good condition. Skull complete. Teeth well worn.

MEASUREMENTS: Skin: total length, 1204 mm.; tail vertebrae, 610; hind foot (s.u.), 75. Skull: condylobasal length, 107; zygomatic breadth, 74; length of upper tooth row, c–m^4, 56.5.

Phalanger ursinus togianus Tate
Amer. Mus. Novitates, no. 1283, p. 4, April 27, 1945.

153377. Archbold Collections. Skin and skull. Semi-adult male. Malenge, Togian Islands, Gulf of Tomini, Celebes, Netherlands East Indies. December 17, 1939. Collector: J. J. Menden. Original number 220.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 1106 mm.; tail vertebrae, 542; hind foot, 104. Skull: condylobasal length, 93; zygomatic breadth, 60.5; length of upper tooth row, p^4–m^4, 31.

GENUS **PETAURUS** SHAW

Petaurus (Petaurella) papuanus tafa Tate and Archbold
Amer. Mus. Novitates, no. 810, pp. 1–2, July 19, 1935.

= *Petaurus breviceps tafa* Tate and Archbold. According to Tate, Amer. Mus. Novitates, no. 1305, p. 10, December 29, 1945.

104028. Archbold Collections. Skin and skull. Young adult male. Eastern Ridge, Mt. Tafa, Central Division of Papua, British New Guinea. Altitude, 2000 meters. May 19, 1934. Collectors: Richard Archbold and A. L. Rand. Original number 1362.

Skin in good condition. Skull with posterior parts broken.

MEASUREMENTS: Skin: total length, 290 mm.; tail vertebrae, 155; hind foot, 20.9. Skull: palatal length, 15.5; length of upper tooth row, p^4–m^4, 7.

Petaurus (Petaurella) papuanus flavidus Tate and Archbold

Amer. Mus. Novitates, no. 810, pp. 2–3, July 19, 1935.

= *Petaurus breviceps flavidus* Tate and Archbold. According to Tate, Amer. Mus. Novitates, no. 1305, p. 9, December 29, 1945.

104465. Archbold Collections. Skin and skull. Adult male. Dogwa, Oriomo River, Western Division of Papua, British New Guinea. Altitude, 30 meters. February 17, 1934. Collectors: Richard Archbold and A. L. Rand. Original number 1885.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 320 mm.; tail vertebrae, 171; hind foot, 24.3. Skull: occipitonasal length, 35.8; zygomatic breadth, 25.8; length of upper tooth row, p^4–m^4, 7.8.

GENUS **DACTYLOPSILA** GRAY

Dactylopsila trivirgata infumata Tate

Amer. Mus. Novitates, no. 1305, pp. 4–5, December 29, 1945.

107203. Archbold Collections. Skin and skull. Adult male. Lake Barrine, near Cairns, Queensland, Australia. Altitude, 2400 feet. December 12, 1937. Collector: Gabriele Neuhäuser. Original number 124.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 620 mm.; tail vertebrae, 347; hind foot (s.u.), 46. Skull: condylobasal length, 55.5; zygomatic breadth, 42.3; length of upper tooth row, p^4–m^4, 14.4.

GENUS **PSEUDOCHEIRUS** OGILBY

Pseudochirus (Pseudochirulus) forbesi longipilis Tate and Archbold

Amer. Mus. Novitates, no. 810, pp. 4–5, July 19, 1935.

= *Pseudocheirus forbesi longipilis* Tate and Archbold. According to Tate, Amer. Mus. Novitates, no. 1287, pp. 11–12, June 11, 1945.

104037. Archbold Collections. Skin and skull. Adult male. Mave, Tafa Range, Central Division of Papua, British New Guinea. Altitude, 2225 meters. September 6, 1933. Collectors: Richard Archbold and A. L. Rand. Original number 1511.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 515 mm.; tail vertebrae, 259; hind foot, 35.6. Skull: basal length, 46.2; zygomatic breadth, 29.2; length of upper tooth row, p^4–m^4, 14.6.

Pseudocheirus herbertensis cinereus Tate

Amer. Mus. Novitates, no. 1287, p. 17, June 11, 1945.

107275. Archbold Collections. Skin and skull. Adult male. Mt. Spurgeon, about 65 miles northwest of Cairns, northern Queensland, Australia. Altitude, 4000 feet. November 28, 1937. Collector: Gabriele Neuhäuser. Original number 179.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 764 mm.; tail vertebrae, 384; hind foot, 42. Skull: condylobasal length, 69; zygomatic breadth, 39; length of upper tooth row, p^4–m^4, 18.

Pseudochirus (Pseudochirops) cupreus obscurior Tate and Archbold

Amer. Mus. Novitates, no. 810, pp. 3–4, July 19, 1935.

= *Pseudocheirus (Pseudochirops) cupreus cupreus* Thomas. According to Tate, Amer. Mus. Novitates, no. 1287, p. 20, June 11, 1945.

104114. Archbold Collections. Skin and skull. Adult female. West slope of Mt. Tafa, Central Division of Papua, British New Guinea. Altitude, 2400 meters. September 17, 1933. Collectors: Richard Archbold and A. L. Rand. Original number 1527.

Skin in good condition. Skull with part of left premaxilla missing.

MEASUREMENTS: Skin: total length, 705 mm.; tail vertebrae, 310; hind foot, 41.5. Skull: condylobasal length, 70.3; zygomatic breadth, 43.9; length of upper tooth row, p^4–m^4, 22.

FAMILY **MACROPODIDAE** OWEN

GENUS **THYLOGALE** GRAY

Macropus coxenii oriomo Tate and Archbold
Amer. Mus. Novitates, no. 804, p. 1, May 21, 1935.
= *Thylogale stigmatica oriomo* (Tate and Archbold). According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 91, art. 2, p. 316, November 1, 1948.

104429. Archbold Collections. Skin and skull. Adult male. Wuroi, Oriomo River, Western Division of Papua, British New Guinea. February 2, 1934. Collector: Richard Archbold. Original number 1745.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 965 mm.; tail vertebrae, 390; hind foot, 117. Skull: basal length, 95; zygomatic breadth, 52; length of upper tooth row, m^1–m^3, 17.4.

ORDER **INSECTIVORA** BOWDICH

FAMILY **ERINACEIDAE** BONAPARTE

GENUS **NEOTETRACUS** TROUESSART

Neotetracus sinensis cuttingi Anthony
Publ. Field Mus. Nat. Hist., zool. ser., vol. 27, pp. 58–61, December 8, 1941.

115503. Skin and skull, trunk in alcohol. Adult male. Hpimaw Road, above Hpimaw Fort, northeastern Burma. Altitude, 9000 feet. February 23, 1939. Collector: H. E. Anthony. Vernay Cutting Burma Expedition. Original number 4201.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 175 mm.; tail vertebrae, 61; hind foot, 25. Skull: greatest length, 32; zygomatic breadth, 17.5; length of upper tooth row, 16.4.

GENUS **ERINACEUS** LINNAEUS

Erinaceus orientalis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 19, art. 4, pp. 179–181, March 31, 1903.
= *Erinaceus* [*europaeus*] *amurensis* Schrenck. According to Ognev, Mammals of eastern Europe and northern Asia, vol. 1, p. 97, 1928.

18355. Skin and skull. Adult female. Vladivostock, Siberia. July 18, 1900. Collector: N. G. Buxton. Jesup North Pacific Expedition. Original number 9.
Skin in fair condition. Skull complete, except for one upper and two lower incisors, teeth well worn.
MEASUREMENTS: Skin: total length, 312 mm.; tail vertebrae, 42; hind foot, 50. Skull: condylobasal length, 61; zygomatic breadth, 39; length of upper tooth row, m^1–m^4, 15.3.

GENUS **ATELERIX** POMEL

Atelerix faradjius J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 47, art. 1, pp. 13–14, July 20, 1922.

51006. Skin and skull. Adult female. Faradje, northeastern Belgian Congo. July 7, 1911. Collectors: Herbert Lang and James P. Chapin. Original number 1660.
Skin in fair condition. Skull complete except for both last upper molars.
MEASUREMENTS: Skin: total length, 249 mm.; tail vertebrae, 19; hind foot, 29. Skull: condylobasal length, 44.7; zygomatic breadth, 27.6; length of upper tooth row, m^1–m^3, 9.

Atelerix langi J. A. Allen
Bull. Amer. Nat. Hist., vol. 47, art. 1, pp. 15–16, July 20, 1922.

51000. Skin and skull. Adult female. Faradje, northeastern Belgian Congo. March 22, 1911. Collectors: Herbert Lang and James P. Chapin. Original number 1544.
Skin in fair condition. Skull complete. Molars showing considerable wear.
MEASUREMENTS: Skin: total length, 195 mm.; tail vertebrae, 20; hind foot, 28. Skull: condylobasal length, 42.8; zygomatic breadth, 29; length of upper tooth row, m^1–m^3, 9.

FAMILY **MACROSCELIDIDAE** MIVART

GENUS **ELEPHANTULUS** THOMAS AND SCHWANN

Elephantulus intufi mossamedensis Hill and Carter
Amer. Mus. Novitates, no. 937, p. 1, July 13, 1937.

85664. Skin and skull. Adult male. One hundred and one kilometers east of Mossamedes, Angola (railroad stop). July 6, 1925. Collector: Herbert Lang. Vernay Angola Expedition. Original number 222.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 235 mm.; tail vertebrae, 123; hind foot, 34. Skull: condylo-incisive length, 31.4; zygomatic breadth, 20.1; length of upper tooth row (maxillary alveoli), 13.

FAMILY **SORICIDAE** GRAY

GENUS **SOREX** LINNAEUS

Sorex buxtoni J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 19, art. 4, pp. 181–182, March 31, 1903.
= *Sorex macropygmaeus macropygmaeus* Miller. According to Ognev, Mammals of eastern Europe and northern Asia, vol. 1, p. 229, 1928.
= *Sorex buxtoni buxtoni*[1] J. A. Allen. According to G. M. Allen, The mammals of China and Mongolia, Natural history of Central Asia, vol. 11, pt. 1, p. 89, September 2, 1938.

18655. Skin and skull. Adult female. Gichiga, west coast of Okhotsk Sea, Siberia. July 27, 1901. Collector: N. G. Buxton. Jesup North Pacific Expedition. Original number 953.
Skin in good condition. Skull complete. Large anterior tooth missing on upper left side.
MEASUREMENTS: Skin: total length, 106 mm.; tail vertebrae, 34; hind foot, 14. Skull: greatest length, 17; zygomatic breadth, 8.2; length of upper tooth row, 7.

Sorex bedfordiae gomphus G. M. Allen
Amer. Mus. Novitates, no. 100, pp. 3–4, December 28, 1923.
= *Sorex cylindricauda gomphus* Allen. According to Allen, The mammals of China and Mongolia, Natural history of Central Asia, vol. 11, pt. 1, p. 97, September 2, 1938.

44320. Skin and skull. Adult male. Mucheng, Salween drainage, western Yunnan, China. Altitude, 7000 feet. February 11, 1917. Collectors: R. C. Andrews and E. Heller. Original number 1524.
Skin in fair condition. Skull complete.
MEASUREMENTS: Skin: total length, 94 mm.; tail vertebrae, 39; hind foot, 13. Skull: greatest length, 16.6; greatest width, 8.0; length of upper tooth row, 7.

Sorex excelsus G. M. Allen
Amer. Mus. Novitates, no. 100, pp. 4–5, December 28, 1923.
= *Sorex* (?) *araneus excelsus* Allen. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 53, November 19, 1951.

[1] Ellerman and Morrison-Scott (Checklist of Palaearctic and Indian mammals, p. 49, November 19, 1951) list *buxtoni* and *macropygmaeus* under *Sorex caecutiens* Laxmann.

44359. Skin and skull. Adult male. Ho-Shan, Pei-tai, 30 miles south of Chung-Tien, Yunnan, China. Altitude, 13,000 feet. November 29, 1916. Collectors: R. C. Andrews and E. Heller. Original number 1039.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 111 mm.; tail vertebrae, 51; hind foot, 13. Skull: greatest length, 18.7; breadth of braincase, 8.6; length of upper tooth row, 8.2.

Sorex gravesi[2] Goodwin
Amer. Mus. Novitates, no. 657, pp. 1–2, September 8, 1933.

85445. Skin and skull. Adult female. Monoma River, 80 miles east of Troitskov, Maritime Province, East Siberia. January 14, 1930. Collector: G. G. Goodwin. Morden Graves North Asiatic Expedition. Original number 128.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 100 mm.; tail vertebrae, 35; hind foot, 15. Skull: condylobasal length, 19.2; greatest breadth of braincase, 9.5; length of maxillary tooth row, 8.6.

Sorex cinereus ugyunak Anderson and Rand
Canadian Field Nat., vol. 59, no. 2, pp. 62–63, March–April, 1945.

31365. Skin and skull. Adult male. Tuktuk (Tuktuyaktok), northeast side of Mackenzie River delta, south of Toker Point, Mackenzie District, Northwest Territories, Canada. September 30, 1909. Collector: R. M. Anderson. Original number 358.
Skin in fairly good condition. Skull lacking teeth and left side of mandible.
MEASUREMENTS: Skin: total length, 89 mm.; tail vertebrae, 25; hind foot, 11. Skull: condylobasal length, 15.1; cranial breadth, 7.3; length of maxillary tooth row, 3.9.

Sorex gaspensis Anthony and Goodwin
Amer. Mus. Novitates, no. 109, pp. 1–2, March 10, 1924.

64190. Skin and skull. Adult male. Mt. Albert, Gaspé Peninsula, Quebec, Canada. Altitude, 2000 feet. September 5, 1923. Collector: George G. Goodwin. Original number 323.

[2] Ellerman and Morrison-Scott (Checklist of Palaearctic and Indian mammals, p. 53, November 19, 1951) list *gravesi* under *araneus* Linnaeus.

Skin in good condition. Skull complete but slightly pressed out of shape in left pterygoid region.

MEASUREMENTS: Skin: total length, 102 mm.; tail vertebrae, 47; hind foot, 10.5. Skull: greatest length, 16.9; breadth of braincase, 7.4; length of upper tooth row, 6.9.

GENUS **SORICULUS** BLYTH

Soriculus caudatus umbrinus G. M. Allen
Amer. Mus. Novitates, no. 100, p. 5, December 28, 1923.

44338. Skin and skull. Adult male. Mu-cheng, Salween River drainage, Yunnan, China. Altitude, 7000 feet. February 11, 1917. Collectors: R. C. Andrews and E. Heller. Asiatic Zoological Expedition, 1917. Original number 1527.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 115 mm.; tail vertebrae, 55; hind foot, 12. Skull: greatest length, 18.1; mastoid width, 9; length of upper tooth row, 8.1.

SUBGENUS **CHODSIGOA** KASHTCHENKO

Chodsigoa hypsibia parva G. M. Allen
Amer. Mus. Novitates, no. 100, pp. 5–6, December 28, 1923.
= *Chodsigoa parva* Allen. According to Allen, The mammals of China and Mongolia, Natural history of Central Asia, vol. 11, pt. 1, pp. 107–108, September 2, 1938.
= *Soriculus hypsibius parvus* (Allen). According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 60, November 19, 1951.

44390. Skin and skull. Adult male. Li-chiang, Ssu-san-chong, Yunnan, China. Altitude, 9000 feet. October 12, 1916. Collectors: R. C. Andrews and E. Heller. Original number 379.

Skin in good condition. Skull fragmentary.

MEASUREMENTS: Skin: total length, 98 mm.; tail vertebrae, 44; hind foot, 11.5. Skull: length of upper tooth row, 6.6.

Chodsigoa smithii parca G. M. Allen
Amer. Mus. Novitates, no. 100, pp. 6–7, December 28, 1923.
= *Soriculus salenskii parca* (Allen). According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 60, November 19, 1951.

44409. Skin and skull. Adult male. Ho-mu-shu Pass, western Yunnan, China. Altitude, 8000 feet. April 6, 1917. Collectors: R. C. Andrews and E. Heller. Asiatic Zoological Expedition, 1917. Original number 1850.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 161 mm.; tail vertebrae, 91; hind foot, 17.5. Skull: greatest length, 19.3; greatest breadth, 9; length of upper tooth row, 8. 5.

Chodsigoa smithii furva Anthony
Publ. Field Mus. Nat. Hist., zool. ser., vol. 27, pp. 71–72, December 8, 1941.
= *Soriculus salenskii furvus* (Anthony). According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 60, November 19, 1951.

114620. Skin and skull. Adult male. Imaw Bum, northern Burma. Altitude, 9000 feet. January 21, 1939. Collector: H. E. Anthony. Vernay Cutting Burma Expedition. Original number 3858.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 158 mm.; tail vertebrae, 87; hind foot, 18. Skull: greatest length, 21; width of braincase, 9.5; length of upper tooth row, 9.

GENUS **BLARINA** GRAY

Blarina costaricensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 3, no. 2, pp. 205–206, April 17, 1891.
= *Blarina brevicauda* (Say). According to Merriam, North Amer. Fauna, no. 10, p. 10, December 31, 1895. Merriam gives the locality as upper Mississippi Valley where Cherrie lived before he went to Costa Rica. The specimen had no label when it reached Allen. This determination is questioned by Allen (Bull. Amer. Mus. Nat. Hist., vol. 9, p. 34, March 11, 1897), for he quotes Cherrie's reiteration of his statement that the specimen was taken by himself in Costa Rica at the locality stated and that an error was impossible.

3642/2800. Skin in alcohol, skull removed. Adult. La Carpintera, Costa Rica. October, 1890. Collector: G. K. Cherrie.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 117 mm.; tail vertebrae, 28; hind foot, 15.2. Skull: total length, 23.5; greatest width, 12.2; length of upper tooth row, 10.5.

GENUS **CRYPTOTIS** POMEL

Blarina montivaga Anthony
Amer. Mus. Novitates, no. 20, p. 5, November 3, 1921.

= *Cryptotis montivaga* (Anthony). *Cryptotis* is the current generic name for the little short-tailed shrew.

47200. Skin and skeleton. Adult female. Bestion, Province of Azuay, Ecuador. Altitude, 10,000 feet. January 15, 1921. Collector: H. E. Anthony. Original number 2534.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 112 mm.; tail vertebrae, 31; hind foot, 15. Skull: greatest length, 22; mastoid width, 10.5; length of upper tooth row, 9.7.

Blarina (Cryptotis) squamipes J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 31, art. 7, pp. 93–94, April 19, 1912.

= *Cryptotis squamipes* (Allen). *Cryptotis* is now recognized as a full genus.

32378. Skin and skull. Adult male. Coastal range (Paramo), 40 miles west of Popayan, Cauca, Colombia. Altitude, 10,340 feet. July 17, 1911. Collector: Leo E. Miller.

Skin in good condition. Skull incomplete, lacking cranium; dentition complete.

MEASUREMENTS: Skin: total length, 128 mm.; tail vertebrae, 42; hind foot, 18. Skull: length of upper tooth row, 10.5.

Blarina (Soriciscus) nigrescens J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 7, art. 10, pp. 339–340, November 8, 1895.

= *C[ryptotis] nigrescens* (Allen). According to Miller, Proc. Biol. Soc. Washington, vol. 24, p. 222, October 31, 1911.

9591/7952. Skin and skull. Adult. San Isidro (San José), Costa Rica. September 5, 1891. Collector: G. K. Cherrie. Original number 2004.

Skin in fair condition, epidermis slipped on abdomen. Skull complete.

MEASUREMENTS: Skin: total length, 87 mm.; tail vertebrae, 22; hind foot, 12. Skull: total length, 20; width of braincase, 9.5; upper tooth row, 9.

Blarina (Soriciscus) orophila J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 7, art. 10, p. 340, November 8, 1895.

= *C[ryptotis] orophila* (Allen). According to Miller, Proc. Biol. Soc. Washington, vol. 24, p. 221, October 31, 1911.

9640/9558. Skin and skull. Adult. Volcan de Irazú, Costa Rica. February, 1894. Collector: G. K. Cherrie.

Skin, a dried mummy, originally in alcohol. Skull imperfect, lacking braincase; dentition complete.

MEASUREMENTS: Skin: total length, 76 mm.; tail vertebrae, 21; hind foot, 11. Skull: length of upper tooth row, 8.

Blarina olivaceus J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 24, p. 669, October 13, 1908.

= *Cryptotis olivaceus* (Allen). According to Miller, North American land mammals, 1911, p. 26, December 31, 1912.

= *Cryptotis olivacea* (Allen). According to Miller, North American Recent mammals, p. 32, March 18, 1924.

28356. Skin and skull. Adult female. San Rafael del Norte, Nicaragua. Altitude, 5000 feet. April 12, 1907. Collector: W. B. Richardson. Original number 41.

Skin in fair condition. Skull incomplete, lacking parietal and occipital portions.

MEASUREMENTS: Skin: total length, 80 mm.; tail vertebrae, 17; hind foot, 10. Skull: length of upper tooth row, 7.5.

GENUS **CROCIDURA** WAGLER

Crocidura kijabae J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 25, p. 173, March 19, 1909.

= *Crocidura occidentalis kijabae* Allen. According to G. M. Allen, Bull. Mus. Comp. Zool., vol. 83, p. 41, February, 1939.

27890. Skin and skull. Adult female. Kijabe, Kenya Colony. June 2, 1906. Collectors: R. Tjader and H. Lang. Original number 62, skull number 17.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 201 mm.; tail vertebrae, 78; hind foot (dry), 20. Skull: greatest length, 30; greatest breadth, 12; length of upper tooth row, 14.1.

Crocidura oritis Hollister

Bull. Amer. Mus. Nat. Hist., vol. 35, art. 35, p. 666, pl. 7, fig. 2, pl. 8, figs. 2, 2a, October 21, 1916.

48510. Skin and skull. Adult male. Avakubi, Ituri River, Belgian Congo. July 6, 1914. Collectors: H. Lang and J. P. Chapin. Original number 2530.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 159 mm.; tail vertebrae, 65; hind foot, 18. Skull: greatest length, 23.4; greatest breadth, 10.2; length of upper tooth row, 10.4.

Crocidura caliginea Hollister

Bull. Amer. Mus. Nat. Hist., vol. 35, art. 35, pp. 664–665, pl. 7, fig. 1, pl. 8, figs. 1, 1a, October 21, 1916.

48555. Skin and skull. Adult female. Medje, Belgian Congo. July 8, 1914. Collectors: H. Lang and J. A. Chapin. Original number 2451.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 125 mm.; tail vertebrae, 54; hind foot, 12. Skull: condylo-incisive length, 21.3; greatest breadth, 9.5; length of upper tooth row, 10.

Crocidura latona Hollister

Bull. Amer. Mus. Nat. Hist., vol. 35, art. 35, pp. 667–668, pl. 7, fig. 3, pl. 8, figs. 3, 3a, October 21, 1916.

48610. Skin and skull. Adult male. Medje, Belgian Congo. March 17, 1910. Collectors: H. Lang and J. P. Chapin. Original number 773.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 135 mm.; tail vertebrae, 59; hind foot, 14. Skull: condylo-incisive length, 19.8; greatest breadth, 8.9; length of upper tooth row, 8.7.

Crocidura ludia Hollister

Bull. Amer. Mus. Nat. Hist., vol. 35, art. 35, pp. 668–669, pl. 7, fig. 4, pl. 9, figs. 1, 1a, October 21, 1916.

48566. Skin and skull. Adult male. Medje, Belgian Congo. May 16, 1914. Collectors: H. Lang and J. P. Chapin. Original number 2366.

Skin in good condition. Skull damaged in occipital region.

MEASUREMENTS: Skin: total length, 120 mm.; tail vertebrae, 60; hind foot, 14. Skull: condylo-incisive length, 18.2; greatest breadth, 8.2; length of upper tooth row, 7.8.

Crocidura polia Hollister

Bull. Amer. Mus. Nat. Hist., vol. 35, art. 35, pp. 669–670, pl. 7, fig. 5, pl. 9, figs. 2, 2a, October 21, 1916.

48559. Skin and skull. Adult male. Medje, Belgian Congo. July 1, 1914. Collectors: H. Lang and J. P. Chapin. Original number 2442.

Skin in good condition. Skull complete, fair condition.

MEASUREMENTS: Skin: total length, 130 mm.; tail vertebrae, 72; hind foot, 13. Skull: condylo-incisive length, 18.2; greatest breadth, 8.2; length of upper tooth row, 7.8.

Crocidura congobelgica Hollister

Bull. Amer. Mus. Nat. Hist., vol. 35, art. 35, pp. 670–671, pl. 7, fig. 6, pl. 9, figs. 3, 3a, October 21, 1916.

48512. Skin and skull. Adult male. Lubila, near Bafwasende, Belgian Congo. September 20, 1909. Collectors: H. Lang and J. P. Chapin. Original number 122.

Skin in good condition. Skull incomplete, damaged in occipital region.

MEASUREMENTS: Skin: total length, 133 mm.; tail vertebrae, 59; hind foot, 14. Skull: length of upper tooth row, 9.1.

Crocidura luimbalensis Hill and Carter

Amer. Mus. Novitates, no. 937, pp. 1–2, July 13, 1937.

85701. Skin and skull. Adult male. Luimbale, Angola. October 7, 1926. Collector: C. P. Chapman. Original number 17.

Skin in fair condition. Skull incomplete, lacking occipital region, hook on first upper left incisor broken.

MEASUREMENTS: Skin: total length, 148 mm.; tail vertebrae, 45; hind foot, 13. Skull: basal length, 21.4; greatest breadth, 10.4; length of upper tooth row, 10.4.

Crocidura cuanzensis Hill and Carter

Amer. Mus. Novitates, no. 937, pp. 2–3, July 13, 1937.

85558. Skin and skull. Adult male. Chitau, Angola. Altitude, 4930 feet. August 10, 1925. Collector: H. Lang. Vernay Angola Expedition. Original number 534.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 117 mm.; tail vertebrae, 35; hind foot, 14.9 (12 mm. in dried skin). Skull: condylo-incisive length, 20.8; greatest breadth, 9.4; length of upper tooth row, 9.

Crocidura chitauensis Hill and Carter

Amer. Mus. Novitates, no. 937, p. 3, July 13, 1937.

85566. Skin and skull. Adult female. Chitau, Angola. Altitude, 4930 feet. August 4, 1925. Collector: H. Lang. Vernay Angola Expedition. Original number 429.

Skin in good condition. Skull complete except for bullae.

MEASUREMENTS: Skin (dry): total length, 105 mm.; tail vertebrae, 30; hind foot, 11.7. Skull: condylo-incisive length, 20; greatest breadth, 8.9; length of upper tooth row, 8.8.

Crocidura dracula mansumensis Carter
Amer. Mus. Novitates, no. 1208, p. 1, November 12, 1942.

113034. Skin and skull. Adult female. Mansum, northern Burma. Altitude, 3200 feet. January 22, 1935. Collector: H. C. Raven. Vernay Hopwood Chindwin Expedition. Original number 71.
Skin in good condition. Skull complete except for bullae.
MEASUREMENTS: Skin: total length, 152 mm.; tail vertebrae, 57; hind foot, 13 (dry, 15.5). Skull: greatest length, 22.7; greatest breadth, 10; length of upper tooth row, 10.2.

Crocidura lar G. M. Allen
Amer. Mus. Novitates, no. 317, p. 1, May 19, 1928.
= *Crocidura ilensis lar* Allen. According to Allen, The mammals of China and Mongolia, Natural history of Central Asia, vol. 11, pt. 1, p. 130, September 28, 1938.
= *Crocidura suaveolens lar* Allen. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 78, November 19, 1951.

59940. Skin only. Adult male. Tsagan Nor, central Gobi, Mongolia. August 3, 1922. Collector: R. C. Andrews. Third Asiatic Expedition. Original number 1710.
Skin in good condition. Skull apparently lost in the field.
MEASUREMENTS: Skin: total length, 89 mm.; tail vertebrae, 29; hind foot, 12.

Crocidura suaveolens mordeni Goodwin
Amer. Mus. Novitates, no. 742, p. 1, August 27, 1934.
= *Crocidura suaveolens suaveolens* Pallas. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 76, November 19, 1951.

85315. Skin and skull. Adult female. Tuz Bulak, 150 miles north of Kizil Orda (Perovsk), Kazakstan, U.S.S.R. Altitude, 600 feet. October 21, 1929. Collector: George G. Goodwin. Morden Graves North Asiatic Expedition. Original number 49.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 90 mm.; tail vertebrae, 30; hind foot, 12.5. Skull: condylobasal length, 16.8; greatest breadth, 8.2; length of upper tooth row, 7.9.

Crocidura hyrcania Goodwin
Amer. Mus. Novitates, no. 1062, pp. 1–2, July 18, 1940.
= *Crocidura* (?) *suaveolens hyrcania* Goodwin. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 78, November 19, 1951.

88738. Skin and skull. Adult male. Taken on the banks of the Gurgan River, Turkman Plains, about 50 kilometers northeast of Astrabad, Iran. Altitude, sea level. October 30, 1938. Collector: G. G. Goodwin. Legendre 1938 Iran Expedition. Original number 3733.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 100 mm.; tail vertebrae, 40; hind foot, 13. Skull: greatest length, 17.5; greatest breadth, 8.25; length of upper tooth row, 7.7.

Crocidura ilensis phaeopus G. M. Allen
Amer. Mus. Novitates, no. 100, p. 7, December 28, 1923.
= *Crocidura suaveolens phaeopus* Allen. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 78, November 19, 1951.

56013. Skin and skull. Adult female. Wanhsien, Szechwan, China. November 2, 1921. Collector: W. Granger. Third Asiatic Expedition. Original number 1143.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 99 mm.; tail vertebrae, 37; hind foot, 12. Skull: greatest length, 16.9; breadth of braincase, 7.6; length of upper tooth row, 7.3.

Crocidura rapax G. M. Allen
Amer. Mus. Novitates, no. 100, pp. 9–10, December 28, 1923.
= *Crocidura russula rapax* Allen. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 81, November 19, 1951.

44321. Skin and skull. Adult male. Yinp-pankai, Mekong River, southern Yunnan, China. Altitude, 9000 feet. December 25, 1916. Collectors: R. C. Andrews and E. Heller. Asiatic Zoological Expedition. Original number 1258.
Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 106 mm.; tail vertebrae, 42; hind foot, 12.5. Skull: greatest length, 18; greatest breadth, 8.2; length of upper tooth row, 8.

Crocidura vorax G. M. Allen
Amer. Mus. Novitates, no. 100, pp. 8–9, December 28, 1923.
= *Crocidura russula vorax* Allen. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 80, November 19, 1951.

44383. Skin and skull. Adult male. Taken in timber-line forest on Ssu-shan (Snow Mountain), Li-chiang, Yunnan, China. Altitude, 12,000 feet. October 15, 1916. Collectors: R. C. Andrews and E. Heller. Asiatic Zoological Expedition. Original number 432.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 123 mm.; tail vertebrae, 51; hind foot, 13. Skull: greatest length, 19.8; greatest breadth, 9; length of upper tooth row, 8.3.

Crocidura astrabadensis Goodwin[1]
Amer. Mus. Novitates, no. 1082, p. 3, July 18, 1940.

88735. Skin and skull. Adult female. Dar Kaleh, deciduous forest country, 40 kilometers east of Astrabad, Iran. October 23, 1938. Collector: G. G. Goodwin. Legendre 1938 Iran Expedition. Original number 3679.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 100 mm.; tail vertebrae, 32; hind foot, 12. Skull: greatest length, 17.7; greatest breadth, 8.5; length of upper tooth row, 7.85.

GENUS **SYLVISOREX** THOMAS

Sylvisorex oriundus Hollister
Bull. Amer. Mus. Nat. Hist., vol. 35, art. 35, pp. 672–673, pl. 7, fig. 7, pl. 9, figs. 4, 4a, pl. 11, fig. 1, October 21, 1916.

48554. Skin and skull. Adult female. Medje, Nava River, Belgian Congo. May 20, 1914. Collectors: H. Lang and J. P. Chapin. Original number 2308.
Skin in good condition. Skull with badly crushed braincase.
MEASUREMENTS: Skin: total length, 134 mm.; tail vertebrae, 62; hind foot, 18. Skull: condylo-incisive length, 20.5; length of upper tooth row, 8.9.

[1] It is possible that this form represents *Crocidura russula caspica* Thomas.

GENUS **ANOUROSOREX** MILNE-EDWARDS

Anourosorex squamipes capnias G. M. Allen
Amer. Mus. Novitates, no. 100, pp. 10–11, December 28, 1923.
= *Anourosorex* [*squamipes*] *squamipes* Milne-Edwards. According to G. M. Allen, The mammals of China and Mongolia, Natural history of Central Asia, vol. 11, pt. 1, p. 138, September 2, 1938.

44505 (not 44506 as given in the type description.) Skin and skull. Adult male. To-mu-lang, Chung-Tien District, Yunnan, China. Altitude, 10,000 feet. December 3, 1916. Collectors: R. C. Andrews and E. Heller. Asiatic Zoological Expedition. Original number 1132.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 90 mm.; tail vertebrae, 14; hind foot, 13. Skull: greatest length, 23.3; greatest breadth, 12.2; length of upper tooth row, 11.

Anourosorex assamensis capito G. M. Allen
Amer. Mus. Novitates, no. 100, p. 11, December 28, 1923.
= *Anourosorex* [*squamipes*] *squamipes* Milne-Edwards. According to G. M. Allen, The mammals of China and Mongolia, Natural history of Central Asia, vol. 11, pt. 1, p. 138, September 2, 1938.

44510. Skin and skull. Adult male. Mu-cheng, Salween drainage, Yunnan, China. Altitude 7000 feet. February 10, 1917. Collectors: R. C. Andrews and E. Heller. Asiatic Zoological Expedition. Original number 1483.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 93 mm.; tail vertebrae, 16; hind foot, 16.5. Skull: greatest length, 25.8; greatest width, 13.6; length of upper tooth row, 11.7.

FAMILY **TALPIDAE** GRAY

GENUS **UROPSILUS** MILNE-EDWARDS

Rhynchonax andersoni atronates G. M. Allen
Amer. Mus. Novitates, no. 100, p. 2, December 28, 1923.
= *Uropsilus soricipes andersoni* Thomas. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 32, November 19, 1951.

44343. Skin and skull. Adult female. Mucheng, Salween drainage, southwestern Yunnan, China. Altitude 7000 feet. February 13, 1917. Collectors: R. C. Andrews and E. Heller. Asiatic Zoological Expedition. Original number 1575.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 124 mm.; tail vertebrae, 57; hind foot, 14.1. Skull: greatest length, 20.5; greatest width, 11; length of upper tooth row, 8.8.

Rhynchonax andersoni nivatus G. M. Allen
Amer. Mus. Novitates, no. 100, pp. 2–3, December 28, 1923.
= *Uropsilus soricipes nivatus* (Allen). According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 32, November 19, 1951.

44352. Skin and skull. Adult male. Ssu-shan (Snow Mountain), Li-chiang, western Yunnan, China. Altitude, 12,000 feet. October 22, 1916. Collectors: R. C. Andrews and E. Heller. Asiatic Zoological Expedition. Original number 576.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 128 mm.; tail vertebrae, 60; hind foot, 15. Skull: greatest length, 20; greatest width, 11; length of upper tooth row, 9.

GENUS **SCAPANUS** POMEL

Scapanus anthonyi J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 5, art. 13, p. 200, August 18, 1893.

6313/4947. Skin and skull. Adult male. San Pedro Martir Mountains, Lower California, Mexico. Altitude 7000 feet. May 8, 1893. Collector: A. W. Anthony. Original number 21.

Skin in good condition. Skull complete. Teeth well worn.

MEASUREMENTS: Skin: total length, 135 mm.; tail vertebrae, 26; hind foot (relaxed), 17. Skull: greatest length, 30.1; greatest width, 15.2; length of upper tooth row, 12.7.

GENUS **SCALOPUS** GEOFFROY

Scalops aquaticus australis Chapman
Bull. Amer. Mus. Nat. Hist., vol. 5, p. 339, December 22, 1893.
= *Scalopus aquaticus australis* (Chapman). According to Elliot, Publ. Field Columbian Mus., zool. ser., vol. 6, p. 470, 1905.

3916/2990. Skin and skull. Semi-adult. Gainesville, Alachua County, Florida. May 4, 1891. Collector: F. M. Chapman. Original number 348.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 148 mm.; tail vertebrae, 22; hind foot, 17. Skull: greatest length, 31; greatest breadth, 16; length of upper tooth row, 12.5.

Scalops argentatus texanus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 3, p. 221, April 29, 1891.
= *Scalops aquaticus texanus* Allen. According to True, Proc. U. S. Natl. Mus., vol. 19, p. 21, December 21, 1896.
= *Scalopus aquaticus texanus* (Allen). According to Bailey, North Amer. Fauna, no. 25, p. 206, October 24, 1905.

3488/2740. Skin and skull. Adult. Presidio County, Texas (not Rockport, Aransas County, Texas, as given in most text books). September, 1887. Collector: William Lloyd. Originally in collection of G. B. Sennett.

Skin in fair condition. Skull incomplete behind interorbital region; dentition complete, well worn.

MEASUREMENTS: Skin: (dry), total length, 124 mm.; tail vertebrae, 24; hind foot, 16. Skull: length of upper tooth row, 15.

Scalopus aquaticus alleni Baker
Univ. Kansas Publ., vol. 5, no. 2, pp. 22–23, February 28, 1951.

7189/5788. Skin and skull. Adult male. Rockport, Aransas County, Texas. January 29, 1893. Collector: H. P. Attwater. Field number 51.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: (dry), total length, 129.5; tail vertebrae, 27.5; hind foot, 17 (original label gives measurements as 550, 100, 70). Skull: greatest length, 31; greatest breadth, 16.7; length of upper tooth row, 14.

ORDER **CHIROPTERA** BLUMENBACH

FAMILY **PTEROPIDAE** GRAY

GENUS **PTEROPUS** BRISSON

Pteropus goweri Tate
Amer. Mus. Novitates, no. 718, p. 1, May 4, 1934.

87201. Skin and skull. Adult male. Gower Island, Solomon Islands. September 19,

1930. Collector: J. B. Riddall. Whitney South Sea Expedition. Original number 40385.

Skin not located. Skull complete.

MEASUREMENTS: Skin: head and body, 189 mm.; hind foot, 43; forearm, 108. Skull: greatest length, 56.5; zygomatic width, 31.3; length of upper tooth row, 26, c–m², 22.

Pteropus tokudae Tate

Amer. Mus. Novitates, no. 713, pp. 1–2, April 11, 1934.

87117. Skin and skull. Adult male. Guam, Mariana Islands. August 10, 1931. Collector: W. F. Coultas. Whitney South Sea Expedition. Original number 41674.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: head and body, 141 mm.; hind foot, 36; forearm, 91. Skull: greatest length, 42; zygomatic breadth, 23.2; length of upper tooth row, 17.4.

Pteropus macmillani Tate

Amer. Mus. Novitates, no. 1213, p. 1, December 8, 1942.

135817. Skin and skull. Adult female. Tao, slopes of Mont Panié, New Caledonia. Altitude 4000 feet. August 9, 1939. Collector: L. Macmillan. Original number 3.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin (dry): head and body, 200 mm.; hind foot, 38.5; forearm, 110. Skull: greatest length, 50; zygomatic width, 27, length of upper tooth row, 22.

Pteropus banksiana Sanborn

Amer. Mus. Novitates, no. 435, pp. 1–2, October 16, 1930.

79986. Skin and skull. Adult male. Ureparapara or Bligh Island (latitude 13° 35′ S., longitude 167° 18′ E., 12 miles northwest from the north point of Vanua Lava Island), Banks Islands, between the New Hebrides and the Santa Cruz Islands. November 16, 1926. Collector: F. P. Drowne, Whitney South Sea Expedition.

Skin originally in alcohol made into study skin. Skull complete.

MEASUREMENTS: Skin: forearm, 117.5. Skull: greatest length, 57; zygomatic width, 31.7; upper tooth row, 25.4.

Pteropus nitendiensis Sanborn

Amer. Mus. Novitates, no. 435, pp. 2–3, October 16, 1930.

75186. Skin and skull. Adult male. Santa Cruz or Nitendi Island, Santa Cruz Islands. February 24, 1927. Collector: F. P. Drowne. Whitney South Sea Expedition. Original number 24787.

Skin in good condition. Skull incomplete, lacking the premaxillaries, the upper incisors, and the middle lower incisors.

MEASUREMENTS: Skin: head and body, 8 inches; forearm, 121 mm. Skull: greatest length, 54.8; zygomatic width, 33; length of upper tooth row, c–m², 21.4.

GENUS **PARANYCTIMENE** TATE

Paranyctimene raptor Tate

Amer. Mus. Novitates, no. 1204, p. 1, October 23, 1942.

105165. Archbold Collections. Skin and skull. Adult female. Oroville Camp, Fly River (about 4 miles below mouth of Elevala River), Papua, British New Guinea. August 11, 1936. Collector: G. H. H. Tate. Archbold New Guinea Expedition. Original number A2537.

Skin in good condition. Skull complete except for right bulla.

MEASUREMENTS: Skin: head and body, 79 mm.; tail vertebrae, 13; hind foot, 10; forearm, 47. Skull: greatest length, 24.5; zygomatic breadth, 16.0; length of maxillary tooth row, 8.

FAMILY **EMBALLONURIDAE** DOBSON

GENUS **SACCOPTERYX** ILLIGER

Saccopteryx perspicillifer Miller

Bull. Amer. Mus. Nat. Hist., vol. 12, art. 12, pp. 176–178, fig. 2, October 20, 1899.

= *Saccopteryx bilineata* (Temminck). According to Sanborn, Publ. Field Mus. Nat. Hist., zool. ser., vol. 20, no. 24, p. 329, December 28, 1937.

7508. Skin and skull. Caura, Trinidad, West Indies. April 21, 1894. Collector: F. M. Chapman. Original number 929.

Skin in alcohol. Skull complete.

MEASUREMENTS: Skin: total length, 70 mm.; tail vertebrae, 18; hind foot, 9.4; forearm, 47.5. Skull: greatest length, 17.8; zygomatic breadth, 10.7; length of upper tooth row, 7.1.

GENUS **PEROPTERYX** PETERS

Peropteryx trinitatis Miller

Bull. Amer. Mus. Nat. Hist., vol. 12, art. 12, pp. 178–181, October 20, 1899.

= *Peropteryx macrotis trinitatis* Miller. According to Sanborn, Publ. Field Mus. Nat. Hist., zool. ser., vol. 20, no. 24, p. 341, December 28, 1937.

7496. Skin and skull. Adult female. Port-of-Spain, Trinidad, West Indies. April 27, 1894. Collector: F. M. Chapman. Original number 956.

Skin in alcohol. Skull incomplete, braincase broken, dentition complete.

MEASUREMENTS: Skin: total length, 60 mm.; tail vertebrae 14.4; hind foot, 41. Skull: greatest length, 13.8; length of upper tooth row, 5.4.

GENUS **TAPHOZOUS** GEOFFROY

Taphozous troughtoni Tate

Bull. Amer. Mus. Nat. Hist., vol. 97, art. 4, p. 607, March 25, 1952.

162708. Skin and skull. Adult female. Rifle Creek, 10 miles east of Mt. Isa, northwest Queensland, Australia. October 13, 1948. Collector: G. H. H. Tate. Original number 11609.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 128 mm.; tail vertebrae, 35; hind foot (s.u.), 15; forearm, measured in field, 76, dry, 74.5. Skull: condylobasal length, 24.1; zygomatic breadth, 15; length of upper tooth row, c–m^3, 11.

FAMILY **NYCTERIDAE** DOBSON

GENUS **NYCTERIS** CUVIER AND GEOFFROY

Nycteris avakubia J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 37, art. 18, p. 426, September 29, 1917.

49403. Skin and skull. Adult male. Avakubi, Belgian Congo. September, 1913. Collectors: H. Lang and J. Chapin. American Museum Congo Expedition. Original number 2623.

Skin and body in alcohol. Skull complete, cleaned.

MEASUREMENTS: Skin: total length, 137 mm.; tail vertebrae, 65; hind foot, 12; forearm, 50. Skull: greatest length, 22.2; zygomatic breadth, 12.5; length of upper tooth row, 7.5.

Nycteris pallida J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 37, art. 18, p. 425, September 29, 1917.

49144. Skin and skull. Adult male. Faradje, Belgian Congo. March 1, 1912. Collectors: H. Lang and J. Chapin. American Museum Congo Expedition. Original number 1858. Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 92 mm.; tail vertebrae, 45; hind foot, 10; forearm, 40. Skull: greatest length, 17.4; zygomatic breadth, 10.2; length of upper tooth row, c–m^3, 6.5.

FAMILY **RHINOLOPHIDAE** BELL

GENUS **RHINOLOPHUS** LACÉPÈDE

Rhinolophus abae J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 37, art. 18, pp. 428–429, September 29, 1917.

49113. Skin and skull. Adult female. Aba, Uele District, Belgian Congo. December 15, 1911. Collectors: H. Lang and J. Chapin. American Museum Congo Expedition. Original number 1756.

Skin in good condition. Skull complete, braincase slightly crushed.

MEASUREMENTS: Skin: total length, 85 mm.; tail vertebrae, 24; hind foot, 12; forearm, 51. Skull: greatest length, 22.3; zygomatic breadth, 11.9; length of upper tooth row, c–m^3, 8.

Rhinolophus axillaris J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 37, art. 18, pp. 429–430, September 29, 1917.

49175. Skin and skull. Adult male, Aba, Uele District, Belgian Congo. December 17, 1911. Collectors: H. Lang and J. Chapin. American Museum Congo Expedition. Original number 1807.

Skin in good condition. Skull incomplete, badly crushed behind interorbital region.

MEASUREMENTS: Skin: total length, 77 mm.; tail vertebrae, 25; hind foot, 11; forearm, 45.5. Skull: length of upper tooth row, c–m^3, 7.

Rhinolophus blythi calidus G. M. Allen

Amer. Mus. Novitates, no. 85, pp. 1–2, August 28, 1923.

= *Rinolophus cornutus calidus* Allen. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 118, November 19, 1951.

44692. Skin and skull. Adult female. Yenping, Fukien, China. June 17, 1916. Collector: R. C. Andrews. Asiatic Zoological Expedition. Original number 25.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: forearm, 38 mm.; hind foot, 7. Skull: total length, 16 mm.; greatest breadth, 7.7; length of upper tooth row, 5.7.

Rhinolophus blythi parcus G. M. Allen
Amer. Mus. Novitates, no. 317, p. 2, May 19, 1928.
= *Rhinolophus cornutus parcus* Allen. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 118, November 19, 1951.

58465. Skin and skull. Adult, sex? Nodoa, Island of Hainan, China. December 8, 1922. Collector: Clifford H. Pope. Third Asiatic Expedition. Original number 42.

Skin in good condition. Skull complete but broken and repaired in occipital region.

MEASUREMENTS: Skin: forearm, 36.3 mm.; hind foot, 6.8. Skull: greatest length, 16.5; zygomatic breadth, 7.3; length of upper tooth row, c–m^3, 5.7.

Rhinolophus episcopus G. M. Allen
Amer. Mus. Novitates, no. 85, pp. 2–3, August 28, 1923.
= *Rhinolophus episcopus episcopus* Allen. According to Allen, The mammals of China and Mongolia, Natural history of Central Asia, vol. 11, pt. 1, p. 182, September 2, 1938.
= *Rhinolophus macrotis episcopus* Allen. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 122, November 19, 1951.

56895. Skin and skull. Adult male. Yenchingkou, Wanhsien, Szechwan, China. October 9, 1921. Collector: Walter Granger. Third Asiatic Expedition. Original number 42.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 75 mm.; tail vertebrae, 24; hind foot, 10; forearm, 47.5. Skull: greatest length, 19.4; zygomatic breadth, 9; length of upper tooth row, c–m^3, 7.

Rhinolophus episcopus caldwelli G. M. Allen
Amer. Mus. Novitates, no. 85, p. 3, August 28, 1923.
= *Rhinolophus macrotis caldwelli* Allen. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 122, November 19, 1951.

44771. Skin and skull. Adult female. Cave on mountain top, Yuki, Fukien, China. October 31, 1916. Collected by H. R. Caldwell. Original number 50.

Skin in fair condition, wings damaged. Skull complete.

MEASUREMENTS: Skin: forearm, 43 mm.; hind foot, 9. Skull: greatest length, 19; zygomatic breadth, 7.8; length of upper tooth row, c–m^3, 6.

Rhinolophus hainanus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 22, art. 28, pp. 482–483, December 17, 1906.
= *Rhinolophus affinis hainanus* Allen. According to G. M. Allen, The mammals of China and Mongolia, Natural history of Central Asia, vol. 11, pt. 1, p. 171, September 2, 1938.

26748. Skin and skull. Adult female. Pouten, Island of Hainan, China. July 2, 1904. Purchased from Alan Owston, Yokohama. Original number 18.

Skin in fair condition. Skull incomplete, lacking under side of braincase.

MEASUREMENTS: Skin: forearm, 50 mm. Skull: greatest length, 22; greatest breadth, 10.5; length of upper tooth row, c–m^3, 9.2.

Rhinolophus lanosus spurcus G. M. Allen
Amer. Mus. Novitates, no. 317, p. 3, May 19, 1928.
= *Rhinolophus luctus spurcus* Allen. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 122, November 19, 1951.

58444. Skin and skull. Adult male. Nodoa, Island of Hainan, China. December 4, 1922. Collector: Clifford H. Pope. Third Asiatic Expedition. Original number 9.

Skin in good condition. Skull complete except for premaxillae.

MEASUREMENTS: Skin: forearm, 70 mm. Skull: greatest length, 31.3; zygomatic breadth, 15.5; length of upper tooth row, c–m^3, 11.3.

Rhinolophus maros Tate
Amer. Mus. Novitates, no. 1036, p. 9, August 11, 1939.

102347. Archbold Collections. Skin and skull. Adult female. Talassa, Maros, South Celebes, Netherlands East Indies. Altitude, 300 meters. November 9, 1931. Collector: Gerd H. Heinrich. Original number 541.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: forearm, 53 mm.

Skull: greatest length, 23.2; breadth of braincase, 9; length of maxillary tooth row, 8.1.

Rhinolophus maros robertsi Tate

Amer. Mus. Novitates, no. 1578, pp. 1–3, July 30, 1952.

157070. Archbold Collections. Skin and skull. Adult male. From Phoenician Tin Mine, near summit of Mt. Amos, 18 miles south of Cooktown, northeast Queensland. Altitude, about 2000 feet above sea level. August 27, 1950. Collector: John Roberts.

Skin (from alcohol) in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 79 mm.; tail vertebrae, 25; hind foot, 10. Skull: condylo-canine length, 20.9; zygomatic breadth, 11.1; length of upper tooth row, 3.8.

Rhinolophus pagi Tate

Amer. Mus. Novitates, no. 1036, pp. 7–8, August 11, 1939.

103333. Archbold Collections. Skin and skull. Adult male. North Pagi, Mentawai Islands, Netherlands East Indies. January 19, 1935. Collector: J. J. Menden. Original number 249.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: forearm, 36.2 mm. Skull: greatest length, 16.4; breadth of braincase, 7.1; length of maxillary tooth row, c–m^3, 6.

Rhinolophus rex G. M. Allen

Amer. Mus. Novitates, no. 85, pp. 3–4, August 28, 1923.

56890. Skin and skull. Adult female. Yenchingkou, Wanhsien, Szechwan, China. October 12, 1921. Collector: Walter Granger. Third Asiatic Expedition. Original number 55.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: head and body, 55 mm.; tail, 38; hind foot, 10; forearm, 58. Skull: occiput to front of canines, 22; zygomatic width, 10; length of upper tooth row, c–m^3, 8.

Rhinolophus ruwenzorii Hill

Amer. Mus. Novitates, no. 1180, pp. 1–2, July 28, 1942.

82394. Skin and skull. Adult female. Cave on south side of Batahu Valley, western slope of Mt. Ruwenzori, Belgian Congo. Altitude, 7500 feet. December 24, 1926. Collectors: Chapin, Sage, and Mathews. Ruwenzori-Kivu Expedition. No field number given.

Skin and body in alcohol. Skull removed, complete.

MEASUREMENTS: Skin: head and body, 67 mm.; tail, 31; hind foot (s.u.), 12; forearm, 57. Skull: greatest length, 25.9; zygomatic breadth, 11.2; length of upper tooth row, c–m^3, 8.3.

GENUS **HIPPOSIDEROS** GRAY

Hipposideros abae J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 37, art. 18, pp. 432–434, September 29, 1917.

49123. Skin and skull. Adult male. Aba, Uele District, Belgian Congo. December 13, 1911. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 1715.

Skin in good condition. Skull complete except for premaxillaries.

MEASUREMENTS: Skin: total length, 104 mm.; tail, 38, hind foot, 12; forearm, 58.5. Skull: total length, 22; zygomatic breadth, 13; length of upper tooth row, c–m^3, 8.2.

Hipposideros bicolor macrobullatus Tate

Bull. Amer. Mus. Nat. Hist., vol. 78, art. 5, pp. 357–358, August 19, 1941.

102367. Archbold Collections. Skin and skull. Adult male. Talassa (Maros), South Celebes, Netherlands East Indies. Altitude, 300 meters. November 9, 1931. Collector: G. Heinrich. Original number 540. Skin in good condition. Skull complete.

MEASUREMENTS: Skin: head and body, 52 mm.; tail, 33; hind foot, 7; forearm, 42. Skull: greatest length, 16.7; zygomatic breadth, 8.2; length of maxillary tooth row, 5.6.

Hipposideros breviceps Tate

Bull. Amer. Mus. Nat. Hist., vol. 78, art. 5, p. 358, August 19, 1941.

103335. Archbold Collections. Skin and skull. Adult male. Lowlands of North Pagi, Mentawai Islands, Netherlands East Indies. January 31, 1935. Collector: J. J. Menden. Original number 341.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: head and body, 42 mm.; tail, 23; hind foot, 7; forearm, 43. Skull: greatest length, 16.9; zygomatic breadth, 9.5; length of maxillary tooth row, c–m^3, 5.8.

Hipposideros caffer niapu J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 37, art. 18, pp. 431–432, September 29, 1917.

49414. Skin and skull. Adult male. Niapu, Belgian Congo. January 27, 1914. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 2322.

Skin and body in alcohol. Skull removed, complete.

MEASUREMENTS: Skin: total length, 88 mm.; tail, 30; hind foot, 10.8; forearm, 54.5. Skull: total length, 20.3; zygomatic breadth, 10.5; length of maxillary tooth row, 6.8.

Hipposideros langi J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 37, art. 18, pp. 434–438, figs. 4–6, September 29, 1917.
= *Hipposideros cyclops* (Temminck). According to G. M. Allen, Bull. Mus. Comp. Zool., vol. 83, p. 80, February, 1939.

49098. Skin and skull. Adult male. Avakubi, Belgian Congo. January 24, 1914. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 2481.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 114 mm., tail, 27, hind foot, 20; forearm, 65.5. Skull: greatest length, 28; zygomatic breadth, 15; length of maxillary tooth row, 10.7.

Hipposideros gigas niangarae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 37, art. 18, pp. 438–439, pl. 51, fig. 1, September 29, 1917.

49103. Skin and skull. Adult female. Niangara, Uele District, Belgian Congo. June 2, 1913. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 2069.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 137 mm.; tail, 30; hind foot, 25; forearm, 104. Skull: greatest length, 34.5; zygomatic breadth, 19.6; length of maxillary tooth row, 13.5.

Hipposideros nanus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 37, art. 18, p. 434, September 29, 1917.

49426. Skin and skull. Adult female. Faradje, Uele District, Belgian Congo. September 24, 1911 (*nec* October 24, 1912). Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 1689.

Skin and body in alcohol. Skull removed, complete.

MEASUREMENTS: Skin: total length, 68 mm.; tail, 22; hind foot (c.u.), 7.9; forearm, 43.4. Skull: greatest length, 16; greatest breadth, 9; length of maxillary tooth row, 5.8.

Hipposideros poutensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 22, art. 28, pp. 483–484, December 17, 1906.
= *Hipposideros larvatus poutensis* Allen. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 124, November 19, 1951.

26698. Skin and skull. Adult male. Pouten, Hainan, China. July 2, 1904. Purchased from Alan Owston of Yokohama, taken by his agents. Original number 23. Skin in good condition. Skull incomplete, lacking under side of cranium.

MEASUREMENTS: Skin: head and body, 62 mm.; tail, 28; hind foot, 9; forearm, 60. Skull: greatest length, 23.5; zygomatic breadth, 13; length of maxillary tooth row, 9.

GENUS **COELOPS** BLYTH

Coelops sinicus G. M. Allen
Amer. Mus. Novitates, no. 317, p. 4, May 19, 1928.
= *Coelops frithi sinicus* Allen. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 132, November 19, 1951.

84893. Skin and skull. Adult female. Yenchingkou, a cave 2 miles northeast of Wanhsien, Szechwan, China. February 26, 1926. Collector: Walter Granger. Third Asiatic Expedition. Original number 569.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: head and body, 38 mm.; approximate tail length, 4; hind foot, 10; forearm, 35.5. Skull: greatest length, 17; zygomatic breadth, 7.8; length of maxillary tooth row, 6.4.

FAMILY **PHYLLOSTOMATIDAE** COUES AND YARROW

GENUS **CHILONYCTERIS** GRAY

Chilonycteris rubiginosa fusca J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 30, art. 10, pp. 262–263, December 2, 1911.

31561. Skin and skull. Adult male. Las

Quiguas, 5 miles south of Puerto Cabello, Venezuela. Altitude, 650 feet. September 7, 1910. Collector: M. A. Carriker. Original number 7828.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 93 mm.; tail, 25; forearm, 58.7. Skull: greatest length, 22; greatest breadth, 12; length of maxillary tooth row, 9.4.

GENUS **PTERONOTUS** GRAY

Dermonotus suapurensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 20, p. 229, June 29, 1904.
= *Pteronotus suapurensis* (Allen). According to J. A. Allen, Bull. Amer. Mus. Nat. Hist., vol. 30, art. 10, p. 265, December 2, 1911.

17573. Skin and skull. Adult female. Suapure, Venezuela. October 26, 1901. Collector: S. M. Klages. Original number 286.

Skin in fair condition. Skull complete.

MEASUREMENTS: Head and body, 2 1/2 inches; tail, 1 inch; forearm, 51 mm. Skull: total length, 17.2 mm.; greatest breadth, 10; length of maxillary tooth row, 7.4.

Pteronotus suapurensis centralis Goodwin
Jour. Mammal., vol. 23, no. 1, p. 88, February 14, 1942.
= *Pteronotus suapurensis* (Allen). According to Sanborn, Jour. Mammal., vol. 30, no. 3, p. 279, August, 1949.

33193. Skin and skull. Adult, sex? Matagalpa, Nicaragua. Altitude, 3000 feet. November 10, 1911. Collector: W. B. Richardson.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: forearm, 53.5 mm. Skull: greatest length, 17.9; greatest breadth, 10.5; length of maxillary tooth row, 7.5.

GENUS **MICRONYCTERIS** GRAY

Micronycteris (Neonycteris) pusilla Sanborn
Fieldiana, zool., vol. 31, no. 27, p. 228, April 29, 1949.

78830. Skin and skull. Adult male. Tahuapunta, Rio Waupes, at the Colombian border, Amazonas, Brazil. July 14, 1929. Collectors: Olalla brothers. Original number 1088.

Skin and body in alcohol. Skull removed, complete.

MEASUREMENTS: Skin: forearm, 34.3 mm. Skull: greatest length, 17.9; zygomatic breadth, 8.9; length of upper tooth row, 6.7.

Micronycteris hypoleuca J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 13, art. 8, pp. 90–91, May 12, 1900.
= *Micronycteris* (*Micronycteris*) *minuta* Gervais. According to Sanborn, Fieldiana, zool., vol. 31, no. 27, p. 219, April 29, 1949.

15131. Skin. Adult female. Bonda, Colombia. July 9, 1899. Collector: Mrs. H. H. Smith. Santa Marta Expedition, 1898–1899. Original number 1115.

Skin in fair condition. Apparently the skull was not saved.

MEASUREMENTS: Skin: total length, 60 mm.; forearm, 34.4.

Macrotus pygmaeus Rehn
Proc. Acad. Nat. Sci. Philadelphia, vol. 56, pp. 444–446, June 30, 1904.
= *Micronycteris* (*Micronycteris*) *megalotis mexicana* (Miller). The type of *Macrotus pygmaeus* is a *Micronycteris* and referable to *M. megalotis mexicana*.

12756/11043. Skin and skull. Adult, sex? Izamal, Yucatan, Mexico. Received 1896. Collector: Geo F. Gaumer.

Skin in good condition. Skull lacking occipital region.

MEASUREMENTS: Skin: total length, 79.3 mm.; tail, 28; forearm, 35.5. Skull: zygomatic width, 9.2; length of maxillary tooth row, 7.4.

GENUS **LONCHORHINA** TOMES

Lonchorhina occidentalis Anthony
Amer. Mus. Novitates, no. 55, pp. 13–14, fig. 4b, January 31, 1923.

62101. Skin and skull. Adult male. Puente de Chimbo, Province of Guayas, Ecuador. Altitude, 1200 feet. September 7, 1922. Collector: G. H. H. Tate. Original number 936.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 110 mm.; tail, 51; hind foot 15; forearm, 48.7. Skull: greatest length, 20; zygomatic breadth, 11; length of maxillary tooth row, 6.8.

GENUS **TONATIA** GRAY

Tonatia nicaraguae Goodwin
Jour. Mammal., vol. 23, no. 2, pp. 205–206, May, 1942.

41184. Skin and trunk in alcohol. Skull removed. Adult female. Kanawa Creek near Cukra, north of Bluefields, Nicaragua. Altitude, 100 feet. August 7, 1916, at 9

P.M. Collectors: Halter and Mannhardt.

Skin in good condition. Skull crushed in occipital region but repaired.

MEASUREMENTS: Skin: head and body, 42.5 mm.; tail, 6; hind foot, 10. Skull: greatest length, 17.9; greatest width, 7.8; length of maxillary tooth row, 6.5.

Tonatia minuta Goodwin

Jour. Mammal., vol. 23, no. 2, p. 206, May, 1942.

71619. Skin and skull. Adult male. Boca Curaray, Ecuador. December 7, 1925. Collectors: Olalla and sons.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: forearm, 34 mm. Skull: greatest length, 18.7; zygomatic breadth, 9; length of maxillary tooth row, 6.9.

Chrotopterus carrikeri J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 28, art. 12, p. 147, May 27, 1910.

= *Tonatia carrikeri* Allen. According to Goodwin, Jour. Mammal., vol. 23, no. 2, p. 207, May, 1942.

30181. Skin and skull. Adult male. Rio Mocho (Caura), Venezuela. December 6, 1909. Collector: M. A. Carriker, Jr. Original number 5835.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 90 mm.; tail, 9; forearm, 48. Skull: greatest length, 25.8; greatest breadth, 12.7; length of maxillary tooth row, 8.7.

Chrotopterus colombianus Anthony

Jour. Mammal., vol. 1, no. 2, pp. 84–85, February, 1920.

= *Tonatia amblyotis* (Wagner). According to Goodwin, Jour. Mammal., vol. 23, no. 2, p. 208, May, 1942.

38966. Skin and skull. Sex? Rio Quatequia near Bogotá, Colombia. Received in 1916. Collector: Hermano Apolinar Maria. Original number 6.

Skin in good condition. Skull lacking occipital region.

MEASUREMENTS: Skin: (dry), total length, 115 mm.; tail, 40; hind foot, 16.3; forearm, estimated, 84. Skull: greatest length, 25.5; zygomatic breadth, 13; length of maxillary tooth row, 9.4

† **Tonatia saurophila** Koopman and Williams

Amer. Mus. Novitates, no. 1519, pp. 11–12, June 4, 1951.

147206. Left side of mandible only. Wallingford Roads Cave, Balaclava, St. Elizabeth Parish, Jamaica. Collector: H. E. Anthony, 1919–1920. Original number J. 1/2.

Skull: left mandible in good condition, last premolar and three molars in position.

MEASUREMENTS: Skull: alveolar length of tooth row, 9.8. mm.

GENUS **PHYLLOSTOMUS** LACÉPÈDE

Phyllostomus hastatus panamensis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 20, art. 20, pp. 233–234, June 29, 1904.

18705. Skin and skull. Adult female. Boqueron, Chiriqui, Panama. October 6, 1901. Collector: J. H. Batty. Original number 657.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: forearm, 90 mm. Skull: greatest length, 40; zygomatic breadth, 21.2; length of maxillary tooth row, 14.

Phyllostomus hastatus caurae[1] J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 20, art. 20, pp. 234–235, June 29, 1904.

= *Phyllostomus hastatus panamensis* Allen. According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 99, p. 437, 1949.

14473. Skin and skull. Sex? Adult, Cali, upper Cauca Valley, Colombia. June to July, 1898. Collector: J. H. Batty. Original number 10.

Skin in fair condition. Skull incomplete, lacking posterior half behind interorbital region.

MEASUREMENTS: Skin: forearm, 93 mm. Skull: length of maxillary tooth row, 14.6.

GENUS **PHYLLODERMA** PETERS

Phylloderma septentrionalis Goodwin

Amer. Mus. Novitates, no. 1075, p. 1, June 27, 1940.

126868. Skin and skull. Adult female. Las Pilas, 6 miles north of Marcala, Department of La Paz, Honduras. Altitude, 4000 feet. March 26, 1937. Collector: Cecil F. Underwood. Original number 2023.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: head and body, 112 mm.; tail, 20; hind foot, 20; forearm, 80.

[1] *Sic*, error in type description; equals *caucae*.

Skull: greatest length, 34.5; greatest width, 18; length of maxillary tooth row, 11.

GENUS **LONCHOPHYLLA** THOMAS

Lonchophylla thomasi J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 20, p. 230, June 29, 1904.

16120. Skin and skull. Adult male. Ciudad Bolivar, Venezuela. January 26, 1900. Collector: Samuel M. Klages. Original number 74.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: forearm, 31.5 mm. Skull: greatest length, 20.7; greatest breadth, 8.5; length of maxillary tooth row, 6.4.

GENUS **ANOURA** GRAY

Glossophaga apolinari J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 35, art. 11, p. 86, April 28, 1916.
= *Anoura geoffroyi peruana* Tschudi. According to Sanborn, Publ. Field Mus. Nat. Hist., zool. ser., vol. 20, p. 26, December 11, 1933.

37376. Skin and skull. Adult, sex? Boqueron de San Francisco, near Bogotá, Colombia. Altitude, 8900 feet. December, 1909. Collector: Brother Apolinar Maria. Original number doubtful.

Skin in good condition. Skull complete but slightly crushed in region of bulla.

MEASUREMENTS: Skin: forearm, 44 mm. Skull: greatest length, 25; greatest breadth, 9; length of maxillary tooth row, 9.5.

Anoura geoffroyi antricola Anthony
Amer. Mus. Novitates, no. 20, pp. 5–6, November 3, 1921.
= *Anoura geoffroyi peruana* Tschudi. According to Sanborn, Publ. Field Mus. Nat. Hist., zool. ser., vol. 20, p. 26, December 11, 1933.

47282. Skin and skull. Adult female. Loja, Ecuador. Altitude, 9000 feet. October 30, 1920. Collector: H. E. Anthony. Original number 2280.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: head and body, 81 mm.; hind foot, 13.5; forearm, 43.4. Skull: greatest length, 26; greatest breadth, 10; length of maxillary tooth row, 9.8.

GENUS **MONOPHYLLUS** LEACH

† **Monophyllus frater** Anthony
Bull. Amer. Mus. Nat. Hist., vol. 37, art. 19, pp. 565–567, pl. 56, figs. 5–6, September 7, 1917.

40941. Skull. Cueva Catedral near Morovis, Puerto Rico. July 29, 1916. Collector: H. E. Anthony.

Broken skull with complete rostrum, palate, last premolars and three molars on the left side.

MEASUREMENTS: Skull: alveolar length of maxillary molar series, 7.1 mm.

GENUS **CHOERONISCUS** THOMAS

Choeronycteris intermedia J. A. Allen and Chapman
Amer. Mus. Nat. Hist., vol. 5, art. 13, pp. 207–208, September 21, 1893.
= *Choeroniscus intermedia* (Allen). According to Thomas, Ann. Mag. Nat. Hist., ser. 10, vol. 1, p. 122, January, 1928.

6072/4791 (not 6072/4781 as in type description). Skin and skull. Adult female. Princetown, Trinidad, West Indies. March 28, 1893. Collector: F. M. Chapman. Original number 541. Skin in good condition. Skull complete.

MEASUREMENTS: Skin: forearm, 36. Skull; greatest length, 22.5; greatest breadth, 8.4: length of maxillary tooth row, 7.7.

GENUS **STURNIRA** GRAY

Sturnira ludovici Anthony
Amer. Mus. Novitates, no. 139, pp. 8–9, October 20, 1924.

67328. Skin and skull. Adult male. "Near Gualea, west side of Pichincha, altitude, 4000 feet," northwestern Ecuador. April, 1924. Collected by a native and presented by Ludovic Söderström.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: forearm, 45.8 mm. Skull: greatest length, 25; zygomatic breadth, 14; length of entire upper tooth row, 8.4.

Sturnira hondurensis Goodwin
Amer. Mus. Novitates, no. 1075, pp. 1–2, June 27, 1940.
= *Sturnira ludovici* Anthony. According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 99, p. 441, 1949.

126811. Skin and skull. Adult female. La Cruze Grande, near San José, Department of La Paz, Honduras. Altitude, 3000 feet. March 17, 1937. Collector: Cecil F. Underwood. Original number 2040.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: head and body, 73

mm.; hind foot, 14; forearm, 45.5. Skull: greatest length, 24.6; zygomatic breadth, 13.2; length of maxillary tooth row, 7.2.

GENUS **CHIRODERMA** PETERS

Chiroderma jesupi J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 13, art. 8, p. 88, May 12, 1900.

14574. Skin and skull. Adult male. Cacagualito, Santa Marta region, Colombia. May, 1898. Collector: Mrs. H. H. Smith. Morris K. Jesup Santa Marta Expedition 1898–1899.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: forearm, 41. Skull: greatest length, 24; zygomatic breadth, 14.7; length of maxillary tooth row, 8.2.

GENUS **ARTIBEUS** LEACH

Artibeus coryi J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 3, no. 1, p. 173, November 14, 1890.
= *Artibeus jamaicensis jamaicensis* Leach. According to Knud Anderson, Proc. Zool. Soc. London, p. 265, 1908.

1648/2376. Skin and skull. Adult male. St. Andrew's Island, Caribbean Sea. February 12, 1887. Collector: R. Henderson. C. B. Cory's Collection number 1648.

Skin in fair condition. Skull incomplete, lacking posterior part of braincase.

MEASUREMENTS: Skin: forearm, 50 mm. Skull: length of maxillary tooth row, 9.5.

Artibeus insularis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 20, pp. 231–232, June, 29, 1904.
= *Artibeus jamaicensis jamaicensis* Leach. According to Knud Anderson, Proc. Zool. Soc. London, p. 265, 1908.

19597 (*nec* 19579 as in type description). Skin and body in alcohol. Skull removed. Adult male. Island of St. Kitts, West Indies. Catalogued in 1902, but there is no indication as to when or by whom it was taken.

Skin and trunk in good condition. Skull incomplete, lacking most of the braincase.

MEASUREMENTS: Skin: forearm, 60.5 mm. Skull: length of maxillary tooth row, 10.5.

Artibeus jamaicensis richardsoni J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 24, art. 34, pp. 669–670, October 13, 1908.
= *Artibeus jamaicensis jamaicensis* Leach. According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 99, p. 446, 1949.

28335. Skin and skull. Adult male. Matagalpa, Nicaragua. January 3, 1906. Collector: W. B. Richardson. Original number 6. Skin in good condition. Skull complete.

MEASUREMENTS: Skin: forearm, 57.5 mm. Skull: greatest length, 29.3; zygomatic breadth, 16.8; length of maxillary tooth row, 10.5.

Artibeus palmarum J. A. Allen and Chapman
Bull. Amer. Mus. Nat. Hist., vol. 9, art. 2, pp. 16–17, February 26, 1897.
= *Artibeus jamaicensis palmarum* Allen and Chapman. According to Knud Anderson, Proc. Zool. Soc. London, p. 278, 1908.
= *Artibeus lituratus palmarum* Allen and Chapman. According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 99, p. 445, 1949.

7481/24142. Skin and body in alcohol. Skull removed. Adult male. Port-of-Spain, Trinidad, West Indies. April 27, 1894. Collector: F. M. Chapman.

Skin and body in good condition. Skull complete.

MEASUREMENTS: Skin: forearm, 69.5 mm. Skull: greatest length, 31; zygomatic breadth, 19.4; length of maxillary tooth row, 11.

Artibeus intermedius J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 9, art. 3, pp. 33–34, March 11, 1897.
= *Artibeus jamaicensis palmarum* Allen and Chapman. According to Knud Anderson, Proc. Zool. Soc. London, p. 278, 1908.
= *Artibeus lituratus palmarum* Allen and Chapman. According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 99, p. 445, 1949.

9594/7935. Skin and skull. Adult male. San José, Costa Rica. June 21, 1891. Collector: George K. Cherrie. Museo Nacional de Costa Rica number 479.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: forearm, 63 mm. Skull: greatest length, 28; zygomatic breadth, 17.5; length of maxillary tooth row, 10.5.

Artibeus yucatanicus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 20, pp. 232–233, June 29, 1904.
= *Artibeus jamaicensis yucatanicus* Allen. According to Knud Anderson, Proc. Zool. Soc. London, p. 263, 1908.

12038/10469. Skin and skull. Adult male.

Chichen-Itza, Yucatan, Mexico. March 17, 1896. Collector: Frank M. Chapman.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: forearm, 58 mm. Skull: greatest length, 28; zygomatic breadth, 17.2; length of maxillary tooth row, 9.8.

Artibeus rusbyi J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 20, art. 20, pp. 230–231, June 29, 1904.

= *Artibeus jamaicensis lituratus* Lichtenstein. According to Knud Anderson, Proc. Zool. Soc. London, p. 272, 1908.

1255/2377. Skin and skull. Adult, male? Yungas, Bolivia (*sic*, error in type description for Peru). Altitude, 6000 feet. September, 1885. Collector: H. H. Rusby.

Skin in fair condition. Skull incomplete, lacking under side of braincase.

MEASUREMENTS: Skin: forearm, 70 mm. Skull: greatest length, 32; length of maxillary tooth row, 11.4.

Artibeus fraterculus Anthony

Amer. Mus. Novitates, no. 114, p. 5, May 29, 1924.

47248. Skin and skull. Adult female. Portovelo, Province of El Oro, Ecuador. Altitude, 2000 feet. July 12, 1900. Collector: H. E. Anthony. Original number 1633.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: head and body, 96 mm.; hind foot, 15.5; forearm, 57. Skull: greatest length, 27.7; zygomatic breadth, 16.3; length of maxillary tooth row, 9.8.

GENUS **PHYLLOPS** PETERS

† **Phyllops vetus** Anthony

Bull. Amer. Mus. Nat. Hist., vol. 37, art. 13, p. 337, pl. 34, fig. 4, May 28, 1917.

41001. Skull. Cave at Daiquiri, Province of Oriente, Cuba. February, 1917. Collector: H. E. Anthony.

Skull with mandible, lacking upper incisors, both first upper premolars, last upper right molar, and with a portion of the braincase broken, mandible with canine and molariform teeth in place on left side only.

MEASUREMENTS: Skull: basal length, 15.8 mm.; length of maxillary tooth row, 5.9.

Ardops haitiensis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 24, art. 29, p. 581, September 11, 1908.

= *Phyllops haitiensis* (Allen). According to Anthony, Bull. Amer. Mus. Nat. Hist., vol. 37, p. 336, May 28, 1917.

25750. Skin and skull. Adult? Caña Honda, Santo Domingo, West Indies. January 5, 1907. Collector: A. H. Verrill. Purchased from K. Scheerer Co. Original number 10.

Skin in good condition. Skull complete except for broken zygomatic arches and small break at side of braincase.

MEASUREMENTS: Skin: forearm, 40 mm. Skull: greatest length, 18.5; length of maxillary tooth row, 5.5.

GENUS **PHYLLONYCTERIS** GUNDLACH

† **Phyllonycteris major** Anthony

Bull. Amer. Mus. Nat. Hist., vol. 37, art. 19, pp. 567–568, pl. 56, figs. 1–2, September 7, 1917.

40925. Skull. Cueva Catedral near Morovis, Puerto Rico. July 29, 1916. Collector: H. E. Anthony.

Skull nearly complete but lacking full dentition and right side of mandible; only m^1, m^3 on left side, and m^2, m^3 on right side present.

MEASUREMENTS: Skull: greatest length, 26.7 mm.; width of braincase, 11.3; alveolar length of maxillary molar series, 6.7.

FAMILY **NATALIDAE** MILLER

GENUS **NATALUS** GRAY

† **Natalus primus** Anthony

Bull. Amer. Mus. Nat. Hist., vol. 41, art. 20, pp. 642–643, December 30, 1919.

41009. Right mandibular ramus. Cueva de Los Indios, Daiquiri, Province of Oriente, Cuba. February, 1917. Collector: H. E. Anthony.

The last two premolars and all the molars are in position.

MEASUREMENTS: Skull: length of mandible, 14.4 mm.

FAMILY **VESPERTILIONIDAE** GRAY

GENUS **MYOTIS** KAUP

Myotis bondae J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 33, art. 29, p. 384, July 9, 1914.

= *Myotis nigricans nigricans* (Wied). According to Miller and Allen, Bull. U. S. Natl. Mus., no. 144, p. 179, 1928.

= *Myotis nigricans nigricans* (Schinz). According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 99, p. 451, 1949.

14587. Skin and skull. Adult. Bonda, Santa Marta, Colombia. June, 1898. Collector: Mrs. H. H. Smith. Morris K. Jesup Santa Marta Expedition 1898–1899. Original number 42.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: forearm, 32.2 mm. Skull: total length, 13; breadth of braincase, 6.3; length of maxillary tooth row, 5.

Myotis caucensis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 33, art. 29, p. 386, July 9, 1914.

= *Myotis nigricans nigricans* (Wied). According to Miller and Allen, Bull. U. S. Natl. Mus., no. 144, p. 179, 1928.

= *Myotis nigricans nigricans* (Schinz). According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 99, p. 451, 1949.

32787. Skin and skull. Adult male. Rio Frio, Cauca River, Colombia. Altitude, 3500 feet. November 29, 1911. Collector: Leo E. Miller. Original number 579.

Skin in good condition. Skull lacking right mandible.

MEASUREMENTS: Skin: total length, 120 mm.; tail, 39; hind foot, 8; forearm, 37.3. Skull: greatest length, 14; width of braincase, 6.5; length of maxillary tooth row, 5.2.

Myotis chiriquensis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 20, art. 4, pp. 77–78, February 29, 1904.

= *Myotis nigricans nigricans* (Wied). According to Miller and Allen, Bull. U. S. Natl. Mus., no. 144, p. 179, 1928.

= *Myotis nigricans nigricans* (Schinz). According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 99, p. 451, 1949.

18736. Skin and skull. Adult female. Boqueron, Chiriqui, Panama. October 16, 1901. Collector: J. H. Batty. Original number 1030.

Skin in fair condition, forearms incomplete on both sides. Skull complete except for broken zygomatic arches and the last upper molar on the left side and the second upper molar on the right side.

MEASUREMENTS: Skull: greatest length, 13.2; breadth of braincase, 6.3; length of maxillary tooth row, 5.

Myotis esmeraldae J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 33, art. 29, pp. 385–386, July 9, 1914.

= *Myotis nigricans nigricans* (Wied). According to Miller and Allen, Bull. U. S. Natl. Mus., no. 144, p. 179, 1928.

= *Myotis nigricans nigricans* (Schinz). According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 99, p. 451, 1949.

33239. Skin and skull. Adult male. Esmeraldas, Ecuador. November 5, 1912. Collector: W. B. Richardson.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: forearm, 34 mm. Skull: greatest length, 13.2; breadth of braincase, 6.3; length of maxillary tooth row, 5.

Myotis ruber keaysi J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 33, art. 29, p. 383, July 9, 1914.

= *Myotis nigricans nigricans* (Wied). According to Miller and Allen, Bull. U. S. Natl. Mus., no. 144, p. 179, 1928.

= *Myotis nigricans nigricans* (Schinz). According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 99, p. 451, 1949.

15814. Skin and skull. Adult male. Inca Mines (latitude 13° 30′ S., longitude 70° W.), Peru. Altitude, 6000 feet. December 2, 1899. Collector: H. H. Keays. Original number 15.

Skin in good condition. Skull lacking zygomatic arches and posterior part of braincase.

MEASUREMENTS: Skin: total length, 3 1/2 inches; tail, 1 5/8 inches; forearm, 38.8 mm. Skull: breadth of braincase, 6 mm.; length of maxillary tooth row, 5.3 mm.

Myotis punensis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 33, art. 29, pp. 383–384, July 9, 1914.

= *Myotis nigricans nigricans* (Wied). According to Miller[1] and Allen, Bull. U. S. Natl. Mus., No. 144, p. 179, 1928.

= *Myotis nigricans nigricans* (Schinz). According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 99, p. 451, 1949.

36263. Skin and skull. Adult male. Funa Island, Ecuador, April 8, 1913. Collector: W. B. Richardson.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: forearm, 31.5 mm. Skull: greatest length, 12.7; breadth of braincase, 6.6; length of maxillary tooth row, 4.65.

[1] Miller penciled "*atacamensis*" on the label, which it may well be, although it is listed (*loc. cit.*) under *nigricans*.

Myotis maripensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 33, art. 29, p. 385, July 9, 1914.
= *Myotis nigricans nigricans* (Wied). According to Miller and Allen, Bull. U. S. Natl. Mus., no. 144, p. 179, 1928.
= *Myotis nigricans nigricans* (Schinz). According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 99, p. 451, 1949.

17069. Skin and skull. Adult female. Maripa, Venezuela. December 13, 1900 (*nec* 1909 as in type description). Collector: S. M. Klages. Original number 159.
Skin in fair condition. Skull complete.
MEASUREMENTS: Skin: forearm, 33 mm. Skull: greatest length, 13.2; breadth of braincase, 6.3; length of maxillary tooth row, 5.

Vespertilio chrysonotus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 8, p. 240, November 21, 1896.
= *Myotis evotis chrysonotus* (Allen). According to Miller and Allen, Bull. U. S. Natl. Mus., no. 144, p. 116, 1928.

11645. Skin only. Adult female. Kinney Ranch, Sweetwater, Wyoming. July 21, 1895. Collector: Walter W. Granger. Original number 791.
Skin in fair condition. Skull not saved.
MEASUREMENTS: Skin: total length, 72 mm.; tail, 26; hind foot, 10; forearm, 40.

Vespertilio velifer J. A. Allen
Amer. Mus. Nat. Hist., vol. 3, art. 11, pp. 177–178, December 10, 1890.
= *Myotis velifer velifer* (Allen). According to Miller and Allen, Bull. U. S. Natl. Mus., no. 144, p. 89, 1928.

2696/2135. Skin and skull. Adult male. Santa Cruz del Valle, Guadalajara, Jalisco, Mexico. September 7, 1889. Collector: Dr. A. C. Buller. Original number 75.
Skin in fair condition. Skull complete.
MEASUREMENTS: Skin: forearm, 42.5 mm. Skull: greatest length, 16.5; breadth of braincase, 8.2; length of maxillary tooth row, 6.4.

Vespertilio incautus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 8, art. 14, pp. 239–240, November 21, 1896.
= *Myotis velifer incautus* (Allen). According to Miller and Allen, Bull. U. S. Natl. Mus., no. 144, p. 92, 1928.

12214/10566. Skin and skull. Adult male. San Antonio, Bexar County, Texas. October 10, 1896. Collector: H. P. Attwater. Original number 221.
Skin in good condition. Skull not located.
MEASUREMENTS: Skin, total length, 3.75 inches; tail, 1.75 inches; forearm, 43.7 mm.

Myotis californicus durangae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 19, art. 24, p. 612, November 12, 1903.
= *Myotis yumanensis yumanensis* (H. Allen). According to Miller and Allen, Bull. U. S. Natl. Mus., no. 144, p. 66, 1928.

21459. Skin and skull. Adult female. San Gabriel, Rio Sestin, northwestern Durango, Mexico. June 16, 1903 (*nec* April 15 as in type description). Collector: J. H. Batty.
Skin in fair condition. Skull complete.
MEASUREMENTS: Skin: forearm, 32.5 mm. Skull: greatest length, 13.1; breadth of braincase, 6.5; length of maxillary tooth row, 4.7.

Myotis frater G. M. Allen
Amer. Mus. Novitates, no. 85, p. 6, August 28, 1923.

48039. Preserved in alcohol. Skull removed. Adult male. Yenping, Fukien, China. August 10, 1920. Collector: H. R. Caldwell. Second Asiatic Expedition.
Skin and trunk in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 94 mm.; tail, 47; hind foot, 8; forearm, 39. Skull: greatest length, 13.5; zygomatic width, 9.2; length of maxillary tooth row, 5.

Myotis chinensis luctuosus G. M. Allen
Amer. Mus. Novitates, no. 85, p. 5, August 28, 1923.
= *Myotis myotis luctuosus* Allen. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 145, November 19, 1951.

56867. Skin and skull. Adult male. Yenchingkou (cave), Wanhsien, Szechwan, China. October 12, 1921. Collector: W. Granger. Third Asiatic Expedition. Original number 60.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: head and body, 80 mm.; tail, 65; hind foot, 16; forearm, 65. Skull: greatest length, 24; zygomatic width, 15.5; length of maxillary tooth row, 9.5.

GENUS **NYCTALUS** BOWDICH

Nyctalus velutinus G. M. Allen
Amer. Mus. Novitates, no. 85, p. 7, August 28, 1923.
= *Nyctalus noctula velutinus* Allen. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 161, November 19, 1951.

44649. Skin and skull. Adult male. Futsing, Fukien, China. July 29, 1916. Collectors: E. Heller and R. C. Andrews. Asiatic Zoological Expedition. Original number 152.

Skin in good condition. Skull complete but with zygomatic arches broken.

MEASUREMENTS: Skin: head and body, 75 mm.; tail, 52; hind foot, 11; forearm, 49. Skull: greatest length, 18; length of maxillary tooth row, 7.0.

GENUS **PIPISTRELLUS** KAUP

Pipistrellus portensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 22, art. 28, pp. 487–488, December 17, 1906.
= *Pipistrellus* (?) *coromandra portensis* Allen. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 166, November 19, 1951.

26797. Skin and skull. Semi-adult male. Porten, Hainan, China. July 4, 1904. Purchased from Alan Owston of Yokohama, taken by his agents. Original number 28.

Skin in good condition. Skull lacking basal portion of cranium.

MEASUREMENTS: Skin: forearm, 32.3. Skull: greatest length, 12.5; breadth of braincase, 6.2; length of maxillary tooth row, 4.35.

Pipistrellus anthonyi Tate
Bull. Amer. Mus. Nat. Hist., vol. 80, art. 7, pp. 252–253, November 27, 1942.

114849. Skin and skull. Adult male. Changyinku, northern Burma. Altitude, 7000 feet. March 13, 1939. Collector: H. E. Anthony. Vernay-Cutting Burma Expedition. Original number 4345.

Skin in good condition. Skull fragmentary.

MEASUREMENTS: Skin: total length, 96 mm.; tail, 41; hind foot, 10; forearm, 38. Skull: length of maxillary tooth row, 5.0.

Pipistrellus abaensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 37, art. 18, pp. 442–443, September 29, 1917.

48979. Skin and skull. Adult female. Aba, Belgian Congo. December 18, 1910. Collectors: Herbert Lang and J. P. Chapin. American Museum Congo Expedition. Original number 1825.

Skin in good condition. Skull lacking upper part of braincase.

MEASUREMENTS: Skin: total length, 77 mm.; tail, 33; hind foot, 7; forearm, 31.5. Skull: greatest length, 11.7; breadth of braincase, 5.7; length of maxillary tooth row, 3.9.

GENUS **EPTESICUS** RAFINESQUE

Adelonycteris gaumeri J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 9, pp. 231–232, September 28, 1897.
= *Eptesicus propinquus* (Peters). According to Osgood, Proc. Biol. Soc. Washington, vol. 27, p. 101, May 11, 1914.

12753/11040. Skin and skull. Adult female. Izamal, Yucatan, Mexico. Catalogued in September, 1896. Collector: G. F. Gaumer. Original number 11.

Skin in fair condition. Skull complete, except for right bulla.

MEASUREMENTS: Skin: forearm, 40 mm. Skull: greatest length, 16; zygomatic breadth, 10.5; length of maxillary tooth row, 5.5.

Eptesicus chapmani J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 34, art. 22, pp. 632–633, December 30, 1915.
= *Eptesicus propinquus chapmani* Allen. This form is closely allied to *propinquus*.

37057. Skin and skull. Adult female. Lower Rio Solimoens, Brazil. April 30, 1914. Collector: L. E. Miller. Roosevelt Brazilian Expedition. Original number 421.

Skin in good condition. Skull complete except for right bulla.

MEASUREMENTS: Skin: total length, 95 mm.; tail, 40; hind foot, 8.0; forearm, 38. Skull: greatest length, 16; zygomatic breadth, 10.5; length of maxillary tooth row, 5.65.

Eptesicus andinus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 33, art. 29, p. 382, July 9, 1914.
= *Eptesicus brasiliensis andinus* Allen. According to Hershkovitz, Proc. U. S. Natl. Mus. no. 3246, vol. 99, p. 451, 1949.

33807. Skin and skull. Adult male. Valle de las Papas, central Andes, Huila, Colombia. Altitude, 10,000 feet. March 26, 1912. Col-

lectors: Arthur A. Allen and Leo E. Miller. Original number 703.

Skin in good condition but lacking left hind limb. Skull complete except for first left lower molar.

MEASUREMENTS: Skin: head and body, 65 mm.; tail, 35; hind foot, 8; forearm, 43.4. Skull: greatest length, 16.5; zygomatic breadth, 10.4; length of maxillary tooth row, 6.2.

Eptesicus chiralensis Anthony

Amer. Mus. Novitates, no. 240, p. 6, December 4, 1926.

= *Eptesicus brasiliensis chiralensis* Anthony. This is a small form, referable to the *brasiliensis* group.

47219. Skin and skull. Adult male. El Chiral, western Andes, Province of El Oro, Ecuador. Altitude, 5350 feet. August 1, 1920. Collector: H. E. Anthony. Original number 1785.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 97 mm.; tail, 38; hind foot, 10; forearm, 41. Skull: greatest length, 15.6; zygomatic breadth, 10.3; length of maxillary tooth row, 5.9.

Eptesicus capensis angolensis Hill

Amer. Mus. Novitates, no. 916, pp. 1–2, fig. 1, April 17, 1937.

= *Eptesicus flavescens* (Seabra). According to Hill and Carter, Bull. Amer. Mus. Nat. Hist., vol. 78, art. 1, p. 47, June 25, 1941.

85535. Skin and skull. Adult male. Chitau, Angola. August 5, 1925. Collector: H. Lang. Vernay Angola Expedition. Original number 620.

Skin in good condition. Skull complete except for right bullae.

MEASUREMENTS: Skin: head and body, 56 mm.; tail, 34; hind foot, 10; forearm, 37. Skull: greatest length, 14.2; zygomatic breadth, 10.4; length of maxillary tooth row, 5.

Eptesicus garambae J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 37, art. 18, pp. 445–446, September 29, 1917.

49340. Skin and trunk in alcohol. Skull removed. Adult male. Garamba, Belgian Congo. March 14, 1912. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 1888.

Skin in good condition. Skull complete, except zygomatic arches broken.

MEASUREMENTS: Skin: total length, 77.6 mm.; tail, 33; hind foot, 9.1; forearm, 32.8. Skull: greatest length, 13.7; breadth of braincase, 6.5; length of maxillary tooth row, 4.5.

Eptesicus ater J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 37, art. 18, pp. 443–444, September 29, 1917.

48988. Skin and skull. Adult male. Faradje, northeastern Belgian Congo. March 1, 1911. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 1466.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 68 mm.; tail, 29; hind foot, 6; forearm, 27.5. Skull: greatest length, 12.2; zygomatic breadth, 7.5; length of maxillary tooth row, 4.0.

Eptesicus faradjius J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 37, art. 18, pp. 444–445, September 29, 1917.

49045. Skin and skull. Adult female. Faradje, northeastern Belgian Congo. February 21, 1911 (*nec* 1914 as in type description). Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 1414.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 93 mm.; tail, 39; hind foot, 8; forearm, 33. Skull: greatest length, 13.8; zygomatic breadth, 9; length of maxillary tooth row, 4.6.

GENUS **HISTIOTUS** GERVAIS

Histiotus inambarus Anthony

Jour. Mammal., vol. 1, no. 2, pp. 85–86, February, 1920.

= *Histiotus montanus inambarus* Anthony. According to Sanborn, Publ. Mus. Hist. Nat. "Javier Prado," Univ. Nac. Mayor San Marcos, Lima, ser. A, no. 6, p. 13, October, 1951.

37194. Skin and skull. Adult female. Rio Inambari (latitude 13° 55′ S., longitude 70° 15′ W.), Peru. Altitude, 2200 feet. March 12, 1915. Collectors: H. and C. Watkins. Original number 9.

Skin in good condition. Skull incomplete, crushed in occipital region.

MEASUREMENTS: Skin: head and body, 56

mm.; tail, 52; hind foot, 9; forearm, 48.3. Skull: greatest length, 17.2; zygomatic breadth, 10; length of maxillary tooth row, 6.

GENUS **SCOTOPHILUS** LEACH

Scotophilus kuhlii insularis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 22, art. 28, p. 485, December 17, 1906.
= *Scotophilus heathii insularis* Allen. According to G. M. Allen, The mammals of China and Mongolia, Natural history of Central Asia, vol. 11, pt. 1, p. 253, September 2, 1938.

26786. Skin and skull. Adult male. Rintoi, Island of Hainan, China. July 1, 1904. Purchased from Alan Owston of Yokohama, taken by his agents. Original number 20.

Skin in good condition. Skull incomplete, lacking most of braincase.

MEASUREMENTS: Skin: forearm, 66 mm. Skull: length of maxillary tooth row, 8.6.

Scotophilus castaneus consobrinus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 22, art. 28, pp. 485–486, December 17, 1906.
= *Scotophilus temminckii consobrinus* Allen. According to G. M. Allen, The mammals of China and Mongolia, Natural history of Central Asia, vol. 11, pt. 1, p. 254, September 2, 1938.

26788. Skin and skull. Adult female. Rintoi, Island of Hainan, China. July 1, 1904. Purchased from Alan Owston of Yokohama, taken by his agents. Original number 36.

Skin in good condition. Skull incomplete, lacking under side of braincase.

MEASUREMENTS: Skin: forearm, 50 mm. Skull: greatest length, 19; breadth of braincase, 8.4; length of maxillary tooth row, 6.3.

GENUS **GLAUCONYCTERIS** DOBSON

Glauconycteris humeralis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 37, art. 18, pp. 448–449, fig. 7a, September 29, 1917.

49013. Skin and skull. Adult female. Medje, Belgian Congo. September 7, 1910. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 956.

Skin in good condition. Skull complete except that zygomatic arches are broken and left side of mandible is lacking.

MEASUREMENTS: Skin: total length, 82 mm.; tail, 40; hind foot, 7; forearm, 36.8. Skull: greatest length, 11.3; breadth of braincase, 7.3; length of maxillary tooth row, 3.6.

Glauconycteris alboguttatus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 37, art. 18, pp. 449–450, fig. 7b, September 29, 1917.

49317. Skin and trunk in alcohol. Skull removed. Adult female. Medje, Belgian Congo. March 14, 1914. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 2351.

Skin and body in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 94 mm.; tail, 42; hind foot, 8; forearm, 41.5. Skull: greatest length, 13.2; breadth of braincase, 7.5; length of maxillary tooth row, 4.5.

GENUS **DASYPTERUS** PETERS

Dasypterus ega punensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 33, art. 29, pp. 382–383, July 9, 1914.

36271. Skin and skull. Adult female. Puna Island, Ecuador. April 3, 1913. Collector: W. B. Richardson.

Skin in good condition but forearm incomplete. Skull complete.

MEASUREMENTS: Skull: greatest length, 15.5 mm.; zygomatic breadth, 10.8; length of maxillary tooth row, 5.5.

GENUS **IDIONYCTERIS** ANTHONY

Idionycteris mexicanus Anthony
Amer. Mus. Novitates, no. 54, pp. 1–4, fig. 1, January 17, 1923.

62260. Skin and skull. Adult female. Miquihauna, Tamalipas [Tamaulipas], Mexico. June 17, 1922. Collector: W. W. Brown. (Collection of Dr. L. C. Sanford.) Original number 2.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 110 mm.; tail, 50; hind foot, 10; length of ear from notch, dry, 34; forearm, 44. Skull: greatest length, 17.2; breadth of braincase, 9.5; length of maxillary tooth row, 5.5.

GENUS **EUDERMA** H. ALLEN

Histiotus maculatus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 3, art. 12, pp. 195–198, February 20, 1891.
= *Euderma maculata* (Allen). According to H. Allen, Bull. U. S. Natl. Mus., no. 43, p. 61, 1893.

3922/2991. Skin and skull and part of skele-

ton. Semi-adult. Near Piru, Ventura County, California. March, 1890. The original label bears the legend "caught on a fence." Collector: Thos. Shooter, San Fernando Valley, Los Angeles County, California.

Skin in good condition. Skull and part of skeleton not located since 1903.

MEASUREMENTS: Skin: head and body, 62 mm.; tail, 49.5; hind foot, 7.6; forearm, 50.8. Skull: greatest length, 19; zygomatic breadth, 10.9; length of upper tooth row, including incisors, 6.8.

GENUS **MINIOPTERUS** BONAPARTE

Miniopterus breyeri vicinior J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 37, art. 18, pp. 450–451, September 29, 1917.

49019. Skin and skull. Adult male. Aba, northeastern Belgian Congo. December 16, 1911. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 1770.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 100 mm.; tail, 48; hind foot, 11; forearm, 43.2. Skull: greatest length, 14.8; breadth of braincase, 7.5; length of maxillary tooth row, 5.3.

Miniopterus schreibersii parvipes G. M. Allen

Amer. Mus. Novitates, no. 85, p. 7, August 28, 1923.

44656. Skin and skull. Adult male. Yenping, Fukien, China. June 16, 1916. Collector: R. C. Andrews. Asiatic Zoological Expedition. Original number 9.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: forearm, 48 mm. Skull: greatest length, 16.2; breadth of braincase, 7.7; length of maxillary tooth row, 6.

GENUS **KERIVOULA** GRAY

Kerivoula muscina Tate

Bull. Amer. Mus. Nat. Hist., vol. 78, art. 9, pp. 586–587, December 31, 1941.

105315. Archbold Collections. Skin and skull. Adult male. Lake Daviumbu, 6 miles above mouth of Strickland River, middle Fly River, Western Division of Papua, British New Guinea. Altitude, about 20 meters. September 6, 1936. Collector: G. H. H. Tate. 1936 Archbold New Guinea Expedition. Original number A-2701.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 78 mm.; tail, 42; hind foot, 7; forearm, 31.5. Skull: greatest length, 13.2; zygomatic breadth, 7.6; length of maxillary tooth row, 5.3.

FAMILY **MOLOSSIDAE** GILL

GENUS **MOPS** LESSON

Mops congicus J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 37, art. 18, pp. 467–468, September 29, 1917.

48893. Skin and skull. Adult female. Medje, Belgian Congo. September 8, 1910. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 966.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 140 mm.; tail, 39; hind foot, 17; forearm, 55. Skull: greatest length, 27; zygomatic breadth, 15; length of maxillary tooth row, 9.

Mops chitauensis Hill

Amer. Mus. Novitates, no. 916, p. 3, fig. 1, April 17, 1937.

88116. Skin and skull. Adult male. Chitau, Angola. Altitude, 4930 feet. February 10, 1933. Collector: L. S. Bradley. Phipps Bradley Expedition. Original number 676.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 116 mm.; tail, 41; forearm, 46.3. Skull: greatest length, 23.3; zygomatic breadth, 14.5; length of maxillary tooth row, 9.1.

Mops niangarae J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 37, art. 18, pp. 468–469, September 29, 1917.

48901. Skin and skull. Adult male. Niangara, northeastern Belgian Congo. December 12, 1910. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 1313.

Skin in good condition. Skull complete except for bullae.

MEASUREMENTS: Skin: total length, 125 mm.; tail, 34; hind foot, 13; forearm, 50.2. Skull: greatest length, 24.2; zygomatic breadth, 14.6; length of maxillary tooth row, 8.6.

Mops trevori J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 37, art. 18, p. 469, pl. 48, fig. 2, September 29, 1917.

49250. Skin and trunk in alcohol. Skull removed. Adult female. Faradje, Belgian Congo. September 29, 1912. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 1954.

Skin and trunk in good condition. Skull not located.

MEASUREMENTS: Skin: total length, 121.5 mm.; tail, 39.2; hind foot, 13.6; forearm, 53. Skull: total length, 24; zygomatic breadth, 14.6; length of maxillary tooth row, 8.6.

SUBGENUS **ALLOMOPS** ALLEN

Mops (Allomops) faradjius J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 37, art. 18, pp. 476–477, September 29, 1917.

49222. Skin and trunk in alcohol. Skull removed. Faradje, Belgian Congo. November 1, 1913. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 3015.

Skin and trunk in good condition. Skull complete except occipital region broken.

MEASUREMENTS: Skin: total length, 108 mm.; tail, 32; hind foot, 9; forearm, 43.5. Skull: greatest length, 22.2; zygomatic breadth, 12.9; length of maxillary tooth row, 7.8.

Mops (Allomops) nanulus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 37, art. 18, pp. 477–478, September 29, 1917.

48864. Skin and skull. Adult male. Niangara, Belgian Congo. December 12, 1910. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 1318.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 82 mm.; tail, 21; hind foot, 8; forearm, 29. Skull: greatest length, 17.5; zygomatic breadth, 10.9; length of maxillary tooth row, 6.3.

Mops (Allomops) occipitalis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 37, art. 18, pp. 474–475, text fig. 15, September 29, 1917.

48851. Skin and skull. Adult male. Avakubi, Belgian Congo. February 13, 1914. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 2487.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 98 mm.; tail, 30; hind foot, 10; forearm, 38. Skull: greatest length, 20.6; zygomatic breadth, 12.7; length of maxillary tooth row, 6.9.

Chaerephon (Allomops) osborni J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 37, art. 18, p. 470, figs. 12–14, 26, September 29, 1917.
= *Mops (Allomops) osborni* (Allen). According to J. A. Allen, Bull. Amer. Mus. Nat. Hist., vol. 37, art. 18, pp. 473–474, September 29, 1917.

49230. Skin and trunk in alcohol. Skull removed. Adult male. Kinshasa, near Leopoldville, Belgian Congo. December 22, 1914. Cotype number 49244. Adult female, in alcohol. Same locality and date. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 2570.

Skin and trunk in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 111.3 mm.; tail, 37.8; hind foot, 10.5; forearm, 49. Skull: greatest length, 22.9; zygomatic breadth, 13.2; length of maxillary tooth row, 7.7.

GENUS **CHAEREPHON** DOBSON

Chaerephon frater J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 37, art. 18, pp. 456–457, September 29, 1917.

49275. Skin and trunk in alcohol. Skull removed. Adult female. Malela (near Boma), southeastern Belgian Congo. July 8, 1915. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 2613.

Skin and trunk in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 80 mm.; tail, 30; hind foot, 7.2; forearm, 37. Skull: greatest length, 16.2; zygomatic breadth, 9.4; length of maxillary tooth row, 5.6.

Chaerephon russatus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 37, art. 18, pp. 458–460, September 29, 1917.

48925. Skin and skull. Adult male. Medje, Belgian Congo. September 8, 1910. Collectors: H. Lang and J. P. Chapin. American

Museum Congo Expedition. Original number 993.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 102 mm.; tail, 31; hind foot, 10; forearm, 45.7. Skull: greatest length, 18.7; zygomatic breadth, 11; length of maxillary tooth row, 6.4.

SUBGENUS **LOPHOMOPS** ALLEN

Chaerephon (Lophomops) abae J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 37, art. 18, pp. 464–466, fig. 11, September 29, 1917.

48887. Skin and skull. Adult female. Aba, northeastern Belgian Congo. December 17, 1911. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 1823.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 103 mm.; tail, 39; hind foot, 11; forearm, 43. Skull: greatest length, 18.5; zygomatic breadth, 11.2; length of maxillary tooth row, 6.7.

Chaerephon (Lophomops) chapini J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 37, art. 18, pp. 461–463, fig. 9, September 29, 1917.

48841. Skin and skull. Adult male. Faradje, northeastern Belgian Congo. November 11, 1912. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 1971.

Skin in good condition. Skull with braincase crushed but repaired.

MEASUREMENTS: Skin total length, 84 mm.; tail, 28; hind foot, 7; forearm, 34. Skull: greatest length, 15.5; breadth of braincase, 7.6; length of maxillary tooth row, 5.4.

Chaerephon (Lophomops) cristatus J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 37, art. 18, pp. 463–464, fig. 10, A, B, September 29, 1917.

48844. Skin and skull. Adult male. Boma, near mouth of Congo River, Belgian Congo. January 26, 1915. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 2628.

Skin in good condition. Skull lacking left bullae.

MEASUREMENTS: Skin: total length, 87 mm.; tail, 31; hind foot, 9; forearm, 36. Skull: greatest length, 16.3; zygomatic breadth, 9.7; length of maxillary tooth row, 5.5.

GENUS **MORMOPTERUS** PETERS

Nyctinomus minutus Miller

Bull. Amer. Mus. Nat. Hist., vol. 12, art. 12, pp. 173–176, fig. 1, October 20, 1899.

= *Mormopterus minutus* (Miller). According to Miller, Bull. U. S. Natl. Mus., no. 57, p. 254, 1907.

4915. Preserved in alcohol. Skull removed. Adult male. Trinidad, Cuba. March 8, 1892. Collector: F. M. Chapman. Original number 359.

Skin and trunk in fair condition, epidermis slipped on abdomen. Skull complete.

MEASUREMENTS: Skin: total length, 74 mm.; tail, 28; hind foot, 6; forearm, 29. Skull: greatest length, 13.5; zygomatic breadth, 8; length of maxillary tooth row, 4.8.

Mormopterus peruanus J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 33, art. 29, p. 387, July 9, 1914.

16075. Skin and skull. Adult female. Inca Mines (latitude 13° 30′ S., longitude 70° W.), Peru. Altitude, 6000 feet. March 14, 1900. Collector: H. H. Keays. Original number 40.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 4 1/8 inches; tail, 1 5/8 inches; forearm, 43.5 mm. Skull: greatest length, 17 mm.; zygomatic breadth, 9.7; length of maxillary tooth row, 6.2.

GENUS **NYCTINOMUS** GEOFFROY

Nyctinomus ochraceus J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 37, art. 18, pp. 455–456, September 29, 1917.

48821. Skin and skull. Adult female. Medje, Belgian, Congo. March 16, 1910. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 745.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 105 mm.; tail, 33; hind foot, 11; forearm, 37.7. Skull: greatest length, 18.6; zygomatic breadth, 11.7; length of maxillary tooth row, 7.

GENUS **TADARIDA** RAFINESQUE

Nyctinomus aequatorialis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 33, art. 29, pp. 386–387, July 9, 1914.

= *Tadarida macrotis* (Gray). According to Shamel,

Proc. U. S. Natl. Mus. vol. 78, art. 19, p. 16, 1931.

= *Tadarida molossa* (Pallas). According to Hershkovitz, Proc. U. S. Natl. Mus. vol. 99, p. 452, 1949.

34383. Skin and skull. Adult. Chone, Manavi, Ecuador. February 2, 1913. Collector: W. B. Richardson.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: forearm, 58.5 mm. Skull: greatest length, 23.7; zygomatic breadth, 12.5; length of maxillary tooth row, 9.2.

Promops affinis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 13, art. 8, pp. 91–92, May 12, 1900.

= *Tadarida macrotis* (Gray). According to Shamel, Proc. U. S. Natl. Mus., vol. 78, art. 19, p. 15, 1931.

= *Tadarida molossa* (Pallas). According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 99, p. 452, 1949.

15109. Skin without skull. Adult female. Taguaga=Taganga, Colombia. June 23, 1899. Collector: Mrs. H. H. Smith. Jesup Santa Marta Expedition. Original number 567.

Skin in good condition. Skull crushed, not saved.

MEASUREMENTS: Skin: total length, 136 mm.; tail, 68; hind foot, 11; forearm, 60.

Molossus fuliginosus W. Cooper

Ann. Lyc. Nat. Hist., New York, vol. 4, pp. 67–68, pl. 3, figs. 3–4, November, 1837.

= *Tadarida cynocephala* (LeConte). According to Johnson, Proc. Biol. Soc. Washington, vol. 65, p. 197, November 5, 1952.

Skin and skull. Milledgeville, Georgia. Collector: Dr. Boykin. No date, number, or sex recorded.

The type was a study skin with the skull inside, destroyed by fire when the Lyceum Museum was burned, May 21, 1866.[1]

MEASUREMENTS: Skin: total length, 3.5 inches; length of tail vertebrae, 1.4 inches; length of forearm, 1.5 inches.

[1] The New York Times in a six-column account (May 26, 1866, p. 8) states, "... the greatest loss to science was the total destruction of the entire collections of the Lyceum of Natural History."

GENUS **EUMOPS** MILLER

Molossus perotis[2] Schinz

Das Thierreich, vol. 1, p. 870, 1821.

= *E[umops] perotis* (Wied). According to Miller, Proc. Biol. Soc. Washington, vol. 19, p. 85, June 4, 1906.

435. Skin and skull. Adult. Villa San Salvador, Campos des Goarytocasas, Rio Parahyba, Brazil. Collector: Maximilian Wied.

Skin in poor condition, originally mounted and made over. Skull fragmentary, removed from mounted skin.

MEASUREMENTS: Skin: forearm, 80 mm. Skull: length of maxillary tooth row, 13.

Eumops underwoodi Goodwin

Amer. Mus. Novitates, no. 1075, p. 2, June 27, 1940.

126862. Skin and skull. Adult male. El Pedrero, 6 kilometers north of Chinaela, Department of La Paz, Honduras. Altitude, 3000 feet. March 18, 1937. Collector: Cecil F. Underwood. Original number 1995.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: head and body, 113 mm.; tail, 52; hind foot, 15; forearm, 71.5. Skull: greatest length, 32.3; zygomatic width, 18.8; length of maxillary tooth row, 12.3.

Promops milleri J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 13, art. 8, pp. 92–93, May 12, 1900.

= *Eumops abrasus milleri* (Allen). According to Sanborn, Jour. Mammal., vol. 13, no. 4, p. 352, November, 1932.

11836/10128. Skin and skull. Adult female. Guayabamba (=Santa Rosa de Huayabamba), San Martin, Peru. Altitude, 6000 feet. September 24, 1894. Collector: O. T. Baron.

Skin in good condition. Skull lacking left bulla and mandible and somewhat broken about foramen magnum.

MEASUREMENTS: Skin: head and body, 81 mm.; tail, 46; hind foot, 16; forearm, 57. Skull: greatest length, 25.5; zygomatic breadth, 14; length of maxillary tooth row, 9.5.

[2] The specimen is one of a collection acquired by the American Museum from Maximilian. It has no original label but bears an American Museum type label inscribed in J. A. Allen's handwriting "*Molossus perotis* Wied."

Promops barbatus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 20, pp. 228–229, June 29, 1904.
= *Eumops abrasus milleri* Allen. According to Sanborn, Jour. Mammal., vol. 13, no. 4, p. 352, November, 1932.

17570. Skin and skull. Adult male. La Union, Venezuela. September 27, 1901. Collector: S. M. Klages. Original number 275.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: forearm, 56. Skull: greatest length, 24.7; zygomatic breadth, 13.3; length of maxillary tooth row, 9.2.

GENUS **MOLOSSUS** GEOFFROY

Molossus bondae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 20, p. 228, June 29, 1904.

23661. Skin and skull. Adult female. Bonda, Santa Marta, Colombia. February 10, 1900. Collector: Mrs. H. H. Smith. Santa Marta Expedition. Original number 1235.
Skin in good condition. Skull complete except for mandible.
MEASUREMENTS: Skin: forearm, 39.5 mm. Skull: greatest length, 18.5; zygomatic breadth, 11.3; length of maxillary tooth row, 6.7.

Molossus cherriei J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 35, art. 27, pp. 529–530, July 24, 1916.

36669. Skin only. Adult female. Tapirapoan, a few miles northeast of Cuyabá on the Rio Sepotuba, Mato Grosso, Brazil. January 13, 1914. Collector: George K. Cherrie. Roosevelt Brazilian Expedition. Original number 255 (17664).
Skin in good condition. Skull apparently not saved.
MEASUREMENTS: Skin: forearm, 33 mm.

Molossus coibensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 20, pp. 227–228, June 29, 1904.

18731. Skin and skull. Adult male. Coiba Island, Panama. June 3, 1901. Collector: J. H. Batty. Original number 142.
Skin in fair condition. Skull complete.
MEASUREMENTS: Skin: forearm, 35 mm. Skull: greatest length, 16.3; zygomatic breadth, 10.5; length of maxillary tooth row, 6.2.

Molossus daulensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 35, art. 27, p. 530, July 24, 1916.

36257. Skin and skull. Adult male. Daule, Ecuador. April 23, 1913. Collector: W. B. Richardson.
Skin in good condition, forearm incomplete. Skull complete.
MEASUREMENTS: Skull: greatest length, 16.5 mm.; zygomatic breadth, 10; length of maxillary tooth row, 6.

Molossus sinaloae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 22, art. 12, p. 236, July 25, 1906.

24524. Skin and skull. Adult female. Escuinapa, Sinaloa, Mexico. February 15, 1904. Collector: J. H. Batty. Original number 1044.
Skin in fair condition. Skull complete.
MEASUREMENTS: Skin: head and body, 2 3/4 inches; tail, 1 1/2 inches; forearm, 43 mm. Skull: greatest length, 20; zygomatic breadth, 12; length of maxillary tooth row, 7.3.

Molossus verrilli J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 24, art. 29, pp. 581–582, September 11, 1908.
= *Molossus major verrilli* Allen. According to Hershkovitz, Fieldiana: Zool., vol. 31, no. 47, p. 558, July 10, 1951.

25764. Skin and skull. Adult male. Samana, Santo Domingo, West Indies. February 5, 1907. Collector: A. H. Verrill, purchased from Kny Scheerer Co. Original number 18.
Skin in poor condition. Skull incomplete, lacking part of occipital and basal regions and zygomatic arches.
MEASUREMENTS: Skin: forearm, 38.8 mm. Skull: greatest length, 17.5; breadth of braincase, 8.8; length of maxillary tooth row, 5.7.

ORDER **PRIMATES** LINNAEUS

FAMILY **TUPAIIDAE** MIVART

GENUS **TUPAIA** RAFFLES

Tupaia modesta J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 22, art. 28, pp. 481–482, December 17, 1906.
= *Tupaia belangeri modesta* Allen. According to A. B. Howell, Proc. U. S. Natl. Mus., vol. 75, art. 1, p. 5, 1929.

26654. Skin and skull. Adult male. Lei-Mui-Mon, Island of Hainan, China. January 5, 1903. Purchased from Alan Owston of Yokohama, collected by his agents. Original number 5.

Skin in good condition. Skull lacking posterior and basal portions of braincase.

MEASUREMENTS: Skin (dry): total length, 328 mm.; tail, 150; hind foot, 47. Skull: greatest length, 50; zygomatic breadth, 25.5; length of entire upper tooth row, 26.7; length of maxillary tooth row, 18.

FAMILY **LEMURIDAE** GRAY

GENUS **LEMUR** LINNAEUS

Lemur fulvus sanfordi Archbold

Amer. Mus. Novitates, no. 518, p. 1, March 26, 1932.

100585. Archbold Collections. Skin and skull. Adult male. Mt. D'Ambre, Madagascar. October 17, 1930. Collectors: A. L. Rand and P. A. Dumont. Original number 1083.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 895 mm.; tail vertebrae, 495; hind foot, 107. Skull: greatest length, 90.5; greatest breadth, 51.5; length of upper tooth row, 42.5.

FAMILY **CEBIDAE** SWAINSON

GENUS **AOTUS** HUMBOLDT

Aotus aversus Elliot

Bull. Amer. Mus. Nat. Hist., vol. 32, art. 12, p. 251, July 14, 1913.

= *Aotus trivirgatus lemurinus* Geoffroy. According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 98, p. 406, 1949.

34562. Skin and skull. Adult female. Fusagasuga (not Fusugasuga as in type description), Cundinamarca, eastern cordilleras, Colombia. Altitude, 8000 feet. March 30, 1913. Collector: F. M. Chapman. Original number 78.

Skin in good condition. Skull complete except for second left upper incisor, last left upper molar, and last lower right molar.

MEASUREMENTS: Skin: total length, 675 mm.; tail vertebrae, 350; hind foot, 70. Skull: greatest length, 65.6; greatest breadth, 43.7; length of maxillary tooth row, 17.7.

Aotus griseimembra Elliot

Bull. Amer. Mus. Nat. Hist., vol. 31, art. 2, p. 33, March 4, 1912.

= *Aotus trivirgatus griseimembra* Elliot. According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 98, p. 402, 1949.

32664. Skin, skull, and skeleton. Adult male. Hacienda Cincinnati, Santa Marta, Bonda, Colombia. July 20, 1911. Collector: M. A. Carriker, Jr. Original number 10496.

Skin in good condition but lacking distal half of tail. Skull lacking upper right molar series, apparently destroyed by bullet.

MEASUREMENTS: Skin: total length, 1047; tail, 372; hind foot, 92.5. Skull: greatest length, 62.2; greatest breadth, 40.5; length of maxillary tooth row, 17.

Aotus pervigilis Elliot

Bull. Amer. Mus. Nat. Hist., vol. 32, art. 12, p. 252, July 14, 1913.

= *Aotus trivirgatus lemurinus* I. Geoffroy. According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 98, p. 406, 1949.

33879. Skin and skull without mandible. La Candela, Huila, Colombia. Altitude, 6500 feet. May 19, 1912. Collector: Leo E. Miller. Original number 780.

Skin in fair condition, lacking right foreleg. Skull not located.

MEASUREMENTS: Skin (dry): total length, 750; tail vertebrae, 400; hind foot, 80. Skull: greatest length, 64.1; zygomatic breadth, 40.7; length of upper molar series, 14.6.

GENUS **CALLICEBUS** THOMAS

Callicebus lugens duida J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 33, art. 43, pp. 647–648, December 14, 1914.

= *Callicebus torquatus lugens* (Humboldt). According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 76, p. 220, October 20, 1939.

36179. Skin and skull. Adult male. Base of Mt. Duida, Venezuela. Altitude, 700 feet. March 25, 1913. Collector: Leo E. Miller. Original number 12.

Skin in good condition. Skull lacking last upper left premolar, last upper left molar, and first right lower premolar.

MEASUREMENTS: Skin: total length, 780 mm.; tail vertebrae, 440; hind foot, 95. Skull: greatest length, 68.3; zygomatic breadth, 45.5; length of maxillary tooth row, 17.6.

GENUS **PITHECIA** DESMAREST

Pithecia milleri J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 33, art. 43, p. 650, December 14, 1914.

33876. Skin and skull. Adult male. La Murelia, head of Rio Fragua, Caquetá District, Colombia. Altitude, 700 feet. July 8, 1912. Collector: Leo E. Miller. Original number 878.

Skin in fair condition, somewhat grease burnt about the hands and feet. Skull complete except for upper right incisors.

MEASUREMENTS: Skin (dry): total length, 880 mm.; tail vertebrae, 400; hind foot, 120. Skull: greatest length, 86.5; zygomatic breadth, 57; length of maxillary tooth row, 25.5.

Cacajao roosevelti J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 33, art. 43, p. 651, December 14, 1914.

= *Pithecia albinasa* Geoffroy and Deville. *Cacajao roosevelti* Allen is clearly a synonym of *Pithecia albinasa.*

36906. Skin and skull. Adult male. Baron Melgaço, head of Parana, Mato Grosso, Brazil. March 5 (not March 4 as in type description), 1914. Collector: Leo E. Miller. Roosevelt Expedition. Original number 324.

Skin in good condition. Skull complete except for last lower right molar.

MEASUREMENTS: Skin: total length, 850 mm.; tail vertebrae, 380; hind foot, 130. Skull: greatest length, 91.7; zygomatic breadth, 60.3; length of maxillary tooth row, 25; length of molariform tooth row, 19.

GENUS **ALOUATTA** LACÉPÈDE

Alouatta palliata matagalpae J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 24, art. 34, p. 670, October 13, 1908.

= *Alouatta palliata palliata* (Gray). According to Lawrence, Bull. Mus. Comp. Zool., vol. 75, p. 318, November, 1933.

28426. Skin and skull and leg bones. Adult male. Lavala, Nicaragua. October 13, 1907. Collector: William B. Richardson. Original number 128.

Skin in good condition. Skull lacking last upper molar on both sides, last lower right molar, and last three lower left molars.

MEASUREMENTS: Skin: total length, 1120 mm.; tail vertebrae, 620; hind foot, 130. Skull: total length, 107; zygomatic breadth, 76.5; alveoli of maxillary tooth row, 40.

Alouatta seniculus bogotensis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 33, art. 43, pp. 648–649, December 14, 1914.

= *Alouatta seniculus seniculus* Linnaeus. According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 98, p. 384, 1949.

36476. Skin and skull. Adult male. Subía, 25 miles west of Bogotá, Cundinamarca, Colombia. Altitude, 7000 feet. July 25, 1913. Collector: Manuel Gonzales. Original number 2.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 1100 mm.; tail vertebrae, 660; hind foot, 370. Skull: greatest length, 125; zygomatic breadth, 76.5; length of maxillary tooth row, 42; length of molariform tooth row, 34.3.

Alouatta seniculus caquetensis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 33, art. 43, p. 650, December 14, 1914.

= *Alouatta seniculus seniculus* Linnaeus. According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 98, p. 384, 1949.

33882. Skin and skull. Adult female. La Murelia, Caquetá, Colombia. Altitude, 600 feet. July 18, 1912. Collector: Leo E. Miller. Original number 915.

Skin in poor condition, grease burnt about arms, legs, and chest. Skull complete.

MEASUREMENTS: Skin: total length, 1100 mm. (110 mm. in error in type description); tail vertebrae, 590; hind foot, 135. Skull: greatest length, 111.2; zygomatic breadth, 71; length of maxillary tooth row, 38.

Alouatta seniculus caucensis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 20, art. 35, pp. 462–463, figs. 2, 4, November 28, 1904.

= *Alouatta seniculus seniculus* Linnaeus. According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 98, p. 384, 1949.

14162. Skin and skull. Adult male. Charingo, upper Cauca Valley, Colombia. Altitude, 3000 feet. May 5, 1898. Collector: J. H. Batty (Batty, Parish Expedition). Original number 543.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 1243 mm.; tail vertebrae, 640; hind foot, 135. Skull: greatest length, 121.5; zygomatic breadth, 79.5; length of maxillary tooth row, 42.5.

Alouatta seniculus rubicunda J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 20, art. 35, pp. 458–462, figs. 1, 3 (with captions "*rubigi-*

nosa," *lapsus calami* for *rubicunda*), November 28, 1904.
= *Alouatta seniculus seniculus* Linnaeus. According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 98, p. 384, 1949.

14655. Skin and skull. Adult male. Bonda, Santa Marta, Colombia. December 22, 1898. Collector: H. H. Smith. Jesup Santa Marta Expedition. Original number 177.

Skin in fair condition, grease burnt about hind limbs. Skull slightly damaged about right orbit.

MEASUREMENTS: Skin: total length, 1346 mm.; tail vertebrae, 749. Skull: greatest length, 122.5; zygomatic breadth, 84.2; length of maxillary tooth row, 43.5.

GENUS **CEBUS** ERXLEBEN

Cebus capucinus nigripectus Elliot
Bull. Amer. Mus. Nat. Hist., vol. 26, art. 15, pp. 229–230, April 17, 1909.

14180. Skin and skull. Adult female. Las Pavas, western slope of Cordillera Occidental, between Coli and Buenaventura, Department of Valle del Cauca, Colombia. Altitude, 4500 feet. Originally given as Las Pubas, Cauca Valley, Colombia. June 13, 1898. Collector: J. H. Batty (Batty, Parish Expedition). Original number 235.

Skin in fair condition. Skull with basal portion of cranium and part of palate removed.

MEASUREMENTS: Skin: total length, 835 mm.; tail vertebrae, 430; hind foot, 122. Skull: greatest length, 96; zygomatic breadth, 56; length of maxillary tooth row, 27.5.

Cebus apella brunneus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 33, art. 43, pp. 653–654, December 14, 1914.
= *Cebus nigrivittatus brunneus* Allen. According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 98, p. 349, 1949.

32052. Skin and skull. Adult male. Aroa (Pueblo Nuevo) Station on the Bolivar Railway, Yaracuy, northwestern Venezuela. Altitude, 730 feet. December 14, 1910. Collector: M. A. Carriker, Jr. Original number 8929.

Skin in good condition. Skull complete except for first premolar and last molar on lower right side.

MEASUREMENTS: Skin: total length, 860 mm.; tail vertebrae, 440; hind foot, 125. Skull: greatest length, 100.5; zygomatic breadth, 68; length of maxillary tooth row, 29.8.

Cebus malitiosus Elliot
Bull. Amer. Mus. Nat. Hist., vol. 26, art. 15, pp. 230–231, April 17, 1909.
= *Cebus albifrons malitiosus* Elliot. According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 98, p. 355, 1949.

14620. Skin and skull. Adult male. Bonda, northwest corner of base of Sierra Nevada de Santa Marta, Magdalena, Colombia. October 27, 1898. Collector: H. H. Smith. Jesup Santa Marta Expedition. Original number 138.

Skin in good condition. Skull complete except for last right upper molar and last two left upper molars.

MEASUREMENTS: Skin: total length, 2 feet, 11 inches; tail vertebrae, 17 1/2 inches; hind foot, 4 1/2 inches. Skull: greatest length, 102.6 mm.; zygomatic breadth, 69.8; length of maxillary tooth row, 28.3.

Cebus aequatorialis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 33, art. 43, pp. 654–656, December 14, 1914.
= *Cebus albifrons aequatorialis* Allen. According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 98, p. 378, 1949.

34273. Skin and skull. Adult female. Rio de Oro, Province of Manavi, western Ecuador. Altitude, near sea level. January 15, 1913. Collector: W. B. Richardson. Original number 118.

Skin in good condition. Skull with braincase crushed on right side, repaired, and lacking last right and left lower molars.

MEASUREMENTS: Skin: total length, 860 mm.; tail vertebrae, 430; hind foot, 14. Skull: greatest length, 90.5; length of maxillary tooth row, 25.9.

GENUS **SAIMIRI** VOIGT

Saimiri caquetensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 35, art. 11, p. 87, April 28, 1916.

33874. Skin and skull. Adult male. Florencia, Caquetá, Colombia. Altitude, 800 feet (not 1000 feet as in type description). July 6, 1912. Collector: Leo E. Miller. Original number 868.

Skin in good condition. Skull lacking sec-

ond upper right and first upper left premolars, first upper left molar, and 10 lower teeth.

MEASUREMENTS: Skin: total length, 760 mm.; tail vertebrae, 400; hind foot, 80. Skull: greatest length, 67.5; zygomatic breadth, 38.9; length of maxillary tooth row, 16.5.

GENUS **ATELES** GEOFFROY

Ateles longimembris J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 33, art. 43, pp. 651–652, December 14, 1914.

= *Ateles paniscus chamek* (Humboldt). According to Kellogg and Goldman, Proc. U. S. Natl. Mus., vol. 96, p. 17, 1944.

36909. Skin and skull. Adult female. Baron Melgaço, headwaters of Rio Gy-Paraná, Mato Grosso, Brazil. March 16, 1914. Collector: Leo E. Miller. Roosevelt Expedition. Original number 328.

Skin in fair condition. Skull complete but jaws malformed on right side.

MEASUREMENTS: Skin: total length, 1403 mm.; tail vertebrae, 915; hind foot, 200. Skull: greatest length, 122.3; zygomatic breadth, 62.2; length of maxillary tooth row, 33.

Ateles robustus J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 33, art. 43, pp. 652–653, December 14, 1914.

= *Ateles fuscipes robustus* Allen. According to Kellogg and Goldman, Proc. U. S. Natl. Mus., vol. 96, p. 29, 1944.

32354. Skin and skull. Adult male. Gallera, Department of Cauca, western Andes, Colombia. Altitude, 5000 feet. July 13, 1911. Collector: Leo E. Miller. Original number 268.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 1220 mm.; tail vertebrae, 630; hind foot, 160. Skull: greatest length, 116; zygomatic breadth, 73.5; length of maxillary tooth row, 32.5.

FAMILY **CALLITHRICIDAE** THOMAS

GENUS **MARIKINA** REICHENBACH

Seniocebus meticulosus Elliot

Bull. Amer. Mus. Nat. Hist., vol. 31, art. 2, p. 31, March 4, 1912.

= *Marikina oedipus* (Linnaeus). According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 98, p. 414, 1949.

32703. Skin and skull. Adult male. Rio San Jorge, Bolivar, Colombia. December 12, 1911. Collector: Mrs. E. L. Kerr. Original number 13.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 25 1/2 inches. Dry: total length, 600 mm.; tail vertebrae, 350; hind foot, 68.5. Skull: greatest length, 49.5; zygomatic breadth, 33.8; length of maxillary tooth row, 12.6.

Seniocebus pegasis Elliot

Bull. Amer. Mus. Nat. Hist., vol. 32, art. 12, pp. 252–253, July 14, 1913.

= *Oedipomidas leucopus* (Günther). According to Elliot, Bull. Amer. Mus. Nat. Hist., vol. 33, art. 42, p. 645, November 26, 1914.

= *Marikina leucopus* (Günther). According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 98, p. 419, 1949.

34563. Skin and skull. Adult female. Puerto Berrio, Rio Magdalena, Antioquia, Colombia. Altitude, 100 feet. January 29, 1913. Collector: L. A. Fuertes. Chapman-Cherrie Expedition. Original number 4.

Skin in good condition. Skull not located (not entered in catalogue).

MEASUREMENTS: Skin (field measurements): total length, 595 mm. (dry, 630); tail vertebrae, 357; hind foot, 65 (dry, 70). Skull: greatest length, 47.9; zygomatic breadth, 33.9; length of upper molar series, 9.5 (Elliot).

Oedipomidas salaquiensis Elliot

Bull. Amer. Mus. Nat. Hist., vol. 31, art. 15, p. 137, July 23, 1912.

= *Oedipomidas geoffroyi* (Pucheran). According to Elliot, A review of the primates, vol. 1, p. 214, 1913.

= *Marikina geoffroyi* (Pucheran). According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 98, p. 416, 1949.

33076. Skin and skull. Adult male. Rio Salaqui, Chocó, Colombia. 1912. Collector: Mrs. E. L. Kerr. Original number 38.

Skin in good condition. Skull with braincase broken, repaired.

MEASUREMENTS: Skin: total length, 600 mm.; tail vertebrae, 395; hind foot, 75. Skull: greatest length, 54.5; zygomatic breadth, 36.1; length of upper molar series, 10; length of maxillary tooth row, 13.

Leontocebus midas inustus Schwarz

Amer. Mus. Novitates, no. 1508, pp. 1–3, April 13, 1951.

79413. Skin and skull. Adult male. Rio Negro, Tabocal, Brazil. September 15, 1929. Collectors; Olalla brothers. Original number 1205–7.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 580 mm.; tail vertebrae, 350; hind foot, 65. Skull: greatest length, 50.8; zygomatic breadth, 35.4; length of maxillary tooth row, 12.1

GENUS **XENOTHRIX** WILLIAMS AND KOOPMAN

† **Xenothrix mcgregori** Williams and Koopman
Amer. Mus. Novitates, no. 1546, pp. 12–13, figs. 1–4, March 3, 1952.

148198. Partial mandible. Long Mile Cave, Trelawny Parish, Jamaica, British West Indies. January 17, 1920. Collector: H. E. Anthony.

Anterior and left side of mandible with first and second molars in place.

MEASUREMENTS: Skull: combined length of last two molars, 12.5 mm.; alveolar length of entire mandibular tooth row, 30.3.

FAMILY **CERCOPITHECIDAE** GRAY

GENUS **MACACA** LACÉPÈDE

Pithecus brachyurus Elliot
Ann. Mag. Nat. His., ser. 8, vol. 4, pp. 251–252, September, 1909. Name preoccupied by *Macacus* (*Maimon*) *brachyurus* H. Smith, 1842.

Pithecus brevicaudus Elliot
A review of the primates, vol. 2, p. 216, pl. 23, 1913 (new name for *P. brachyurus* Elliot).

= *Macaca mulatta mulatta* (Zimmermann). According to G. M. Allen, The mammals of China and Mongolia, Natural history of Central Asia, vol. 11, pt. 1, p. 285, September 2, 1938.

27577. Skin and skull. Adult male. Mt. Wuchi, Island of Hainan, China. October 10, 1905. Purchased from Alan Owston of Yokohama, taken by his agents. Original number 13.

Skin in good condition. Skull with zygomatic arch on right side broken.

MEASUREMENTS: Skin: total length, 730 mm.; tail vertebrae, 220; hind foot, 135. Skull: greatest length, 120.2; zygomatic breadth, 81.8; length of maxillary tooth row, 38.

GENUS **COLOBUS** ILLIGER

Colobus langi J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 47, art. 4, pp. 443–444, pls. 102–103, February 6, 1925.

= *Colobus badius langi* Allen. According to G. M. Allen, Bull. Mus. Comp. Zool., vol. 83, p. 171, February, 1939.

52290. Skin and skull. Old male, worn teeth. Risimu between Stanleyville and Bagwaboli, Belgian Congo. September 8, 1909. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 19.

Skin in fair condition, lacking fore and hind feet. Skull lacking right upper canine tooth.

MEASUREMENTS: Skin: total length, 1165 mm.; tail vertebrae, 665; hind foot, 170. Skull: greatest length, 108.9; zygomatic breadth, 81; length of maxillary tooth row, 35.

ORDER **EDENTATA** CUVIER

FAMILY **MYRMECOPHAGIDAE** BONAPARTE

GENUS **TAMANDUA** FRISCH

Tamandua tetradactyla chapadensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 33, p. 392, fig. 2, October 29, 1904.

369. Skull. Adult female. Paratype 1417, skin, semi-adult, sex? Chapada, Mato Grosso, Brazil. July, 1885. Collector: H. H. Smith. Original number 72.

Skull complete. Skin of paratype in good condition.

MEASUREMENTS: Skin of paratype (dry): total length, 715 mm.; tail vertebrae, 340; hind foot, 6.6. Skull of type: occipitonasal length, 125.9; greatest breadth, 44.

Tamandua tetradactyla chiriquensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 33, pp. 395–396, fig. 4, October 29, 1904.

18883. Skin and skull. Adult female. Boqueron, Chiriqui, Panama. October 16, 1901. Collector: J. H. Batty. Original number 666.

Skin in good condition. Skull lacking left zygomatic arch.

MEASUREMENTS: Skin: total length, 1165 mm.; tail vertebrae, 555; hind foot, 90. Skull: occipitonasal length, 132.3; greatest breadth, 45.

Tamandua tetradactyla punensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 35, art. 11, pp. 83–84, April 28, 1916.

36452. Skin and skull. Adult female. Puna

Island, Ecuador. April 7, 1913. Collector: W. B. Richardson. Original number 130.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 1300 mm.; tail vertebrae, 540; hind foot, 90. Skull: occipitonasal length, 115; greatest breadth, 40.5.

Tamandua tetradactyla instabilis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 33, pp. 392–394, fig. 1, October 29, 1904.

23420. Skin and skull. Adult female. Bonda, Colombia. April 7, 1899. Collector: H. H. Smith. Original number 363.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 3 feet, 6 1/2 inches; tail vertebrae, 1 foot, 9 inches. Skull: occipitonasal length, 114.5 mm.; greatest breadth, 38.5.

Tamandua tetradactyla tenuirostris J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 33, pp. 394–395, October 29, 1904.
= *Tamandua tetradactyla mexicana* (Saussure). According to Allen, Proc. Biol. Soc. Washington, vol. 19, p. 200, December 31, 1906.

17272. Skin and skull. Adult female. Pasa Nueva, State of Veracruz, Mexico. April 11, 1901. Collector: A. E. Colburn. Original number 112.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 1185 mm.; tail vertebrae, 600; hind foot, 95. Skull: occipitonasal length, 133.1; greatest breadth, 42.

FAMILY **BRADYPODIDAE** BONAPARTE

GENUS **CHOLOEPUS** ILLIGER

Choloepus andinus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 29, p. 472, figs. 6, 12, 18, September 25, 1913.

33052. Skin and skull. Adult female. Salento, West Quindio Andes, Cauca, Colombia. Altitude, 7000 feet. October 31, 1911. Collector: Leo E. Miller. Colombia Expedition. Original number 448.

Skin in good condition. Skull lacking last right upper molar and last left lower molar.

MEASUREMENTS: Skin: total length, 640 mm.; hind foot, 145. Skull: greatest length, 116; zygomatic breadth, 66.5; length of maxillary tooth row, 41.5; length of upper molariform tooth row, 25.

Choloepus agustinus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 29, p. 470, figs. 4, 10, 16, September 25, 1913.

33909. Skin and skull. Adult female. Near San Agustin, Huila, Colombia. Altitude, 5000 feet. April 19, 1912. Collector: Leo E. Miller. Colombia Expedition. Original number 734.

Skin in good condition. Skull lacking first and last tooth on right side of lower jaw.

MEASUREMENTS: Skin: total length, 600 mm.; hind foot, 130. Skull: greatest length, 98.2; zygomatic breadth, 62; length of maxillary tooth row, 34.5; length of upper molariform tooth row, 21.

Choloepus capitalis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 29, pp. 472–476, figs. 5, 11, 17, September 25, 1913.

34152. Skin and skull. Adult female. Barbacoas, southwest Colombia. October 5, 1912. Collector: W. B. Richardson. Original number 72.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 690 mm.; hind foot, 120. Skull: greatest length, 101.5; zygomatic breadth, 58.8; length of maxillary tooth row, 37; length of upper maxillary tooth row, 20.

Choloepus florenciae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 29, pp. 469–470, figs. 3, 9, 15, September 25, 1913.

33910. Skin and skull. Adult female. Florencia, Rio Bodoquera, Caquetá, Colombia. Altitude, 1000 feet. June 23, 1912. Collector: Leo E. Miller. Colombia Expedition. Original number 824.

Skin in good condition. Skull lacking all teeth in upper jaw except first and second on right side; and in the lower jaw, lacking the third tooth on both sides and the first on the right side.

MEASUREMENTS: Skin: total length, 800 mm.; hind foot, 130. Skull: greatest length, 118.8; zygomatic breadth, 65; length of alveoli of maxillary tooth row, 41.5; length of upper molariform tooth row, 21.

ORDER **PHOLIDOTA** WEBER

FAMILY **MANIDAE** GRAY

GENUS **MANIS** LINNAEUS

Manis pusilla J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 22, art. 28,

pp. 465–467, pl. 59, figs. 1–3, December 17, 1906.
= *Manis pentadactyla pusilla* Allen. According to G. M. Allen, Amer. Mus. Novitates, no. 429, p. 7, September 8, 1930.

26635. Skin and skull. Adult. Hainan, China. September, 1902. Purchased from Alan Owston of Yokohama, taken by his agents. Original number 4.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 670 mm.; tail vertebrae, 250; hind foot (s.u.), 56. Skull: greatest length, 82; greatest breadth, 37.

ORDER **LAGOMORPHA** BRANDT

FAMILY **OCHOTONIDAE** THOMAS

GENUS **OCHOTONA** LINK

Ochotona cinnamomea J. A. Allen
Bull. Mus. Brooklyn Inst. Arts and Sci., vol. 1, no. 5, pp. 121–122, March 31, 1905.
= *Ochotona princeps cinnamomea* Allen. According to Hall, Proc. Biol. Soc. Washington, vol. 47, p. 103, June 13, 1934.

28733, formerly number 434, Mus. Brooklyn Inst. Arts and Sci. Skin and skull. Adult. "Briggs" [=Britts] Meadows, Beaver Range, Beaver County, Utah. Altitude, 11,000 feet. August 20, 1904. Collector: George P. Engelhardt.

Skin in good condition. Skull lacking left bullae and adjoining part of braincase.

MEASUREMENTS: Skin (dry): head and body, 150 mm.; hind foot, 26.5. Skull: greatest length, 39.5; zygomatic breadth, 20; length of maxillary tooth row, 8.0.

Ochotona figginsi J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 31, art. 9, pp. 103–104, May 28, 1912.
= *Ochotona princeps figginsi* Allen. According to A. H. Howell, North Amer. Fauna, no. 47, p. 21, August 21, 1924.

32721. Skin and skull. Adult female. Pagoda Peak, Rio Blanco County, Colorado. October 30, 1910. Collector: J. D. Figgins. Original number 6.

Skin in good condition. Skull lacking occipital and basicranial regions.

MEASUREMENTS: Skin: head and body, 7 5/8 inches; hind foot, 1 5/32 inches. Skull: zygomatic breadth, 20.7; length of maxillary tooth row, 8.5.

Ochotona (Pika) coreanus J. A. Allen and Andrews
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 24, pp. 429–430, September 2, 1913.
= *Ochotona hyperborea coreana* Allen and Andrews. According to Tate, Mammals of eastern Asia, p. 209, 1947.

34050. Skin and skull. Adult female. Pochong, Korea. Altitude, about 3000 feet. June 2, 1912. Collector: R. C. Andrews. Original number 151.

Skin in fair condition, epidermis slipped about sides of lower abdomen. Skull complete.

MEASUREMENTS: Skin: head and body, 204 mm.; hind foot, 30. Skull: greatest length, 42.7; zygomatic breadth, 22; length of maxillary tooth row, 8.3.

Ochotona kolymensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 19, art. 4, pp. 154–155, March 31, 1903.
= *Ochotona hyperborea kolymensis* Allen. According to Tate, Mammals of eastern Asia, p. 209, 1947.
= *Ochotona hyperborea hyperborea* Pallas. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 454, November 19, 1951.

19535. Skin and skull. Adult male. Verkhne Kolimsk, Kolyma River, Yakutsk, Siberia. December, 1901. Collector: Waldemar Jochelson. Jesup North Pacific Expedition.

Skin and trunk in alcohol. Skull removed, complete.

MEASUREMENTS: Skin: head and body, 153 mm.; hind foot, 24. Skull: greatest length, 37.7; zygomatic breadth, 20; length of maxillary tooth row, 7.2.

Ochotona osgoodi Anthony
Publ. Field Mus. Nat. Hist., zool. ser., vol. 27, pp. 113–117, December 8, 1941.
= *Ochotona* (?) *pusilla osgoodi* Anthony. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 449, November 19, 1951.

115464. Skin and skull. Adult male. Nyetmew River, northeastern Burma. Altitude, 8600 feet. January 28, 1939. Collector: H. E. Anthony. Vernay-Cutting Burma Expedition. Original number 3940.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 169 mm.; tail vertebrae, 14; hind foot, 33. Skull: greatest length, 39.4; zygomatic breadth,

19.3; alveolar length of maxillary tooth row, 7.3.

FAMILY **LEPORIDAE** GRAY

GENUS **CAPROLAGUS** BLYTH

Caprolagus sinensis flaviventris G. M. Allen
Amer. Mus. Novitates, no. 284, p. 5, September 13, 1927.

84500. Skin and skull. Subadult male. Chunganhsien, Fukien, China. August 1, 1926. Collector: Clifford H. Pope. Third Asiatic Expedition. Original number 660.

Skin in fair condition, hind leg and head cemented. Skull complete.

MEASUREMENTS: Skin: total length, 340 mm.; tail vertebrae, 55; hind foot, 88; ear, 62. Skull: greatest length, 76; zygomatic breadth, 37.2; length of maxillary tooth row, 14.5.

GENUS **LEPUS** LINNAEUS

Lepus gichiganus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 19, art. 4, pp. 155–159, March 31, 1903.
= *Lepus timidus gichiganus* Allen. According to Ognev, Mammals of north eastern Siberia, Vladivostok, p. 74, 1926 (in Russian).

18286. Skin and skull. Adult male. Gichiga, west coast of Okhotsk Sea, northeastern Siberia. January 11, 1901. Collector: N. G. Buxton. Jesup North Pacific Expedition. Original number 365.

Skin in good condition. Skull complete except for broken supraorbital process on right side.

MEASUREMENTS: Skin: total length, 584 mm.; tail vertebrae, 75; hind foot, 173. Skull: greatest length, 95; zygomatic breadth, 49.5; length of maxillary tooth row, 17.5.

Lepus timidus mordeni Goodwin
Amer. Mus. Novitates, no. 681, pp. 15–16, December 30, 1933.

85408. Skin and skull. Adult male. Monoma River, 80 miles east of Troitshov, Maritime Province, eastern Siberia. January 13, 1930. Collector: G. G. Goodwin. Morden Graves North Asiatic Expedition. Original number 141.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 570 mm.; tail vertebrae, 40; hind foot, 180. Skull: greatest length, 92.5; zygomatic breadth, 46.8; length of maxillary tooth row, 19.5.

Lepus europaeus iranensis Goodwin
Amer. Mus. Novitates, no. 1050, pp. 4–5, December 1, 1939.

88904. Skin and skull. Adult male. Vicinity of Teheran, Iran. Altitude, about 3500 feet. December 6, 1938. Collector: G. G. Goodwin. Legendre Iran Expedition. Original number 3890.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 600 mm.; tail vertebrae, 59; hind foot, 150. Skull: greatest length, 96.3; zygomatic breadth, 46.2; length of maxillary tooth row, 17.

Lepus swinhoei brevinasus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 26, art. 29, p. 427, October 21, 1909. Suppressed by Allen in favor of *Lepus capensis filchneri* Matschie.

27528. Skin and skull. Adult female. Tai-pa-shiang, Shensi, China. November 5, 1905. Purchased from Alan Owston of Yokohama, taken by his agents. Original number 1.

Skin in poor condition. Skull lacking occipital region.

MEASUREMENTS: Skin: total length, 22 inches; hind foot (dry), 116.5 mm. Skull: zygomatic breadth, 41; length of maxillary tooth row, 15.

Lepus comus G. M. Allen
Amer. Mus. Novitates, no. 284, p. 9, September 13, 1927.
= *Lepus oiostolus comus* Allen. According to Allen, The mammals of China and Mongolia, Natural history of Central Asia, vol. 11, pt. 1, p. 575, September 2, 1938.

43174. Skin and skull. Adult female, containing four embryos. Tengyueh, Yunnan, China. Altitude, 5500 feet. April 19, 1917. Collectors: R. C. Andrews and E. Heller. Asiatic Zoological Expedition. Original number 1934.

Skin in good condition. Skull complete except for last right upper molar.

MEASUREMENTS: Skin: total length, 480 mm.; tail vertebrae, 98; hind foot, 130; ear, 97. Skull: greatest length, 94.2; zygomatic breadth, 42; length of maxillary tooth row, 17.

Lepus bishopi J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 12, art. 2, pp. 11–12, March 4, 1899.
= *Lepus americanus bishopi* Allen. According to

Nelson, North Amer. Fauna, no. 29, p. 97, August 31, 1909.

10796/9094. Skin and skull. Adult male. Mill Lake, Turtle Mountains, North Dakota. July 12, 1895. Collector: L. B. Bishop.

Skin in fair condition. Skull complete except for broken left zygomatic arch.

MEASUREMENTS: Skin (dry): total length, 350 mm.; tail vertebrae, 43; hind foot, 112. Skull: greatest length, 75.5; zygomatic breadth, 40; length of maxillary tooth row, 15.5.

Lepus americanus phaeonotus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 12, art. 2, p. 11, March 4, 1899.

4491/3505. Skin and skull. Adult male. Hallock, Kittson County, Minnesota. November 17, 1891. Collector: E. A. Mearns. Original number 1384.

Skin in poor condition, lacking left hind leg. Skull lacking both last maxillary molars and with left bullae broken.

MEASUREMENTS: Skin: total length, ?488 mm.; tail vertebrae, ?56; ear, ?88; hind foot (dry), 119. Skull: greatest length, 70.5; zygomatic breadth, 37.5; length of maxillary tooth row, 13.6.

Lepus alleni Mearns
Bull. Amer. Mus. Nat. Hist., vol. 2, art. 20, pp. 294–297, February 21, 1890.

2412/1869. Skin and skull. Adult male. Rillito Station on the Southern Pacific Railroad, Pima County, Arizona. May 8, 1885. Collector: E. A. Mearns. Original number 191.

Skin in poor condition. Skull complete except for left third, fifth, and sixth upper molariform teeth.

MEASUREMENTS: Skin: total length, 643 mm.; tail vertebrae, 69; ear from crown, 195; hind foot, 138. Skull: greatest length, 113.8; greatest breadth, 48.8; length of maxillary tooth row, 18.5.

Lepus (Microtologus[1]) gaillardi battyi J. A. Allen.
Bull. Amer. Mus. Nat. Hist., vol. 19, art. 24, p. 607, November 12, 1903.

21257. Skin and skull. Adult male. Rancho Santuario, northwestern Durango, Mexico. March 5, 1903. Collector: J. H. Batty. Original number 304.

Skin in fair condition. Skull grease burnt and lacking supraorbital process on right side, posterior portion of mandible, and last upper left molar.

MEASUREMENTS: Skin: total length, 511 mm.; tail vertebrae, 60; hind foot (s.u.), 120.6; ear from notch, 127. Skull: greatest length, 94.5; zygomatic breadth, 44; length of maxillary tooth row, 17.5.

Lepus texianus deserticola Mearns
Proc. U. S. Natl. Mus., vol. 18, pp. 564–565, June 24, 1896.
= *Lepus californicus deserticola* Mearns. According to Nelson, North Amer. Fauna, no. 29, p. 137, August 31, 1909.

8308/6642. Skin and skull. Adult female. Western edge of Colorado Desert at eastern base of Coast Range Mountains, near Mexican boundary, San Diego County, California. May 7, 1894. Collector: Frank Holzner. Original number, 1205.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 560 mm.; tail vertebrae, 104; hind foot, 126; ear, 171. Skull: greatest length, 90; zygomatic breadth, 42; length of maxillary tooth row, 16.

Lepus texianus eremicus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 6, art. 15, pp. 347–348, December 7, 1894.
= *Lepus californicus eremicus* Allen. According to Nelson, North Amer. Fauna, no. 29, p. 140, August 31, 1909.

9034/7327. Skin and skull. Adult female. Fairbank, Cochise County, Arizona. March 5, 1894. Collectors: W. W. Price and B. C. Condit. Price Collection. Original number 632.

Skin in poor condition. Skull not located.

MEASUREMENTS: Skin: total length, 565 mm.; tail vertebrae, 74; hind foot, 123; ear from crown, 128.

Lepus melanotis Mearns
Bull. Amer. Mus. Nat. Hist., vol. 2, no. 4, art. 20, pp. 297–301, February 21, 1890.
= *Lepus californicus melanotis* Mearns. According to Nelson, North Amer. Fauna, no. 29, p. 146, August 31, 1909.

24422/1554. Skin and skull. Adult male. From the border of Indian Territory (now

[1] *Sic*, typographical error in original description; equals *Macrotologus*.

Oklahoma) near Independence, Montgomery County, Kansas. January 17, 1890 (not January 27, 1890, of type description). Purchased in New York market by E. A. Mearns. Original number 821.

Skin in fair condition. Skull lacking zygoma on right side, tip of premaxillae, and upper incisors.

MEASUREMENTS: Skin: total length, 590 mm.; tail vertebrae, 77; hind foot, 130; ear from crown, 142. Skull: paratype number 1553, adult male: greatest length, 95.5; greatest breadth, 42.7; length of maxillary tooth row (type), 16.5.

Lepus (Macrotolagus) texianus micropus J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 19, art. 24, pp. 605–606, November 12, 1903.

= *Lepus californicus texianus* Waterhouse. According to Nelson, North Amer. Fauna, no. 29, p. 142, August 31, 1909.

21251. Skin and skull. Adult male. Rio del Bocas, northwestern Durango, Mexico. Altitude, 6800 feet. February 12, 1903. Collector: J. H. Batty. Original number 205.

Skin in fair condition. Skull lacking right bulla, last left lower molar, and posterior part of both sides of mandible.

MEASUREMENTS: Skin: total length, 535 mm.; tail vertebrae, 76; hind foot, 114; ear from crown, 175. Skull: greatest length, 94.5; zygomatic breadth, 42.8; length of maxillary tooth row, 15.5.

GENUS SYLVILAGUS GRAY

Lepus sylvaticus floridanus J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 3, art. 8, p. 160, October, 1890.

= *Sylvilagus* [*floridanus*] *floridanus* (Allen). According to Nelson, North Amer. Fauna, no. 29, p. 164, August 31, 1909.

1890/1155. Skin and skull. Adult female. Near Micco, San Sebastian River, Brevard County, Florida. March 18, 1889. Collector: F. M. Chapman. Original number 222.

Skin in fair condition. Skull lacking right zygomatic arch and left side of mandible.

MEASUREMENTS: Skin: total length, 460 mm.; tail vertebrae (dry), 30; hind foot (dry), 84. Skull: greatest length, 72; length of maxillary tooth row, 14.5.

Lepus sylvaticus mearnsii J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 6, art. 6, p. 171, May 31, 1894.

= *Sylvilagus floridanus mearnsi* (Allen). According to Lyon, Smithsonian Misc Coll., vol. 45, p. 336, June 15, 1904.

4483/3498. Skin and skull. Adult male. Fort Snelling, Minnesota. March 29, 1891. Collector: E. A. Mearns. Original number 1204. Skin and skull not located. Paratype, 4475/3489. Skin and skull. Adult female.

MEASUREMENTS: Skin: total length, 470 mm.; tail vertebrae, 60; hind foot, 100. Skull: greatest length, 75; zygomatic breadth, 37; length of maxillary tooth row, 15.5.

Lepus floridanus chapmani J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 12, art. 2, pp. 12–13, March 4, 1899.

= *Sylvilagus floridanus chapmani* (Allen). According to Nelson, North Amer. Fauna, no. 29, p. 176, August 31, 1909.

3909/2983. Skin and skull. Adult male. Corpus Christi, Texas. April 10, 1891. Collector: Frank M. Chapman. Original number 336.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 405 mm.; tail vertebrae, 40; hind foot, 81. Skull: greatest length, 69.5; zygomatic breadth, 32.3; length of maxillary tooth row, 13.5.

Lepus (Sylvilagus) durangae J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 19, art. 24, p. 609, November 12, 1903.

= *Sylvilagus floridanus holzneri* (Mearns). According to Nelson, North Amer. Fauna, no. 29, p. 178, August 31, 1909.

21377. Skin and skull. Adult female. Rancho Bailon, northwestern Durango, Mexico. Altitude, 7800 feet. May 12, 1903. Collector: J. H. Batty. Original number 569.

Skin in fair condition. Skull complete, left mandible broken but repaired.

MEASUREMENTS: Skin: total length, 456.8 mm.; tail vertebrae, 50.8; hind foot, 95; ear, 76. Skull: greatest length, 77; zygomatic breadth, 36; length of maxillary tooth row, 14.5.

Lepus (Sylvilagus) russatus J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 20, art. 4, pp. 31–34, figs. 1, 4, 7, February 29, 1904.

= *Sylvilagus floridanus russatus* (Allen). According to Nelson, North Amer. Fauna, no. 29, p. 186, August 31, 1909.

17203. Skin and skull. Adult male. Pasa Nueva, southern Veracruz, Mexico. April 10, 1901. Collector: A. E. Colburn. Original number 106.

Skin in fair condition. Skull lacking last two left upper molars.

MEASUREMENTS: Skin: total length, 450 mm.; tail vertebrae, 42; hind foot, 80. Skull: greatest length, 78.5; zygomatic breadth, 35.2; length of maxillary tooth row, 13.5.

Lepus sylvaticus aztecus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 3, art. 11, p. 188, December 10, 1890.
=*Sylvilagus floridanus aztecus* (Allen). According to Nelson, North Amer. Fauna, no. 29, p. 187, August 31, 1909.

3116/2438. Skin and skull. Adult male. Tehuantepec City, Oaxaca, Mexico. February 19, 1890. Collector: Audley C. Buller. Original number 133.

Skin in good condition. Skull lacking last lower right molar.

MEASUREMENTS: Skin (dry): total length, 337 mm.; tail vertebrae, 37; hind foot, 82. Skull: greatest length, 72.7; zygomatic breadth, 35; length of maxillary tooth row, 13.5.

Lepus (Sylvilagus) superciliaris J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 12, art. 16, p. 196, December 20, 1899.
=*Sylvilagus floridanus superciliaris* (Allen). According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 100, p. 339, 1950.

15428. Skin and skull. Adult male. Bonda, near Santa Marta, Magdalena, Colombia. July 4, 1899. Collector: H. H. Smith. Original number 785.

Skin in good condition. Skull lacking right bulla and last upper left molar.

MEASUREMENTS: Skin: total length, 1 foot, 5 3/4 inches; tail vertebrae, 1 inch; hind foot (dry), 87 mm. Skull: greatest length, 78.2 mm.; zygomatic breadth 35.2; length of maxillary tooth row, 14.5.

Sylvilagus boylei J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 35, art. 11, p. 84, April 28, 1916.
=*Sylvilagus floridanus superciliaris* (Allen). According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 100, p. 340, 1950.

37794. Skin and skull. Adult female. La Playa, near Barranquilla, Colombia. March 25, 1915. Altitude, 150 feet. Collectors: L. E. Miller and H. S. Boyle. Original number 1701.

Skin in good condition. Skull lacking last molars on both sides of upper jaw and tip of nasals.

MEASUREMENTS: Skin: total length, 440 mm.; tail vertebrae, 35; hind foot, 90. Skull: greatest length, 78; zygomatic breadth, 35.5; length of maxillary tooth row, 14.5.

Lepus sylvaticus grangeri J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 7, art. 7, pp. 264–265, August 21, 1895.
=*Sylvilagus nuttalli grangeri* (Allen). According to Nelson, North Amer. Fauna, no. 29, p. 204, August 31, 1909.

9094/7402. Skin and skull. Adult female. Hill City, Custer County, South Dakota. August 11, 1894. Collector: W. W. Granger. Original number 292.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 13 8/16 inches; ear, 2 3/16; hind foot, 3 8/16. Skull: greatest length, 63.2 mm.; zygomatic breadth, 33; length of maxillary tooth row, 11.

Lepus sylvaticus pinetis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 6, art. 15, pp. 348–349, December 7, 1894.
=*Sylvilagus nuttalli pinetis* (Allen). According to Nelson, North Amer. Fauna, no. 29, p. 207, August 31, 1909.

9041/7336. Skin and skull. Immature male. White Mountains, south of Mt. Ora, Arizona. August 14, 1894. Collector: B. C. Condit. Price Collection. Original number 2593.

Skin in good condition. Skull lacking third upper left molar.

MEASUREMENTS: Skin: total length, 335 mm.; tail vertebrae, 40; hind foot, 100; ear, 69. Skull: greatest length, 65; zygomatic breadth, 33.7; length of maxillary tooth row, 11.6.

Lepus arizonae confinis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 10, art. 8, p. 146, April 12, 1898.
=*Sylvilagus auduboni confinis* (Allen). According to Nelson, North Amer. Fauna, no. 29, p. 220, August 31, 1909.

13562/11911. Skin and skull. Adult female. Playa Maria Bay, Lower California,

Mexico. July 8, 1897. Collector: A. W. Anthony. Original number 83.

Skin in good condition. Skull lacking left bulla.

MEASUREMENTS: Skin: total length, 310 mm.; tail vertebrae, 25; hind foot (dry), 66. Skull: total length, 61.5; zygomatic breadth, 29.5; length of maxillary tooth row, 11.7.

Lepus (Sylvilagus) parvulus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 4, pp. 34–36, figs. 3, 6, 9, February 29, 1904.
= *Sylvilagus auduboni parvulus* (Allen). According to Nelson, North Amer. Fauna, no. 29, p. 236, August 31, 1909.

12578/10888. Apam, Hidalgo, Mexico. Altitude, 8000 feet. March 19, 1897. Collector: F. M. Chapman.

Skin in poor condition. Skull complete.

MEASUREMENTS: Skin: total length, 390 mm.; hind foot, 75; ear, 65. Skull: greatest length, 65; zygomatic breadth, 33; length of maxillary tooth row, 12.

Lepus insolitus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 3, art. 11, pp. 189–190, December 10, 1890.
= *Sylvilagus cunicularius insolitus* (Allen). According to Nelson, North Amer. Fauna, no. 29, p. 243, August 31, 1909.

2655/2133. Skin and skull. Adult male. Plains of Colima, State of Colima, Mexico. January 15, 1890. Collector: A. C. Buller. Original number 124.

Skin in good condition. Skull lacking last upper right molar and third left lower molar.

MEASUREMENTS: Skin: total length, 440 mm.; tail vertebrae, 35; hind foot (dry), 92. Skull: greatest length, 82.8; zygomatic breadth, 39; length of maxillary tooth row, 15.5.

Lepus cinerascens J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 3, art. 8, p. 159, October, 1890.
= *Sylvilagus bachmani cinerascens* (Allen). According to Nelson, North Amer. Fauna, no. 29, p. 252, August 31, 1909.

2883/2302. Skin and skull. Adult female, contained four foetuses. San Fernando, Los Angeles County, California. March 22, 1890. Collector: E. C. Thurber.

Skin in good condition. Skull lacking last two upper right molars.

MEASUREMENTS: Skin: total length, 318 mm.; tail vertebrae, 24; hind foot (dry), 62. Skull: greatest length, 62.2; zygomatic breadth, 29.2; length of maxillary tooth row, 11.5.

Lepus cerrosensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 10, art. 8, p. 145, April 12, 1898.
= *Sylvilagus bachmani cerrosensis* (Allen). According to Nelson, North Amer. Fauna, no. 29, p. 255, August 31, 1909.

13561/11910. Skin and skull. Adult female. Cerros Island, Lower California, Mexico. April 17, 1897. Collector: A. W. Anthony. Original number 54.

Skin in good condition. Skull badly broken, partly repaired.

MEASUREMENTS: Skin: total length, 310 mm.; tail vertebrae, 25; hind foot (dry), 67.8. Skull: greatest length, 55.5; zygomatic breadth, 28.8; length of maxillary tooth row, 10.5.

Lepus gabbi tumacus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 24, art. 34, p. 649, October 13, 1908.
= *Sylvilagus gabbi* (Allen). According to Nelson, North Amer. Fauna, no. 29, p. 259, August 31, 1909.
= *Sylvilagus brasiliensis gabbi* (Allen). According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 100, p. 351, 1950.

28409. Skin and skull. Adult male. Tuma, Nicaragua. December 2, 1907. Collector: W. B. Richardson. Original number 157.

Skin in poor condition. Skull lacking last two molars on both sides of upper jaw.

MEASUREMENTS: Skin: total length, 236 mm.; hind foot, 70. Skull: greatest length, 68.5; zygomatic breadth, 32; length of maxillary tooth row, 13.

Lepus aquaticus attwateri J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 7, art. 10, pp. 327–328, November 8, 1895.
= *Sylvilagus aquaticus aquaticus* (Bachman). According to Nelson, North Amer. Fauna, no. 29, p. 271, August 31, 1909.

7744/6131. Skin and skull. Adult female, three embryos. Medina River, 18 miles south of San Antonio, Bexar County, Texas. May 8, 1894. Collector: H. P. Attwater.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 20 1/2

inches; tail vertebrae, 3 1/4 inches; hind foot, 4 1/8 inches; weight, 5 1/4 pounds. Skull: greatest length, 89.2; zygomatic breadth, 41.7; length of maxillary tooth row, 16.2.

Sylvilagus gabbi consobrinus Anthony
Bull. Amer. Mus. Nat. Hist., vol. 37, art. 13, pp. 335–336, May 28, 1917.
= *Sylvilagus brasiliensis consobrinus* Anthony. According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 100, p. 353, 1950.

36793. Skin and skull. Adult female. Old Panama (near City of Panama), Panama. February 21, 1914. Collector: H. E. Anthony. Shiras Expedition. Original number 19.

Skin in good condition. Skull lacking first and second left upper molars.

MEASUREMENTS: Skin: total length, 373 mm.; tail vertebrae, 28; hind foot, 79. Skull: greatest length, 68.8; zygomatic breadth, 33.9; length of maxillary tooth row, 13.

Sylvilagus (Tapeti) fulvescens J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 31, art. 7, p. 75, April 19, 1912.
= *Sylvilagus brasiliensis fulvescens* Allen. According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 100, p. 355, 1950.

32360. Skin and skull. Adult female. Belen, a collecting station in the Cordillera Occidental, west of Papayán, Cauca, Colombia. Altitude, probably 10,000 feet, though labeled 6000 feet. July 28, 1911. Collector: L. E. Miller. Original number 308.

Skin in good condition. Skull lacking next to last molar on upper right side.

MEASUREMENTS: Skin: total length, 328 mm.; tail vertebrae, 20; hind foot, 81. Skull: greatest length, 63; zygomatic breadth, 31.2; length of maxillary tooth row, 12.5.

Sylvilagus (Tapeti) salentus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 29, pp. 476–477, September 25, 1913.
= *Sylvilagus brasiliensis salentus* Allen. According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 100, p. 355, 1950.

33050. Skin and skull. Adult male. Salento, at the head of Rio Quindio, west of Mt. Tolima, west Quindio Andes, Coldas, Colombia. Altitude, 1895 meters. October 2, 1911. Collector: L. E. Miller. Original number 386.

Skin in good condition. Skull fragmentary.

MEASUREMENTS: Skin: total length, 340 mm.; tail vertebrae, 12; hind foot, 83. Skull: length of maxillary tooth row, 13.

Sylvilagus kelloggi Anthony
Amer. Mus. Novitates, no. 55, pp. 9–12, fig. 3C, E (skull), January 31, 1923.
= *Sylvilagus brasiliensis kelloggi* Anthony. According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 100, p. 361, 1950.

60515. Skin and skull. Adult male. Guachanamá, headwaters of Rio Chira, Cordillera Occidental, Loja Province, Ecuador. Altitude, 9050 feet. October 8, 1920. Collector: H. E. Anthony. Original number 2217.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 355 mm.; tail vertebrae, 25; hind foot, 82. Skull: greatest length, 66.5; zygomatic breadth, 33.5; length of maxillary tooth row, 12.5.

Sylvilagus chillae Anthony
Amer. Mus. Novitates, no. 55, pp. 12–13, January 31, 1923.
= *Sylvilagus brasiliensis chillae* Anthony. According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 100, p. 362, 1950.

60511. Skin and skull. Adult female. Trail from Salvias to Zaraguro, southwestern flank of the Cordillera de Chilla, El Oro, Ecuador. Altitude, 6600 feet. August 29, 1920. Collector: H. E. Anthony. Original number 1971.

Skin in good condition. Skull fragmentary, partly repaired.

MEASUREMENTS: Skin: total length, 382 mm.; hind foot, 81. Skull: greatest length, 69; zygomatic breadth, 34; length of maxillary tooth row, 14.

Sylvilagus daulensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 33, art. 14, p. 199, February 28, 1914.
= *Sylvilagus brasiliensis daulensis* Allen. According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 100, p. 362, 1950.

34671. Skin and skull. Adult female. Daule, on the Rio Daule, coastal plain of western Ecuador, north of Guayaquil, Guayas, Ecuador. April 21, 1913. Collector: W. B. Richardson. Original number 135.

Skin in poor condition. Skull complete.

MEASUREMENTS: Skin: total length, 350 mm.; hind foot, 80. Skull: greatest length,

69; zygomatic breadth, 31.4; length of maxillary tooth row, 13.2.

ORDER **RODENTIA** BOWDICH

FAMILY **SCIURIDAE** GRAY

GENUS **SCIURUS** LINNAEUS

SUBGENUS **NEOSCIURUS** TROUESSART

Sciurus cervicalis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 3, no. 1, art. 11, pp. 183–185, December 10, 1890.
=*Sciurus poliopus cervicalis* Allen. According to Nelson, Proc. Washington Acad. Sci., vol. 1, p. 51, May 9, 1899.

1991/1260. Skin and skull. Adult male. Hacienda San Marcos, Tonila, Jalisco, Mexico. May 14, 1889. Collector: A. Buller. Original number 19.

Skin in poor condition. Skull lacking last upper right molar and both first upper premolars.

MEASUREMENTS: Skin: total length, 600.4 mm.; tail vertebrae, 330; hind foot (dry), 60. Skull: greatest length, 62; zygomatic breadth, 35.5; length of maxillary tooth row, 11.8.

Sciurus poliopus tepicanus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 22, art. 12, pp. 243–244, July 25, 1906.

25258. Skin and skull. Adult female. Rancho Palo Amarillo, near Amatlan de Cañas, Nayarit, Mexico. Altitude, 5000 feet. January 1, 1905. Collector: J. H. Batty. Original number 1432.

Skin in fair condition. Skull complete, teeth showing considerable wear.

MEASUREMENTS: Skin: total length, 508 mm.; tail vertebrae, 254; hind foot, 67. Skull: greatest length, 58.8; zygomatic breadth, 34.5; length of maxillary tooth row, 11.4.

Sciurus yucatanensis phaeopus Goodwin
Amer. Mus. Novitates, no. 574, pp. 1–2, October 22, 1932.

73106. Skin and skull. Adult male. Secanquim District of Alta Verapaz, Guatemala. Altitude, 1600 feet. January 31, 1926. Collector: A. W. Anthony. Original number 227.

Skin in first-class condition. Skull complete.

MEASUREMENTS: Skin: total length, 485 mm.; tail vertebrae, 240; hind foot, 59. Skull: greatest length, 54.8; zygomatic breadth, 31.8; length of maxillary tooth row, 10.8.

Sciurus aberti barberi J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 17, pp. 207–208, May 28, 1904.

17503. Skin and skull. Adult female. Colonia Garcia, Chihuahua, Mexico. October 14, 1901. Collector: C. M. Barber. Original number 15.

Skin in first-class condition. Skull lacking occipital region of braincase and upper incisors.

MEASUREMENTS: Skin: total length, 500 mm.; tail vertebrae, 240; hind foot, 70. Skull: zygomatic breadth, 34.3; length of maxillary tooth row, 11.

Sciurus aberti phaeurus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 17, pp. 205–206, May 28, 1904.

23821. Skin and skull. Adult female. La Cienega, northwestern Durango, Mexico. Altitude, 7500 feet. November 4, 1903. Collector: J. H. Batty. Original number 924.

Skin in poor condition, most of the hair on the middle and lower back lost. Skull lacking posterior half of left zygomatic arch, teeth showing considerable wear.

MEASUREMENTS: Skin: total length, 493 mm.; tail vertebrae, 222; hind foot, 69. Skull: greatest length, 59; length of maxillary tooth row, 11.2.

SUBGENUS **BAIOSCIURUS** NELSON

Sciurus deppei matagalpae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 24, art. 34, p. 660, October 13, 1908.

28440. Skin and skull. Adult female. San Rafael del Norte, Nicaragua. April 10, 1907. Collector: W. B. Richardson. Morris K. Jesup Expedition. Original number 32.

Skin in good condition. Skull lacking posterior wall of braincase.

MEASUREMENTS: Skin (dry): total length, 407 mm.; tail vertebrae, 182; hind foot, 53. Skull: zygomatic breadth, 29.2; length of maxillary tooth row, 8.

SUBGENUS **GUERLINGUETUS** GRAY

Sciurus alstoni J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 2, no. 3, pp.

167–170, October 2, 1889. (Name preoccupied by *Sciurus alstoni* Anderson, 1878.)

[Sciurus] navaritensis Allen

Bull. Amer. Mus. Nat. Hist., vol. 2, p. vii, footnote, February, 1890. (New name for *Sciurus alstoni* Allen.)

1985/1254. Skin and skull. Adult male. Sierra de Valparaiso, Zacatecas, Mexico. July 27, 1889. Collector: A. Buller. Original number 39.

Skin in fair condition. Skull lacking left bullae, otherwise complete.

MEASUREMENTS: Skin (dry): total length, 580 mm.; tail vertebrae, 280; hind foot, 70. Skull: greatest length, 65.2; zygomatic breadth, 35.7; length of maxillary tooth row, 12.6.

Sciurus apache J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 5, art. 3, p. 29, March 16, 1893.

5370/4302. Skin and skull. Adult. Mountains of northwestern Chihuahua (near Bavispe River), Mexico. December 28, 1890. Collector: F. Robinette. Lumholtz Expedition.

Skin in fair condition. Skull lacking left bullae, otherwise complete.

MEASUREMENTS: Skin (dry): total length, 585 mm.; tail vertebrae, 265; hind foot, 72. Skull: greatest length, 64; zygomatic breadth, 36.5; length of maxillary tooth row, 11.6.

Sciurus arizonensis huachuca J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 6, art. 15, p. 349, December 7, 1894.

9021/7316. Skin and skull. Adult female. Huachuca Mountains, southern Arizona. February 20, 1894. Collector: W. W. Price. Price Collection. Original number 436.

Skin in good condition. Skull: cranium complete, mandible lacking posterior structure.

MEASUREMENTS: Skin (dry): total length, 540 mm.; tail vertebrae, 265; hind foot, 70. Skull: greatest length, 62.7; zygomatic breadth, 37.6; length of maxillary tooth row, 10.8.

Sciurus saltuensis bondae J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 12, art. 16, pp. 213–217, December 20, 1899.

= *Sciurus granatensis bondae* Allen. According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 97, p. 13, 1947.

15234. Skin and skull. Adult female. Bonda, at the base of the northwestern corner of the Sierra Nevada de Santa Marta, Colombia. Altitude, about 50 meters. July 4, 1899. Collector: H. H. Smith. Jesup Santa Marta Expedition. Original number 786.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 474 mm.; tail vertebrae, 230; hind foot, 60. Skull: greatest length, 57.5; zygomatic breadth, 32.8; length of maxillary tooth row, 9.7.

Sciurus saltuensis magdalenae J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 33, art. 38, p. 593, October 8, 1914.

= *Sciurus granatensis splendidus* Gray. According to Hershkovitz, Proc. U. S. Natl. Mus. vol. 97, p. 17, 1947.

34626. Skin and skull. Adult male. Banco, Rio Magdalena, a few miles above the mouth of Rio Cauca, Colombia. January 24, 1913. Collector: G. M. O'Connell. Chapman, Cherrie, *et al.* Expedition. Original number 1.

Skin in good condition. Skull lacking left side of braincase, occipital region, and lower jaws.

MEASUREMENTS: Skin: total length, 434 mm.; tail vertebrae, 189; hind foot, 56. Skull: length of maxillary tooth row, 10.5.

Sciurus gerrardi salaquensis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 33, art. 38, p. 592, October 8, 1914.

= *Sciurus granatensis salaquensis* Allen. According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 97, p. 35, 1947.

33078. Skin and skull. Adult male. Rio Salaqui, northwestern Colombia. July, 1912. Collector: Mrs. E. L. Kerr. Original number 20.

Skin in good condition. Skull lacking all but the first three upper left molar teeth, the first three lower left and the first lower right molar teeth.

MEASUREMENTS: Skin: total length, 470 mm.; tail vertebrae, 230; hind foot, 60. Skull: greatest length, 58.5; zygomatic breadth, 35.2; length of maxillary tooth row, 9.8.

Mesosciurus gerrardi baudensis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 34, art. 8, p. 308, May 17, 1915.

= *Sciurus granatensis salaquensis* Allen. According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 97, p. 35, 1947.

33180. Skin and skull. Adult male. Baudo, coastal region of western Colombia. Altitude, 3500 feet. July 16, 1912. Collector: Mrs. E. L. Kerr. Original number 114.

Skin in good condition. Skull not located.

MEASUREMENTS: Skin: (dry): total length, 490 mm., tail vertebrae, 230; hind foot, 58.2.

Mesosciurus gerrardi valdiviae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 34, art. 8, p. 309, May 17, 1915.
= *Sciurus granatensis valdiviae* Allen. According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 97, p. 35, 1947.

37674. Skin and skull. Adult female. Puerto Valdivia, lower Rio Cauca, Antioquia, central Colombia. Altitude, 360 feet. December 23, 1914. Collector: H. S. Boyle. Original number 1557.

Skin in fair condition. Skull lacking last upper left molar.

MEASUREMENTS: Skin: total length, 468 mm.; tail vertebrae, 218; hind foot, 59. Skull: greatest length, 59; zygomatic breadth, 34.1; length of maxillary tooth row, 9.8.

Sciurus milleri J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 31, art. 7, p. 91, April 19, 1912. (Name preoccupied by *Sciurus epomophorus milleri* Robinson and Wroughton, 1911.)

Sciurus (Mesosciurus) gerrardi leonis Lawrence
Jour. Mammal., vol. 14, no. 4, pp. 369–370, 1933. (New name for *Sciurus milleri* Allen.)
= *Sciurus granatensis leonis* Lawrence. According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 97, p. 36, 1947.

32511. Skin and skull. Adult female. Cocal, western slope of Cordillera Occidental, upper Rio San Juan region, Cauca, southwestern Colombia. Altitude, 4000 feet. June 12, 1911. Collector: L. E. Miller. Original number 159.

Skin in good condition. Skull lacking first right premolar, both last upper molars, first right lower premolar, and two last right and last left lower molars.

MEASUREMENTS: Skin: total length, 508 mm.; tail vertebrae, 268; hind foot, 58. Skull: greatest length, 54.7; zygomatic breadth, 32.5; length of maxillary tooth row, 9.5.

Guerlinguetus hoffmanni manavi J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 33, art. 38, p. 589, October 8, 1914.
= *Sciurus granatensis manavi* (Allen). According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 97, p. 36, 1947.

34286. Skin and skull. Adult female. Rio de Oro, about 60 miles from the coast, Manavi Province, western Ecuador. January 22, 1913. Collector: W. B. Richardson. Original number 124.

Skin in good condition. Skull lacking first upper left premolar.

MEASUREMENTS: Skin: total length, 410 mm.; tail vertebrae, 180; hind foot, 50. Skull: greatest length, 52; zygomatic breadth, 31; length of maxillary tooth row, 9.

Guerlinguetus hoffmanni quindianus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 33, art. 38, pp. 587–589, October 8, 1914.
= *Sciurus granatensis quindianus* (Allen). According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 97, p. 36, 1947.

32835. Skin and skull. Adult male. Rio Frío, western slope of Cordillera Central, on east bank of Rio Cauca, Valle del Cauca Department, central Colombia. Altitude, 3500 feet. November 27, 1911. Collector: L. E. Miller. Original number 556.

Skin in good condition. Skull lacking last upper right molars and mandible.

MEASUREMENTS: Skin: total length, 397 mm.; tail vertebrae, 182; hind foot, 55. Skull: greatest length, 56; zygomatic breadth, 31.5; length of maxillary tooth row, 8.5.

Guerlinguetus griseimembra J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 33, art. 38, pp. 589–590, October 8, 1914.
= *Sciurus granatensis griseimembra* (Allen). According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 97, p. 36, 1947.

34611. Skin and skull. Adult female. Buenavista, eastern slope of Cordillera Oriental, southeast of Bogotá, Cundinamarca, central Colombia. Altitude, 4500 feet. March 8, 1913. Collectors: G. M. O'Connell, Chapman, Cherrie, *et al.* Expedition. Original number 31.

Skin in good condition, slightly grease burnt on under side. Skull complete.

MEASUREMENTS: Skin: total length, 402 mm.; tail vertebrae, 183; hind foot, 55. Skull:

greatest length, 51.2; zygomatic breadth, 31; length of maxillary tooth row, 10.7.

Guerlinguetus candelensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 33, art. 38, pp. 590–591, October 8, 1914.
= *Sciurus granatensis candelensis* (Allen). According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 97, p. 36, 1947.

33670. Skin and skull. Adult female. La Candela, near San Agustín, Huila, south central Colombia. Altitude, 6500 feet. May 11, 1912. Collector: L. E. Miller. Original number 768.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 380 mm.; tail vertebrae, 190; hind foot, 50. Skull: greatest length, 51.2; zygomatic breadth, 29.4; length of maxillary tooth row, 9.7.

Sciurus chapmani J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 12, art. 2, pp. 16–17, March 4, 1899.
= *Sciurus granatensis chapmani* Allen. According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 97, p. 37, 1947.

7322/5930. Skin and skull. Adult male. Caparo, Trinidad. March 19, 1894. Collector: F. M. Chapman. Original number 724.

Skin in good condition. Skull lacking posterior part of braincase and lower jaws.

MEASUREMENTS: Skin: total length, 370 mm.; tail vertebrae, 162; hind foot, 46. Skull: greatest length, 49; zygomatic breadth, 30; length of maxillary tooth row, 8.2.

Sciurus (Guerlinguetus) aestuans quebradensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 12, art. 16, pp. 217–218, December 20, 1899.
= *Sciurus granatensis chapmani* Allen. According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 97, p. 37, 1947.

14725. Skin and skull. Adult female. Quebrada, Seca, northern Venezuela. December 2, 1898. Collector: F. W. Urich. Original number 35.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 348 mm.; tail vertebrae, 156; hind foot, 46. Skull: greatest length, 46.8; zygomatic breadth, 26.9; length of maxillary tooth row, 8.

Guerlinguetus aestuans venustus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 34, art. 8, p. 260, May 17, 1915.
= *Sciurus aestuans venustus* Allen. According to Ellerman, The families and genera of living rodents, vol. 1, p. 342, June 8, 1940.

36155. Skin and skull. Adult female. Boca Sina, Rio Cunucunuma (southern base of Mt. Duida), Venezuela. Altitude, 440 feet. March 19, 1913. Collector: L. E. Miller. Original number 9.

Skin in fair condition, tail imperfect. Skull lacking left zygomatic arch and first upper left premolar.

MEASUREMENTS: Skin: total length, 285 mm.; tail vertebrae, 120; hind foot, 40. Skull: greatest length, 47.5; length of maxillary tooth row, 8.5.

Sciurus (Guerlinguetus) caucensis Nelson
Bull. Amer. Mus. Nat. Hist., vol. 12, art. 4, pp. 79–80, April 14, 1899.
= *Sciurus pucherani caucensis* (Nelson). According to Ellerman, The families and genera of living rodents, vol. 1, p. 343, June 8, 1940.

14208. Skin and skull. Rio Lima, near San Antonio, western Andes, Colombia. Altitude, 6000 feet. August 10, 1898. Collector: J. H. Batty. Batty, Parish Expedition. Original number 377.

Skin in good condition. Skull lacking first upper left premolar and last lower right molar.

MEASUREMENTS: Skin: total length, 305 mm.; tail vertebrae, 145; hind foot, 38. Skull: greatest length, 40.8; zygomatic breadth, 24; length of maxillary tooth row, 6.8.

Guerlinguetus pucheranii salentensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 33, art. 38, p. 587, October 8, 1914.
= *Sciurus pucheranii salentensis* (Allen). According to Ellerman, The families and genera of living rodents, vol. 1, p. 343, June 8, 1940.

32840. Skin and skull. Adult female. Near Salento, central Andes, Cauca, Colombia. Altitude, 9000 feet. November 3, 1911. Collector: L. E. Miller. Original number 458.

Skin in good condition. Skull not definitely located. A skull originally without number, belonging to this series, in provisionally considered as the type; lacking left side of mandible.

Allen described No. 32840 but labeled No. 32842 as the type specimen, which is an adult male, skin and skull from El Roble, Quindio

Andes, Colombia, collected November 11, 1911, by L. E. Miller.

MEASUREMENTS: Skin: total length, 310 mm.; tail vertebrae, 150; hind foot, 40. Skull: greatest length, 41.8; zygomatic breadth, 24.3; length of maxillary tooth row, 7.

SUBGENUS **HADROSCIURUS** ALLEN

Sciurus duida J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 33, art. 38, p. 594, October 8, 1914.
= *Hadrosciurus [Sciurus] igniventris duida* (Allen). According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, p. 176, October 20, 1939.

36153. Skin and skull. Adult female. Rio Cunacunuma, southwest side of Mt. Duida, Venezuela. Altitude, 700 feet. March 31, 1913. Collector: L. E. Miller. Original number 14.

Skin in first-class condition. Skull lacking left bulla and mandible.

MEASUREMENTS: Skin: total length, 560 mm.; tail vertebrae, 290; hind foot, 65. Skull: greatest length, 65.7; zygomatic breadth, 37.8; length of maxillary tooth row, 10.5.

Sciurus igniventris zamorae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 33, art. 38, pp. 594–595, October 8, 1914.

36538. Skin and skull. Adult male. Zamora, Ecuador. Altitude, 2000 feet. October 29, 1913. Collector: W. B. Richardson. Original number 327.

Skin in good condition. Skull lacking front upper left premolar, right side of mandible broken.

MEASUREMENTS: Skin: total length, 520 mm.; tail vertebrae, 230; hind foot, 50 (dry, c.u., 62.5). Skull: greatest length, 58.8; zygomatic breadth, 33.6; length of maxillary tooth row, 9.5.

Sciurus langsdorffii urucumus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 33, art. 38, pp. 395–396, October 8, 1914.

37068. Skin and skull. Adult male. Urucum, Rio Paraguay, at mouth of Rio Tacuari, Mato Grosso, Brazil. Altitude, 400 feet. December 1, 1913. Collector: L. E. Miller. Roosevelt Expedition. Original number 111.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 440 mm.; tail vertebrae, 230; hind foot, 60. Skull: greatest length, 57.2; zygomatic breadth, 33; length of maxillary tooth row, 8.4.

SUBGENUS **SIMOSCIURUS** ALLEN

Sciurus stramineus zarumae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 33, art. 38, p. 597, October 8, 1914.

36537. Skin and skull. Adult female. Zaruma, southwestern Ecuador. Altitude, 6000 feet. September 27, 1913. Collector: W. B. Richardson. Original number 304.

Skin in good condition. Skull lacking zygomatic arches and part of rostrum.

MEASUREMENTS: Skin: total length, 540 mm.; tail vertebrae, 320 (dry, 255); hind foot, 70. Skull: length of maxillary tooth row, 10.5.

GENUS **MICROSCIURUS** ALLEN

Sciurus (Microsciurus) alfari J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 7, art. 10, p. 333, November 8, 1895.
= *Microsciurus alfari alfari* (Allen). According to Miller, Bull. U. S. Natl. Mus., no. 79, p. 338, December 31, 1912.

11290/9554. Skin and skull. Adult female. Jiménez, Limón, Costa Rica. Altitude, between 600 and 1000 feet. January 24, 1894. Collector: G. K. Cherrie. It bears a Museo Nacional de Costa Rica label with the number 757.

Skin in moderately good condition. Skull lacking part of right zygoma.

MEASUREMENTS: Skin (dry): total length, 244 mm.; tail vertebrae, 98; hind foot, 36. Skull: greatest length, 36.8; zygomatic breadth, 22; length of maxillary tooth row, 5.6.

Microsciurus septentrionalis Anthony
Jour. Mammal., vol. 1, no. 2, p. 81, February 2, 1920.
= *Microsciurus alfari septentrionalis* Anthony. According to Goodwin, Bull. Amer. Mus. Nat. Hist., vol. 87, art. 5, p. 367, December 31, 1946.

41235. Skin and skull. Adult female. Sabalos, on Rio San Juan at junction of Rio Sabalos, Nicaragua. May 12, 1917. Collector: W. B. Richardson. Original number 10.

Skin in good condition. Skull lacking first three maxillary teeth on right side and first maxillary tooth on left.

MEASUREMENTS: Skin: total length, 240 mm.; tail vertebrae, 100; hind foot, 30. Skull:

greatest length, 36; zygomatic breadth, 21.6; length of maxillary tooth row, 5.6.

Microsciurus alfari alticola Goodwin
Amer. Mus. Novitates, no. 1218, p. 2, February 11, 1943.

140388. Skin and skull. Adult male. Lajas, Villa Quesada, Province of Alajuela, Costa Rica. Altitude, 5000 feet. January 5, 1942. Collector: C. F. Underwood. Original number 4091.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 248 mm.; tail vertebrae, 118; hind foot, 39. Skull: greatest length, 36.9; zygomatic breadth, 21.7; length of maxillary tooth row, 5.5.

Sciurus (Microsciurus) similis Nelson
Bull. Amer. Mus. Nat. Hist., vol. 12, art. 4, pp. 78–79, April 14, 1899.
= *Microsciurus similis similis* (Nelson). According to Ellerman, The families and genera of living rodents, vol. 1, p. 320, 1940.

14210. Skin and skull. Adult male. Near Cali, Cauca Valley, Colombia. Altitude, 6000 feet. November 8, 1898. Collector: J. H. Batty. Batty, Parish Expedition. Original number 556.

Skin in good condition. Skull not located, marked "lost" on label.

MEASUREMENTS: Skin (dry): total length, 245 mm.; tail vertebrae, 98; hind foot, 34.

Microsciurus florenciae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 33, art. 11, p. 164, February 26, 1914.

33695/34370. Skin and skull. Adult male. Florencia, Caquetá district, Colombia. Altitude, 1000 feet. January 27, 1912. Collector: L. E. Miller. Original number 840.

Skin in good condition. Skull lacking first and last right and the first two left maxillary teeth, also the first and last teeth on both sides of the mandible.

MEASUREMENTS: Skin: total length, 270 mm.; tail vertebrae, 120; hind foot, 40. Skull: greatest length, 39.5; zygomatic breadth, 23.7; length of maxillary tooth row, 7.2.

Sciurus (Microsciurus) peruanus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 9, art. 8, pp. 115–116, April 26, 1897.
= *Microsciurus peruanus* (Allen). According to Ellerman, The families and genera of living rodents, vol. 1, p. 320, 1940.

11816/10108. Skin and skull. Adult female. Guayabamba, northwestern Peru. Altitude, 4000 feet. September 8, 1894. Collector: O. T. Baron.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin (dry): total length, 280 mm.; tail vertebrae, 110; hind foot, 38. Skull: greatest length, 36.3; zygomatic breadth, 21.5; length of maxillary tooth row, 6.5.

Microsciurus sabanillae Anthony
Amer. Mus. Novitates, no. 32, pp. 2–3, March 4, 1922.

60464. Skin and skull with skeleton. Adult female. Sabanilla, Province of Loja, Ecuador. Altitude, 5700 feet. November 18, 1920. Collector H. E. Anthony. Original number 2292.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 280 mm.; tail vertebrae, 146; hind foot, 41. Skull: greatest length, 37.8; zygomatic breadth, 22.3; length of maxillary tooth row, 6.9.

GENUS **SYNTHEOSCIURUS** BANGS

Sciurus poasensis Goodwin
Amer. Mus. Novitates, no. 1218, p. 1, February 11, 1943.
= *Syntheosciurus poasensis* (Goodwin). According to Goodwin, Bull. Amer. Mus. Nat. Hist., vol. 87, art. 5, p. 365, December 31, 1946.

131723. Skin and skull. Adult male. Volcano Poas, Province of Alajuela, Costa Rica. Altitude, 6700 feet. May 26, 1938. Collector: C. F. Underwood. Original number 3143.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 295 mm.; tail vertebrae, 140; hind foot (dry), 43.7. Skull: greatest length, 38.7; zygomatic breadth, 24.8; length of maxillary tooth row, 7.4.

GENUS **TAMIASCIURUS** TROUESSART

Sciurus hudsonicus minnesota J. A. Allen
Amer. Nat., vol. 33, no. 392, pp. 640–641, August, 1899.
= *Tamiasciurus hudsonicus minnesota* (Allen). According to Ellerman, The families and genera of living rodents, vol. 1, p. 346, June 8, 1940.

4374/3400. Skin and skull. Adult female. Fort Snelling, Hennepin County, Minnesota. April 4, 1890. Collector: E. A.

Mearns. Original number 826.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 345 mm.; tail vertebrae, 143; hind foot, 50. Skull: greatest length, 49.3; zygomatic breadth, 27.4; length of maxillary tooth row, 8.7.

Sciurus hudsonicus dakotensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 6, art. 13, pp. 325–326, November 7, 1894.
= *Tamiasciurus hudsonicus dakotensis* (Allen). According to Ellerman, The families and genera of living rodents, vol. 1, p. 346, June 8, 1940.

9178/7486. Skin and skull. Adult male. Squaw Creek, Black Hills, Custer County, South Dakota. July 21, 1894. Collector: W. W. Granger. Original number 141.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 14 inches; tail vertebrae, 5 7/8 inches; hind foot, 2 inches. Skull: greatest length, 50 mm.; zygomatic breadth, 28.9; length of maxillary tooth row, 8.5.

Sciurus hudsonicus streatori J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 10, art. 14, pp. 267–269, July 22, 1898.
= *T[amiasciurus] h[udsonicus] streatori* (Allen). According to A. H. Howell, Proc. Biol. Soc. Washington, vol. 49, p. 135, August 22, 1936.

2054. Skin. Adult male. Ducks, British Columbia, Canada. August 3, 1889. Collector: C. P. Streator.

Skin in fair condition. No skull.

MEASUREMENTS: Skin (dry): total length, 355 mm.; tail vertebrae, 135; hind foot, 49.

Sciurus hudsonicus vancouverensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 3, no. 1, art. 9, p. 165, November 14, 1890.
= *Tamiasciurus hudsonicus vancouverensis* (Allen). According to Ellerman, The families and genera of living rodents, vol. 1, p. 347, June 8, 1940.

2059/1449. Skin and skull. Adult female. Duncan Station, Vancouver Island, British Columbia, Canada. October 2, 1889. Collector: C. P. Streator. Original number 2.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin (dry): total length, 355 mm.; tail vertebrae, 135; hind foot, 45. Skull: greatest length, 45; zygomatic breadth, 26.5; length of maxillary tooth row, 8.

Tamiasciurus hudsonicus columbiensis Howell
Proc. Biol. Soc. Washington, vol. 49, pp. 135–136, August 22, 1936.

19891. Skin and skull. Adult male. Raspberry Creek, 30 miles southeast of Telegraph Creek, northern British Columbia, Canada. October 8, 1902. Collector: M. P. Anderson. Original number 858.

Skin in good condition. Skull lacking first right and last left upper molars.

MEASUREMENTS: Skin: total length, 310 mm.; tail vertebrae, 125; hind foot, 50. Skull: greatest length, 46; zygomatic breadth, 26.1; length of maxillary tooth row, 8.

Sciurus hudsonicus californicus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 3, art. 9, pp. 165–167, November 14, 1890. [Name preoccupied by *Sciurus* (*Macroxus*) *californicus* Lesson, 1837.]

Sciurus douglasii albolimbatus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 10, art. 14, p. 453. November 10, 1898. (New name for *Sciurus hudsonicus californicus* Allen.)
= *Tamiasciurus douglasii albolimbatus* (Allen). According to Ellerman, The families and genera of living rodents, vol. 1, p. 347, June 8, 1940.

2551. Skin. Adult female. Blue Canyon, Placer County, California. October 13, 1886. Collector: C. A. Allen. Original number 32.

Skin in fair condition. No skull.

MEASUREMENTS: Skin: total length, 14 1/2 inches; tail vertebrae, 6 1/2 inches; hind foot (dry), 50 mm.

S[ciurus] hudsonius mogollonensis Mearns
Auk, vol. 7, p. 49, January, 1890. Original description, Mearns, Bull. Amer. Mus. Nat. Hist., vol. 2, no. 4, art. 20, pp. 277–280, February 21, 1890.
= *Sciurus fremonti mogollonensis* Mearns. According to Merriam, North Amer. Fauna, no. 3, p. 48, September 11, 1890.
= *Tamiasciurus fremonti mogollonensis* (Mearns). According to Ellerman, The families and genera of living rodents, pt. 1, p. 348, June 8, 1940.

2300. Skin. Adult male. Quaking Asp settlement, summit of Mogollon Mountains, Yavapai County, Arizona. May 25, 1887. Collector: E. A. Mearns. Original number 543.

2296. Paratype. Skin and skull. Adult female. General Springs, Mogollon Mountains, Arizona. October 4, 1884. Collector: E. A. Mearns. Original number 136.

Skins of type and paratype in fair condition. Skull of paratype lacking occipital re-

gion and mandible broken. Type skull not recorded in catalogue.

MEASUREMENTS: Skin (type): total length, 395 mm.; tail vertebrae, 136; hind foot, 54. Skull (paratype): zygomatic breadth, 28.4; length of maxillary tooth row, 8.3.

Sciurus hudsonicus grahamensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 6, art. 15, p. 350. December 7, 1894.
= *Sciurus fremonti grahamensis* Allen. According to Allen, Bull. Amer. Mus. Nat. Hist., vol. 10, art. 14, p. 292, July 22, 1898.
= *Tamiasciurus fremonti grahamensis* (Allen). According to Ellerman, The families and genera of living rodents, vol. 1, p. 348, June 8, 1940.

9013/7308. Skin and skull. Adult female. Graham Mountains, Graham County, Arizona. July 18, 1894. Collectors: Price and Condit. Price Collection. Original number 1166.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 330 mm.; tail vertebrae, 132; hind foot, 53. Skull: greatest length, 47.5; zygomatic breadth, 27; length of maxillary tooth row, 8.5.

GENUS **RATUFA** GRAY

Ratufa gigantea hainana J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 22, art. 28, p. 472, December 17, 1906.
=(?) *Ratufa bicolor gigantea* M'Clelland. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 499, November 19, 1951.

26638. Skin and skull. Adult male. Cheteriang, Island of Hainan, China. 1903 or 1904. Purchased from Alan Owston of Yokohama, taken by his agents. Original number 15.

Skin in good condition. Skull complete, teeth well worn.

MEASUREMENTS: Skin (dry): total length, 740 mm.; tail vertebrae, 410; hind foot, 85. Skull: greatest length, 73.5; zygomatic breadth, 45.8; length of maxillary tooth row, 14.5.

GENUS **FUNISCIURUS** TROUESSART

Funisciurus anerythrus niapu J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 47, art. 2, pp. 52–54, October 27, 1922.

50877. Skin and skull. Adult male. Niapu, Belgian Congo. November 9, 1913. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 2120.

Skin in good condition. Skull lacking first upper right premolar.

MEASUREMENTS: Skin: total length, 359 mm.; tail vertebrae, 169; hind foot, 47. Skull: greatest length, 45.7; zygomatic breadth, 25.5; length of maxillary tooth row, 8.3.

GENUS **HELIOSCIURUS** TROUESSART

Heliosciurus rufobrachium medjianus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 47, art. 2, pp. 48–50, October 27, 1922.

50761. Skin and skull. Adult female. Medje, Belgian Congo. January 17, 1910. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 487.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 502 mm.; tail vertebrae, 278; hind foot, 59. Skull: greatest length, 53.2; zygomatic breadth, 30.5; length of maxillary tooth row, 10.3.

Heliosciurus rufobrachium rubricatus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 47, art. 2, pp. 50–51, October 27, 1922.

50748. Skin and skull. Adult male. Near the Lubila River, an affluent of the Tshopo River, about 50 miles southwest of Avakubi (south of the Ituri River), Belgian Congo. September 20, 1909. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 123.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 552 mm.; tail vertebrae, 297; hind foot, 61. Skull: greatest length, 55.4; zygomatic breadth, 31.5; length of maxillary tooth row, 10.9.

GENUS **CALLOSCIURUS** GRAY

Sciurus erythraeus insularis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 22, art. 28, pp. 473–475, December 17, 1906.
= *Callosciurus erythraeus castaneoventris* (Gray). According to G. M. Allen, The mammals of China and Mongolia, Natural history of Central Asia, vol. 11, pt. 2, p. 629, September 3, 1940.

26609. Skin and skull. Adult female. Lei-Mui-Mon, Island of Hainan, China. January 5, 1903. Purchased from Alan Owston of Yokohama, taken by his agents. Original number 2.

Skin in good condition. Skull lacking occipital region.

MEASUREMENTS: Skin (dry): total length, 450 mm.; tail vertebrae, 200; hind foot, 47.5. Skull: zygomatic breadth, 31; length of maxillary tooth row, 10.

Callosciurus sladeni vernayi Carter
Amer. Mus. Novitates, no. 1208, p. 1, November 12, 1942.
= *Callosciurus flavimanus vernayi* Carter. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 483, November 19, 1951.

113252. Skin and skull. Adult female. Tapa Hka (latitude 26° 09′ N., longitude 96° 16′ E.), northern Burma. Altitude, 700 feet. February 2, 1935. Collector: H. C. Raven. Vernay-Hopwood Chindwin Expedition. Original number 186.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 493 mm.; tail vertebrae, 258; hind foot 55. Skull: greatest length, 54.3; zygomatic breadth, 52.2; length of maxillary tooth row, 10.3.

Sciurus beebei J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 30, art. 13, p. 338, December 21, 1911.
= *Callosciurus quinquestriatus beebei* (Allen). According to Anthony, Publ. Field Mus. Nat. Hist., zool. ser., vol. 27, p. 90, December 8, 1941.
= (?) *Callosciurus quinquestriatus quinquestriatus* Anderson. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 488, November 19, 1951.

32624. Skin only. Adult female. Erroneously labeled as coming from 10 miles south of Kuching, Sarawak, Borneo. June 26, 1910. Collector: C. W. Beebe. Kuser-Beebe Pheasant Expedition number 40. The field label was apparently transposed with that of another squirrel collected on the Kuser-Beebe Pheasant Expedition, No. 32625, *Callosciurus vittatus*. The geographical distribution of the two species of squirrels is such that a transposition of the labels must have taken place. Furthermore the type, No. 32624, is a male, labeled female, and No. 32625 is a female, labeled male. The type locality can now be fixed as Sansi Gorge, Burma-Yunnan frontier. December 7, 1910. Adult male. Collector: C. W. Beebe. Original number 587.

Skin in good condition. No skull.

MEASUREMENTS: Skin (dry): total length, 430 mm.; tail vertebrae, 202; hind foot, 51.

SUBGENUS **TAMIOPS** ALLEN

Tamiops sauteri J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 30, art. 13, p. 339, December 21, 1911.
= *Callosciurus macclellandi sauteri* (Allen). According to Ellerman, The families and genera of living rodents, vol. 1, p. 354, June 8, 1940.
= *Callosciurus swinhoei formosanus* (Bonhote). According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 490, November 19, 1951.

31621. Skin. Adult male. Chip Chip, northern Formosa. November, 1908. Collector: H. Sauter. Original number 26424.

Skin in fair condition, lacking most of the tail. No skull.

MEASUREMENTS: Skin (dry): head and body, 125 mm.; hind foot, 30.

Tamiops macclellandi hainanus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 22, art. 28, pp. 476–477, December 17, 1906.
= *Tamiops swinhoei hainanus* Allen. According to G. M. Allen, The mammals of China and Mongolia, Natural history of Central Asia, vol. 11, pt. 2, p. 685, September 3, 1940.
= *Callosciurus swinhoei hainanus* (Allen). According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 490, November 19, 1951.

26664. Skin and skull. Adult female. Lei-Mui-Mon, in the high mountains of central Hainan, China. December 31, 1902. Purchased from Alan Owston of Yokohama, taken by his agents. Original number 1.

Skin in fair condition. Skull lacking occipital region.

MEASUREMENTS: Skin (dry): total length, 212 mm.; tail vertebrae, 95; hind foot, 28. Skull: zygomatic breadth, 20; length of maxillary tooth row, 5.7.

Tamiops macclellandi riudoni J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 22, art. 28, p. 477, December 17, 1906.
= *Tamiops* [*Callosciurus*] *swinhoei hainanus* Allen. According to G. M. Allen, The mammals of China and Mongolia, Natural history of Central Asia, vol. 11, pt. 2, p. 685, September 3, 1940.

26672. Skin and skull. Adult male. Ruidon, east of Lei-Mui-Mon, in the foothills of

central mountain range, Hainan, China. March 5, 1903. Purchased from Alan Owston of Yokohama, taken by his agents. Original number 1.

Skin in fair condition. Skull lacking zygomatic arches and occipital region.

MEASUREMENTS: Skin: total length, 10 1/4 inches. Skull: length of maxillary tooth row, 6.0 mm.

GENUS **HYOSCIURUS** TATE

Hyosciurus heinrichi Tate

Amer. Mus. Novitates, no. 801, pp. 2–6, May 17, 1935.

101310. Archbold Collections. Skin and skull. Adult male. Latimadjong Mountains, southern Celebes. Altitude, 2300 meters. July 19, 1930. Collector: G. Heinrich. Original number 46.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 315 mm.; tail vertebrae, 104; hind foot (s.u.), 51. Skull: greatest length, 64.4; zygomatic breadth, 30; length of maxillary tooth row, 11.

Hyosciurus heinrichi ileile Tate

Amer. Mus. Novitates, no. 846, p. 1, April 29, 1936.

101308. Archbold Collections. Skin and skull. Semi-adult female. Ile-Ile, north Celebes. Altitude, 1700 meters. November 12, 1930. Collector: G. Heinrich, Original number 130.

Skin in good condition. Skull complete except for right bullae.

MEASUREMENTS: Skin: total length, 329 mm.; tail vertebrae, 133; hind foot (s.u.), 51. Skull: greatest length, 57; zygomatic breadth, 29.7; length of maxillary tooth row, 11.

GENUS **DREMOMYS** HEUDE

Funambulus riudonensis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 22, art. 28, pp. 472–473, December 17, 1906.

= *Dremomys rufigenis riudonensis* (Allen). According to Robinson and Kloss, Rec. Indian Mus., vol. 15, p. 237, 1918.

26651. Skin and skull. Adult female. Riudon, Island of Hainan, China. March 11, 1903. Purchased from Alan Owston of Yokohama, taken by his agents. Original number 10.

Skin in fair condition. Skull incomplete, lacking occipital region and all of mandible except right side.

MEASUREMENTS: Skin: total length, 305 mm.; tail vertebrae, 135; hind foot, 45. Skull: length of maxillary tooth row, 10.

GENUS **SCIUROTAMIAS** MILLER

Sciurotamias owstoni J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 26, art. 29, pp. 428–429, October 21, 1909.

= *Sciurotamias davidianus saltitans* (Heude). According to G. M. Allen, The mammals of China and Mongolia, Natural history of Central Asia, vol. 11, pt. 2, p. 665, September 3, 1940.

27545. Skin and skull. Adult female. Tai-pa-shiang, mountain range of central Shensi, China. October 8, 1905. Purchased from Alan Owston, taken by his agents.

Skin in good condition. Skull lacking occipital region.

MEASUREMENTS: Skin (dry): head and body, 175 mm.; tail vertebrae, 145; hind foot, 50. Skull: zygomatic breadth, 30; length of maxillary tooth row, 9.7.

GENUS **MARMOTA** FRISCH

Marmota engelhardti J. A. Allen

Mus. Brooklyn Inst. Arts and Sci., Sci. Bull., vol. 1, no. 5, p. 120, March 31, 1905.

= *Marmota flaviventris engelhardti* Allen. According to Howell, North Amer. Fauna, no. 37, p. 45, April 7, 1915.

28739. Skin and skull. Semi-adult. "Briggs" [Britts] Meadows, Beaver Range Mountains, Beaver County, Utah. Altitude, 10,000 feet. August 20, 1904. Collector: G. P. Engelhardt. Brooklyn Institute number 439 (not 446, as in type description). Skin in good condition. Skull complete.

MEASUREMENTS: Skin (dry): total length, 640 mm.; tail vertebrae, 160; hind foot, 70. Skull: greatest length, 74; zygomatic breadth, 48.3; length of maxillary tooth row, 19.

GENUS **CYNOMYS** RAFINESQUE

Cynomys parvidens J. A. Allen

Mus. Brooklyn Inst. Arts and Sci., Sci. Bull., vol. 1, no. 5, pp. 119–120, March 31, 1905.

28738. Skin and skull. Adult. Buckskin Valley, Iron County, Utah. August 25, 1904. Collector: G. P. Englehardt. Brooklyn Institute number 437.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin (dry): total length, 340 mm.; tail vertebrae, 40; hind foot, 53. Skull: greatest length, 62; zygomatic breadth, 43; length of maxillary tooth row, 15.

Cynomys arizonensis Mearns
Bull. Amer. Mus. Nat. Hist., vol. 2, no. 4, art. 20, pp. 305–307, February 21, 1890.
= *Cynomys ludovicianus arizonensis* Mearns. According to Hollister, North Amer. Fauna, no. 40, p. 19, June 20, 1916.

2509. Skin. Adult female. Point of Mountain, near Wilcox, Cochise County, Arizona. April 9, 1885. Collector: E. A. Mearns. Original number 183. Paratype: 2185/1775, skin and skull, adult male, Dragoon Summit, southern Arizona. May 3, 1885. Collector: E. A. Mearns. Original number 190.
Skins in fair condition. Skull of paratype complete.
MEASUREMENTS: Skin (type): total length, 370 mm.; tail vertebrae, 73; hind foot, 58. Skull (paratype): greatest length, 64.2; zygomatic breadth, 43.6; length of maxillary tooth row, 16.3.

GENUS **CITELLUS** OKEN

SUBGENUS **CITELLUS** OKEN

Citellus pygmaeus kazakstanicus Goodwin
Amer. Mus. Novitates, no. 769, p. 5, January 24, 1935.
= *Citellus pygmaeus nikolskii* Heptner. According to Ognev, Mammals of eastern Europe and northern Asia, vol. 5, p. 126, 1947.

85310. Skin and skull. Adult male. Tuz Bulak, 150 miles north of Kizil Orda (Perovsk), Kazakstan, Central Asia. Altitude, 600 feet. October 17, 1929. Collector: G. G. Goodwin. Morden Graves North Asiatic Expedition. Original number 23.
Skin in good condition. Skull with cranium damaged but repaired.
MEASUREMENTS: Skin: total length, 190 mm.; tail vertebrae, 35; hind foot, 33. Skull: greatest length, 38; zygomatic breadth, 26; length of maxillary tooth row, 9.5.

Citellus columbianus albertae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 19, art. 21, p. 537, October 10, 1903.
= *Citellus columbianus columbianus* (Ord). According to A. H. Howell, North Amer. Fauna, no. 56, p. 85, April, 1938.

15539. Skin and skull. Adult male. Canadian National Park, Alberta, Canada. August 16, 1899. Collector: G. F. Dippie. Original number 259.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 12 10/16 inches; tail vertebrae, 4 3/16 inches; hind foot, 2 4/16 inches. Skull: greatest length, 52.5 mm.; zygomatic breadth, 33; length of maxillary tooth row, 11.3.

Citellus buxtoni J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 19, art. 4, pp. 139–142, March 31, 1903.
= *Citellus parryii buxtoni* Allen. According to A. H. Howell, North Amer. Fauna, no. 56, p. 100, April, 1938.
= *Citellus undulatus leucostictus* Brandt. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 511, November 19, 1951.

18403. Skin and skull. Adult male. Gichiga, western coast of Okhotsk Sea, Siberia. August 19, 1901. Collector: N. G. Buxton. Jesup North Pacific Expedition. Original number 1022.
Skin in good condition. Skull lacking left zygomatic arch and posterior half of left lower jaw.
MEASUREMENTS: Skin: total length, 377 mm.; tail vertebrae, 93; hind foot, 60. Skull: greatest length, 57.8; length of maxillary tooth row, 11.8.

Citellus stonei J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 19, art. 21, pp. 537–538, October 10, 1903.
= *Citellus parryii ablusus* Osgood. According to Howell, North Amer. Fauna, no. 56, p. 98, April, 1938.

20775. Skin and skull. Adult male. Stevana Flats, near Port Muller, Alaskan Peninsula, Alaska (not Wrangel, Alaska; see Allen, Bull. Amer. Mus. Nat. Hist., vol. 19, p. xvii). June, 1902. Collector: A. J. Stone.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin (dry): total length, 350 mm.; tail vertebrae, 100, hind foot, 59. Skull: greatest length, 59.5; zygomatic breadth, 36.5; length of maxillary tooth row, 13.

SUBGENUS **ICTIDOMYS** ALLEN

Spermophilus tridecemlineatus olivaceus J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 7, art. 10, p. 337, November 8, 1895.
= *Citellus tridecemlineatus pallidus* (Allen). According to A. H. Howell, North Amer. Fauna, no. 56, p. 112, April, 1938.

9271/7586. Skin and skull. Adult female. Custer, Custer County, Black Hills, South Dakota. July 25, 1894. Collector: W. W. Granger. Original number 182.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 10 3/16 inches; tail vertebrae, 3 8/16 inches; hind foot, 1 5/16 inches. Skull: greatest length, 37.2 mm.; zygomatic breadth, 20.3; length of maxillary tooth row, 7.2.

Spermophilus tridecemlineatus parvus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 7, art. 10, pp. 337–339, November 8, 1895.
= [*Citellus tridecemlineatus*] *parvus* (Allen). According to Trouessart, Catalogus mammalium tam viventium quam fossilium, Nova editio, suppl., pts. 1–2, p. 341, 1904.

10838/9135. Skin and skull. Adult male. Uncompahgre Indian Reservation, northeastern Utah. May 2, 1895. Collector: W. W. Granger. Original number 537.
Skin in good condition. Skull lacking zygomatic arches and part of braincase on right side.
MEASUREMENTS: Skin: total length, 192 mm.; tail vertebrae, 71; hind foot, 29. Skull: greatest length, 35.5; length of maxillary tooth row, 6.

SUBGENUS **OTOSPERMOPHILUS** BRANDT

Citellus (Otospermophilus) grammurus rupestris J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 19, art. 24, pp. 595–598, November 12, 1903.
= *Citellus variegatus rupestris* Allen. According to A. H. Howell, North Amer. Fauna, no. 56, p. 138, April, 1938.

21231. Skin and skull. Adult female. Rio Sestin, northwest Durango, Mexico. April 12, 1903. Collector: J. H. Batty. Original number 419.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 520 mm.; tail vertebrae, 241; hind foot, 64. Skull: greatest length, 65.5; zygomatic breadth, 39.8; length of maxillary tooth row, 13.

SUBGENUS **AMMOSPERMOPHILUS** MERRIAM

Tamias leucurus peninsulae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 5, art. 12, pp. 197–198, August 18, 1893.
= *Citellus leucurus peninsulae* (Allen). According to A. H. Howell, North Amer. Fauna, no. 56, p. 176, April, 1938.

6314/4948. Skin and skull. Adult male. San Telmo, Lower California, Mexico. April 30, 1893. Collector: A. W. Anthony. Original number 8.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 213 mm.; tail vertebrae, 50; hind foot, 35.3. Skull: greatest length, 41.5; zygomatic breadth, 23.5; length of maxillary tooth row, 7.

SUBGENUS **CALLOSPERMOPHILUS** MERRIAM

Tamias wortmani J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 7, art. 10, pp. 335–337, November 8, 1895.
= *Citellus lateralis wortmani* (Allen). According to A. H. Howell, North Amer. Fauna, no. 56, p. 195, April, 1938.

11057/9352. Skin and skull. Adult male. Kinney Ranch, Bitter Creek, Sweetwater County, Wyoming. July 13, 1895. Collector: W. W. Granger. Original number 716.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 282 mm.; tail vertebrae, 92; hind foot, 44. Skull: greatest length, 46; zygomatic breadth, 28.5; length of maxillary tooth row, 8.5.

GENUS **TAMIAS** ILLIGER

Tamias striatus griseus Mearns
Bull. Amer. Mus. Nat. Hist., vol. 3, no. 2, art. 16, p. 231, June 5, 1891.

2196/2862. Skin and skull. Adult female. Fort Snelling, Hennepin County, Minnesota. April 2, 1889. Collector: E. A. Mearns. Original number 791.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 283 mm.; tail vertebrae, 108; hind foot, 36. Skull: greatest length, 40.7; zygomatic breadth, 22.6; length of maxillary tooth row, 6.2.

GENUS **EUTAMIAS** TROUESSART

Eutamias lectus J. A. Allen
Mus. Brooklyn Inst. Arts and Sci., Sci. Bull.,

vol. 1, no. 5, pp. 117–118, March 31, 1905.
= *Eutamias minimus consobrinus* (Allen). According to A. H. Howell, Jour. Mammal., vol. 3, no. 3, p. 183, August, 1922.

28727. Skin and skull. Adult. Beaver Valley, Beaver County, Utah. July 25, 1904. Collector: G. P. Engelhardt. Brooklyn Institute number 385.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin (dry): total length, 194 mm.; tail vertebrae, 86.5; hind foot, 28. Skull: greatest length, 30; zygomatic breadth, 16.5; length of maxillary tooth row, 4.5.

Tamias quadrivittatus affinis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 3, no. 1, art. 4, pp. 103–106, June, 1890.
= *Eutamias amoenus affinis* (Allen). According to A. H. Howell, Jour. Mammal., vol. 3, no. 3, p. 184, August, 1922.

2019/1500. Skin and skull. Adult female. Ashcroft, British Columbia, Canada. July 3, 1889 (as recorded on original label, not June 18 as given in type description). Collector: C. P. Streator.

Skin in fair condition, somewhat grease burnt on abdomen. Skull complete.

MEASUREMENTS: Skin (dry): total length, 225 mm.; tail vertebrae, 94.5; hind foot, 29.5. Skull: greatest length, 34.2; zygomatic breadth, 18.7; length of maxillary tooth row, 5.

Eutamias amoenus propinquus Anthony
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 1, pp. 6–7, March 7, 1913.
= *Eutamias amoenus amoenus* (Allen). According to A. H. Howell, Jour. Mammal., vol. 3, no. 3, p. 184, August, 1922.

33392. Skin and skull. Adult female. Ironside, Malheur County, Oregon. Altitude, 4600 feet. September 10, 1912. Collector: H. E. Anthony. Original number 274.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 207 mm.; tail vertebrae, 90; hind foot, 32. Skull: greatest length, 32.5; zygomatic breadth, 18; length of maxillary tooth row, 5.3.

Tamias frater J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 3, no. 1, art. 4, pp. 88–90, June, 1890.
= *Eutamias quadrivittatus frater* (Allen). According to A. H. Howell, North Amer. Fauna, no. 52, p. 86, November, 1929.

1308/571. Skin and skull. Adult female. Donner, California. June 7, 1888. Collector: C. A. Allen. Original number 252.

Skin in fair condition. Skull lacking right zygomatic arch and right side of mandible.

MEASUREMENTS: Skin: total length, 9 1/4 inches; tail vertebrae, 4 1/4 inches. Skull: greatest length, 35.7; length of maxillary tooth row, 5.

Eutamias adsitus[1] J. A. Allen
Mus. Brooklyn Inst. Arts and Sci., Sci. Bull., vol. 1, no. 5, p. 118, March 31, 1905.
= *Eutamias quadrivittatus adsitus* Allen. According to Hardy, Proc. Biol. Soc. Washington, vol. 58, p. 87, June 30, 1945.

28728. Skin and skull. Adult, not sexed. "Briggs" [Britts] Meadows, Beaver Range Mountains, Utah. Altitude, 10,000 feet. August 20, 1904. Collector: G. P. Engelhardt. This specimen has a type label in Allen's handwriting and an original Brooklyn Museum label.

Skin in fair condition. Skull damaged but repaired, lacking left zygoma and right bulla.

MEASUREMENTS: Skin (dry): total length, 230 mm.; tail vertebrae, 95; hind foot, 31. Skull: greatest length, 34.7; length of maxillary tooth row, 5.2.

147870. Skin and skull. Adult female. Locality and date and collector same as for No. 28728. Original Brooklyn Museum label is numbered "391 [452]" and is marked type specimen with publication reference.

Skin in rather poor condition, lacking posterior part of tail. Skull mutilated but partly restored.

This may be the type, as Engelhardt remarked, "I shot one, mutilating it greatly."

MEASUREMENTS: Skin (dry): head and body, 142 mm.; hind foot, 31.2. Skull: greatest length, 35.2; length of maxillary tooth row, 4.9.

Tamias asiaticus bulleri J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 2, no. 3, art. 16, pp. 173–176, October 21, 1889.
= *Eutamias* [*bulleri*] *bulleri* (Allen). According to

[1] There are two type specimens identical in size and color with the same Brooklyn Museum number, though Engelhardt reportedly collected only one from the type locality.

Miller and Rehn, Proc. Boston Soc. Nat. Hist., vol. 30, p. 40, December 27, 1901.

1972/1241, 1973/1242: cotypes. Skins and skulls. Adult females. Sierra de Valparaiso, Zacatecas, Mexico, August 2, 1889. Collector: Audley Buller. Original numbers 53, 54.

Skins in fair condition. Skulls complete.

MEASUREMENTS: Skins (dry): total length, 222 mm. 215; tail vertebrae, 87.3, 89; hind foot, 33.5, 33. Skulls: greatest length, 37.8, 37.5; zygomatic breadth, 20.4, 20; length of maxillary tooth row, 5.8, 6.

Eutamias durangae J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 19, art. 24, pp. 594–595, November 12, 1903.

= *Eutamias bulleri durangae* Allen. According to A. H. Howell, Jour. Mammal., vol. 3, no. 3, p. 184, August, 1922.

21410. Skin and skull. Adult female. Arroyo de Bucy, Sierra de Candella, Durango, Mexico. Altitide, about 7500 feet. May 29, 1903. Collector: J. H. Batty. Original number 604.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 239.7; tail vertebrae, 98.4; hind foot, 31. Skull: greatest length, 38.6; zygomatic breadth, 21; length of maxillary tooth row, 6.

Tamias asiaticus merriami J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 2, no. 3, art. 16, pp. 176–178, October 21, 1889.

= *Eutamias* [*merriami*] *merriami* (Allen). According to Merriam, Proc. Biol. Soc. Washington, vol. 11, p. 194, July 1, 1897.

1157/728. Skin and skull. Adult female. San Bernardino Mountains, due north of San Bernardino, California. Altitude, 4500 feet. June 13 (not 10 of type description), 1887. Collector: F. Stephens. Original number 482.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: head and body, 5.5 inches; tail vertebrae, 4.8 inches; hind foot, 33 mm. Skull: greatest length, 40.5 mm.; zygomatic breadth, 21; length of maxillary tooth row, 7.

Tamias pricei J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 7, art. 10, pp. 333–335, November 8, 1895.

= *Eutamias merriami pricei* (Allen). According to A. H. Howell, Jour. Mammal., vol. 3, no. 3, p. 185, August, 1922.

11288/9552. Skin and skull. Adult male. Portola, San Mateo County, California. April 12, 1895. Collector: J. Diefenbach. Original number 511.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 256 mm.; tail vertebrae, 124; hind foot, 36. Skull: greatest length, 38.5; zygomatic breadth, 20; length of maxillary tooth row, 5.7.

Eutamias canescens J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 20, art. 17, pp. 208–209, May 28, 1904.

= *Eutamias dorsalis dorsalis* (Baird). According to A. H. Howell, Jour. Mammal., vol. 3, no. 3, p. 185, August, 1922.

23852. Skin and skull. Adult female. Guanacevi, Durango, Mexico. Altitude, 8000 feet. October 9, 1903. Collector: J. H. Batty. Original number 944.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 254 mm.; tail vertebrae, 114; hind foot, 35. Skull: greatest length, 38; zygomatic breadth, 20; length of maxillary tooth row, 5.1.

Eutamias albogularis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 26, art. 29, pp. 429–430, October 21, 1909.

= *Eutamias sibiricus albogularis* Allen. According to G. M. Allen, The mammals of China and Mongolia, Natural history of Central Asia, vol. 11, pt. 2, p. 696, September 3, 1940.

27565. Skin and skull. Adult male. Taipai Shan ("Tai-pa-shiang"), Shensi, China. July 13, 1905. Purchased from Alan Owston, taken by his agents.

Skin in good condition. Skull lacking occipital and basicranial regions.

MEASUREMENTS: Skin (dry): head and body, 160 mm.; tail vertebrae, 120; hind foot, 40. Skull: length of maxillary tooth row, 7.

GENUS **PETAURISTA** LINK

Petaurista petaurista rufipes G. M. Allen

Amer. Mus. Novitates, no. 163, pp. 13–14, April 2, 1925.

57372. Originally erroneously labeled and described as No. 58224. Skin and skull. Adult male. Yungan, Fukien, China. September 26, 1921 Collector: H. R. Caldwell. Original number 337.

Skin in poor condition. Skull lacking upper portion of braincase.

MEASUREMENTS: Skin (dry): head and body, 375 mm.; tail vertebrae, 330; hind foot, 74. Skull: greatest length, 63.5; zygomatic breadth, 43.2; length of maxillary tooth row, 14.

Petaurista hainana G. M. Allen
Amer. Mus. Novitates, no. 163, pp. 14–15, April 2, 1925.
= *Petaurista* (?) *petaurista hainana* Allen. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 462, November 19, 1951.

58200. Skin and skull. Adult female. Nam Fong, Island of Hainan, China. February 19, 1923. Collector: Clifford Pope. Third Asiatic Expedition. Original number 754.

Skin in good condition. Skull lacking both front upper premolars.

MEASUREMENTS: Skin: head and body, 445 mm.; tail vertebrae, 595; hind foot, 84. Skull: greatest length, 75; zygomatic breadth, 49; length of maxillary tooth row, 17.

Petaurista cineraceus stockleyi Carter
Amer. Mus. Novitates, no. 674, p. 1, November 6, 1933.
= *Petaurista petaurista stockleyi* Carter. According to Ellerman, The families and genera of living rodents, vol. 3, pt. 1, p. 11, March, 1949.

55836. Skin. Adult male. Melamoung, northwestern Siam. Altitude, 2000 feet. March 11, 1933. Collector: C. H. Stockley, procured from a native.

Skin in good condition.

MEASUREMENTS: Skin (dry): total length, 980 mm.; tail vertebrae, 450; hind foot, 82.

GENUS **HYLOPETES** THOMAS

Pteromys (Petinomys) electilis G. M. Allen
Amer. Mus. Novitates, no. 163, p. 16, April 2, 1925.
= *Hylopetes electilis* (Allen). Cranial characters of *P. electilis* Allen are referable to the genus *Hylopetes*.

58177. Skin and skull. Adult female. Nam Fong, Island of Hainan, China. April, 1923. Collector: Clifford Pope. Third Asiatic Expedition. Original number 857.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: head and body, 172 mm.; tail vertebrae, 159; hind foot, 35. Skull: greatest length, 41.5; zygomatic breadth, 25; length of maxillary tooth row, 8.

GENUS **PETINOMYS** THOMAS

Pteromys (Olisthomys) morrisi Carter
Amer. Mus. Novitates, no. 1208, p. 2, November 12, 1942.
= *Petinomys* [*morrisi*] (Carter). According to Ellerman, The families and genera of living rodents, vol. 3, pt. 1, p. 14, March, 1949.

113031. Skin and skull. Adult female. Dalu (Taro) (latitude 29° 21′ N., longitude 96° 11′ E.), northern Burma. Altitude, 600 feet. February 15, 1935. Collector: H. C. Raven. Vernay-Hopwood Chindwin Expedition. Original number 242.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 258 mm.; tail vertebrae, 123; hind foot 26. Skull: greatest length, 32.1; zygomatic breadth, 19.5; length of maxillary tooth row, 5.8.

GENUS **GLAUCOMYS** THOMAS

Glaucomys volans underwoodi Goodwin
Amer. Mus. Novitates, no. 898, pp. 1–2, December 31, 1936.

123372. Skin and skull. Adult male. Zambrano, Tegucigalpa, Honduras, a village on the main road to Lake Yojoa and the north coast, halfway between Tegucigalpa and Comayagua. Altitude, 4500 feet. March 21, 1935. Collector: C. F. Underwood. Original number 1252.

Skin in good condition. Skull with zygomatic arches and base of braincase crushed.

MEASUREMENTS: Skin: head and body, 136 mm.; tail vertebrae, 105; hind foot, 29. Skull: greatest length, 35.7; length of maxillary tooth row, 6.5.

FAMILY **GEOMYIDAE** GILL

GENUS **GEOMYS** RAFINESQUE

Geomys personatus fuscus Davis
Texas Agric. Exp. Station Bull., no. 590, pp. 30–31, August, 1940.

12691/10985. Skin and skull. Adult male. Fort Clark [Brackettville], Kinney County, Texas. February 6, 1893. Collector: E. A. Mearns. Original number 2274.

Skin in fair condition, epidermis slipped on abdomen. Skull complete.

MEASUREMENTS: Skin: total length, 229 mm.; tail vertebrae, 68; hind foot, 30. Skull:

greatest length, 39; zygomatic breadth, 22.2; length of maxillary tooth row, 7.7.

GENUS **THOMOMYS** WIED

Thomomys fulvus martirensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 10, p. 147, April 12, 1898.
= *Thomomys martirensis* Allen. According to Bailey, North Amer. Fauna, no. 39, p. 67, November 15, 1915.

6370/5004. Skin and skull. Adult male. San Pedro Martir Mountains, Lower California, Mexico. Altitude, 8200 feet. May 17, 1893. Collectors: A. W. Anthony and E. C. Thurber. Original number 58.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 248 mm.; tail vertebrae, 67; hind foot (dry), 31. Skull: greatest length, 44; zygomatic breadth, 25.5; length of maxillary tooth row, 8.

Thomomys aureus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 5, art. 5, pp. 49–51, April 28, 1893.
= *Thomomys bottae aureus* Allen. According to Goldman, Proc. Biol. Soc. Washington, vol. 48, p. 156. October 31, 1935.

5243/4123. Skin and skull. Adult male. Bluff City, San Juan County, Utah. Altitude, 4500 feet. May 12, 1892. Collector: C. P. Rowley. Original number 162.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 9 1/8 inches; tail vertebrae, 2 1/2 inches; hind foot, 1 3/8 inches. Skull: greatest length, 40 mm.; zygomatic breadth, 23.5; length of maxillary tooth row, 8.5.

Thomomys cervinus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 7, art. 6, pp. 203–204, June 29, 1895.
= *Thomomys bottae cervinus* Allen. According to Goldman, Proc. Biol. Soc. Washington, vol. 48, p. 156, October 31, 1935.

10277/8590. Skin and skull. Adult male. Phoenix, Maricopa County, Arizona. October 30, 1894. Collector: J. Diefenbach. Price Collection. Original number 26.

Skin in good condition. Skull lacking bullae and occipital region.

MEASUREMENTS: Skin: total length, 228 mm.; tail vertebrae, 63; hind foot, 28. Skull: greatest length, 44.5; zygomatic breadth, 27.5; length of maxillary tooth row, 8.5.

Thomomys toltecus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 5, art. 5, pp. 52–53, pl. 1, fig. 3, April 28, 1893.
= *Thomomys bottae toltecus* Allen. According to Goldman, Proc. Biol. Soc. Washington, vol. 48, p. 157, October 31, 1935.

5440/4305. Skin and skull. Adult. Colonia Juarez on the Casas Grandes River, northeastern Chihuahua, Mexico. Labeled "Juarez, N. Sonora." Altitude, about 4500 feet. Fall of 1890. Collector: F. Robinette (A. D. Meed was given as collector in original description). Lumholtz Expedition.

Skin in fair condition. Skull lacking left zygomatic arch and occipital region.

MEASUREMENTS: Skin (dry): total length, 230 mm.; tail vertebrae, 60; hind foot, 27. Skull: greatest length, 43.5; zygomatic breadth, 27; length of maxillary tooth row, 8.8.

Thomomys rufescens Wied
Nova Acta Phys. Med. Acad. Caes. Leopoldino-Carolinae, vol. 19, pt. 1, p. 378, 1839.
= *Thomomys talpoides rufescens* Wied. According to Bailey, North Amer. Fauna, no. 39, p. 98, November 15, 1915.

636. Skin and skull. Adult male. "Minnetaree Village" (about 6 miles south of Stanton, on west side of the Missouri River), now Old Fort Clark, Oliver County, North Dakota. 1833. Collector: Maximilian, Prince of Wied.

A mounted specimen with skull inside, much faded but in fair condition. The old original label from the base, now lost, bore the legend "Thomomys rufescens' Wied, Machtohpka indigen," and also "Mas Missouri."

MEASUREMENTS: Skin: hind foot, 30 mm.

Thomomys fossor J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 5, art. 5, pp. 51–52, pl. 1, fig. 10, April 28, 1893.

5240/4120. Skin and skull. Adult male. Florida, La Plata County, Colorado. Altitude, 7200 feet. June 25, 1892. Collector: C. P. Rowley. Original number 299.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin (dry): total length, 285 mm.; tail vertebrae, 60; hind foot, 27.8. Skull: greatest length, 40 mm.; zygomatic breadth, 21.8; length of maxillary tooth row, 8.

GENUS **MACROGEOMYS** MERRIAM

Geomys cherriei J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 5, art. 20, pp. 337–338, December 16, 1893.
= *Macrogeomys [cherriei] cherriei* (Allen). According to Merriam, North Amer. Fauna, no. 8, p. 194, January 31, 1895.

10768/9067. Skin and skull. Adult male. Santa Clara, Province of Limón, Costa Rica. October, 1892. Collector: G. K. Cherrie. Museo Nacional de Costa Rica number 664.

Skin in poor condition. Skull lacking left upper incisor and first right lower molar.

MEASUREMENTS: Skin (dry): total length, 275 mm.; tail vertebrae, 80; hind foot, 38.5. Skull: greatest length, 53; zygomatic breadth, 33.7; length of maxillary tooth row, 11.6.

Macrogeomys cherriei carlosensis Goodwin
Amer. Mus. Novitates, no. 1227, p. 3, April 22, 1943.

141944. Skin and skull. Adult male. Cataratos (a small town on the San Carlos River), Province of Alajuela, Costa Rica. Altitude, about 400 feet. May 4, 1942. Collector: C. F. Underwood. Original number 4254.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 323 mm.; tail vertebrae, 88; hind foot, 41. Skull: greatest length, 60.5; zygomatic breadth, 39.2; length of maxillary tooth row, 13.

Macrogeomys matagalpae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 28, art. 9, pp. 97–98, April 30, 1910.

28964. Skin and skull. Adult male. Peña Blanca, Matagalpa, Nicaragua. June 19, 1908. Collector: W. B. Richardson. Original number 290.

Skin in good condition. Skull badly crushed, lacking postorbital portions.

MEASUREMENTS: Skin: total length, 320 mm.; tail vertebrae, 80; hind foot, 40. Skull: length of maxillary tooth row, 12.5.

Macrogeomys heterodus cartagoensis Goodwin
Amer. Mus. Novitates, no. 1227, pp. 2–3, April 22, 1943.

139268. Skin and skull. Adult male. Paso Ancho (a small town between Cartago and Pacayas, east of the divide on the Atlantic watershed), Province of Cartago, Costa Rica. Altitude, about 4800 feet. January 4, 1941. Collector: C. F. Underwood. Original number 3730.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 350 mm.; tail vertebrae, 59 (dry, 76.8); hind foot, 51. Skull: greatest length, 68; zygomatic breadth, 39.7; length of maxillary tooth row, 14.4.

FAMILY **HETEROMYIDAE** ALLEN AND CHAPMAN

GENUS **PEROGNATHUS** WIED

Perognathus merriami J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 4, no. 1, art. 3, pp. 45–46, March 25, 1892.

4145/3177. Skin and skull. Adult male. Brownsville, Cameron County, Texas. August 10, 1891. Collector: F. B. Armstrong. Original number 42.

Skin in good condition. Skull lacking part of zygomatic arch on right side.

MEASUREMENTS: Skin: total length, 124 mm.; tail vertebrae, 58; hind foot, 18. Skull: greatest length, 20.3; zygomatic breadth, 11.1; length of maxillary tooth row, 2.5.

Perognathus mearnsi J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 8, art. 14, p. 237, November 21, 1896.
= *Perognathus [merriami] merriami* Allen. According to Osgood, North Amer. Fauna, no. 18, p. 21, September 20, 1900.

11957/10395. Skin and skull. Adult male. Watson's Ranch, 15 miles southwest of San Antonio, Texas. November 20, 1895. Collector: H. P. Attwater. Original number 110.

Skin in good condition. Skull not located.

MEASUREMENTS: Skin: total length, 4.30 inches; tail vertebrae, 2.05 inches; hind foot, 0.55 inch. Skull: greatest length, 18.5 mm.; zygomatic breadth, 11.

Perognathus flavus sanluisi Hill
Amer. Mus. Novitates, no. 1212, p. 1, December 7, 1942.

137669. Skin and skull. Adult female. San Luis Valley, 9 miles east of Center, 20 miles northwest of Alamosa, Alamosa County, Colorado. Altitude, 7580 feet. August 18, 1940. Collector: P. E. Crowe. Original number 820.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 109 mm.; tail vertebrae, 46; hind foot, 15. Skull: greatest length, 20; zygomatic breadth, 9.6; length of maxillary tooth row, 3.

Perognathus pricei J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 6, art. 13, p. 318, November 7, 1894.
= *Perognathus penicillatus pricei* Allen. According to Osgood, North Amer. Fauna, no. 18, p. 47, September 20, 1900.

8359/6685. Skin and skull. Adult male. Oposura, Sonora, Mexico, May 31, 1894. Collector: B. C. Condit. Price Collection. Original number 1687.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 157 mm.; tail vertebrae, 90; hind foot, 23. Skull: greatest length, 22.4; zygomatic breadth, 11.8; length of maxillary tooth row, 3.3

Perognathus (Chaetodipus) femoralis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 3, no. 2, art. 20, p. 281, June 30, 1891.

3386/2659. Skin and skull. Adult male. Dulzura, San Diego County, California. February 12, 1891. Collector: C. H. Marsh.
Skin in fair condition. Skull complete.
MEASUREMENTS: Skin: head and body, 3 1/2 inches; tail vertebrae, 6 inches; hind foot (dry), 27.5 mm. Skull: greatest length, 27.4 mm.; zygomatic breadth, 13.8; length of maxillary tooth row, 3.7.

Perognathus conditi J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 6, art. 13, pp. 318–319, November 7, 1894.
= *Perognathus hispidus paradoxus* Merriam. According to Osgood, North Amer. Fauna, no. 18, p. 44, September 20, 1900.

8360/6686. Skin and skull. Adult male. San Bernardino Ranch, southeastern corner of Cochise County, Arizona. March 23, 1894. Collector: B. C. Condit. Price Collection. Original number 1505.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 197 mm.; tail vertebrae, 88; hind foot, 24.5. Skull: total length, 28.8; zygomatic breadth, 14.6; length of maxillary tooth row, 3.8.

GENUS **DIPODOMYS** GRAY

Dipodomys merriami Mearns
Bull. Amer. Mus. Nat. Hist., vol. 2, no. 4, art. 20, pp. 290–291, February 21, 1890.

2394/? Skin and skull. Adult male. New River, between Phoenix and Prescott, Maricopa County, Arizona. May 16, 1885. Collector: E. A. Mearns. Original number 194.
Skin in fair condition. Skull not located and not catalogued but referred to in type description.
MEASUREMENTS: Skin: total length, 259 mm.; tail vertebrae, 149; hind foot, 36.

Dipodomys chapmani Mearns
Bull. Amer. Mus. Nat. Hist., vol. 2, no. 4, art. 20, pp. 291–294, February 21, 1890.
= *Dipodomys ordii chapmani* Mearns. According to Grinnell, Jour. Mammal., vol. 2, no. 2, p. 96, May 2, 1921.

2400/10560 (cotype). Skin and skull. Adult male. January 26, 1887. Fort Verde, Yavapai County, Arizona. Collector: E. A. Mearns. Original number 483.
2398/10561 (cotype). Skin and skull. Adult female. October 1, 1885. Fort Verde, Arizona. Collector: E. A. Mearns. Original number 250.
Skins in good condition. Skulls complete.
MEASUREMENTS: Skins: total length, 256, 280 mm.; tail vertebrae, 137, 148; hind foot, 36, 38. Skulls: greatest length, 36.8, 37; greatest breadth, 23.2, 22.7; length of maxillary tooth row, 4.4, 4.5.

Perodipus obscurus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 19, art. 24, pp. 603–604, November 12, 1903.
= *Dipodomys ordii obscurus* (Allen). According to Grinnell, Jour. Mammal., vol. 2, no. 2, p. 96, May 2, 1921.

20957. Skin and skull. Adult male. Rio Sestin, northwest Durango, Mexico. April 13, 1903. Collector: J. H. Batty. Original number 440.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 232 mm.; tail vertebrae, 130; hind foot, 31.7 (dry, 36). Skull: greatest length, 36; greatest breadth, 23; length of maxillary tooth row, 4.5.

Dipodops richardsoni J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 3, no. 2, art. 20, pp. 277–279, June 30, 1891.
= *Dipodomys ordii richardsoni* Allen. According to Grinnell, Jour. Mammal., vol. 2, no. 2, p. 96, May 2, 1921.

3025/2345. Skin and skull. Adult male. Beaver River, Beaver County, Oklahoma. October 26, 1889. Collectors: J. Richardson and J. Rowley, Jr. Original number 603.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin (dry): total length, 239; tail vertebrae, 134; hind foot, 40. Skull: greatest length, 40.5; greatest breadth, 25; length of maxillary tooth row, 4.8.

Dipodops sennetti J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 3, no. 2, art. 15, pp. 226–227, April 29, 1891.

= *Dipodomys sennetti* (Allen). According to Grinnell, Jour. Mammal., vol. 2, no. 2, p. 96, May 2, 1921.

3478/2733. Skin and skull. Adult male. Santa Rosa, Cameron County, Texas, 85 miles southwest of Corpus Christi. The type description has "near Brownsville" as the type locality, but in a letter Priour gives the above locality. March 9, 1888. Collector: J. M. Priour. G. B. Sennett Collection. Original number 535.

Skin in fair condition, tail in bad condition. Skull lacking right zygomatic arch.

MEASUREMENTS: Skin (dry): hind foot, 35. Skull: greatest length, 38.2; greatest breadth, 23; length of maxillary tooth row, 4.6.

GENUS LIOMYS MERRIAM

Heteromys hispidus J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 9, art. 5, pp. 56–57, March 15, 1897.

= *Liomys [pictus] pictus* (Thomas). According to Goldman, North Amer. Fauna, no. 34, p. 33, September 7, 1911.

8333/6667. Skin and skull. Adult female. Rancho El Colomo, Compostela, Nayarit, Mexico. February 11, 1893. Collector: A. C. Buller. Original number 6.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin (dry): total length, 185 mm.; tail vertebrae, 100; hind foot, 26. Skull: greatest length, 30.5; zygomatic breadth, 14.1; length of maxillary tooth row, 4.8.

Heteromys pictus escuinapae J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 22, art. 12, pp. 211–212, July 25, 1906.

= *Liomys pictus escuinapae* (Allen). According to Goldman, North Amer. Fauna, no. 34, p. 35, September 7, 1911.

24502. Skin and skull. Adult male. Escuinapa, Sinaloa, Mexico. February 3, 1904. Collector: J. H. Batty. Original number 1008.

Skin in good condition. Skull complete, teeth well worn.

MEASUREMENTS: Greatest length, 8 1/2 inches; tail vertebrae, 4 1/4 inches; hind foot, 15/16 inch. Skull: greatest length, 29.8 mm.; zygomatic breadth, 14.1; length of maxillary tooth row, 4.8.

Heteromys vulcani J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 24, art. 34, p. 652, October 13, 1908.

= *Liomys vulcani* (Allen). According to Goldman, North Amer. Fauna, no. 34, p. 48, September 7, 1911.

28315. Skin and skull. Adult female. Volcan de Chinandega, Nicaragua. Altitude, about 4000 feet. May 7, 1909. Collector: W. B. Richardson. Original number 62.

Skin in fair condition. Skull lacking left zygomatic arch.

MEASUREMENTS: Skin: total length, 220 mm.; tail vertebrae, 110; hind foot, 25. Skull: greatest length, 31; length of maxillary tooth row, 5.

Liomys anthonyi Goodwin

Amer. Mus. Novitates, no. 528, p. 2, May 23, 1932.

79255. Skin and skull. Adult female. Sacapulas, central Guatemala. Altitude, 4500 feet. February 7, 1928. Collector: A. W. Anthony. Original number 828.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 260 mm.; tail vertebrae, 133; hind foot, 32. Skull: greatest length, 34.1; zygomatic breadth, 15.35; length of maxillary tooth row, 5.1.

Heteromys jaliscensis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 22, art. 12, pp. 251–252, July 25, 1906.

= *Liomys irroratus jaliscensis* (Allen). According to Goldman, North Amer. Fauna, no. 34, p. 60, September 7, 1911.

26325. Skin and skull. Adult male. Las Canoas, about 20 miles west of Zapotlan, Jalisco, Mexico. Altitude, 7000 feet. August 6, 1905. Collector: J. H. Batty. Original number 2385.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 9 1/8 inches; tail vertebrae, 4 3/8 inches; hind foot, 1 inch. Skull: greatest length, 31.5 mm.; zygomatic breadth, 14.8; length of maxillary tooth row, 5.2.

GENUS **HETEROMYS** DESMAREST

Heteromys desmarestianus underwoodi Goodwin
Amer. Mus. Novitates, no. 1227, pp. 1–2, April 22, 1943.

131729. Skin and skull. Adult male. Escazu, a small town 7 miles southwest of San José, Province of San José, Costa Rica. Altitude, 3000 feet. April 28, 1938. Collector: C. F. Underwood. Original number 3089.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 284 mm.; tail vertebrae, 148 (dry, 155); hind foot, 30. Skull: greatest length, 34.5; zygomatic breadth, 15.6; length of maxillary tooth row, 5.

Heteromys gaumeri J. A. Allen and Chapman
Bull. Amer. Mus. Nat. Hist., vol. 9, art. 1, pp. 9–11, February 23, 1897.

12028/10461. Skin and skull. Adult male. Chichen-Itza, Yucatan, Mexico. March 17, 1896. Collector: F. M. Chapman.

Skin in good condition. Skull cut off behind interorbital region.

MEASUREMENTS: Skin: total length, 292 mm.; tail vertebrae, 163; hind foot, 32. Skull: length of maxillary tooth row, 4.7.

Heteromys fuscatus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 24, art. 34, pp. 652–653, October 13, 1908.
= *Heteromys desmarestanus fuscatus* Allen. According to Goldman, Jour. Washington Acad. Sci., vol. 27, no. 10, p. 419, October 15, 1937.

28451. Skin and skull. Adult male. Tuma, Nicaragua. December 1, 1907. Collector: W. B. Richardson. Original number 153.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 300 mm.; tail vertebrae, 150; hind foot, 30. Skull: greatest length, 36.5; zygomatic breadth, 17; length of maxillary tooth row, 5.2.

Heteromys jesupi J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 12, art. 16, pp. 201–203, December 20, 1899.

15347. Skin and skull. Adult female. Below Minca, Santa Marta District, Colombia. Altitude, 1000 feet. July 30, 1899. Collector: Mrs. H. H. Smith. Morris Jesup Santa Marta Expedition. Original number 1025.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 330 mm.; tail vertebrae, 163; hind foot, 33. Skull: greatest length, 36.5; zygomatic breadth, 16.5; length of maxillary tooth row, 5.5.

Heteromys lomitensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 31, art. 7, p. 77, April 19, 1912.

32240. Skin and skull. Adult female. Las Lomitas, Cauca, Colombia. Altitude, 5000 feet. West side of Andes. March 1, 1911. Collector: W. B. Richardson. Original number 87.

Skin in fair condition. Skull complete (the type label specifies "no skull").

MEASUREMENTS: Skin: total length, 250 mm.; tail vertebrae, 130; hind foot, 30. Skull: greatest length, 35; zygomatic breadth, 16; length of maxillary tooth row, 4.5.

FAMILY **CASTORIDAE** GRAY

GENUS **CASTOR** LINNAEUS

Castor canadensis carolinensis Rhoads
Trans. Amer. Phil. Soc., new ser., vol. 19, p. 420, September, 1898.

16601. Skin and skull. Adult male. Dan River, near Danbury, Stokes County, North Carolina. April 7, 1897. Collector: H. H. Brumley. Original number 607. (Exchange with North Carolina State Museum.)

Skin in good condition, lacking right front leg. Skull lacking last upper left molar.

MEASUREMENTS: Skin: total length, 3 feet, 8 1/2 inches; tail, 11 by 6 3/8 inches. Skull: greatest length, 143 mm.; zygomatic breadth, 106; length of maxillary tooth row, 34.

FAMILY **ANOMALURIDAE** GILL

GENUS **ANOMALUROPS** MATSCHIE

Anomalurops beecrofti chapini J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 47, art. 2, pp. 65–67, October 27, 1922.

50480. Skin and skull. Adult male. Medje, Belgian Congo. May 6, 1910. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 861.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 512 mm.; tail vertebrae, 202; hind foot, 59. Skull: greatest length, 54.5; zygomatic breadth, 34.4; length of maxillary tooth row, 11.9.

GENUS **IDIURUS** MATSCHIE

Idiurus langi J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 47, art. 11, pp. 69–70, October 27, 1922.

50542. Skin and skull. Adult male. Medje, Belgian Congo. March 16, 1910. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 737.

Skin in good condition. Skull lacking all molar teeth except first and last upper molars on right and left side and first lower right molar.

MEASUREMENTS: Skin: total length, 224 mm.; tail vertebrae, 130; hind foot, 20. Skull: greatest length, 26; zygomatic breadth, 16; length of maxillary tooth row, 3.5.

Idiurus panga J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 47, art. 2, pp. 70–71, October 27, 1922.

50605. Skin and skull. Adult female. Panga, Belgian Congo. September 18, 1914. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 2552.

Skin in fair condition, lacking entire tail. Skull lacking interparietal.

MEASUREMENTS: Skin: total length, 209 mm.; tail vertebrae, 126; hind foot, 20. Skull: greatest length, 25.2; zygomatic breadth, 14.8; length of maxillary tooth row, 3.5.

FAMILY **CRICETIDAE** ROCHEBRUNE

GENUS **ORYZOMYS** BAIRD

SUBGENUS **ORYZOMYS** BAIRD

Oryzomys palustris natator Chapman

Bull. Amer. Mus. Nat. Hist., vol. 5, art. 4, pp. 44–46, March 17, 1893.

1813/1089. Skin and skull. Adult male. Gainesville, Alachua County, Florida. January 31, 1889. Collector: F. M. Chapman. Original number 115.

Skin in good condition. Skull complete except for broken zygomatic arches.

MEASUREMENTS: Skin: total length, 295 mm.; tail vertebrae, 143; hind foot (dry), 33. Skull: greatest length, 33.5; zygomatic breadth, 17.5; length of maxillary tooth row, 4.9.

Oryzomys palustris texensis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 6, art. 6, pp. 177–179, May 31, 1894.

7166/5764. Skin and skull. Adult male. Rockport, Aransas County, Texas. November 15, 1893. Collector : H. P. Attwater. Original number 81.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 277 mm.; tail vertebrae, 139; hind foot, 30.5. Skull: greatest length, 31.5; zygomatic breadth, 15.5; length of maxillary tooth row, 4.4.

Oryzomys jalapae J. A. Allen and Chapman

Bull. Amer. Mus. Nat. Hist., vol. 9, art. 13, pp. 206–207, June 16, 1897.

= *Oryzomys couesi couesi* (Alston). According to Goldman, North Amer. Fauna, no. 43, p. 29, September 23, 1918.

12551/10861. Skin and skull. Adult male. Jalapa, Veracruz, Mexico. Altitude, 4400 feet. April 16, 1897. Collector: F. M. Chapman. Original number 1262.

Skin in good condition. Skull complete except for last upper and lower left molars.

MEASUREMENTS: Skin: total length, 278 mm.; tail vertebrae, 140; hind foot, 30. Skull: greatest length, 31.8; zygomatic breadth, 15.9; length of maxillary tooth row, 4.8.

Oryzomys richardsoni J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 28, art. 9, p. 99, April 30, 1910.

= *Oryzomys couesi couesi* (Alston). According to Goldman, North Amer. Fauna, no. 43, p. 30, September 23, 1918.

29800. Skin and skull. Semi-adult male. Pena Blanca, Nicaragua. May 25, 1909. Collector: W. B. Richardson. Original number 546.

Skin in good condition. Skull with incisors broken and left side of rostrum crushed.

MEASUREMENTS: Skin: total length, 270 mm.; tail vertebrae, 150; hind foot, 32.5. Skull: greatest length, 31; length of maxillary tooth row, 4.5.

Oryzomys mexicanus J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 9, art. 5, pp.

52–53, March 15, 1897.
= *Oryzomys couesi mexicanus* Allen. According to Goldman, North Amer. Fauna, no. 43, p. 33, September 23, 1918.

2650/2128. Skin and skull. Adult male. Hacienda San Marcos, Tonila, Jalisco, Mexico. Altitude, 3500 feet. December 30, 1889. Collector: A. C. Buller. Original number 122.

Skin in good condition. Skull crushed in occipital region but repaired.

MEASUREMENTS: Skin (dry): total length, 279 mm.; tail vertebrae, 142; hind foot, 30. Skull: greatest length, 31; length of maxillary tooth row, 4.8.

Oryzomys bulleri J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 9, art. 5, pp. 53–54, March 15, 1897.
= *Oryzomys couesi mexicanus* Allen. According to Goldman, North Amer. Fauna, no. 43, p. 33, September 23, 1918.

8329/6663. Skin and skull. Subadult male. Valle de Banderas, Territory of Tepic, Nayarit, Mexico. February 18, 1893. Collector: A. C. Buller. Original number 8.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin (dry): total length, 242 mm.; tail vertebrae, 127; hind foot, 27. Skull: greatest length, 27.8; zygomatic breadth, 14.5; length of maxillary tooth row, 4.5.

Oryzomys aquaticus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 3, art. 20, pp. 289–290, June 30, 1891.
= *Oryzomys couesi aquaticus* Allen. According to Goldman, North Amer. Fauna, no. 43, p. 39, September 23, 1918.

3411/2684. Skin and skull. Adult male. Brownsville, Cameron County, Texas. March 6, 1891. Collector: F. B. Armstrong. Original number 729.

Skin in good condition. Skull lacking occipital region.

MEASUREMENTS: Skin: total length, 11 2/5 inches; tail vertebrae, 5 1/2 inches; hind foot (dry), 31 mm. Skull: greatest length, 32.5 mm.; zygomatic breadth, 17.9; length of maxillary tooth row, 5.3.

Alfaroi GROUP

Hesperomys (Oryzomys) alfaroi J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 3, no. 2, art. 14, pp. 214–215, April 17, 1891.
= *Oryzomys alfaroi alfaroi* (Allen). According to Goldman, North Amer. Fauna, no. 43, p. 59, September 23, 1918.

3659/2808. Skin and skull. Subadult female. San Carlos, Costa Rica. December, 1888. Collector: A. Alfaro. Museo Nacional de Costa Rica number 353.

Skin in fair condition, tail incomplete. Skull cut off behind zygomatic arches.

MEASUREMENTS: Skin (dry): total length, 161 mm.; tail vertebrae, 59; hind foot, 26.2. Skull: zygomatic breadth, 13.3; length of maxillary tooth row, 3.7.

Oryzomys alfaroi incertus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 24, art. 34, p. 655, October 13, 1908.
= *Oryzomys alfaroi alfaroi* (Allen). According to Goldman, North Amer. Fauna, no. 43, p. 59, September 23, 1918.

28584. Skin and skull. Subadult male. Rio Grande, Nicaragua. March 28, 1908. Collector: W. B. Richardson. Original number 228.

Skin in fair condition. Skull with braincase crushed and lacking all upper molars but one.

MEASUREMENTS: Skin: total length, 190 mm.; tail vertebrae, 100; hind foot, 20.5. Skull: greatest length, 26; zygomatic breadth, 14; length of maxillary tooth row, 3.9.

Balneator GROUP

Oryzomys balneator hesperus Anthony
Amer. Mus. Novitates, no. 139, pp. 7–8, October 20, 1924.

47583. Skin and skull. Adult male. El Chiral, western Andes, Province of El Oro, Ecuador. Altitude, 5350 feet. July 22, 1920. Collector: H. E. Anthony. Original number 1690.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 221 mm.; tail vertebrae, 127; hind foot, 27. Skull: greatest length, 24.5; zygomatic breadth, 12.9; length of maxillary tooth row, 3.2.

Talamancae GROUP

Oryzomys carrikeri J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 24, art. 34, pp. 656–657, October 13, 1908.
= *Oryzomys talamancae* Allen. According to Gold-

man, North Amer. Fauna, no. 43, p. 73, September 23, 1918.

25976. Skin and skull. Adult female. Rio Sicsola, Talamanca, Costa Rica. August 18, 1904. Collector M. A. Carriker, Jr. Original number 1112.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 265 mm.; tail vertebrae, 133; hind foot, 30.5. Skull: greatest length, 31.7; zygomatic breadth, 14.5; length of maxillary tooth row, 4.5.

Laticeps GROUP

Oryzomys velutinus J. A. Allen and Chapman
Bull. Amer. Mus. Nat. Hist., vol. 5, art. 13, pp. 214–215, September 21, 1893.
= *Oryzomys laticeps velutinus* Allen and Chapman. According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, p. 190, October 20, 1939.

5949/4679. Skin and skull. Adult male. Princestown, Trinidad, West Indies. April 16, 1893. Collector: F. M. Chapman. Original number 616.

Skin in good condition. Skull lacking right bulla.

MEASUREMENTS: Skin: total length, 250 mm.; tail vertebrae, 118; hind foot, 26. Skull: greatest length, 33; zygomatic breadth, 15.5; length of maxillary tooth row, 4.5.

Oryzomys modestus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 12, art. 16, p. 212, December 20, 1899.
= *Oryzomys laticeps velutinus* Allen and Chapman. According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, p. 190, October 20, 1939.

14734. Skin and skull. Adult female. Campo Alegre, Venezuela. Altitude, 3000 feet. November 20, 1898. Collector: F. W. Urich. Original number 4.

Skin in poor condition, grease burnt. Skull lacking occipital region.

MEASUREMENTS: Skin: total length, 220 mm.; tail vertebrae, 100; hind foot, 25. Skull: zygomatic breadth, 15; length of maxillary tooth row, 4.6.

Oryzomys magdalenae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 12, art. 16, p. 209, December 20, 1899.

15318. Skin and skull. Adult female. Minca Santa Marta District, Magdalena Province, Colombia. August 3, 1899. Collector: Mrs. H. H. Smith. Jesup Santa Marta Expedition. Original number 1038.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 244 mm.; tail vertebrae, 144; hind foot, 33. Skull: greatest length, 31.5; zygomatic breadth, 14.6; length of maxillary tooth row, 4.5.

Oryzomys mollipilosus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 12, art. 16, pp. 208–209, December 20, 1899.

15323. Skin and skull. Adult female. Valparaiso, Santa Marta District, Colombia. Altitude, 4500 feet. May 10, 1899. Collector: H. H. Smith. Morris Jesup Santa Marta Expedition. Original number 915.

Skin in good condition. Skull fragmentary.

MEASUREMENTS: Skin: total length, 233 mm.; tail vertebrae, 110; hind foot, 28. Skull: length of maxillary tooth row, 4.5.

Oryzomys palmirae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 31, art. 7, p. 83, April 19, 1912.

32224. Skin and skull. Adult female. Mira Flores, a few miles east of Palmira, eastern slope of central Andes, Cauca, Colombia. April 30, 1911. Collector: L. E. Miller. Original number 24.

Skin in good condition. Skull lacking bullae.

MEASUREMENTS: Skin: total length, 215 mm.; tail vertebrae, 110; hind foot, 26. Skull: greatest length, 27; zygomatic breadth, 13.8; length of maxillary tooth row, 4.3.

Bombycinus GROUP

Oryzomys nitidus alleni Goldman
Proc. Biol. Soc. Washington, vol. 28, p. 128, June 29, 1915.
= *Oryzomys bombycinus alleni* Goldman. According to Goldman, North Amer. Fauna, no. 43, p. 78, September 23, 1918.

9631/7971. Skin and skull. Subadult male. Tuis, a small town 7 miles southeast of Turrialba in the valley of the Reventazon River, Province of Cartago, Costa Rica. Altitude, 2250 feet. July 15, 1894. Collector: G. K. Cherrie. Original number 1561.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 218 mm.; tail vertebrae, 111; hind foot, 29. Skull: greatest length, 28.2; zygomatic breadth, 14.3; length of maxillary tooth row, 4.3.

Albigularis GROUP

Oryzomys villosus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 12, art. 16, p. 210, December 20, 1899.

15321. Skin and skull. Adult female. Valparaiso, Santa Marta District, Colombia. Altitude, 4500 feet. April 15, 1899. Collector: Mrs. H. H. Smith. Morris Jesup Santa Marta Expedition. Original number 432.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 275 mm.; tail vertebrae, 148; hind foot, 28. Skull: greatest length, 32.6; zygomatic breadth, 17.5; length of maxillary tooth row, 5.4.

Oryzomys pectoralis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 31, art. 7, pp. 83–85, April 19, 1912.

32561. Skin and skull. Adult female. Paramo, Cauca, Colombia, coast range 40 miles west of Papayan. Altitude, 10,340 feet. July 10, 1911. Collector: L. E. Miller. Original number 230.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 317 mm.; tail vertebrae, 161.5; hind foot, 36. Skull: greatest length, 36; zygomatic breadth, 19; length of maxillary tooth row, 5.3.

Oryzomys incertus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 39, pp. 598–599, December 3, 1913. (Name preoccupied by *Oryzomys alfari incertus* Allen, 1908.)

Oryzomys mureliae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 34, art. 22, p. 630, December 30, 1915. (New name for *Oryzomys incertus* Allen.)
= *Oryzomys macconnelli* Thomas. According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, p. 189, October 20, 1939.

33756. Skin. Male adult. La Murelia, Rio Bodoquera, Caqueta, Colombia. Altitude, 600 feet. July 19, 1912. Collector: L. E. Miller. Original number 916.
Skin in good condition. No skull.
MEASUREMENTS: Skin: total length, 270 mm.; tail vertebrae, 150; hind foot (dry), 34.

Oryzomys o'connelli J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 39, pp. 597–598, December 3, 1913.

34583. Skin and skull. Adult male. Buenavista, 50 miles southeast of Bogotá, Colombia. Altitude, 4500 feet. March 7, 1913. Collector: G. M. O'Connell. Chapman-Cherrie Expedition. Original number 29.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 302 mm.; tail vertebrae, 153; hind foot, 38. Skull: greatest length, 36; zygomatic breadth, 18.3; length of maxillary tooth row, 5.4.

Oryzomys keaysi J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 13, art. 18, p. 225, November 16, 1900.

16062. Skin and skull. Adult female. Santo Domingo Mine, Inambiri River, Puno, Peru (latitude 13° 30′ S., longitude 70° W.). Altitude, 6000 feet. January 7, 1900. Collector: H. H. Keays. Original number 27.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 355 mm.; tail vertebrae, 197; hind foot, 38. Skull: total length, 38.3; zygomatic breadth, 19; length of maxillary tooth row, 6.

Oryzomys obtusirostris J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 13, art. 18, pp. 225–226, November 16, 1900.
= *Oryzomys keaysi* Allen. According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, p. 189, October 20, 1939.

15811. Skin and skull. Young female. Saont Domingo Mine, Rio Inambiri, Puno, Peru (latitude 13° 30′ S., longitude 70° W.). Altitude, 6000 feet. December 6, 1899. Collector: H. H. Keays. Original number 16.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 227 mm.; tail vertebrae, 127; hind foot, 27. Skull: greatest length, 29.8; zygomatic breadth, 16; length of maxillary tooth row, 6.

Oryzomys maculiventer J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 12, art. 16, pp. 204–206, December 20, 1899.
= *Oryzomys albigularis maculiventer* Allen. According to Ellerman, The families and genera of living rodents, vol. 2, p. 349, March 21, 1941.

15306. Skin and skull. Adult male. El Libano, Santa Marta District, Colombia. Altitude, 6000 feet. May 17, 1899. Collector: Mrs. H. H. Smith. Morris Jesup Santa Marta Expedition. Original number 688.
Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 335 mm.; tail vertebrae, 170; hind foot, 32. Skull: greatest length, 34.6; zygomatic breadth, 18.2; length of maxillary tooth row, 5.5

Oryzomys auriventer nimbosus Anthony
Amer. Mus. Novitates, no. 240, pp. 4–5, December 4, 1926.

67337. Skin and skull. Adult male. San Antonio, on Rio Ulva, northeastern slope of Tunguragua, Ecuador. Altitude, 6727 feet. January 27, 1924. Collector: G. H. H. Tate.

Skin in very good condition. Skull complete.

MEASUREMENTS: Skin: total length, 304 mm.; tail vertebrae, 164; hind foot, 34. Skull: greatest length, 35.5; zygomatic breadth, 17.9; length of maxillary tooth row, 5.7.

Xanthaeolus GROUP

Oryzomys baroni J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 9, art. 8, pp. 117–118, April 26, 1897.
= *Oryzomys xanthaeolus baroni* Allen. According to Gyldenstolpe, K. Svenska Vetensk. Akad. Handl., ser. 3, vol. 2, no. 3, p. 24, 1932.

11820/10112. Skin and skull. Adult female. Malca Cajabamba, northwestern Peru. Altitude, 8000 feet. April 27, 1894. Collector: O. T. Baron.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 290 mm.; tail vertebrae, 160; hind foot, 30. Skull: greatest length, 35.6; zygomatic breadth, 18; length of maxillary tooth row, 5.4.

SUBGENUS **OLIGORYZOMYS** BANGS

Oryzomys costaricensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 5, art. 15, pp. 239–240, September 22, 1893.
= *Oryzomys fulvescens costaricensis* Allen. According to Goldman, North Amer. Fauna, no. 43, p. 92, September 23, 1918.

9581/7923. Skin and skull. Subadult female. El General, a small town 12 miles inland from Punta Uvita on the Pacific coast, Province of Puntarenas, Costa Rica. Altitude, 2150 feet. February, 1891. Collector: H. Pittier. Museo Nacional de Costa Rica number 508.

Skin in poor condition. Skull not definitely located but probably the type skull is number 7922.

MEASUREMENTS: Skin: total length, 7.5 inches; tail vertebrae, 4.5 inches; hind foot (dry), 21 mm. Skull: greatest length, 19.5; zygomatic breadth, 10.2; length of maxillary tooth row, 3.

Oryzomys (Oligoryzomys) nicaraguae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 28, art. 9, p. 100, April 30, 1910.
= *Oryzomys fulvescens nicaraguae* Allen. According to Goodwin, Bull. Amer. Mus. Nat. Hist., vol. 87, art. 5, p. 397, December 31, 1946.

29543. Skin and skull. Adult male. Vijagua, Nicaragua. March 24, 1909. Collector: W. B. Richardson. Original number 509. Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 180 mm.; tail vertebrae, 110; hind foot, 20. Skull: greatest length, 21.5; zygomatic breadth, 11.2; length of maxillary tooth row, 2.7.

Oryzomys fulvescens creper Goodwin
Amer. Mus. Novitates, no. 1293, pp. 2–3, July 20, 1945.

141199. Skin and skull. Adult male. Volcan Irazu, Province of Cartago, Costa Rica. Altitude, 9400 feet. August 15, 1941. Collector: C. F. Underwood. Original number 3951.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 197 mm.; tail vertebrae, 105 (dry, 115); hind foot, 22. Skull: greatest length, 22.9; zygomatic breadth, 12; length of maxillary tooth row, 2.5.

Oryzomys fulvescens reventazoni Goodwin
Amer. Mus. Novitates, no. 1293, p. 3, July 20, 1945.

141891. Skin and skull. Adult male. Santa Teresa, a small town above Peralta in the lower Reventazon Valley, Province of Cartago, Costa Rica. Altitude, 3100 feet. February 8, 1942. Collector: C. F. Underwood. Original number 4164.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 182 mm.; tail vertebrae, 114; hind foot, 22. Skull: greatest length, 21.45; zygomatic breadth, 11; length of maxillary tooth row, 2.8.

Oryzomys delicatus J. A. Allen and Chapman
Bull. Amer. Mus. Nat. Hist., vol. 9, art. 2, p. 19, February 26, 1897.

7317/5925. Skin and skull. Adult male. Caparo, Trinidad, West Indies. March 20, 1894. Collector: F. M. Chapman. Original number 735.

Skin in poor condition, lacking the head and the tail. Skull lacking left side of rostrum.

MEASUREMENTS: Skin: hind foot, 21 mm. Skull: greatest length, 23; zygomatic breadth, 11.8 (not 6.5 as in type description); length of maxillary tooth row, 3.

Oryzomys tenuipes J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 28, pp. 328–329, October 8, 1904.

21330. Skin and skull. Adult female. Sierra de Merida, west Venezuela. Altitude, 1630 meters. February 14, 1903. Collector: S. B. Gabaldon. Original number 33.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 180 mm.; tail vertebrae, 100; hind foot, 22. Skull: greatest length, 22.5; zygomatic breadth, 11.3; length of maxillary tooth row, 3.1.

Oryzomys (Oligoryzomys) microtis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 35, art. 27, pp. 525–527, July 24, 1916.

37091. Skin and skull. Adult male. Lower Rio Solimoens (50 miles above mouth), Brazil. April 29, 1914. Collector: L. E. Miller. Roosevelt Brazilian Expedition. Original number 404.

Skin in good condition. Skull complete except for left zygomatic arch.

MEASUREMENTS: Skin: total length, 183 mm.; tail vertebrae, 90; hind foot, 20. Skull: greatest length, 22.8; zygomatic breadth, 11.5; length of maxillary tooth row, 3.

Oryzomys (Oligoryzomys) munchiquensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 31, art. 7, pp. 85–86, April 19, 1912.

32603. Skin and skull. Adult female. La Florida, Cauca, Colombia. Altitude, 7700 feet. July 8, 1911. Collector: L. E. Miller. Original number 223.

Skin in fair condition, lacking left hind limb. Skull complete.

MEASUREMENTS: Skin: total length, 195 mm.; tail vertebrae, 114; hind foot, 23. Skull: greatest length, 22.9; zygomatic breadth, 11.6; length of maxillary tooth row, 3.1.

Oryzomys (Oligoryzomys) utiaritensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 35, art. 27, pp. 527–528, July 24, 1916.

37541. Skin and skull. Adult female. Utiarity, Rio Papagaia, Mato Grosso, Brazil. Altitude, between 1500 and 2500 feet. January 30, 1914. Collector: L. E. Miller. Roosevelt Brazilian Expedition. Original number 279.

Skin in good condition. Skull lacking right zygomatic arch and all upper molars except last two on right side.

MEASUREMENTS: Skin: total length, 220 mm.; tail vertebrae, 120; hind foot, 22. Skull: greatest length, 25; zygomatic breadth, 12.5; length of maxillary tooth row, 3.2.

Oryzomys (Oligoryzomys) mattogrossae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 35, art. 27, p. 528, July 24, 1916. [Probably an individual variation of *utiaritensis*.]

37542. Skin and skull. Adult male. Utiarity, Mato Grosso, Brazil. January 31, 1914. Collector: L. E. Miller. Roosevelt Brazilian Expedition. Original number 287.

Skin in fairly good condition. Skull crushed, lacking nasals and basal portion of braincase.

MEASUREMENTS: Skin: total length, 210 mm.; tail vertebrae, 115; hind foot, 22. Skull: zygomatic breadth, 12.5; length of maxillary tooth row, 3.

SUBGENUS **MICRORYZOMYS** THOMAS

Oryzomys (Oligoryzomys) fulvirostris J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 31, art. 7, p. 86, April 19, 1912.
= *Oryzomys* (*Microryzomys*) *minutus fulvirostris* Allen. According to Osgood, Publ. Field Mus. Nat. Hist., zool. ser., vol. 20, p. 5, December 11, 1933. (Its distinction from *O. m. humilior* Thomas is doubtful.]

32567. Skin and skull. Adult female. Munchique, Cauca, Colombia. Altitude, 8325 feet. May 29, 1911. Collector: L. E. Miller. Original number 78.

Skin in good condition. Skull lacking middle right and front left upper molars and first and second lower left molars.

MEASUREMENTS: Skin: total length, 218 mm.; tail vertebrae, 130; hind foot, 23.5. Skull: greatest length, 23; zygomatic breadth, 12; length of maxillary tooth row, 3.

SUBGENUS **OECOMYS** THOMAS

Speciosus GROUP

Oecomys florenciae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 35, art. 27, pp. 524–525, July 24, 1916.
= *Oryzomys florenciae* Allen. According to Ellerman, The families and genera of living rodents, vol. 2, p. 358, March 21, 1941.

33863. Skin. Adult female. Florencia, Rio Caqueta drainage, southwestern Colombia. Altitude, 675 feet. June 25, 1912. Collector: L. E. Miller. Roosevelt Brazilian Expedition. Original number 827.
Skin in fair condition. Skull lost in the field.
MEASUREMENTS: Skin: total length, 200 mm.; tail vertebrae, 100; hind foot, 22.

Oecomys milleri J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 35, art. 27, pp. 523–524, July 24, 1916.
= *Oryzomys milleri* (Allen). According to Ellerman, The families and genera of living rodents, vol. 2, p. 358.

37117. Skin and skull. Adult male. Baron Melgaço, Mato Grosso, Brazil. March 5, 1914. Collector: L. E. Miller. Roosevelt Brazilian Expedition. Original number 325.
Skin in fair condition. Skull lacking first right upper and both last upper molars, all molars in lower jaws except first two on left side; zygomatic arches broken.
MEASUREMENTS: Skin: total length, 185 mm.; tail vertebrae, 90; hind foot, 20. Skull: greatest length, 23.8; zygomatic breadth, 12.8; length of maxillary tooth row, 3.7.

Oecomys rutilus Anthony
Amer. Mus. Novitates, no. 19, p. 4, October 26, 1921.
= *Oryzomys rutilus* (Anthony). According to Ellerman, The families and genera of living rodents, vol. 2, p. 359, March 21, 1941.

42910. Skin and skull. Adult female. Kartabo, British Guiana. June 27, 1920. Collector: William Beebe. Original number 419.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 171 mm.; tail vertebrae, 94; hind foot, 20. Skull: greatest length, 24.2; zygomatic breadth, 13.5; length of maxillary tooth row, 3.4.

Oryzomys speciosus J. A. Allen and Chapman
Bull. Amer. Mus. Nat. Hist., vol. 5, art. 13, pp. 212–213, September 21, 1893.

5942/4672. Skin and skull. Adult female. Princestown, Trinidad, West Indies. April 26, 1893. Collector: F. M. Chapman. Original number 644.
Skin in fair condition. Skull complete except for right bulla.
MEASUREMENTS: Skin: total length, 261 mm.; tail vertebrae, 137; hind foot, 24. Skull: greatest length, 30.5; zygomatic breadth, 16.5; length of maxillary tooth row, 4.5.

Mus pyrrhorhinus Schinz
In G.L.C.F. Cuvier, Das Thierreich eingeheilt nach dem Bau der Thiere [Schinz's translation with additions], vol. 1, p. 288, 1821.

Mus pyrrhorhinus Wied
Beiträge zur Naturgeschichte von Brasilien, vol. 2, pp. 418–424, pl. 2, figs. 3, 4, 1826.
= *Oecomys pyrrhorhinus* (Wied). According to Osgood, Jour. Mammal., vol. 14, no. 4, p. 370, November, 1933.
= *Oryzomys pyrrhorhinus* (Schinz). *Oecomys* is here given subgeneric rating.

574. Skin. Bahia Province, Brazil. Collector: Maximilian Wied. Specimen acquired with Maximilian Collection and had a stand label, "Mus pyrrhorhinus Brasilia," now lost. It bears a type label in Allen's handwriting.
Skin, mounted, much faded and without a tail. No skull.
MEASUREMENTS: (Wied's): Skin: total length, 12 1/4 inches; tail, 8 3/4 inches.

Oecomys caicarae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 39, pp. 603–604, December 3, 1913.
= *Oryzomys* [*guianae*] *caicarae* (Allen). According to Ellerman, The families and genera of living rodents, vol. 2, p. 357, March 21, 1941.

29875. Skin and skull. Adult female. Caicara, Rio Orinoco, Venezuela. June 26, 1907. Collector: G. K. Cherrie. Original number 15017, Brooklyn Institute Museum number 1013.
Skin in good condition. Skull not located.
MEASUREMENTS: Skin: total length, 274 mm.; tail vertebrae, 152; hind foot, 25. Skull: greatest length, 30.2; zygomatic breadth, 13.6; length of maxillary tooth row, 5.

Oecomys phelpsi Tate
Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, p. 194, October 20, 1939.

= [*Oryzomys*] *Oecomys guianae* Thomas. According to Tate, Jour. Mammal., vol. 26, no. 3, p. 316, August, 1945.

131164. Skin. Adult female. South slope of Mt. Auyan-tepui, Venezuela. Altitude, 3500 feet. February 10, 1938. Collector: G. H. H. Tate. Phelps Venezuela Expedition. Original number 5692.

Skin in poor condition. The type description was based on a mismatched skin and skull. The skull proves to be that of an *Akodon aerosus* near *chapmani* Allen.

MEASUREMENTS: Skin: total length, 213 mm.; tail vertebrae, 123; hind foot (s.u.), 21.

Oryzomys trichurus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 12, art. 16, pp. 206–207, December 20, 1899.

15328. Skin and skull. Adult male. El Libano Planatation, near Bonda, Santa Marta District, Colombia. Altitude, 500 feet. June 29, 1899. Collector: Mrs. H. H. Smith, Morris Jesup Santa Marta Expedition. Original number 766.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 281 mm.; tail vertebrae, 160; hind foot, 25. Skull: greatest length, 29; zygomatic breadth, 14.8; length of maxillary tooth row, 4.2.

Mincae GROUP

Oecomys mincae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 39, p. 603, December 3, 1913.
= *Oryzomys mincae* (Allen). According to Ellerman, The families and genera of living rodents, vol. 2, p. 358, March 21, 1941.

15332. Skin. Adult female. Minca, Santa Marta District, northeastern Colombia. Altitude, 2000 feet. June 13, 1899. Collector: Mrs. H. H. Smith. Morris Jesup Santa Marta Expedition. Original number 633.

Skin in good condition. Skull crushed and not located.

MEASUREMENTS: Skin: total length, 286 mm.; tail vertebrae, 160; hind foot, 25.

Trinitatus GROUP

Oryzomys trinitatis J. A. Allen and Chapman
Bull. Amer. Mus. Nat. Hist., vol. 5, art. 13, pp. 213–214, September 21, 1893.

5943/4673. Skin and skull. Adult male. Princestown, Trinidad, West Indies. April 25, 1893. Collector: F. M. Chapman. Original number 641.

Skin in fair condition, lacking right hind leg. Skull incomplete, lacking middle upper left molar and most of braincase and lower jaws.

MEASUREMENTS: Skin: total length, 271 mm.; tail vertebrae, 148; hind foot, 25 (dry, 26.5). Skull: greatest length, 32.5; zygomatic breadth, 17.8; length of maxillary tooth row, 5.1.

Oryzomys palmarius J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 12, art. 16, pp. 210–211, December 20, 1899.
= *Oryzomys trinitatis* Allen and Chapman. According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, p. 190, October 20, 1939. [May be a subspecies of *O. flavicens* Thomas.]

14733. Skin and skull. Adult male. Quebrada Secca, Venezuela. December 10, 1898. Collector: F. W. Urich. Original number 72. Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 269 mm.; tail vertebrae, 150; hind foot, 24 (dry, 27). Skull: greatest length, 31.2; zygomatic breadth, 16.6; length of maxillary tooth row, 5.

Oryzomys fulviventer J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 12, art. 16, pp. 212–213, December 20, 1899.
= *Oryzomys trinitatis* Allen and Chapman. According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, p. 190, October 20, 1939.

14735. Skin and skull. Adult female. Quebrada Secca, Venezuela. November 23, 1898. Collector: F. W. Urich. Original number 8.

Skin in fair condition. Skull complete except for middle upper right molar.

MEASUREMENTS: Skin: total length, 270 mm.; tail vertebrae, 139; hind foot (dry), 27. Skull: greatest length, 32; zygomatic breadth, 16.7; length of maxillary tooth row, 5.1.

Oryzomys klagesi J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 28, pp. 327–328. October 8, 1904. [Probably a subspecies of *O. flavicens* Thomas.]

16966. Skin and skull. Adult male. El Llagual, Venezuela. February 19, 1901. Collector: S. M. Klages. Original number 232. Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 248 mm.; tail vertebrae, 121; hind foot, 25. Skull: greatest length, 32; zygomatic breadth, 17; length of maxillary tooth row, 4.6.

Oryzomys helvolus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 39, p. 597, December 3, 1913. [Probably a subspecies of *O. flavicens;* may equal *O. subulatus* Thomas.]

34578. Skin and skull. Adult male. Villa Vicencio, at base of eastern Andes, 50 miles southeast of Bogotá, Colombia. Altitude, 1600 feet. March 15. 1903. Collector: G. M. O'Connell. Chapman-Cherrie Expedition. Original number 60.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 277 mm.; tail, 143; hind foot (dry), 26.5. Skull: greatest length, 33.7; zygomatic breadth, 16.5; length of maxillary tooth row, 5.4.

Oryzomys vicencianus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 39, p. 598, December 3, 1913.
= *Oryzomys helvolus* Allen. According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, p. 190, October 20, 1939.

34584. Skin and skull. Subadult male. Villa Vicencio, 50 miles southeast of Bogotá, Colombia. Altitude, 1600 feet. March 12, 1913. Collector: G. M. O'Connell. Chapman-Cherrie Expedition. Original number 47.

Skin in fair condition. Skull repaired, lacking left bulla.

MEASUREMENTS: Skin: total length, 250 mm.; tail vertebrae, 130; hind foot (dry), 26. Skull: greatest length, 28.7; zygomatic breadth, 13.2; length of maxillary tooth row, 4.5.

Oecomys auyantepui Tate
Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, p. 193, October 20, 1939.
= *Oryzomys auyantepui* (Tate). *Oecomys* is rated here as a subgenus.

131156. Skin and skull. Adult male. South slope of Mt. Auyan-tepui, Caroni River, Venezuela. Altitude, 3500 feet. February 9, 1938. Collector: G. H. H. Tate. Phelps Venezuela Expedition. Original number 5635.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 259 mm.; tail vertebrae, 133; hind foot, 23 (dry, 24.5). Skull: greatest length, 30.2; zygomatic breadth, 16.3; length of maxillary tooth row, 4.5.

Oecomys melleus Anthony
Amer. Mus. Novitates, no. 139, pp. 4–5, October 20, 1924.
= *Oryzomys melleus* (Anthony). According to Ellerman, The families and genera of living rodents, vol. 2, p. 358, March 21, 1941.

36560. Skin and skull. Adult female. Zamora, eastern Ecuador. Altitude, about 3250 feet. October 25, 1913. Collector: W. B. Richardson. Original number 122.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 290 mm.; tail vertebrae, 150; hind foot (dry), 28. Skull: greatest length, 33.5; zygomatic breadth, 17.8; length of maxillary tooth row, 5.4.

SUBGENUS **MELANOMYS** THOMAS

Oryzomys chrysomelas J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 9, art. 3, pp. 37–38, March 11, 1897.
= *Oryzomys caliginosus chrysomelas* Allen. According to Goldman, North Amer. Fauna, no. 43, p. 97, September 23, 1918.

10777/9076. Skin and skull. Subadult male. Suerre, a "finca" near Jimenez, Province of Limón, Costa Rica. Altitude, 1500 feet. July 16, 1895. Collector: A. Alfaro. Original number 6.

Skin in fairly good condition. Skull complete.

MEASUREMENTS: Skin (dry): total length, 187 mm.; tail vertebrae, 86; hind foot, 25. Skull: greatest length, 27.3; zygomatic breadth, 14.3; length of maxillary tooth row, 4.5.

Melanomys caliginosus oroensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 36, pp. 538–539, November 17, 1913.
= *Oryzomys caliginosus oroensis* (Allen). According to Ellerman, The families and genera of living rodents, vol. 2, p. 357, March 21, 1941.

34380. Skin and skull. Adult female. Rio de Oro, Manavi Province, Ecuador. Altitude, 1500 feet. January 13, 1913. Collector: W. B. Richardson. Original number 117.

Skin in good condition. Skull lacking basioccipital region.

MEASUREMENTS: Skin: total length, 220 mm.; tail vertebrae, 100; hind foot, 27. Skull: greatest length, 28.7; zygomatic breadth, 15.7; length of maxillary tooth row, 4.8.

Oryzomys (Melanomys) obscurior affinis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 31, art. 7, pp. 88–89, April 19, 1912.
=*Oryzomys affinis affinis* Allen. According to Ellerman, The families and genera of living rodents, vol. 2, p. 356, March 21, 1941.

31690. Skin and skull. Adult male. San José, Cauca, Colombia. Altitude, 200 feet. December 3, 1910. Collector: W. B. Richardson. Original number 29.

Skin in good condition. Skull complete, teeth worn.

MEASUREMENTS: Skin: total length, 235 mm.; tail vertebrae, 90; hind foot, 30. Skull: greatest length, 30.5; zygomatic breadth, 15.8; length of maxillary tooth row, 4.4.

Melanomys affinis monticola J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 36, pp. 540–541, November 17, 1913.
=*Oryzomys affiinis monticola* (Allen). According to Ellerman, The families and genera of living rodents, vol. 2, p. 356, March 21, 1941.

32392. Skin and skull. Adult male. Gallera, west slope of western Andes, Cauca, Colombia. Altitude, 5700 feet. June 28, 1911. Collector: L. E. Miller. Original number 183.

Skin in fair condition, over-stuffed. Skull lacking left bulla and basi-occipital; teeth well worn.

MEASUREMENTS: Skin: total length, 222 mm.; tail vertebrae, 99; hind foot, 26. Skull: greatest length, 30.2; zygomatic breadth, 15.5; length of maxillary tooth row, 4.5.

Melanomys phaeopus vallicola J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 36, pp. 544–545, pl. 68, fig. 10, November 17, 1913.
=*Oryzomys phaeopus vallicola* (Allen). According to Ellerman, The families and genera of living rodents, vol. 2, p. 357, March 21, 1941.

32903. Skin and skull. Adult male. Rio Frio, Cauca Valley, Colombia. Altitude, 3500 feet. December 1, 1911. Collector: L. E. Miller. Original number 616.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 193 mm.; tail vertebrae, 79; hind foot, 25. Skull: greatest length, 27.3; zygomatic breadth, 14.5; length of maxillary tooth row, 4.5.

Melanomys phaeopus tolimensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 36, p. 545, November 17, 1913.
=*Oryzomys phaeopus tolimensis* (Allen). According to Ellerman, The families and genera of living rodents, vol. 2, p. 357, March 21, 1941.

32976. Skin and skull. Adult male. Rio Toché, Tolima Province, Colombia. Altitude, 6800 feet. October 24, 1911. Collector: L. E. Miller. Original number 411.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 202 mm.; tail vertebrae, 85; hind foot, 26.5. Skull: greatest length, 30; zygomatic breadth, 16; length of maxillary tooth row, 4.8.

Melanomys lomitensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 36, pp. 545–546, pl. 68, fig. 9, November 17, 1913.
=*Oryzomys lomitensis* (Allen). According to Ellerman, The families and genera of living rodents, vol. 2, p. 357, March 21, 1941.

32214. Skin and skull. Adult male. Las Lomitas, western Andes, Cauca, Colombia. Altitude, 5000 feet. February 27, 1911. Collector: W. B. Richardson. Original number 86.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 210 mm.; tail vertebrae, 90; hind foot, 22.5. Skull: greatest length, 25; zygomatic breadth, 13.9; length of maxillary tooth row, 4.5.

Melanomys buenavistae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 36, p. 547, pl. 68, fig. 8, November 17, 1913.
=*Oryzomys buenavistae* (Allen). According to Ellerman, The families and genera of living rodents, vol. 2, p. 356, March 21, 1941.

34567. Skin and skull. Adult male. Buenavista, eastern Andes, 50 miles southeast of Bogotá, Colombia. Altitude, 4500 feet. March 9, 1913. Collector: G. M. O'Connell. Chapman-Cherrie Expedition. Original number 39.

Skin in good condition. Skull lacking occipital region.

MEASUREMENTS: Skin: total length, 223 mm.; tail vertebrae, 106; hind foot, 27. Skull: greatest length, 30+; zygomatic

breadth, 16.5; length of maxillary tooth row, 4.5.

Akodon columbianus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 12, art. 16, pp. 203–204, December 20, 1899.
= *Oryzomys columbianus* (Allen). According to Ellerman, The families and genera of living rodents, vol. 2, p. 357, March 21, 1941.

15336. Skin and skull. Subadult male. Manzanares, Santa Marta District, Colombia. Altitude, 3000 feet. September 6, 1899. Collector: Mrs. H. H. Smith. Morris Jesup Santa Marta Expedition. Original number 1152.

Skin in good condition. Skull lacking all upper molars except first upper left.

MEASUREMENTS: Skin: total length, 230 mm.; tail vertebrae, 102; hind foot, 27. Skull: greatest length, 30; zygomatic breadth, 15.7; length of maxillary tooth row, 4.8.

GENUS **NEACOMYS** THOMAS

Neacomys pusillus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 31, art. 7, pp. 81–82, April 19, 1912.
= *Neacomys tenuipes* Thomas. According to Lawrence, Jour. Mammal., vol. 22, no. 4, pp. 425–427, November 14, 1941.

31695. Skin and skull. Adult male. San José, humid coastal zone, Cauca, Colombia. Altitude, 200 feet. December 9, 1910. Collector: W. B. Richardson. Original number 40.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 145 mm.; tail vertebrae, 70; hind foot, 20. Skull: greatest length, 21.3; zygomatic breadth, 11; length of maxillary tooth row, 2.5.

GENUS **SCOLOMYS** ANTHONY

Scolomys melanops Anthony
Amer. Mus. Novitates, no. 139, pp. 2–3, October 20, 1924.

67524. Skin and skull. Adult female. Mera, eastern Ecuador. Altitude, 3800 feet. March 3, 1924. Collector: G. H. H. Tate. Original number 2919.

Skin in good condition. Skull complete, teeth worn.

MEASUREMENTS: Skin: total length, 158 mm.; tail vertebrae, 68; hind foot, 20. Skull: greatest length, 21.9; zygomatic breadth, 12.8; length of maxillary tooth row, 2.6.

GENUS **NECTOMYS** PETERS

SUBGENUS **NECTOMYS** PETERS

Nectomys palmipes J. A. Allen and Chapman
Bull. Amer. Mus. Nat. Hist., vol. 5, art. 13, pp. 209–211, September 21, 1893.
= *Nectomys squamipes palmipes* Allen and Chapman. According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, p. 198, October 20, 1939.

5928/4658. Skin and skull. Adult male. Princestown, Victoria County, Trinidad, West Indies. April 10, 1893. Collector: F. M. Chapman. Original number 572.

Skin in good condition with bones in distal half of tail. Skull complete except for left bulla.

MEASUREMENTS: Skin: total length, 420 mm.; tail vertebrae, 210; hind foot, 48. Skull: greatest length, 44; zygomatic breadth, 23.5; length of maxillary tooth row, 7.0.

Nectomys squamipes tatei Hershkovitz
Proc. U. S. Natl. Mus., vol. 98, pp. 52–53, 1948.

69899. Skin and skull. Adult female. San Antonio, 15 kilometers east of Mt. Turimiquire, Sucre, northern Venezuela. Altitude, 1800 feet. April 22, 1925. Collector: G. H. H. Tate and H. J. Clement. Original number 3424.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 380 mm.; tail vertebrae, 200; hind foot (dry), 48. Skull: greatest length, 41; zygomatic breadth, 22.2; length of maxillary tooth row, 7.1.

SUBGENUS **SIGMODONTOMYS** ALLEN

Sigmodontomys alfari J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 9, art. 3, pp. 39–40, pl. 1, figs. 8–14, March 11, 1897.
= *Nectomys alfari alfari* (Allen). According to Goldman, Smithsonian Misc. Coll., vol. 60, no. 22, p. 7, February 28, 1913.

12436/10744. Skin and skull. Adult male. Jiménez, a small town 3 miles east of Guápiles, Province of Limón, Costa Rica. Altitude, 700 feet. May, 1895. Collector: Anastasio Alfaro. Original number 3.

Skin in fair condition. Skull with left side of braincase broken and lacking left zygomatic arch.

MEASUREMENTS: Skin (dry), 278 mm.; tail vertebrae, 155; hind foot, 37. Skull: greatest length, 35.2; length of maxillary tooth row, 5.3.

Oryzomys ochraceus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 24, art. 34, pp. 655–656, October 13, 1908.
= *Nectomys alfari alfari* (Allen). According to Goldman, Proc. Biol. Soc. Washington, vol. 29, p. 127, June 6, 1916.

28548. Skin and skull. Adult male. Rio Grande, Nicaragua. March 27, 1908. Collector: W. B. Richardson. Original number 227.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 300 mm.; tail vertebrae, 180; hind foot, 40. Skull: greatest length, 37; zygomatic breadth, 19.5; length of maxillary tooth row, 5.5.

Oryzomys barbacoas J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 35, art. 11, pp. 85–86, April 28, 1916.
= *Nectomys alfari esmeraldarum* Thomas. According to Hershkovitz, Proc. U. S. Natl. Mus., vol. 98, p. 54, 1948.

34193. Skin and skull. Adult male. Barbacoas, southwestern Colombia. Altitude, 75 feet. August 10, 1912. Collector: W. B. Richardson. Original number 41.

Skin in good condition. Skull complete except for last upper right molar.

MEASUREMENTS: Skin: total length, 300 mm.; tail vertebrae, 160; hind foot, 35. Skull: greatest length, 36; zygomatic breadth, 20; length of maxillary tooth row, 5.5.

GENUS **RHIPIDOMYS** TSCHUDI

Tylomys couesi J. A. Allen and Chapman
Bull. Amer. Mus. Nat. Hist., vol. 5, art. 13, pp. 211–212, September 21, 1893.
= *Rhipidomys couesi* (Allen and Chapman). According to Allen, Bibliography of scientific publications of J. A. Allen, p. 87, 1916.

5956/4685. Skin and skull. Adult male. Princestown, Trinidad, West Indies. April 6, 1893. Collector: F. M. Chapman. Original number 557.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 460 mm.; tail vertebrae, 252; hind foot, 35. Skull: greatest length, 44.3; zygomatic breadth, 22.4; length of maxillary tooth row, 6.

Rhipidomys cocalensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 31, art. 7, pp. 79–80, April 19, 1912.

32376. Skin and skull. Adult female. Cocal, Cauca, Colombia. Altitude, 4000 feet. June 14, 1911. Collector: L. E. Miller. Original number 152.

Skin in good condition. Skull complete, teeth worn, lower jaws lacking all but last molar on each side.

MEASUREMENTS: Skin: total length, 360 mm.; tail vertebrae, 199; hind foot, 28. Skull: greatest length, 34.5; zygomatic breadth, 18.51; length of maxillary tooth row, 5.

Rhipidomys similis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 31, art. 7, p. 79, April 19, 1912.

32458. Skin and skull. Cocal, Cauca, Colombia. Altitude, 6000 feet. June 17, 1911. Collector: L. E. Miller. Original number 177.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 340 mm.; tail vertebrae, 185; hind foot, 31. Skull: greatest length, 34; zygomatic breadth, 18.7; length of maxillary tooth row, 5.3.

Rhipidomys quindianus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 39, p. 600, December 3, 1913.
= *Rhipidomys similis* Allen. According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, p. 195, October 20, 1939.

32970. Skin and skull. Juvenal male. El Roble, central Andes, Colombia. Altitude, 7200 feet. November 9, 1911. Collector: L. E. Miller. Original number 481.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 208 mm.; tail vertebrae, 129; hind foot, 25.5. Skull: greatest length, 27.8; zygomatic breadth, 14.1; length of maxillary tooth row, 5.4.

Thomasomys macconnelli subnubis Tate
Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, p. 195, October 20, 1939.
= *Rhipidomys macconnelli* de Winton. According to the unpublished notes of W. H. Osgood.[1]

131154. Skin and skull. Semi-adult female. South slope of Mt. Auyan-tepui, Vene-

[1] In his notes Osgood put *T. m. subnubis* Tate in synonomy with *T. macconnelli* and returned *macconnelli* to the genus in which it was originally described. His reason: in cranial and dental characters it is obviously nearer to typical *Rhipidomys* than *Thomasomys*, nearer in fact than various other species in which the feet are broadened.

zuela. Altitude, 3500 feet. February 1, 1938. Collector: G. H. H. Tate. Phelps Venezuela Expedition. Original number 5582.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 278 mm.; tail vertebrae, 171; hind foot (s.u.), 26. Skull: greatest length, 30.5; zygomatic breadth, 16.5; length of maxillary tooth row, 4.6.

Rhipidomys venezuelae yuruanus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 39, pp. 601–602, December 3, 1913.

30735. Skin and skull. Adult male. Rio Yuruan, tributary of Rio Cuyuni, Venezuela. March 29, 1910. Collector: M. A. Carriker, Jr. Original number 6863.

Skin in good condition. Skull complete, teeth worn.

MEASUREMENTS: Skin: total length, 310 mm.; tail vertebrae, 163; hind foot, 26. Skull: greatest length, 34; zygomatic breadth, 18; length of maxillary tooth row, 4.5.

Rhipidomys ochrogaster J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 14, art. 3, pp. 43–44, January 31, 1901.

16481. Skin and skull. Adult female. Inca Mines, Peru. Altitude, 6000 feet. September 14, 1900. Collector: H. H. Keays. Original number 116.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 15 inches; tail vertebrae, 9 inches; hind foot, 1 3/8 inches. Skull: greatest length, 37.5 mm.; zygomatic breadth, 19.7; length of maxillary tooth row, 6.3.

Oecomys emiliae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 35, art. 27, p. 525, July 24, 1916.
= *Rhipidomys emiliae* (Allen). This species clearly belongs in the genus *Rhipidomys* as indicated by the hairy tail, tufted terminally, and the dark dorsum of the foot.

37945. Skin. Adult male. Rio Mojú, Para, Brazil. February 28, 1914. Museu Goeldi number S14.

Skin in fair condition, tail vertebrae not removed. No skull.

MEASUREMENTS: Skin: total length, 300 mm.; tail vertebrae, 165; hind foot, 28.

Rhipidomys milleri J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 39, p. 602, December 3, 1913.
= *Rhipidomys nitela* Thomas. According to Tate, Bull. Amer. Mus. Nat. Hist. vol. 76, art. 5, p. 196, October 20, 1939.

36332. Skin and skull. Adult male. Minehaha Creek, lower Essequibo River, British Guiana. Altitude, 500 feet. August 31, 1913. Collector: L. E. Miller. Original number 132.

Skin in fair condition. Skull complete except for last upper molar.

MEASUREMENTS: Skin: total length, 295 mm.; tail vertebrae, 155; hind foot, 25. Skull: greatest length, 30; zygomatic breadth, 16.1; length of maxillary tooth row, 4.3.

Rhipidomys mollissimus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 31, art. 7, pp. 78–79, April 19, 1912.

32243. Skin and skull. Adult female. Mira Flores, near Palmira, west slope of central Andes, Cauca, Colombia. Altitude, 6200 feet. April 30, 1911. Collector: L. E. Miller. Field number 23.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 279 mm.; tail vertebrae, 156; hind foot, 27. Skull: greatest length, 32; zygomatic breadth, 16; length of maxillary tooth row, 5.

Rhipidomys caucensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 39, p. 601, December 3, 1913.

32466. Skin and skull. Adult female. Munchique, western Andes, Cauca, Colombia. Altitude, 8225 feet. May 24, 1911. Collector: L. E. Miller. Original number 40.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 236 mm.; tail vertebrae, 133; hind foot (dry), 22. Skull: greatest length, 27; zygomatic breadth, 15; length of maxillary tooth row, 4.

Oryzomys tenuicauda J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 12, art. 16, pp. 211–212, December 20, 1899.
= *Rhipidomys tenuicauda* (Allen). According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, p. 195, October 20, 1939.

14737. Skin and skull. Adult male. Los Palmales, Venezuela. December 5, 1898. Collector: F. W. Urich. Original number 51.

Skin in fair condition, lacking tip of tail. Skull complete.

MEASUREMENTS: Skin: total length, 212 mm.; tail vertebrae, 128; hind foot, 23. Skull: greatest length, 26.5; zygomatic breadth, 14.6; length of maxillary tooth row, 4.3.

GENUS **THOMASOMYS** COUES

Aureus GROUP

Thomasomys aureus altorum J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 33, art. 14, p. 200, February 28, 1914.

36280. Skin and skull. Adult male. Mt. Pichincha, Ecuador. Altitude, 11,000 feet. June 15, 1913. Collector: W. B. Richardson. Original number 174.
Skin in good condition. Skull with braincase slightly crushed, lacking lower incisors.
MEASUREMENTS: Skin: total length, 360 mm.; tail vertebrae, 200; hind foot, 34. Skull: greatest length, 40.5; zygomatic breadth, 20.4; length of upper tooth row, 7.4.

Thomasomys popayanus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 31, art. 7, p. 81, April 19, 1912.
= *Thomasomys aureus popayanus* Allen. According to Gyldenstolpe, K. Svenska Vetensk. Akad. Handl., ser. 3, vol. 2, no. 3, p. 51, 1932.

32371. Skin and skull. Adult male. Paramo 103, crest of western Andes, 40 miles west of Popayan, Cauca, Colombia. Altitude, 10,340 feet. July 17, 1911. Collector: L. E. Miller. Original number 282.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 374 mm.; tail vertebrae, 218; hind foot, 38. Skull: greatest length, 38.5; zygomatic breadth, 20.2; length of maxillary tooth row, 7.

Pyrrhonotus GROUP

Thomasomys auricularis Anthony
Amer. Mus. Novitates, no. 55, p. 6, fig. 2b, January 31, 1923.

47697. Skin and skull. Adult male. Taraguacocha, on trail from Zaruma to Zaraguro, Cordillera de Chilla, Province of El Oro, Ecuador. Altitude, 10,250 feet. August 26, 1920. Collector: H. E. Anthony. Original number 1945.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 345 mm.; tail vertebrae, 190; hind foot, 32. Skull: greatest length, 37.1; zygomatic breadth, 19.7; length of maxillary tooth row, 6.6.

Cinereus GROUP

Thomasomys cinereiventer J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 31, art. 7, pp. 80–81, April 19, 1912.

32436. Skin and skull. Adult male. Paramo 103, crest of western Andes, 40 miles west of Popayan, Cauca, Colombia. Altitude, 10,340 feet. July 14, 1911. Collector: L. E. Miller. Original number 256.
Skin in fair condition. Skull complete.
MEASUREMENTS: Skin: total length, 320 mm.; tail vertebrae, 159; hind foot, 36. Skull: greatest length, 36.3; zygomatic breadth, 18.6; length of maxillary toothrow, 6.

Thomasomys cinereiventer dispar Anthony
Amer. Mus. Novitates, no. 178, pp. 2–3, June 22, 1925.

33761. Skin and skull. Adult male. Andalucia, eastern Andes, Huila, Colombia. Altitude, 7000 feet. June 1, 1912. Collector: L. E. Miller. Original number 797.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 280 mm.; tail vertebrae, 182; hind foot, 31. Skull: greatest length, 32.5; zygomatic breadth, 15.5; length of maxillary tooth row, 5.3.

Thomasomys cinereiventer contradictus Anthony
Amer. Mus. Novitates, no. 178, p. 3, June 22, 1925.

32955. Skin and skull. Adult male. Santa Isabel, Quindio Andes, Colombia. Altitude, 12,700 feet. September 20, 1911. Collector: L. E. Miller. Original number 340.
Skin in fair condition. Skull complete.
MEASUREMENTS: Skin: total length, 267 mm.; tail vertebrae, 148; hind foot, 31. Skull: greatest length, 30.3; zygomatic breadth, 15.9; length of maxillary tooth row, 5.

Thomasomys bombycinus Anthony
Amer. Mus. Novitates, no. 178, pp. 1–2, June 22, 1925.

37740. Skin and skull. Adult female. Paramillo, western Andes, Antioquia, Colombia. Altitude, 12,500 feet. January 30, 1915. Collector: Miller and Boyle. Original number 1649.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 236 mm.; tail vertebrae, 125; hind foot, 27. Skull:

greatest length, 28.6; zygomatic breadth, 15.3; length of maxillary tooth row, 5.

Thomasomys oreas Anthony
Amer. Mus. Novitates, no. 239, pp. 2–3, December 4, 1926.

72130. Skin and skull. Adult male. Cocopunco, 80 miles north of La Paz, Bolivia. Altitude, 10,000 feet. March 26, 1926. Collector: G. H. H. Tate. Original number 3891.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 244 mm.; tail vertebrae, 136; hind foot, 25. Skull: greatest length, 29; zygomatic breadth, 15.8; length of maxillary tooth row, 4.3.

Thomasomys erro Anthony
Amer. Mus. Novitates, no. 240, pp. 5–6, December 4, 1926.

68195. Skin and skull. Adult male. Upper slopes of Mt. Sumaco, at head of Rio Suno, a tributary of the Rio Napo, Ecuador. Altitude, between 8000 and 9000 feet. June 10, 1924. Collectors: Olalla and sons.

Skin in good condition. Skull with braincase crushed but repaired.

MEASUREMENTS: Skin: total length, 330 mm.; tail vertebrae, 178; hind foot, 30. Skull: greatest length, 32; zygomatic breadth, 15.2; length of maxillary tooth row, 5.1.

Thomasomys ladewi Anthony
Amer. Mus. Novitates, no. 239, pp. 1–2, December 4, 1926.

72113. Skin and skull. Adult female. Rio Aceramarca, northeast of La Paz, Bolivia. Altitude, 10,800 feet. May 27, 1926. Collector: G. H. H. Tate. Original number 4240.

Skin in good condition. Skull complete, teeth worn.

MEASUREMENTS: Skin: total length, 294 mm.; tail vertebrae, 158; hind foot, 33. Skull: greatest length, 33.3; zygomatic breadth, 18.7; length of maxillary tooth row, 6.3.

Thomasomys caudivarius Anthony
Amer. Mus. Novitates, no. 55, pp. 4–5, January 31, 1923.

47668. Skin and skull. Adult male. Taraguacocha, Cordillera de Chilla, Province of El Oro, Ecuador. Altitude, 10,750 feet. August 23, 1920. Collector: H. E. Anthony. Original number 1927.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 275 mm.; tail vertebrae, 161; hind foot, 30. Skull: greatest length, 31.9; zygomatic breadth, 16.9; length of maxillary tooth row, 5.1.

Thomasomys silvestris Anthony
Amer. Mus. Novitates, no. 114, pp. 2–3, May 29, 1924.

66288. Skin and skull. Adult male. Las Maquinas, on Santo Domingo trail, west of Corazon, western Andes, Ecuador. Altitude, 7000 feet. September 23, 1923. Collector: H. E. Anthony. Original number 2777.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 261 mm.; tail vertebrae, 151; hind foot, 30. Skull: greatest length, 29.3; zygomatic breadth, 15.5; length of maxillary tooth row, 5.

Rhoadsi GROUP

Thomasomys rhoadsi fumeus Anthony
Amer. Mus. Novitates, no. 139, pp. 6–7, October 20, 1924.

67537. Skin and skull. Adult female. Hacienda San Francisco, east of Ambato, central Ecuador. Altitude, 8000 feet. January 14, 1924. Collector: G. H. H. Tate. Original number 2701.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 220 mm.; tail vertebrae, 105; hind foot, 27. Skull: greatest length, 30.7; zygomatic breadth, 15.2; length of maxillary tooth row, 4.6.

Lugens GROUP

Aepeomys fuscatus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 31, art. 7, p. 89, April 19, 1912.
= *Thomasomys fuscatus* (Allen). According to Ellerman, The families and genera of living rodents, vol. 2, p. 369, March 21, 1941.

32230. Skin and skull. Adult female. San Antonio, near Cali, Cauca, Colombia. Altitude, 7000 feet. January 21, 1911. Collector: W. B. Richardson. Original number 68.

Skin in fair condition. Skull lacking right side of mandible, otherwise complete.

MEASUREMENTS: Skin: total length, 220 mm.; tail vertebrae, 110; hind foot, 25. Skull: greatest length, 26.5; zygomatic breadth, 15; length of maxillary tooth row, 4.2.

Thomasomys ottleyi Anthony
Amer. Mus. Novitates, no. 548, pp. 1–2, July 8, 1932.
= *Thomasomys lugens* Thomas. According to Osgood, Jour. Mammal., vol. 14, no. 2, p. 161, May, 1933.

96169. Skin and skull. Adult male. Paramo de los Conejos, about 15 miles north of Merida, Venezuela. Altitude, 9600 feet. February 7, 1932. Collector: H. E. Anthony. Original number 3420.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 232 mm.; tail vertebrae, 121; hind foot, 30. Skull: greatest length, 30; zygomatic breadth, 14.2; length of maxillary tooth row, 4.5.

Gracilis GROUP

Thomasomys cinnameus Anthony
Amer. Mus. Novitates, no. 139, pp. 5–6, October 20, 1924.

67401. Skin and skull. Adult female. Hacienda San Francisco, east of Ambato, central Ecuador. Altitude, 8000 feet. January 15, 1924. Collector: G. H. H. Tate. Original number 2710.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 210 mm.; tail vertebrae, 120; hind foot, 24. Skull: greatest length 26.4; zygomatic breadth, 13.5; length of maxillary tooth row, 4.

Thomasomys hudsoni Anthony
Amer. Mus. Novitates, no. 55, pp. 3–4, fig. 1, a, b, January 31, 1923.

47690. Skin and skull. Adult male. Bestion, Province of Azuay, Ecuador. Altitude, 10,100 feet. January 13, 1921. Collector: H. E. Anthony. Original number 2523.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 213 mm.; tail vertebrae, 120; hind foot, 23. Skull: greatest length, 25.2; zygomatic breadth, 13.3; length of maxillary tooth row, 3.5.

Thomasomys daphne australis Anthony
Amer. Mus. Novitates, no. 178, p. 4, June 22, 1925.

38550. Skin and skull. Adult male. Incachaca, Province of Cochabamba, Bolivia. Altitude, 7700 feet. May 16, 1915. Collectors: Miller and Boyle. Original number 1731.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 227 mm.; tail vertebrae, 138; hind foot, 25. Skull: greatest length, 27.3; zygomatic breadth, 14; length of maxillary tooth row, 4.

GENUS **TYLOMYS** PETERS

Tylomys fulviventer Anthony
Bull. Amer. Mus. Nat. Hist., vol. 35, art. 20, pp. 366–368, June 9, 1916.

38063. Skin and skull. Adult female. Tacarcuna, district of Darien, Panama. Altitude, 4200 feet. March 13, 1915. Collector: H. E. Anthony. Original number 207.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 451 mm.; tail vertebrae, 233; hind foot, 38. Skull: greatest length, 51; zygomatic breadth, 25; length of maxillary tooth row, 8.

GENUS **OTOTYLOMYS** MERRIAM

Ototylomys fumeus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 24, art. 34, p. 658, October 13, 1908.
= *Ototylomys phyllotis fumeus* Allen. According to Goodwin, Bull. Amer. Nat. Hist., vol. 79, art. 2, p. 166, May 29, 1942.

28291. Skin and skull. Adult male. Matagalpa, Nicaragua. March 18, 1907. Collector: W. B. Richardson.
Skin in fair condition. Skull complete.
MEASUREMENTS: Skin: total length, 330 mm.; tail vertebrae, 140; hind foot, 30. Skull: greatest length, 41.5; zygomatic breadth, 21; length of maxillary tooth row, 7.

GENUS **OTONYCTOMYS** ANTHONY

Otonyctomys hatti Anthony
Amer. Mus. Novitates, no. 586, pp. 1–3, fig. 1a, November 16, 1932.

91190. Skin, skull, and skeleton. Adult male. Chichen-Itza, Yucatan, Mexico. October 26, 1929. Collector: Marcelle Roigneau. Original number 71.
Skin in good condition but lacking the tail. Skull complete except for last upper right molar.
MEASUREMENTS: Skin: head and body, 116 mm.; tail vertebrae (paratype), 127; hind foot, 21. Skull: greatest length, 29.5; zygomatic breadth, 15.7; length of maxillary tooth row, 4.2.

GENUS **REITHRODONTOMYS** GIGLIOLI
SUBGENUS **REITHRODONTOMYS** GIGLIOLI

Megalotis GROUP

Reithrodontomys aztecus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 5, art. 6, pp. 79–80, April 28, 1893.
= *Reithrodontomys megalotis aztecus* Allen. According to A. H. Howell, North Amer. Fauna, no. 36, p. 30, June 5, 1914.

5162/4042. Skin and skull. Adult male. La Plata, San Juan County, New Mexico. Altitude, 6100 feet. April 11, 1892. Collector: C. P. Rowley. Original number 86.
Skin in fair condition. Skull complete.
MEASUREMENTS: Skin: total length, 5 1/4 inches; tail vertebrae, 2 1/2 inches; hind foot, 3/4 inch. Skull: greatest length, 21 mm.; zygomatic breadth, 11.2; length of maxillary tooth row, 3.

Reithrodontomys dychei J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 7, art. 3, pp. 120–121, May 21, 1895.
= *Reithrodontomys megalotis dychei* Allen. According to A. H. Howell, North Amer. Fauna, no. 36, p. 30, June 5, 1914.

10127/8431. Skin and skull. Adult female. Lawrence, Douglas County, Kansas. January 12, 1894. Collector: L. L. Dyche. Kansas University Museum number 5232.
Skin in fair condition. Skull complete.
MEASUREMENTS: Skin: total length, 133 mm.; tail vertebrae, 52; hind foot, 15.5. Skull: greatest length, 20.8; zygomatic breadth, 10.5; length of maxillary tooth row, 3.5.

Reithrodontomys saturatus J. A. Allen and Chapman
Bull. Amer. Mus. Nat. Hist., vol. 9, art. 13, p. 201, June 16, 1897.
= *Reithrodontomys megalotis saturatus* Allen and Chapman. According to A. H. Howell, North Amer. Fauna, no. 36, p. 36, June 5, 1914.

12502/10812. Skin and skull. Adult male. Las Vigas, state of Veracruz, Mexico. Altitude, 8000 feet. April 26, 1897. Collector: F. M. Chapman. Original number 1276.
Skin in good condition. Skull lacking nasals and left zygomatic arch.
MEASUREMENTS: Skin: total length, 148 mm.; tail vertebrae, 74; hind foot, 18. Skull: greatest length, 21; zygomatic breadth, 10.7; length of maxillary tooth row, 3.4.

Reithrodontomys arizonensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 7, art. 3, pp. 134–135, May 21, 1895.
= *Reithrodontomys megalotis arizonensis* Allen. According to A. H. Howell, North Amer. Fauna, no. 36, p. 38, June 5, 1914.

8843/7142. Skin and skull. Adult female. Rock Creek, Chiricahua Mountains, Cochise County, Arizona. July 8, 1894. Altitude, 8000 feet. Collector: B. C. Condit. Price Collection. Original number 1100.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 152 mm.; tail vertebrae, 78; hind foot, 18. Skull: greatest length, 21; zygomatic breadth, 10.5; length of maxillary tooth row, 2.9.

Reithrodontomys megalotis sestinensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 19, art. 24, p. 602, November 12, 1903.
= *Reithrodontomys megalotis megalotis* (Baird). According to A. H. Howell, North Amer. Fauna, no. 36, p. 26, June 5, 1914.

21175. Skin and skull. Adult male. Rio Sestin, northwestern Durango, Mexico. Altitude, 7500 feet. April 11, 1903. Collector: J. H. Batty. Original number 405.
Skin in fair condition. Skull lacking nasal bones.
MEASUREMENTS: Skin: total length, 139 mm.; tail vertebrae, 70; hind foot, 18. Skull: greatest length, 20; zygomatic breadth, 10.5; length of maxillary tooth row, 3.5.

Reithrodontomys pallidus Rhoads
Amer. Nat., vol. 27, p. 835, September 1, 1893.
= *Reithrodontomys megalotis longicaudus* (Baird). According to A. H. Howell, North Amer. Fauna, no. 36, p. 33, June 5, 1914.

3289/2568. Skin and skull. Adult female. Santa Ysabel, California. March 13 (not March 12 as in type description), 1890. Collector: F. Stephens. Original number 613. (Purchased from C. K. Warthen.)
Skin in good condition. Skull crushed and lacking mandible.
MEASUREMENTS: Skin: total length, 137 mm.; tail vertebrae, 73; hind foot, 17. Skull: greatest length, 19.2; zygomatic breadth, 10.2; length of maxillary tooth row, 2.8.

Fulvescens GROUP

Reithrodontomys mexicanus fulvescens J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 6, art. 13, pp. 319–320, November 7, 1894.
= *Reithrodontomys fulvescens fulvescens* Allen. According to A. H. Howell, North Amer. Fauna, no. 36, p. 43, June 5, 1914.

8411/6736. Skin and skull. Adult male. Oposura, Sonora, Mexico. June 1, 1894. Collector: B. C. Condit. Price Collection. Original number 1696.

Skin in fair condition. Skull lacking tips of nasals.

MEASUREMENTS: Skin: total length, 169 mm.; tail vertebrae, 95; hind foot, 19. Skull: greatest length, 20.7; zygomatic breadth, 10.5; length of maxillary tooth row, 3.5.

Reithrodontomys mexicanus intermedius J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 7, art. 3, pp. 136–137, May 21, 1895.
= *Reithrodontomys fulvescens intermedius* Allen. According to A. H. Howell, North Amer. Fauna, no. 36, p. 47, June 5, 1914.

4207/3237. Skin and skull. Adult female. Brownsville, Cameron County, Texas. September 3, 1891. Collector: F. B. Armstrong.

Skin in fair condition. Skull lacking occipital region.

MEASUREMENTS: Skin: total length, 194 mm.; tail vertebrae, 108; hind foot, 21. Skull: zygomatic breadth, 10.5; length of maxillary tooth row, 3.

Reithrodontomys laceyi J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 8, art. 14, pp. 235–236, November 21, 1896.
= *Reithrodontomys fulvescens intermedius* Allen. According to A. H. Howell, North Amer. Fauna, no. 36, p. 47, June 5, 1914.

12212/10564. Skin and skull. Adult female. Watson's Ranch, 15 miles south of San Antonio, Texas. March 6, 1896. Collector: H. P. Attwater.

Skin in good condition. Skull crushed but repaired.

MEASUREMENTS: Skin: total length, 156 mm.; tail vertebrae, 89; hind foot, 19. Skull: greatest length, 21; zygomatic breadth, 10; length of maxillary tooth row, 3.

Rufescens GROUP

Reithrodontomys rufescens J. A. Allen and Chapman
Bull. Amer. Mus. Nat. Hist., vol. 9, art. 13, pp. 199–200, June 16, 1897.
= *Reithrodontomys sumichrasti sumichrasti* de Saussure. According to Hooper, Misc. Publ. Mus. Zool. Univ. Michigan, no. 77, p. 71, January 16, 1952.

12483/10802. Skin and skull. Adult male. Jalapa, Veracruz, Mexico. Altitude, 4400 feet. April 5, 1897. Collector: F. M. Chapman. Original number 1111.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 177 mm.; tail vertebrae, 99; hind foot, 20. Skull: greatest length, 22.7; zygomatic breadth, 11.2; length of maxillary tooth row, 3.4.

Reithrodontomys australis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 7, art. 10, pp. 328–329, November 8, 1895.
= *Reithrodontomys sumichrasti australis* Allen. According to Hooper, Misc. Publ. Mus. Zool. Univ. Michigan, no. 77, p. 80, January 16, 1952.

11291/9555. Skin and skull. Adult. Volcan de Irazú, Costa Rica. June, 1892. Collector: A. Alfaro. Museo Nacional de Costa Rica number 521.

Skin in fair condition. Skull with left zyomatic arch broken and a hole in right parietal.

MEASUREMENTS: Skin: total length, 158 mm.; tail vertebrae, 80; hind foot, 18. Skull: greatest length, 22; zygomatic breadth, 11.2; length of maxillary tooth row, 3.3.

Reithrodontomys dorsalis underwoodi Goodwin
Amer. Mus. Novitates, no. 921, p. 2, May 3, 1937.
= *Reithrodontomys sumichrasti modestus* Thomas. According to Hooper, Misc. Publ. Mus. Zool. Univ. Michigan, no. 77, p. 80, January 16, 1952.

124869. Skin and skull. Adult. Monte Verde, Department of Ocotopeque, Honduras. Altitude, 4500 feet. July 24, 1936. Collector: C. F. Underwood. Original number 1337.

Skin in fair condition. Skull complete except zygomatic arches broken.

MEASUREMENTS: Skin: total length, 163 mm.; tail vertebrae, 90; hind foot, 19. Skull: greatest length, 23; zygomatic breadth, 11.5; length of maxillary tooth row, 3.1.

SUBGENUS **APORODON** HOWELL

Mexicanus GROUP

Reithrodontomys mexicanus howelli Goodwin
Amer. Mus. Novitates, no. 560, pp. 1–2, September 16, 1932.

70500. Skin and skull. Adult female. Chichicastenango (Santo Tomas), District of El Quiché, Guatemala. Altitude, 6500 feet. February, 12, 1925. Collector: A. W. Anthony. Original number 139.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 178 mm.; tail vertebrae, 104; hind foot, 18. Skull: greatest length, 22.3; zygomatic breadth, 12; length of maxillary tooth row, 3.4.

Hesperomys (Vesperimus) cherrii J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 3, art. 14, no. 2, pp. 211–213, April 17, 1891.
= *Reithrodontomys cherriei* (Allen). According to Osgood, Proc. Biol. Soc. Washington, vol. 20, p. 50, April 18, 1907. Type fixed.
= *Reithrodontomys mexicanus cherrii* (Allen). According to A. H. Howell, North Amer. Fauna, no. 36, p. 73, June 5, 1914.

3648. Skin. Adult. San José, Costa Rica. June 9, 1889. Collector: C. F. Underwood. Original number 384.

Skin in fair condition. No skull.

MEASUREMENTS: Skin: total length, 207 mm.; tail vertebrae, 112.5; hind foot, 19.

Original type number 3647/2801, preserved in alcohol, skull removed and mismatched. Adult male. La Carpintera, Costa Rica. October-November, 1890. Collector: G. K. Cherrie.

Reithrodontomys costaricensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 7, art. 3, pp. 139–140, May 21, 1895.
= *Reithrodontomys mexicanus cherrii* Allen. According to A. H. Howell, North Amer. Fauna, no. 36, p. 73, June 5, 1914.

9556/7898. Skin and skull. Adult male. La Carpintera, Province of Cartago, Costa Rica. Altitude, 6000 feet. July 15, 1891. Collector: G. K. Cherrie. Museo Nacional de Costa Rica number 493.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 197 mm.; tail vertebrae, 111; hind foot, 20.5. Skull: greatest length, 24.2; zygomatic breadth, 12.5; length of maxillary tooth row, 3.5.

Reithrodontomys mexicanus ocotepequensis Goodwin
Amer. Mus. Novitates, no. 921, pp. 1–2, May 3, 1937.

124860. Skin and skull. Adult male. Monte Verde, Department of Ocotepeque, 30 miles northeast of the city of Octotepeque, Honduras. Altitude, 4500 feet. July 23, 1936. Collector: C. F. Underwood. Original number 1327.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 181 mm.; tail vertebrae, 101; hind foot, 15. Skull: greatest length, 23.8; zygomatic breadth, 11; length of maxillary tooth row, 3.5.

Reithrodontomys mexicanus potrerograndei Goodwin
Amer. Mus. Novitates, no. 1293, pp. 1–2, July 20, 1945.

142464. Skin and skull. Adult male. Agua Buena (Cañas Gordas), west of the real Cañas Gordas, Savanna de Potrero Grande, Costa Rica. Altitude, 3500 feet. December 29, 1944. Collector: C. F. Underwood. Original number 4410.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 175 mm.; tail vertebrae, 111; hind foot, 18. Skull: greatest length, 22.5; zygomatic breadth, 10.8; length of maxillary tooth row, 3.

Reithrodontomys milleri J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 31, art. 7, pp. 77–78, April 19, 1912.
= *Reithrodontomys mexicanus milleri* Allen. According to Hershkovitz, Occas. Papers Mus. Zool. Univ. Michigan, no. 441, p. 2, July 18, 1941.

32596. Skin and skull. Adult male. Munchique, Cauca, Colombia. Altitude, 8325 feet. May 28, 1911. Collector: L. E. Miller. Original number 75.

Skin in good condition. Skull complete except zygomatic arches broken.

MEASUREMENTS: Skin: total length, 185 mm.; tail vertebrae, 107; hind foot, 19. Skull: greatest length, 23; zygomatic breadth, 11.2; length of maxillary tooth row, 3.1.

Reithrodontomys brevirostris Goodwin
Amer. Mus. Novitates, no. 1231, p. 1, June 2, 1943.

139727. Skin and skull. Adult female. Laja

Villa, Quesada, Province of Alajuela, Costa Rica. Altitude, 5000 feet. September 16, 1941. Collector: C. F. Underwood. Original number 4026.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 180 mm.; tail vertebrae, 140; hind foot, 17. Skull: greatest length, 21.1; zygomatic breadth, 11.3; length of maxillary tooth row, 2.8.

Reithrodontomys mexicanus gracilis J. A. Allen and Chapman

Bull. Amer. Mus. Nat. Hist., vol. 9, art. 1, p. 9, February 23, 1897.

= *Reithrodontomys [gracilis] gracilis* Allen and Chapman. According to A. H. Howell, North Amer. Fauna, no. 36, p. 76, June 5, 1914.

12018/10451. Skin and skull. Adult female. Chichen-Itza, Yucatan, Mexico. March 10, 1896. Collector: F. M. Chapman. Original number 996.

Skin in good condition. Skull lacking occipital region.

MEASUREMENTS: Skin: total length, 165 mm.; tail vertebrae, 98; hind foot, 16. Skull: greatest length, 19.5; zygomatic breadth, 10.5; length of maxillary tooth row, 2.8.

Reithrodontomys pacificus Goodwin

Amer. Mus. Novitates, no. 560, p. 2, September 16, 1932.

= *Reithrodontomys gracilis pacificus* Goodwin. According to Hooper, Misc. Publ. Mus. Zool. Univ. Michigan, no. 77, p. 135, January 16, 1952.

79331. Skin and skull. Adult female. Hacienda California, 6 miles from Ocos, Guatemala. Altitude, sea level. November 12, 1927. Collector: A. W. Anthony. Original number 743.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 180 mm.; tail vertebrae, 92; hind foot, 18. Skull: greatest length, 21.2; zygomatic breadth, 11.2; length of maxillary tooth row, 2.9.

Reithrodontomys gracilis anthonyi Goodwin

Amer. Mus. Novitates, no. 560, p. 3, September 16, 1932.

79093. Skin and skull. Adult female. Sacapulas, central Guatemala. Altitude, 4500 feet. March 2, 1928. Collector: A. W. Anthony. Original number 894.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 189 mm.; tail vertebrae, 112; hind foot, 20. Skull: greatest length, 22; zygomatic breadth, 11.5; length of maxillary tooth row, 3.3.

Tenuirostris GROUP

Reithrodontomys rodriguezi Goodwin

Amer. Mus. Novitates, no. 1231, pp. 1–2, June 2, 1943.

141195. Skin and skull. Adult female. Volcan Irazu, Province of Cartago, Costa Rica. Altitude, 9400 feet. August 21, 1941. Collector: C. F. Underwood. Original number 3988.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 190 mm.; tail vertebrae, 107; hind foot, 20. Skull: greatest length, 23.6; zygomatic breadth, 11.8; length of maxillary tooth row, 3.6.

GENUS **PEROMYSCUS** GLOGER

SUBGENUS **HAPLOMYLOMYS** OSGOOD

Sitomys auripectus J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 5, art. 6, pp. 75–76, April 28, 1893.

= *Peromyscus crinitus auripectus* (Allen). According to Osgood, North Amer. Fauna, no. 28, p. 231, April 17, 1909.

5117/3997. Skin and skull. Adult female. Bluff City, San Juan County, Utah. Altitude, 4500 feet. May 14, 1892. Collector: C. P. Rowley. Original number 174.

Skin in fair condition. Skull complete except zygomatic arches broken.

MEASUREMENTS: Skin: total length, 172 mm.; tail vertebrae, 93; hind foot, 22. Skull: greatest length, 25; zygomatic breadth, 12.5; length of maxillary tooth row, 3.5.

Peromyscus cedrosensis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 10, art. 8, pp. pp. 154–155, April 12, 1898.

= *Peromyscus eremicus cedrosensis* Allen. According to Osgood, North Amer. Fauna, no. 28, p. 244, April 17, 1909.

13583/11932. Skin and skull. Adult male. Cerros Island, Lower California, Mexico. April 1, 1897. Collector: A. W. Anthony. Original number 39.

Skin in fair condition. Skull lacking braincase, last two upper right molars, and last lower right molar.

MEASUREMENTS: Skin: total length, 194

mm.; tail vertebrae, 107; hind foot, 20. Skull: length of maxillary tooth row, 3.7.

Peromyscus eremicus propinquus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 10, art. 8, p. 154. April 12, 1898.
= *Peromyscus eremicus eva* Thomas. According to Osgood, North Amer. Fauna, no. 28, p. 245, April 17, 1909.

13579/11928. Skin and skull. Adult male. San Pablo Point (San Pablo Bay), Lower California, Mexico. June 22, 1897. Collector: A. W. Anthony. Original number 73.

Skin in fair condition. Skull complete except for break in zygomatic arches.

MEASUREMENTS: Skin: total length, 190 mm.; tail vertebrae, 100; hind foot, 18.5. Skull: greatest length, 23.4; zygomatic breadth, 11.5; length of maxillary tooth row, 3.7.

SUBGENUS **PEROMYSCUS** GLOGER

Maniculatus GROUP

Peromyscus texanus subarcticus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 12, art. 2, pp. 15–16, March 4, 1899.
= *Peromyscus maniculatus artemesiae* (Rhoads). According to Osgood, North Amer. Fauna, no. 28, p. 58, April 17, 1909.

10107/8411. Skin and skull. Adult female. Deer Lodge County, Montana. August 13, 1894. Collector: L. L. Dyche. Original number 5606.

Skin in fair condition. Skull complete except for nasal bones.

MEASUREMENTS: Skin: total length, 165 mm.; tail vertebrae, 66; hind foot, 19. Skull: greatest length, 24.5; zygomatic breadth, 12.5; length of maxillary tooth row, 3.5.

Hesperomys leucopus nebrascensis Mearns
Bull. Amer. Mus. Nat. Hist., vol. 2, no. 4, pp. 285–287, February 21, 1890. (Name preoccupied by *Hesperomys sonoriensis* var. *nebrascensis* Coues, 1877.)

Peromyscus maniculatus osgoodi Mearns
Proc. Biol. Soc. Washington, vol. 24, p. 102, May 15, 1911. (New name for *Hesperomys leucopus nebrascensis* Mearns.)

1200/747. Skin and skull. Adult male. Calf Creek, Custer County, Montana. October 16, 1887. Collectors: Elliot and J. Richardson. Original number 240.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 154 mm.; tail vertebrae, 64; hind foot, 21. Skull: greatest length, 25.8; zygomatic breadth, 13.2; length of maxillary tooth row, 3.6.

Sitomys americanus thurberi J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 5, art. 12, pp. 185–186, August 18, 1893.
= *Peromyscus maniculatus gambeli* (Baird). According to Osgood, North Amer. Fauna, no. 28, p. 67, April 17, 1909.

6234/4871. Skin and skull. Adult male. San Pedro Martir Mountains, Lower California, Mexico. Altitude, 8200 feet. May 20, 1893. Collector: E. C. Thurber. Original number 101.

Skin in good condition. Skull lacking posterior half of braincase.

MEASUREMENTS: Skin: total length, 152 mm.; tail vertebrae, 67; hind foot, 20. Skull: greatest length, 26; zygomatic breadth, 12.7; length of maxillary tooth row, 3.6.

Peromyscus michiganensis pallescens J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 8, art. 14, pp. 238–239, November 21, 1896.
= *Peromyscus maniculatus pallescens* Allen. According to Osgood, North Amer. Fauna, no. 28, p. 83, April 17, 1909.

12213/10565. Skin and skull. Adult male. San Antonio, Bexar County, Texas. February 7, 1896. Collector: H. P. Attwater. Original number 143.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 127 mm.; tail vertebrae, 52; hind foot, 16. Skull: greatest length, 22; zygomatic breadth, 11.5; length of maxillary tooth row, 3.

Peromyscus dubius J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 10, art. 8, pp. 157–158, April 12, 1898.
= *Peromyscus maniculatus dubius* Allen. According to Osgood, North Amer. Fauna, no. 28, p. 98, April 17, 1909.

13586/11935. Skin and skull. Adult male. Todas Santos Island, Lower California, Mexico. March 11, 1897. Collector: A. W. Anthony. Original number 5.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 175 mm.; tail vertebrae, 82; hind foot, 18. Skull: greatest length, 26.3; zygomatic breadth, 13.5; length of maxillary tooth row, 3.8.

Peromyscus geronimensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 10, art. 8, pp. 156–157, April 12, 1898.
= *Peromyscus maniculatus geronimensis* Allen. According to Osgood, North Amer. Fauna, no. 28, p. 99, April 17, 1909.

13610/11959 (13616/11960). Skin and skull. Adult male. San Geronimo Island, Lower California, Mexico. March 17, 1897. Collector: A. W. Anthony. Original number 28.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 175 mm.; tail vertebrae, 83; hind foot, 20. Skull: greatest length, 25.8; zygomatic breadth, 13.2; length of maxillary tooth row, 3.8.

Peromyscus exiguus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 10, art. 8, p. 157, April 12, 1898.
= *Peromyscus maniculatus geronimensis* Allen. According to Osgood, North Amer. Fauna, no. 28, p. 99, April 17, 1909.

13574/11923. Skin and skull. Adult male. San Martin Island, Lower California, Mexico. March 14, 1897. Collector: A. W. Anthony. Original number 8.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 154 mm.; tail vertebrae, 62; hind foot, 20. Skull: greatest length, 26.7; zygomatic breadth, 13.5; length of maxillary tooth row, 3.8.

Peromyscus cineritius J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 10, art. 8, p. 155, April 12, 1898.
= *Peromyscus maniculatus cineritius* Allen. According to Osgood, North Amer. Fauna, no. 28, p. 100, April 17, 1909.

13589/11938. Skin and skull. Adult male. San Roque Island, Lower California, Mexico. June 21, 1897. Collector: A. W. Anthony. Original number 69.
Skin in fair condition. Skull lacking all molars except first right and first and second left maxillary teeth.
MEASUREMENTS: Skin: total length, 191 mm.; tail vertebrae, 83; hind foot, 21.8. Skull: greatest length, 26.5; zygomatic breadth, 14; length of maxillary tooth row, 4.

Sitomys niveiventris subgriseus Chapman
Bull. Amer. Mus. Nat. Hist., vol. 5, p. 341, December 22, 1893.
= *Peromyscus polionotus polionotus* (Wagner). According to Osgood, North Amer. Fauna, no. 28, p. 104, April 17, 1909.

1745/1025. Skin and skull. Adult male. Gainesville, Alachua County, Florida. January 30, 1889. Collector: F. M. Chapman. Original number 98.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 122 mm.; tail vertebrae, 45; hind foot, 16.5. Skull: greatest length, 21.7; zygomatic breadth, 11.5; length of maxillary tooth row, 3.

Hesperomys niveiventris Chapman
Bull. Amer. Mus. Nat. Hist., vol. 2, p. 117, June 7, 1889.
= *Peromyscus polionotus niveiventris* (Chapman). According to Osgood, North Amer. Fauna, no. 28, p. 105, April 17, 1909.

1762/1042. Skin and skull. Adult male. East Peninsula, opposite Micco, Breward County, Florida. March 3, 1889. Collector: F. M. Chapman. Original number 211.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 156 mm.; tail vertebrae, 61; hind foot, 18. Skull: greatest length, 23.9; zygomatic breadth, 12.4; length of maxillary tooth row, 3.3.

Peromyscus polionotus peninsularis A. H. Howell
Jour. Mammal., vol. 20, no. 3, p. 364, August 14, 1939.

131489. Skin and skull. Adult female. St. Andrews Point Peninsula, Bay County, Florida. April 24, 1938. Collector: D. G. Nichols. Original number 1227.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 130 mm.; tail vertebrae, 52; hind foot, 18. Skull: greatest length, 22.8; zygomatic breadth, 12.3; length of maxillary row tooth, 3.4.

Peromyscus melanotis J. A. Allen and Chapman
Bull. Amer. Mus. Nat. Hist., vol. 9, art. 13, p. 203, June 16, 1897.

12512/10822. Skin and skull. Adult male. Las Vigas, Veracruz, Mexico. Altitude, 8000 feet. April 23, 1897. Collector: F. M. Chapman. Original number 1268.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 160 mm.; tail vertebrae, 66; hind foot, 20.5. Skull: greatest length, 27; zygomatic breadth, 13.5; length of maxillary tooth row, 3.8.

Leucopus GROUP

Peromyscus texanus flaccidus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 19, art. 24, pp. 599–600, November 12, 1903.
= *Peromyscus leucopus tornillo* Mearns. According to Osgood, North Amer. Fauna, no. 28, p. 125, April 17, 1909.

21064. Skin and skull. Adult male. Rio Sestin, northwestern Durango, Mexico. Altitude, 7500 feet. April 13, 1903. Collector: J. H. Batty. Original number 430.
Skin in fair condition. Skull complete.
MEASUREMENTS: Skin: total length, 177 mm.; tail vertebrae, 79; hind foot, 20. Skull: greatest length, 25.3; zygomatic breadth, 13.2; length of maxillary tooth row, 3.8.

Sitomys americanus arizonae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 6, art. 13, pp. 321–322, November 7, 1894.
= *Peromyscus leucopus arizonae* (Allen). According to Osgood, North Amer. Fauna, no. 28, p. 126, April 17, 1909.

8416/6743. Skin and skull. Adult male. Fairbank, Cochise County, Arizona. March 13, 1894. Collectors: Price and Condit. Original number 726.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 158 mm.; tail vertebrae, 67; hind foot, 24. Skull: greatest length, 26.8; zygomatic breadth, 13.3; length of maxillary tooth row, 3.8.

Vesperimus mearnsii J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 3, no. 2, art. 20, pp. 300–302, June 30, 1891.
= *Peromyscus leucopus texanus* (Woodhouse). According to Osgood, North Amer. Fauna, no. 28, p. 127, April 17, 1909.

3400/2673. Skin and skull. Adult female. Brownsville, Cameron County, Texas. February 4, 1891. Collector: F. B. Armstrong. Original number 646.
Skin in good condition. Skull cut off behind parietals.
MEASUREMENTS: Skin: total length, 7 1/4 inches; tail vertebrae, 3 1/2 inches; hind foot, 20 mm. Skull: zygomatic breadth, 13.6; length of maxillary tooth row, 3.2.

Boylii GROUP

Sitomys rowleyi J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 5, art. 6, pp. 76–78, April 28, 1893.
= *P[eromyscus] b[oylii] rowleyi* (Allen). According to Mearns, Proc. U. S. Natl. Mus., vol. 18, p. 3, May 25, 1896 (advance printing).

5070/3950. Skin and skull. Adult female. Nolan's Ranch, San Juan River, San Juan County, Utah. April 20, 1892. Collector: C. P. Rowley. Original number 95.
Skin in good condition, overstuffed. Skull complete.
MEASUREMENTS: Skin: total length, 201 mm.; tail vertebrae, 106; hind foot, 23. Skull: greatest length, 27.5; zygomatic breadth, 13.2; length of maxillary tooth row, 4.

Sitomys rowleyi pinalis Miller
Bull. Amer. Mus. Nat. Hist., vol. 5, art. 18, pp. 331–334, December 16, 1893.
= *Peromyscus boylei rowleyi* (Allen). According to Osgood, North Amer. Fauna, no. 28, p. 145, April 17, 1909.

6818/5426. Skin and skull. Adult male. Granite Gap, Grant County, New Mexico. December 1, 1889. Collector: A. W. Anthony. Original number 23. (No. 338, collection of Gerrit S. Miller.)
Skin in fair condition. Skull complete.
MEASUREMENTS: Skin (dry): total length, 192 mm.; tail vertebrae, 98; hind foot, 21. Skull: greatest length, 27; zygomatic breadth, 13.1; length of maxillary tooth row, 4.

Peromyscus attwateri J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 7, art. 10, pp. 330–331, November 8, 1895.
= *Peromyscus boylei attwateri* Allen. According to Bailey, Proc. Biol. Soc. Washington, vol. 19, p. 57, May 1, 1906.

10401/8712. Skin and skull. Adult female. Turtle Creek, Kerr County, Texas. March 12, 1895. Collector: H. P. Attwater. Original number 7.
Skin in good condition. Skull lacking last upper left molar.
MEASUREMENTS: Skin: total length, 216 mm.; tail vertebrae, 110; hind foot, 23. Skull: greatest length, 28.5; zygomatic breadth, 14.2; length of maxillary tooth row, 3.9.

Peromyscus spicilegus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 9, art. 5, pp. 50–51, March 15, 1897.
= *Peromyscus boylei spicilegus* Allen. According to Osgood, North Amer. Fauna, no. 28, p. 149, April 17, 1909.

8323/6657. Skin and skull. Adult male. Mineral San Sebastian, Mascota, Jalisco, Mexico. December 27, 1893. Collector: A. C. Buller. Original number 11.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 188 mm.; tail vertebrae, 92; hind foot, 21. Skull: greatest length, 27.8; zygomatic breadth, 14; length of maxillary tooth row, 4.4.

Truei GROUP

Sitomys martirensis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 5, art. 12, pp. 187–188, August 18, 1893.

= *Peromyscus truei martirensis* (Allen). According to Osgood, North Amer. Fauna, no. 28, p. 171, April 17, 1909.

6315/4949. Skin and skull. Adult female. San Pedro Martir Mountains, Lower California, Mexico. Altitude, 7000 feet. May 8, 1893. Collector: A. W. Anthony. Original number 20.

Skin in fair condition. Skull complete except for last right upper molar.

MEASUREMENTS: Skin: total length, 196 mm.; tail vertebrae, 104; hind foot, 22. Skull: greatest length, 28; zygomatic breadth, 13.2; length of maxillary tooth row, 4.

Vesperimus nasutus J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 3, no. 2, art. 20, pp. 299–300, June 30, 1891.

= *Peromyscus* [*nasutus*] *nasutus* (Allen). According to Osgood, North Amer. Fauna, no. 28, p. 176, April 17, 1909.

3397/2670. Skin and skull. Adult male. Estes Park, Larimer County, Colorado. January 20, 1891. Collector: W. G. Smith.

Skin in fair condition. Skull lacking posterior part of braincase.

MEASUREMENTS: Skin: total length, 190 mm.; tail vertebrae, 104.7; hind foot, 22.4. Skull: length of maxillary tooth row, 4.

Vesperimus difficilis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 3, art. 20, pp. 298–299, June 30, 1891.

= [*Peromyscus*] *difficilis* (Allen). According to Trouessart, Catalogus mammalium tam viventium quam fossilium, nova editio, vol. 1, p. 518, 1897.

1994/1263. Skin and skull. Adult male. Sierra de Valparaiso, Zacatecas, Mexico. July 27, 1889. Collector: A. C. Buller. Original number 38.

Skin in poor condition. Skull damaged on right side of anterior orbital region and lacking right zygomatic arch.

MEASUREMENTS: Skin: total length, 201 mm.; tail vertebrae, 103; hind foot, 25.4. Skull: greatest length, 29; zygomatic breadth, 14.7; length of maxillary tooth row, 4.5.

Lepturus GROUP

Peromyscus hondurensis Goodwin

Amer. Mus. Novitates, no. 1121, p. 1, June 9, 1941.

126742. Skin and skull. Adult. Muya, 5 miles north of Chinacla, Department of La Paz, Honduras. Altitude, 3000–4000 feet. February 24, 1937. Collector: C. F. Underwood. Original number 1868.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 213 mm.; tail vertebrae, 102; hind foot, 24. Skull: greatest length, 29.4; zygomatic breadth, 14.7; length of maxillary tooth row, 4.8.

Peromyscus guatemalensis tropicalis Goodwin

Amer. Mus. Novitates, no. 560, pp. 3–4, September 16, 1932.

79233. Skin and skull. Adult female. Chimoxan, Guatemala. Altitude, 1500 feet. October 8, 1928. Collector: A. W. Anthony. Original number 1091.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 265 mm.; tail vertebrae, 131; hind foot, 31. Skull: greatest length, 34.5; zygomatic breadth, 15.9; length of maxillary tooth row, 4.9.

Hesperomys (Vesperimus?) nudipes J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 3, no. 2, art. 14, pp. 213–214, April 17, 1891.

= *Peromyscus* [*nudipes*] *nudipes* (Allen). According to Thomas, Ann. Mag. Nat. Hist., ser. 6, vol. 14, p. 365, November, 1894.

3643/2798. Preserved in spirits, skull removed. Adult female. La Carpintera, Province of Cartago, Costa Rica. October, 1890. Collector: G. K. Cherrie.

Skin in good condition. Skull crushed but repaired.

MEASUREMENTS: Skin: total length, 230 mm.; tail vertebrae, 139; hind foot, 28.5; Skull: greatest length, 34.7; zygomatic breadth, 15.7; length of maxillary tooth row, 5.3.

Peromyscus nudipes orientalis Goodwin
Amer. Mus. Novitates, no. 987, pp. 3–4, May 13, 1938.

123494. Skin and skull. Adult male. El Sauce Perálta, a farm near Perálta, Province of Cartago, Costa Rica. Altitude, 1000 feet. July 7, 1931. Collector: C. F. Underwood. Original number 526.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 240 mm.; tail vertebrae, 124; hind foot, 27. Skull: greatest length, 33; zygomatic breadth, 15.7; length of maxillary tooth row, 4.8.

Peromyscus furvus J. A. Allen and Chapman
Bull. Amer. Mus. Nat. Hist., vol. 9, art. 13, pp. 201–203, June 16, 1897.

12450a/10769. Skin and skull. Adult male. Jalapa, Veracruz, Mexico. April 2, 1897. Collector: F. M. Chapman. Original number 1088.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 270 mm.; tail vertebrae, 131; hind foot, 28. Skull: greatest length, 35; zygomatic breadth, 16.7; length of maxillary tooth row, 5.3.

Mexicanus GROUP

Peromyscus nicaraguae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 24, art. 34, pp. 658–659, October 13, 1908.
= *Peromyscus mexicanus saxatilis* Merriam. According to Osgood, North Amer. Fauna, no. 28, p. 203, April 17, 1909.

28282. Skin and skull. Adult male. Matagalpa, Nicaragua. Altitude, about 4000 feet. March 10, 1907. Collector: W. B. Richardson. Original number 20.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 240 mm.; tail vertebrae, 110; hind foot, 30. Skull: greatest length, 33.4; zygomatic breadth, 15.5; length of maxillary tooth row, 4.7.

Peromyscus banderanus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 9, art. 5, p. 51, March 15, 1897.

8327/6661. Skin and skull. Adult female. Terro Tepic, Valle de Banderas, Jalisco, Mexico. February 23, 1893. Collector: A. C. Buller. Original number 8.

Skin in poor condition. Skull complete except for second left upper molar.

MEASUREMENTS: Skin: total length, 226 mm.; tail vertebrae, 112; hind foot, 24. Skull: greatest length, 30.5; zygomatic breadth, 14.8; length of maxillary tooth row, 4.2.

Peromyscus yucatanicus J. A. Allen and Chapman
Bull. Amer. Mus. Nat. Hist., vol. 9, art. 1, pp. 8–9, February 23, 1897.

12001/10434. Skin and skull. Adult male. Chichen-Itza, Yucatan, Mexico. March 17, 1896. Collector: F. M. Chapman. Original number 1008.

Skin in fair condition. Skull complete except zygomatic arches broken.

MEASUREMENTS: Skin: total length, 200 mm.; tail vertebrae, 100; hind foot, 22. Skull: greatest length, 30.5; zygomatic breadth, 14.5; length of maxillary tooth row, 3.8.

SUBGENUS **MEGADONTOMYS** MERRIAM

Peromyscus grandis Goodwin
Amer. Mus. Novitates, no. 560, pp. 4–5, September 16, 1932.

79341. Skin and skull. Adult female. Finca Concepcion, Guatemala. Altitude, 3750 feet. June 16, 1928. Collector: A. W. Anthony. Original number 940.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 315 mm.; tail vertebrae, 150; hind foot, 32. Skull: greatest length, 39; zygomatic breadth, 17.5; length of maxillary tooth row, 5.

SUBGENUS **PODOMYS** OSGOOD

Hesperomys floridanus Chapman
Bull. Amer. Mus. Nat. Hist., vol. 2, no. 3, p. 117, June 7, 1889.
= *Peromyscus floridanus* (Chapman). According to Bangs, Proc. Biol. Soc. Washington, vol. 10, p. 122, November 5, 1896.

1812. Skin without skull. Adult female. Gainesville, Alachua County, Florida. October, 1888. Collector: J. P. H. Bell. Original number 7.

Skin in poor condition and lacking distal half of tail.

MEASUREMENTS: Skin (dry): head and body, 118 mm.; hind foot, 23.8.

GENUS **BAIOMYS** TRUE

Peromyscus paulus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 19, art. 24, pp. 598–599, November 12, 1903.
= *Baiomys taylori paulus* (Allen). According to

Miller, Bull. U. S. Natl. Mus., no. 79, p. 137, December 31, 1912.

21165. Skin and skull. Adult male. Rio Sestin, Northwestern Durango, Mexico. April 15, 1903. Collector: J. H. Batty. Original number 455.

Skin in fair condition. Skull complete except left zygomatic arch broken.

MEASUREMENTS: Skin: total length, 106 mm.; tail vertebrae, 44; hind foot (s.u.), 13. Skull: greatest length, 17.8; zygomatic breadth, 9.3; length of maxillary tooth row, 3.

Peromyscus musculus brunneus J. A. Allen and Chapman
Bull. Amer. Mus. Nat. Hist., vol. 9, art. 13, pp. 203–204, June 16, 1897.
=*Baiomys musculus brunneus* (Allen and Chapman). According to Miller, Bull. U. S. Natl. Mus., no. 79, p. 137, December 31, 1912.

12535/10845. Skin and skull. Adult female. Jalapa, Veracruz, Mexico. April 13, 1897. Collector: F. M. Chapman. Original number 1203.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 120 mm.; tail vertebrae, 50; hind foot, 15. Skull: greatest length, 19.5; zygomatic breadth, 10.4; length of maxillary tooth row, 3.

GENUS **ONYCHOMYS** BAIRD

Onychomys leucogaster fuscogriseus Anthony
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 1, pp. 11–12, March 7, 1913.

33544. Skin and skull. Adult female. Ironside, Malheur County, Oregon. Altitude, 4000 feet. August 20, 1912. Collector: H. E. Anthony. Original number 121.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 140 mm.; tail vertebrae, 34; hind foot, 20. Skull: greatest length, 26; zygomatic breadth, 13.3; length of maxillary tooth row, 4.

GENUS **AKODON** MEYEN

SUBGENUS **AKODON** MEYEN

Boliviensis GROUP

Akodon lutescens (not *lutesens* as in type description) J. A. Allen, Bull. Amer. Mus. Nat. Hist., vol. 14, art. 3, p. 46, January 31, 1901.
=*Akodon andinus lutescens* Allen. According to Sanborn, Jour. Mammal., vol. 30, no. 3, p. 315, August, 1949.

16507. Skin and skull. Adult female. Tirapata, Puno, Peru. Altitude, about 15,000 feet. October 21, 1900. Collector: H. H. Keays. Original number 137.

Skin in good condition. Skull fragmentary, lacking all teeth except lower incisors and lower left molars.

MEASUREMENTS: Skin: total length, 140 mm.; tail vertebrae, 64; hind foot, 19. Skull, subadult paratype (16508): greatest length, 21.3; zygomatic breadth, 10.7; length of maxillary tooth row, 3.5.

SUBGENUS **CHALCOMYS** THOMAS

Urichi GROUP

Akodon chapmani J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 39, p. 600, December 3, 1913.
=[*Akodon*] *Chalcomys aerosus chapmani* Allen. According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, p. 187, October 20, 1939.

34573. Skin and skull. Subadult male. Chipaque, eastern Andes, Colombia. Altitude, 8500 feet. February 22, 1913. Collector: G. M. O'Connell. Chapman, Cherrie, *et al.* Expedition. Original number 13.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 171 mm.; tail vertebrae, 68; hind foot, 23. Skull: greatest length, 26; zygomatic breadth, 13.7; length of maxillary tooth row, 4.4.

Oecomys phelpsi Tate
Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, p. 194, October 20, 1939.
=[*Akodon*] *Chalcomys aerosus* near *chapmani* Allen. According to Tate, Jour. Mammal., vol. 26, no. 3, p. 316, August, 1945.

131164. Skull. South slope of Mt. Auyantepui, Venezuela. Altitude, 3500 feet. February 10, 1938. Collector: G. H. H. Tate. Phelps Venezuela Expedition. Original number 56092.

Skull in good condition. The skin with this skull was mismatched and proves to be *Oryzomys guianae* (Thomas).

MEASUREMENTS: Skull: greatest length, 27 mm.; zygomatic breadth, 13.8; length of maxillary tooth row, 4.6.

Chalcomys aerosus saturatus Tate
Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, p. 187, October 20, 1939.
=*Akodon aerosus saturatus* (Tate). *Chalcomys* is rated here in subgeneric rank.

131020. Skin and skull. Adult male. Mt. Auyan-tepui plateau, middle River Caroni, Venezuela. Altitude, 6000 feet. January 26, 1938. Collector: G. H. H. Tate. Phelps Venezuela Expedition. Original number 5561.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 203 mm.; tail vertebrae, 93; hind foot (s.u.), 22. Skull: greatest length, 20.3; zygomatic breadth, 14.2; length of maxillary tooth row, 4.8.

Microxus affinis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 31, art. 7, pp. 89–90, April 19, 1912.

= *Akodon* [*affinis*] (Allen). According to Anthony, Amer. Mus. Novitates, no. 139, p. 4, October 20, 1924.

32235. Skin and skull. Adult male. San Antonio, near Cali, Cauca, Colombia. Altitude, 8000 feet. January 5, 1911. Collector: W. B. Richardson. Original number 48.

Skin in fair condition. Skull damaged in basi-occipital region and left zygomatic arch.

MEASUREMENTS: Skin: total length, 160 mm.; tail vertebrae, 70; hind foot, 20. Skull: greatest length, 25.5; zygomatic breadth, 13.5; length of maxillary tooth row, 4.1.

Akodon meridensis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 20, art. 28, pp. 329–330, October 8, 1904.

21328. Skin and skull. Adult female. Merida, Venezuela. Altitude, 1630 feet. January 29, 1903. Collector: S. B. Gabaldon. Original number 31.

Skin in good condition. Skull complete except upper incisors broken.

MEASUREMENTS: Skin: total length, 180 mm.; tail vertebrae, 80; hind foot, 25.6. Skull: greatest length, 26; zygomatic breadth, 13.5; length of maxillary tooth row, 4.4.

Akodon tolimae J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 32, art. 29, pp. 480–481, September 25, 1913.

33009. Skin and skull. Adult male. Rio Toché, Quindio Andes, Tolima, Colombia. Altitude, 7000 feet. October 26, 1911. Collector: L. E. Miller. Original number 428.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 165 mm.; tail vertebrae, 76; hind foot, 20.5. Skull: greatest length, 25.5; zygomatic breadth, 13.2; length of maxillary tooth row, 4.2.

Akodon urichi J. A. Allen and Chapman

Bull. Amer. Mus. Nat. Hist., vol. 9, art. 2, pp. 19–20, February 26, 1897.

7725/6110. Skin and skull. Adult female. Caparo, Trinidad, West Indies. March 15, 1894. Collector: F. M. Chapman. Original number 691.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 200 mm.; tail vertebrae, 68; hind foot, 24. Skull: greatest length, 30; zygomatic breadth, 15; length of maxillary tooth row, 5.

Akodon venezuelensis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 12, art. 16, p. 203, December 20, 1899.

14724. Skin and skull. Adult male. Quebrada Secca, near Cumana, Venezuela. December 10, 1898. Collector: F. W. Urich. Original number 73.

Skin in good condition but tail incomplete. Skull lacking last upper molars on both sides.

MEASUREMENTS: Skin: total length, 161 mm.; tail vertebrae, 60; hind foot, 24. Skull: greatest length, 29.5; zygomatic breadth, 14.6; length of maxillary tooth row, 5.

Zygodontomys tapirapoanus J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 35, art. 27, pp. 528–529, July 24, 1916.

= [*Akodon*] *tapirapoanus* (Allen). According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, p. 188, October 20, 1939.

37518. Skin and skull. Adult female. Tapirapoan, Rio Siputuba, Mato Grosso, Brazil. January 19, 1914. Collector: L. E. Miller. Roosevelt Brazilian Expedition. Original number 259.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 210 mm.; tail vertebrae, 80; hind foot, 25. Skull: greatest length, 29.5; zygomatic breadth, 15.5; length of maxillary tooth row, 5.

GENUS **ZYGODONTOMYS** ALLEN

Oryzomys cherriei J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 7, art. 10, pp. 329–330, November 8, 1895.

= *Zygodontomys* [*cherriei*] *cherriei* (Allen). Accord-

ing to Allen, Bull. Amer. Mus. Nat. Hist., vol. 9, art. 3, p. 38, March 11, 1897.

11297/9557. Skin and skull. Adult male. Boruca, Province of Puntarenas, Costa Rica. Altitude, 1600 feet. December 10, 1891. Collector: G. K. Cherrie. Original number 2404.

Skin in fair condition. Skull complete except for last upper left molar.

MEASUREMENTS: Skin: total length, 250 mm.; tail vertebrae, 110; hind foot, 23. Skull: greatest length, 31; zygomatic breadth, 15; length of maxillary tooth row, 4.2.

Zygodontomys griseus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 39, p. 599, December 3, 1913.

34592. Skin and skull. Adult male. El Triumfo, Magadalena Valley, Colombia. Altitude, 600 feet. February 7, 1913. Collector: G. M. O'Connell. Chapman Cherrie, *et al.* Original number 6.

Skin in fair condition, lacking right fore leg. Skull complete except right zygomatic arch broken.

MEASUREMENTS: Skin: total length, 234 mm.; tail vertebrae, 101; hind foot, 26. Skull: greatest length, 25.8; zygomatic breadth, 14; length of maxillary tooth row, 4.2.

Zygodontomys fraterculus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 39, pp. 599–600, December 3, 1913.

32920. Skin and skull. Adult female. Chicoral, Coello River, Tolima, Colombia. Altitude, 1800 feet. October 12, 1911. Collector: L. E. Miller. Original number 397.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 198.5 mm.; tail vertebrae, 83; hind foot, 22. Skull: greatest length, 28; zygomatic breadth, 13.4; length of maxillary tooth row, 4.2.

Oryzomys sanctaemartae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 12, art. 16, pp. 207–208, December 20, 1899.
=*Zygodontomys sanctaemartae* (Allen). According to Gyldenstolpe, K. Svenska Vetensk. Akad. Handl., ser. 3, vol. 2, no. 3, p. 113, 1932.

15312. Skin and skull. Adult female. Bonda, Santa Marta District, Colombia. Altitude, 200 feet. May 26, 1899. Collector: Mrs. H. H. Smith. Morris Jesup Santa Marta Expedition. Original number 472.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 229 mm.; tail vertebrae, 100; hind foot, 27. Skull: greatest length, 30; zygomatic breadth, 15; length of maxillary tooth row, 4.4.

Oryzomys brevicauda J. A. Allen and Chapman
Bull. Amer. Mus. Nat. Hist., vol. 5, art. 13, pp. 215–217, September 21, 1893.
=*Zygodontomys [brevicauda] brevicauda* (Allen and Chapman). According to Allen, Bull. Amer. Mus. Nat. Hist., vol. 9, art. 3, p. 38, March 11, 1897.

5981/4708. Skin and skull. Adult male. Princestown, Trinidad, West Indies. April 12, 1893. Collector: F. M. Chapman. Original number 588.

Skin in good condition. Skull complete except for last upper molar on right and left sides.

MEASUREMENTS: Skin: total length, 258 mm.; tail vertebrae, 104; hind foot, 28. Skull: greatest length, 32.3; zygomatic breadth, 16.3; length of maxillary tooth row, 5.

Akodon frustrator J. A. Allen and Chapman
Bull. Amer. Mus. Nat. Hist., vol. 9, art. 2, pp. 20–21, February 26, 1897.
=*Zygodontomys brevicauda brevicauda* (Allen). According to Gyldenstolpe, K. Svenska Vetensk. Akad. Handl., ser. 3, vol. 2, no. 3, p. 112, 1932.

7599/6125. Skin and skull. Young. Caura, Trinidad, West Indies. April 21, 1894. Collector: F. M. Chapman. Original number 924.

Skin in poor condition. Skull lacking upper left molars and zygomatic arches.

MEASUREMENTS: Skin: total length, 233 mm.; tail vertebrae, 65; hind foot, 20. Skull: greatest length, 25.5; zygomatic breadth, 12.6; length of maxillary tooth row, 4.9.

GENUS **MICROXUS** THOMAS

Microxus latebricola Anthony
Amer. Mus. Novitates, no. 139, pp. 3–4, October 20, 1924.

67506. Skin and skull. Adult male. Hacienda San Francisco, east of Ambato, on Rio Cusutagua, Ecuador. Altitude, 8000 feet. January 12, 1924. Collector: G. H. H. Tate. Original number 2680.

Skin in good condition. Skull broken in occipital region and lacking right zygomatic arch.

MEASUREMENTS: Skin: total length, 163 mm.; tail vertebrae, 80; hind foot, 22. Skull: greatest length, 24.5; zygomatic breadth, 12; length of maxillary tooth row, 3.5.

GENUS **PODOXYMYS** ANTHONY

Podoxymys roraimae Anthony
Amer. Mus. Novitates, no. 383, pp. 4–6, November 4, 1929.

75586. Skin and skull. Adult female. Summit of Mt. Roraima, British Guiana. Altitude, 8600 feet. November 27, 1927. Collector: G. H. H. Tate. Original number 4571.

Skin in good condition. Skull complete except zygomatic arches broken.

MEASUREMENTS: Skin: total length, 196 mm.; tail vertebrae, 95; hind foot, 23. Skull: greatest length, 27.5; zygomatic breadth, 12.3; length of maxillary tooth row, 4.4.

GENUS **LENOXUS** THOMAS

Oxymycterus apicalis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 13, art. 18, p. 224, November 16, 1900.
= *Lenoxus [apicalis] apicalis* (Allen). According to Thomas, Ann. Mag. Nat. Hist., ser. 8, vol. 4, p. 237, 1909.

16064. Skin and skull. Adult male. Santo Domingo Mine, Puno, Peru. Altitude, 6000 feet. January 5, 1900. Collector: H. H. Keays. Original number 25.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 306 mm.; tail vertebrae, 158; hind foot, 36. Skull: greatest length, 38; zygomatic breadth, 17.5; length of maxillary tooth row, 6.

Lenoxus apicalis boliviae Sanborn
Publ. Mus. Hist. Nat. "Javier Prado," Univ. Nac. Mayor de San Marcos, Lima, Peru, ser. A, no. 5, p. 16, August, 1950.

72623. Skin and skull. Adult female. Nequejahuira, Unduavi River, Bolivia. Altitude, 8000 feet. May 21, 1926. Collector: G. H. H. Tate. Original number 4151.

Skin in good condition. Skull complete except for last upper molar on right and left sides.

MEASUREMENTS: Skin: total length, 309 mm.; tail vertebrae, 157; hind foot, 34. Skull: greatest length, 36.6; zygomatic breadth, 17.1; length of maxillary tooth row, 5.5.

GENUS **OXYMYCTERUS** WATERHOUSE

Oxymycterus juliacae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 13, art. 18, pp. 223–224, November 16, 1900.

15804. Skin and skull. Adult male. Santo Domingo Mine, Rio Inambari, Puno, Peru. November 29, 1899. Collector: H. H. Keays. Original number 12.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 250 mm.; tail vertebrae, 112; hind foot, 32. Skull: greatest length, 36.4; zygomatic breadth, 16.5; length of maxillary tooth row, 5.8.

GENUS **SCOTINOMYS** THOMAS

Scotinomys teguina cacabatus Goodwin
Amer. Mus. Novitates, no. 1279, pp. 1–2, February 21, 1945.

139733. Skin and skull. Adult female. Lajas Villa Quesada, 10 miles northwest of Volcan Poas, Province of Alajuela, Costa Rica. Altitude, 5000 feet. September 16, 1941. Collector: C. F. Underwood. Original number 4030.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 145 mm.; tail vertebrae, 60; hind foot, 19. Skull: greatest length, 23.75; zygomatic breadth, 11.6; length of maxillary tooth row, 3.8.

Scotinomys teguina escazuensis Goodwin
Amer. Mus. Novitates, no. 1279, p. 2, February 21, 1945.

138051. Skin and skull. Adult female. Los Higuerones, a community of small farms above Escazu, Province of San José, Costa Rica. Altitude, 5000 feet. November 1, 1940. Collector: C. F. Underwood. Original number 3650.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 129 mm.; tail vertebrae, 46; hind foot, 17. Skull: greatest length, 21.6; zygomatic breadth, 11.3; length of maxillary tooth row, 3.75.

Akodon irazu J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 4, p. 46, February 29, 1904.
= *Scotinomys t[eguina] irazu* (Allen). According to Goodwin, Amer. Mus. Novitates, no. 1279, p. 2, February 21, 1945.

18128. Skin and skull. Adult female. Volcán de Irazu, Province of Cartago, Costa Rica.

Altitude, between 8000 and 10,000 feet. February 23, 1902. Collector: M. A. Carriker, Jr. Original number 109.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 125 mm.; tail vertebrae, 50; hind foot, 17. Skull: greatest length, 22; zygomatic breadth, 11.5; length of maxillary tooth row, 4.

Scotinomys teguina endersi Goodwin

Bull. Amer. Mus. Nat. Hist., vol. 87, art. 5, p. 409, December 31, 1946.

141998. Skin and skull. Adult female. Agua Buena (Cañas Gordas), west of the real Cañas Gordas, Savanna de Potrero Grande, Province of Puntarenas, Costa Rica. Altitude, 3500 feet. November 29, 1942. Collector: C. F. Underwood. Original number 4308.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 138 mm.; tail vertebrae, 58; hind foot, 17.5; Skull: greatest length, 22.4; zygomatic breadth, 11.4; length of maxillary tooth row, 3.7.

Scotinomys longipilosus Goodwin

Amer. Mus. Novitates, no. 1279, pp. 2–3, February 21, 1945.

141223. Skin and skull. Adult male. Volcan de Irazu, Province of Cartago, Costa Rica. Altitude, 9400 feet. August 22, 1941. Collector: C. F. Underwood. Original number 3994.

Skin in good condition. Skull slightly broken in basi-occipital region.

MEASUREMENTS: Skin: total length, 151 mm.; tail vertebrae, 70; hind foot, 18.5. Skull: greatest length, 22.3; zygomatic breadth, 11.2; length of maxillary tooth row, 4.

GENUS **HESPEROMYS** WATERHOUSE

Hesperomys lepidus montanus Sanborn

Publ. Mus. Hist. Nat. "Javier Prado," Univ. Nac. Mayor de San Marcos, Lima, Peru, ser. A, no. 5, pp. 4–5, August, 1950.

72683. Skin and skull. Subadult male. El Cumbre, Bolivia. Altitude, 15,200 feet. February 12, 1926. Collector: G. H. H. Tate. Original number 3638.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 127 mm.; tail vertebrae, 42; hind foot, 18. Skull: greatest length, 20.8; zygomatic breadth, 11.4; length of maxillary tooth row, 3.7.

GENUS **ELIGMODONTIA** CUVIER

Eligmodontia morgani J. A. Allen

Bull. Amer. Nat. Hist., vol. 14, art. 24, pp. 409–410, November 20, 1901.

= *Eligmodontia elegans morgani* J. A. Allen. According to Osgood, Publ. Field Mus. Nat. Hist., zool. ser., vol. 30, p. 199, December 28, 1943.

27689. Skin and skull. Adult female. Basaltic Canyons, 50 miles southeast of Lake Buenos Aires, Argentina (Arroyo Else [=Aike], Patagonia, on label and in original description). April 17, 1898 (not 1895 as in type description). Collector: A. E. Colburn. Princeton University-Patagonia 1896–1899 Expeditions. Original number 127.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 165 mm.; tail vertebrae, 80; hind foot, 23. Skull: greatest length, 24; zygomatic breadth, 12; length of maxillary tooth row, 3.5.

GENUS **PHYLLOTIS** WATERHOUSE

Phyllotis osilae J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 14, art. 3, pp. 44–45, January 31, 1901.

= *Phyllotis darwini osilae* Allen. According to unpublished note of Dr. Wilfred Osgood.

16503. Skin and skull. Adult female. Osila, between San Antonio and Tirapata, Puno, Peru. Altitude, 12,000 feet. October 17, 1900. Collector: H. H. Keays. Original number 128.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 232 mm.; tail vertebrae, 133; hind foot, 25. Skull: greatest length, 29.5; zygomatic breadth, 15; length of maxillary tooth row, 4.5.

Phyllotis fruticicolus Anthony

Amer. Mus. Novitates, no. 32, pp. 1–2, March 4, 1922.

= *Phyllotis andium* Thomas. According to unpublished notes of Dr. Wilfred Osgood.

47674. Skin and skull. Immature male. Guachanamá, Ecuador. Altitude, 9050 feet. October 9, 1920. Collector: H. E. Anthony. Original number 2228.

Skin in good condition. Skull with braincase crushed but repaired, lacking interparietal.

MEASUREMENTS: Skin: total length, 193

mm.; tail vertebrae, 102; hind foot, 24. Skull: greatest length, 24.7; zygomatic breadth, 12.4; length of maxillary tooth row, 4.2.

Phyllotis (Auliscomys) decoloratus Osgood
Publ. Field Mus. Nat. Hist., zool. ser., vol. 10, no. 13, pp. 191–192, October 22, 1915.
= *Phyllotis (Auliscomys) pictus* Thomas. According to Sanborn, Publ. Mus. Hist. Nat. "Javier Prado," Univ. Nac. Mayor de San Marcos, Lima, Peru, ser. A, no. 5, p. 6, August, 1950.

16500. Skin and skull. Adult female. Tirapata, Department of Puno, Peru. Altitude, 16,000 feet. October 21, 1900. Collector: H. H. Keays. Original number 135.
Skin in fair condition. Skull complete.
MEASUREMENTS: Skin: total length, 178 mm.; tail vertebrae, 83; hind foot, 23. Skull: greatest length, 26.6; zygomatic breadth, 15.4; length of maxillary tooth row, 5.1.

Phyllotis fuscus[1] Anthony
Amer. Mus. Novitates, no. 114, pp. 1–2, May 29, 1924.

62050. Skin and skull. Adult female. Contrayerbas, western Andes, Province of Azuay, Ecuador. Altitude, 11,000 feet. June 27, 1922. Collector: G. H. H. Tate. Original number 673.
Skin in good condition. Skull complete, except for broken left zygomatic arch.
MEASUREMENTS: Skin: total length, 198 mm.; tail vertebrae, 85; hind foot, 27. Skull: greatest length, 29.5; zygomatic breadth, 15; length of maxillary tooth row, 4.2.

GENUS **HOLOCHILUS** BRANDT

Holochilus venezuelae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 28, p. 330, October 8, 1904.

16973. Skin and skull. Young female. El Llagual, Venezuela. March 20, 1901. Collector: S. M. Klages. Original number 237.
Skin in fair condition. Skull lacking occipital region.
MEASUREMENTS: Skin: total length, 275 mm.; tail vertebrae, 142; hind foot (dampened), 36.5. Skull: greatest length, 32.5; zygomatic breadth, 28.5; length of maxillary tooth row, 7.1.
The cotype, an old male, number 16964, is a *Nectomys*.

[1] Possibly related to *P. definitus* Osgood.

GENUS **SIGMODON** SAY AND ORD

Hispidus GROUP

Sigmodon hispidus littoralis Chapman
Bull. Amer. Mus. Nat. Hist., vol. 2, no. 3, art. 10, p. 118, June 7, 1889.

1837/1110. Skin and skull. Adult female. East Peninsula, opposite Micco, Brevard County, Florida. March 4, 1889. Collector: F. M. Chapman. Original number 213.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 275 mm.; tail vertebrae, 106; hind foot, 31. Skull: greatest length, 36; zygomatic breadth, 29.9; length of maxillary tooth row, 6.3.

Sigmodon hispidus arizonae Mearns
Bull. Amer. Mus. Nat. Hist., vol. 2, no. 4, art. 20, pp. 287–290, February 21, 1890.

2370/1841. Skin and skull. Adult male. Fort Verde, Yavapai County, Arizona. September 18, 1885. Collector: E. A. Mearns. Original number 242.
Skin in fair condition. Skull complete.
MEASUREMENTS: Skin: total length, 320 mm.; tail vertebrae, 116; hind foot, 36. Skull: greatest length, 40.2; zygomatic breadth, 22.3; length of maxillary tooth row, 6.7.

Sigmodon mascotensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 9, art. 5, pp. 54–55, March 15, 1897.
= *Sigmodon hispidus mascotensis* Allen. According to Bailey, Proc. Biol. Soc. Washington, vol. 15, p. 108, June 2, 1902.

8321/6655. Skin and skull. Adult female. Mineral San Sebastian, Mascota, Jalisco, Mexico. Altitude, 3300 feet. June 7, 1893. Collector: A. C. Buller. Original number 0001.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 272 mm.; tail vertebrae, 117; hind foot, 32. Skull: greatest length, 34.5; zygomatic breadth, 19.5; length of maxillary tooth row, 6.2.

Sigmodon colimae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 9, art. 5, pp. 55–56, March 15, 1897.
= *Sigmodon hispidus mascotensis* Allen. According to Bailey, Proc. Biol. Soc. Washington, vol. 15, p. 108, June 2, 1902.

2648/2318. Skin and skull. Adult male. Plains of Colima, state of Colima, Mexico.

January 11, 1890. Collector: A. C. Buller. Original number 1234.

Skin in fair condition. Skull lacking right zygomatic arch.

MEASUREMENTS: Skin: total length, 235 mm.; tail vertebrae, 105; hind foot, 32. Skull: greatest length, 35.8; zygomatic breadth, 20; length of maxillary tooth row, 6.5.

Sigmodon hispidus griseus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 24, art. 34, p. 657, October 13, 1908.

28497. Skin and skull. Adult male. Chontales (in the coastal lowlands), Nicaragua. Altitude, between 500 and 1000 feet. February 20, 1908. Collector: W. B. Richardson. Original number 200.

Skin in fair condition, lacking distal half of tail. Skull complete.

MEASUREMENTS: Skin: head and body, 180 mm.; hind foot, 30. Skull: greatest length, 36.5; zygomatic breadth, 21.5; length of maxillary tooth row, 6.5.

Sigmodon baileyi J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 19, art. 24, pp. 601–602, November 12, 1903.
= *Sigmodon hispidus baileyi* Allen. According to Miller, Bull. U. S. Natl. Mus., no. 79, p. 183, December 31, 1912.

20993. Skin and skull. Adult female. La Cienega de las Vacas, northwest Durango, Mexico. Altitude, 8500 feet. March 27, 1903. Collector: J. H. Batty. Original number 335.

Skin in good condition. Skull complete except for tip of nasals.

MEASUREMENTS: Skin: total length, 198 mm.; tail vertebrae, 90; hind foot, 28.5. Skull: greatest length, 31; zygomatic breadth, 18; length of maxillary tooth row, 6.

Sigmodon borucae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 9, art. 3, pp. 40–42, March 11, 1897.
= *Sigmodon hispidus borucae* Allen. According to Bailey, Proc. Biol. Soc. Washington, vol. 15, p. 112, June 2, 1902.

11761/10045. Skin and skull. Adult female. Boruca, Department of Puntarenas, Costa Rica. Altitude, 1600 feet. December 12, 1891. Collector: G. K. Cherrie. Original number 2553.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 275 mm.; tail vertebrae, 115; hind foot, 30. Skull: greatest length, 34.3; zygomatic breadth, 18; length of maxillary tooth row, 5.9.

Sigmodon borucae chiriquensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 4, pp. 68–69, February 29, 1904.
= *Sigmodon hispidus chiriquensis* Allen. According to Miller, Bull. U. S. Natl. Mus., no. 79, p. 184, December 31, 1912.

18789. Skin and skull. Adult male. Boqueron, Chiriqui, Panama. October 28, 1901. Collector: J. H. Batty. Original number 829.

Skin in fair condition, lacking distal half of tail. Skull complete.

MEASUREMENTS: Skin: total length, 280 mm.; tail vertebrae, 105; hind foot, 32. Skull: greatest length, 35.5; zygomatic breadth, 19; length of maxillary tooth row, 6.4.

Sigmodon zanjonensis Goodwin
Amer. Mus. Novitates, no. 528, pp. 1–2, May 23, 1932.
= *Sigmodon hispidus zanjonensis* Goodwin. According to Goodwin, Bull. Amer. Mus. Nat. Hist., vol. 68, art. 1, p. 53, December 12, 1934.

69277. Skin and skull. Adult female. Zanjon, Guatemala. Altitude, 9000 feet. January 8, 1925. Collector: A. W. Anthony. Original number 121.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 280 mm.; tail vertebrae, 124; hind foot, 30. Skull: greatest length, 33.1; zygomatic breadth, 18.5; length of maxillary tooth row, 5.6.

Sigmodon vulcani J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 22, art. 12, pp. 247–248, July 25, 1906.

26310. Skin and skull. Adult female. Volcan de Fuego, Jalisco, Mexico. Altitude, 10,000 feet. July 25, 1905. Collector: J. H. Batty. Original number 2330.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 255 mm.; tail vertebrae, 95; hind foot, 32. Skull: greatest length, 34; zygomatic breadth, 18.6; length of maxillary tooth row, 6.

Fulviventer GROUP

Sigmodon fulviventer J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 2, no. 3, art. 3, pp. 180–181, October 21, 1889.

1975/1244. Skin and skull. Adult male. Zacatecas, state of Zacatecas, Mexico. August 17, 1889. Collector: A. Buller. Original number 59.

Skin in poor condition. Skull lacking basal portion of the cranium.

MEASUREMENTS: Skin: head and body, 6.4 inches; tail vertebrae, 4.25 inches; hind foot, 1.3 inches. Skull: greatest length, 35.4 mm.; zygomatic breadth, 21.3; length of maxillary tooth row, 6.3.

SOUTH AMERICAN FORMS

Sigmodon chonensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 29, pp. 479–480, September 25, 1913.

34290. Skin and skull. Adult female. Chone, Manavi Province, Ecuador. Altitude, less than 100 feet. December 16, 1912. Collector: W. B. Richardson. Original number 100.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 260 mm.; tail vertebrae, 80; hind foot, 30. Skull: greatest lenght, 36; zygomatic breadth, 20; length of maxillary tooth row, 6.5.

Sigmodon inopinatus Anthony
Amer. Mus. Novitates, no. 114, pp. 3–4, May 29, 1924.

66310. Skin and skull. Adult female. Urbina, slopes of Chimborazo, Ecuador. Altitude, 11,400 feet. October 26, 1923. Collector: G. H. H. Tate. Original number 2358.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 259 mm.; tail vertebrae, 99; hind foot, 31. Skull: greatest length, 35.6; zygomatic breadth, 21.5; length of maxillary tooth row, 6.8.

Sigmodon peruanus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 9, art. 8, pp. 118–119, April 26, 1897.

11818/10110. Skin and skull. Adult female. Trujillo, Peru. Altitude, 200 feet. May 25, 1895. Collector: O. T. Baron.

Skin in fair condition. Skull with basal part of braincase crushed, teeth showing extreme wear.

MEASUREMENTS: Skin: total length, 245 mm.; tail vertebrae, 95; hind foot, 31. Skull: greatest length, 36.3; zygomatic breadth, 23.4; length of maxillary tooth row, 6.5.

GENUS **NEOTOMA** SAY AND ORD

Floridana GROUP

Neotoma campestris J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 6, art. 13, pp. 322–323, November 7, 1894.
= *Neotoma floridana campestris* Allen. According to Kellogg, Kansas Univ. Mus. Nat. Hist. Publ. 1, zool. ser., vol. 1, no. 1, p. 5, January 30, 1914.

7765/6742. Skin and skull. Adult female. Pendennis, Lane County, Kansas. May 8, 1894. Collector: W. W. Granger. Original number 5.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 388 mm.; tail vertebrae, 170; hind foot, 40. Skull: greatest length, 50; zygomatic breadth, 26.5; length of maxillary tooth row, 9.5.

Neotoma attwateri Mearns
Proc. U. S. Natl. Mus., vol. 19, pp. 721–723, July 30, 1897.
= [*Neotoma floridana*] *attwateri* Mearns. According to Elliot, A synopsis of the mammals of North America, p. 157, March, 1901.

11964/10402. Skin and skull. Adult female. Lacey's Ranch, Turtle Creek, Kerr County, Texas. December 10, 1895. Collector: H. P. Attwater. Original number 113.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 387 mm.; tail vertebrae, 178; hind foot, 39.4. Skull: greatest length, 53; zygomatic breadth, 27.3; length of maxillary tooth row, 8.5.

Neotoma micropus canescens J. A. Allen[1]
Bull. Amer. Mus. Nat. Hist., vol. 3, no. 2, art. 20, pp. 285–287, June 30, 1891.

3030/2350. Skin and skull. Adult male. North Beaver Creek, Beaver County, Oklahoma. October 20, 1889. Collector: W. B. Richardson. Original number 570.

Skin in fair condition. Skull complete.

Measurements: Skin (dry): total length, 322 mm.; tail vertebrae, 127; hind foot, 37. Skull: greatest length, 48.5; zygomatic breadth, 27; length of maxillary tooth row, 8.8.

[1] No type was designated in the original description, but Allen tied his type label on number 3030/2550. Possibly in error Allen marked number 3031/2551, a female, as type in the catalogue and in his personal separate, but both entries were later changed in favor of the labeled type.

Albigula GROUP

Neotoma intermedia durangae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 19, art. 24, pp. 602–603, November 12, 1903.
= *Neotoma albigula durangae* Allen. According to Goldman, North Amer. Fauna, no. 31, p. 37, October, 1910.

21185. Skin and skull. Adult male. San Gabriel, northwestern Durango, Mexico. Altitude, 7000 feet. February 20, 1903. Collector: J. H. Batty. Original number 251.
Skin in fair condition. Skull complete.
MEASUREMENTS: Skin: total length, 356 mm.; tail vertebrae, 159; hind foot, 33. Skull: greatest length, 45; zygomatic breadth, 23.6; length of maxillary tooth row, 8.8.

Intermedia GROUP

Neotoma anthonyi J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 10, art. 8, pp. 151–152, April 12, 1898.

13564/11913. Skin and skull. Adult male. Todos Santos Island, Lower California, Mexico. March 10, 1897. Collector: A. W. Anthony. Original number 2.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 345 mm.; tail vertebrae, 146; hind foot, 35.5. Skull: greatest length, 46.3; zygomatic breadth, 25; length of maxillary tooth row, 8.3.

Mexicana GROUP

Neotoma chrysomelas J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 24, art. 34, pp. 653–654, October 13, 1908.

28372. Skin and skull. Adult female. Matagalpa, Nicaragua. September 17, 1907. Collector: W. B. Richardson. Original number 91.
Skin in fair condition. Skull complete.
MEASUREMENTS: Skin: total length, 380 mm.; tail vertebrae, 170; hind foot, 36. Skull: greatest length, 47; zygomatic breadth, 24.9; length of maxillary tooth row, 9.

SUBGENUS **TEONOMA** GRAY

Neotoma grangeri J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 6, art. 13, pp. 324–325, November 7, 1894.
= *Neotoma cinerea orolestes* Merriam. According to Goldman, North Amer. Fauna, no. 31, p. 104, October 19, 1910.

8391/6718. Skin and skull. Adult male. Custer, Custer County, South Dakota. August 4, 1894. Collector: W. W. Granger. Original number 226.
Skin in fair condition. Skull complete.
MEASUREMENTS: Skin: total length, 15 8/16 inches; tail vertebrae, 6 13/16 inches; hind foot, 1 8/16 inches. Skull: greatest length, 51 mm.; zygomatic breadth, 27.5; length of maxillary tooth row, 9.8.

Neotoma cinnamomea J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 7, art. 10, pp. 331–332, November 8, 1895.
= *Neotoma cinerea cinnamomea*[1] Allen. According to Warren, The mammals of Colorado, p. 221, 1942.

11092/9387. Skin and skull. Adult male. Kinney Ranch, Bitter Creek, Sweetwater County, Wyoming. July 9, 1895. Collector: W. W. Granger. Original number 674.
Skin in good condition. Skull complete except for last right lower molar.
MEASUREMENTS: Skin: total length, 356 mm.; tail vertebrae, 151; hind foot, 40. Skull: greatest length, 49; zygomatic breadth, 25.5; length of maxillary tooth row, 9.7.

Neotoma rupicola J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 6, art. 13, pp. 323–324, November 7, 1894.
= *Neotoma cinerea rupicola* Allen. According to Goldman, North Amer. Fauna, no. 31, p. 107, October 19, 1910.

8390/6717. Skin and skull. Adult male. Corral Draw, Pine River, Indian Reservation, southeastern base of Black Hills, South Dakota. Altitude, 3700 feet. August 27, 1894. Collector: W. W. Granger. Original number 371.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 336 mm.; tail vertebrae, 154; hind foot, 40. Skull: greatest length, 47.5; zygomatic breadth, 24.5; length of maxillary tooth row, 10.3.

GENUS **ICHTHYOMYS** THOMAS

Ichthyomys tweedii Anthony
Amer. Mus. Novitates, no. 20, pp. 1–2, 4, November 3, 1921.

47798. Skin and skull. Adult male. Portovelo,

[1] Robert B. Finley, Jr., of the University of Kansas writes me that he is referring *Neotoma cinerea cinnamomea* Allen to *Neotoma cinerea arizonae* Merriam.

Province of El Oro, Ecuador. Altitude, 2000 feet. July 16, 1920. Collector: H. E. Anthony. Original number 1664.

Skin in good condition. Skull complete except for zygomatic arches.

MEASUREMENTS: Skin: total length, 317 mm.; tail vertebrae, 150; hind foot, 36. Skull: greatest length, 35.3; zygomatic breadth, 18.8; length of maxillary tooth row, 5.

Ichthyomys orientalis Anthony
Amer. Mus. Novitates, no. 55, pp. 7–8, January 31, 1923.

62382. Skin and skull. Adult female (in type description), male (on original label). Near Rio Napo, eastern Ecuador. Altitude, 3000 feet. September 15, 1921. Collector: Ludovic Söderström.

Skin in good condition. Skull complete except for zygomatic arches.

MEASUREMENTS: Skin: total length, 390 mm.; tail vertebrae, 185; hind foot, 37. Skull: greatest length, 35.6; zygomatic breadth, 17.5; length of maxillary tooth row, 4.3.

GENUS **DAPTOMYS** ANTHONY

Daptomys venezuelae Anthony
Amer. Mus. Novitates, no. 383, pp. 2–4, November 4, 1929.

69907. Skin and skull. Adult male. Neveri, about 15 miles west of Cumanacoa, northern Venezuela. Altitude, 2400 feet. March 8, 1925. Collector: G. H. H. Tate. Original number 3267.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 236 mm.; tail vertebrae, 105; hind foot, 27. Skull: greatest length, 28.5; zygomatic breadth, 13.6; length of maxillary tooth row, 4.0.

GENUS **NEUSTICOMYS** ANTHONY

Neusticomys monticolus Anthony
Amer. Mus. Novitates, no. 20, pp. 2–4, November 3, 1921.

46574. Skin and skull. Adult female. Nono Farm, "San Francisco," near Quito, Ecuador. Altitude, 10,500 feet. February 16, 1916. Collector: L. Söderström.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 204 mm.; tail vertebrae, 111; hind foot, 25. Skull: greatest length, 26; zygomatic breadth, 12; length of maxillary tooth row, 4.3.

GENUS **CALOMYSCUS** THOMAS

Calomyscus elburzensis Goodwin
Amer. Mus. Novitates, no. 1050, pp. 1–2, December 1, 1939.
= *Calomyscus bailwardi elburzensis* Goodwin. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 621, November 19, 1951.

88838. Skin and skull. Adult female. Degermatie, Kurkhud Mountains, district of Bujnurd, Iran. Altitude, 4000 feet. November 14, 1938. Collector: G. G. Goodwin. Original number 3804.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 160 mm.; tail vertebrae, 80; hind foot, 21. Skull: greatest length, 25; zygomatic breadth, 12.8; length of maxillary tooth row, 3.3.

GENUS **CRICETULUS** MILNE-EDWARDS

Cricetulus andersoni nigrescens G. M. Allen
Amer. Mus. Novitates, no. 179, p. 2, June 23, 1925.
= *Cricetulus longicaudatus nigrescens* Allen. According to Argyropulo, Zeitschr. f. Säugetierk., vol. 8, p. 147, 1933.

56307. Skin and skull. Adult male. 100 miles northeast of Peiping, Hopei, China. March, 1922. Collector: R. C. Andrews. Third Asiatic Expedition. Original number 540.

Skin in good condition. Skull complete except left zygomatic arch broken.

MEASUREMENTS: Skin (dry): total length, 138 mm.; tail vertebrae, 29.5; hind foot, 18.2. Skull: greatest length, 26; zygomatic breadth, 12.8; length of maxillary tooth row, 4.1.

Cricetulus migratorius curtatus G. M. Allen
Amer. Mus. Novitates, no. 179, pp. 3–4, June 23, 1925.
= *Cricetulus eversmanni curtatus* Allen. According to Allen, The mammals of China and Mongolia, Natural history of Central Asia, vol. 11, pt. 2, p. 764, September 3, 1940.

57873. Skin and skull. Adult male. Iren Dabasu, Mongolia. May 2, 1922. Collector: R. C. Andrews. Third Asiatic Expedition. Original number 914.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 133 mm.; tail vertebrae, 18; hind foot (s.u.), 17. Skull: greatest length, 32.6; zygomatic

breadth, 18; length of maxillary tooth row, 4.9.

Cricetulus triton fuscipes G. M. Allen
Amer. Mus. Novitates, no. 179, p. 5, June 23, 1925.

56792. Skin and skull. Adult male. Peiping, Hopei, China. 1921. Collector: R. C. Andrews. Central Asiatic Expedition. Original number 444.

Skin in good condition. Skull with right side of braincase crushed but repaired.

MEASUREMENTS: Skin (dry): total length, 225 mm.; tail vertebrae, 50; hind foot, 23.5. Skull: greatest length, 36.5; zygomatic breadth, 17.3; length of maxillary tooth row, 5.5.

Cricetulus triton collinus G. M. Allen
Amer. Mus. Novitates, no. 179, pp. 5–6, June 23, 1925.

56389. Skin and and skull. Adult female. Taipai Shan, Tsing-ling Mountains, Shensi, China. October 10, 1921. Collector: R. C. Andrews. Third Asiatic Expedition. Original number 153.

Skin in good condition. Skull not located.

MEASUREMENTS: Skin: total length, 227 mm.; tail vertebrae, 72; hind foot, 25.

GENUS **MYOSPALAX** LAXMANN

Myotalpa rufescens J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 26, art. 29, p. 428, October 21, 1909.
= *Myospalax fontanierii cansus* (Lyon). According to G. M. Allen, The mammals of China and Mongolia, Natural history of Central Asia, vol. 11, pt. 2, p. 926, September 3, 1940.

27549. Skin and skull. Adult female. Taipai Shan, Shensi, China. July 24, 1905. Purchased from Alan Owston of Yokohama, taken by his agents.

Skin in poor condition. Skull cut off behind first upper molars.

MEASUREMENTS: Skin: total length, 219 mm.; tail vertebrae, 33; hind foot, 32.

GENUS **SYNAPTOMYS** BAIRD

Synaptomys (Mictomys) andersoni J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 19, art. 21, pp. 554–555, October 10, 1903.
= *Synaptomys borealis dalli* Merriam. According to A. B. Howell, North Amer. Fauna, no. 50, p. 24, June 30, 1927.

20467. Skin and skull. Immature female. Level Mountain, northern British Columbia, Canada. September 11, 1902. Collector: M. P. Anderson. Original number 736. Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 120 mm.; tail vertebrae, 25; hind foot, 18. Skull: greatest length, 24.6; zygomatic breadth, 14.5; length of maxillary tooth row, 6.6.

Synaptomys (Mictomys) chapmani J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 19, art. 21, p. 555, October 10, 1903.
= *Synaptomys borealis chapmani* Allen. According to A. B. Howell, North Amer. Fauna, no. 50, p. 25, June 30, 1927.

16908. Skin and skull. Adult male. Glacier, Selkirk Range, British Columbia, Canada. July 20, 1901. Collector: F. M. Chapman. Original number 7.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 134 mm.; tail vertebrae, 21; hind foot, 20. Skull: greatest length, 26; zygomatic breadth, 15.5; length of maxillary tooth row, 7.

GENUS **LEMMUS** LINK

Lemmus obensis chrysogaster J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 19, art. 4, pp. 153–154, March 31, 1903.
= *Lemmus sibiricus chrysogaster* Allen. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 656, November 19, 1951.

18672. Specimen in alcohol, skull removed. Juvenal. Gichiga, west coast of Okhotsk Sea, Siberia. July 26, 1901. Collector: N. G. Buxton. Jesup North Pacific Expedition.

Skin in poor condition, scalp detached. Skull complete.

MEASUREMENTS: Skin: total length, 97 mm.; tail vertebrae, 10; hind foot, 17. Skull: greatest length, 25; zygomatic breadth, 16.5; length of maxillary tooth row, 7.

GENUS **CLETHRIONOMYS** TILESIUS

Evotomys jochelsoni J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 19, art. 4, p. 148, March 31, 1903.
= *Clethrionomys rutilus jochelsoni* (Allen). According to Ellerman, The families and genera of living rodents, vol. 2, p. 570, March 21, 1941.

19538. Specimen in alcohol, skull removed.

Adult female. Verkhne, Kolinsk, Kolyma River, Siberia. February, 1902. Collector: W. Jochelson. Jesup North Pacific Expedition.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 107 mm.; tail vertebrae, 22; hind foot, 17. Skull: greatest length, 21.8; zygomatic breadth, 11.7; length of maxillary tooth row, 4.7.

Evotomys fuscodorsalis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 6, art. 3, pp. 103–104, April 14, 1894.

= *Clethrionomys gapperi gapperi* Vigors. According to Ellerman, The families and genera of living rodents, vol. 2, p. 573, March 21, 1941.

6653/5273. Skin and skull. Adult male. Trousers Lake, New Brunswick, Canada. October 17, 1893. Collectors: C. P. and J. Rowley. Original number 1263.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 129 mm.; tail vertebrae, 40; hind foot, 16.5. Skull: greatest length, 23; zygomatic breadth, 12.2; length of maxillary tooth row, 4.8.

GENUS **ONDATRA** LINK

Fiber zibethicus pallidus Mearns

Bull. Amer. Mus. Nat. Hist., vol. 2, no. 4, art. 20, pp. 280–283, February 21, 1890.

= *Ondatra zibethica pallida* Mearns. According to Miller, Bull. U. S. Natl. Mus., vol. 79, p. 232, December 31, 1912.

2346/1767 (cotype). Skin and skull. Adult male. September 17, 1885.

2348/1763 (cotype). Skin and skull. Adult female. August 28, 1886. Fort Verde, Yavapai County, Arizona. Collector: E. A. Mearns. Original numbers 241 and 454, respectively.

Skins in fair condition. Skulls: 1767 complete; 1763 not located.

MEASUREMENTS: Skins: total length, 480 mm., 493; tail vertebrae, 208, 210; hind foot, 67, 68. Skull: greatest length, 58.2; zygomatic breadth, 36.2; length of maxillary tooth row, 14.5.

GENUS **PHENACOMYS** MERRIAM

Phenacomys constablei J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 12, art. 1, p. 4, March 4, 1899.

= *Phenacomys intermedius intermedius* Merriam. According to A. B. Howell, North Amer. Fauna, no. 48, p. 15, October 12, 1926.

14406. Skin and skull. Adult female. Telegraph Creek, British Columbia, Canada. August 25, 1897. Collector: A. J. Stone. Original number 25.

Skin in fair condition. Skull with braincase crushed but repaired.

MEASUREMENTS: Skin: total length, 124 mm.; tail vertebrae, 31.7; hind foot, 19. Skull: greatest length, 21.2; zygomatic breadth, 13; length of maxillary tooth row, 6.

GENUS **MICROTUS** SCHRANK

Pennsylvanicus GROUP

Arvicola insperatus J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 6, art. 15, p. 347, December 7, 1894.

= *Microtus pennsylvanicus insperatus* (Allen). According to Anderson, Canadian Field Nat., no. 57, p. 92, October 17, 1943.

8405/6731. Skin and skull. Adult male. Custer, Black Hills, Custer County, South Dakota. August 9, 1894. Collector: W. W. Granger. Original number 279.

Skin in fair condition. Skull complete except for break in zygomatic arch on right side.

MEASUREMENTS: Skin: total length, 154 mm.; tail vertebrae, 43; hind foot, 19. Skull: greatest length, 27.5; length of maxillary tooth row, 6.5.

Microtus stonei J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 12, art. 1, pp. 5–6, March 4, 1899.

= *Microtus pennsylvanicus drummondii* (Audubon and Bachman). According to Anderson, Bull. Natl. Mus. Canada, no. 102, biol. ser., no. 31, p. 155, 1946.

14404. Skin and skull. Adult female. Fort Liard, Liard River, British Columbia, Canada. May 17, 1898. Collector: A. J. Stone. Original number 54.

Skin in fair condition. Skull lacking occipital and basi-occipital regions.

MEASUREMENTS: Skin: total length, 143 mm.; tail vertebrae, 35; hind foot, 19. Skull: zygomatic breadth, 13.8; length of maxillary tooth row, 6.5.

Arvicola (Mynomes) aztecus J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 5, art. 6, pp. 73–74, April 28, 1893.

= *Microtus pennsylvanicus aztecus* (Allen). According to Hall and Cockrum, Univ. Kansas Publ., Mus. Nat. Hist., vol. 5, p. 307, November 17, 1952.

5170/4050. Skin and skull. Adult male. Aztec, San Juan County, New Mexico. Altitude, 5900 feet. March 20, 1892. Collector: C. P. Rowley. Original number 12.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 6 5/8 inches; tail vertebrae, 1 3/4 inches; hind foot, 1 3/4 inches. Skull: greatest length, 29; zygomatic breadth, 16; length of maxillary tooth row, 7.2.

Longicaudus GROUP

Microtus vellerosus J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 12, art. 1, p. 7, March 4, 1899.

= *Microtus longicaudus vellerosus* Allen. According to Anderson and Rand, Canadian Field Nat., vol. 58, no. 1, p. 20, January-February, 1944.

14403. Skin and skull. Adult female. Upper Liard River, British Columbia, Canada. November 29, 1897. Collector: A. J. Stone. Original number 19.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 173 mm.; tail vertebrae, 59; hind foot, 19. Skull: greatest length, 27; zygomatic breadth, 15; length of maxillary tooth row, 6.

Microtus cautus J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 12, art. 1, p. 7, March 4, 1899.

= *Microtus mordax vellerosus* Allen. According to Allen, Bull. Amer. Mus. Nat. Hist., vol. 19, p. 548, October 10, 1903.

= *Microtus longicaudus vellerosus* Allen. According to Anderson, Bull. Natl. Mus. Canada, biol. ser., no. 31, p. 159, 1946.

14405. Skin and skull. Adult male. Hells Gate, Liard River, British Columbia, Canada. May 4, 1898. Collector: A. J. Stone. Original number 46.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 165 mm.; tail vertebrae, 54; hind foot, 20.5. Skull: greatest length, 25.6; zygomatic breadth, 15; length of maxillary tooth row, 6.3.

Arvicola leucophaeus J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 6, art. 13, pp. 320–321, November 7, 1894.

= *Microtus longicaudus leucophaeus* (Allen). According to Goldman, Jour. Mammal., vol. 19, p. 491, November 14, 1938.

8409/6734. Skin and skull. Adult male. Graham Mountains, Graham County, Arizona. July 18, 1894. Collectors: Price and Condit. Original number 1146.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 173 mm.; tail vertebrae, 50; hind foot, 22.5; Skull: greatest length, 27.7; zygomatic breadth, 15; length of maxillary tooth row, 6.5.

Mexicanus GROUP

Arvicola mogollonensis Mearns

Bull. Amer. Mus. Nat. Hist., vol. 2, no. 4, art. 20, pp. 283–284, February 21, 1890.

= *Microtus mexicanus mogollonensis* (Mearns). According to Bailey, North Amer. Fauna, no. 53, p. 204, March 1, 1932.

2351/1403. Skin and skull. Subadult male. Baker's Butte, Mogollon Mountains, Yavapai County, Arizona. July 26, 1887. Collector: E. A. Mearns. Original number 613.

Skin in poor condition, tail bones not removed. Skull complete.

MEASUREMENTS: Skin: total length, 121 mm.; tail vertebrae, 31; hind foot, 18. Skull: greatest length, 23; zygomatic breadth, 12.8; length of maxillary tooth row, 6.

Arvalis GROUP

Microtus arvalis khorkoutensis Goodwin

Amer. Mus. Novitates, no. 1082, p. 8, July 18, 1940.

88764. Skin and skull. Adult female. Dasht, Khorkout Range, district of Bujnurd, northeastern Iran. Altitude, 5000 feet. November 22, 1938. Collector: G. G. Goodwin. Legendre 1938 Iran Expedition. Original number 3863.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 150 mm.; tail vertebrae, 35; hind foot, 19. Skull: greatest length, 26.4; zygomatic breadth, 15.5; length of maxillary tooth row, 6.5.

Microtus hyrcania Goodwin

Amer. Mus. Novitates, no. 1082, pp. 8–9, July 18, 1940.

= *Microtus* (?) *socialis hyrcania* Goodwin. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 695, November 19, 1951.

88760. Skin and skull. Adult male. Gouladah,

between Astrabad and Bujnurd, east side of the Gurgan watershed, northeastern Iran. Altitude, 3000 feet. November 5, 1938. Collector: G. G. Goodwin. Legendre 1938 Iran Expedition. Original number 3768.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 135 mm.; tail vertebrae, 33; hind foot, 19.5. Skull: greatest length, 25.4; zygomatic breadth, 15; length of maxillary tooth row, 6.

Socialis GROUP

Microtus gravesi Goodwin

Amer. Mus. Novitates, no. 742, p. 2, August 27, 1934.

= *Microtus socialis gravesi* Goodwin. According to Kuznetzov, Mammals of U.S.S.R. p. 355, 1944.

85322. Skin and skull. Adult male. Tuz Bulak, 150 miles north of Kizil Orda (Perovsk), Kazakstan, U.S.S.R. Altitude, 600 feet. October 21, 1929. Collector: G. G. Goodwin. Original number 50.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 120 mm.; tail vertebrae, 25; hind foot, 18. Skull: greatest length, 26; zygomatic breadth, 15.5; length of maxillary tooth row, 6.2.

SUBGENUS **PHAIOMYS** BLYTH

Microtus mandarinus faeceus G. M. Allen

Amer. Mus. Novitates, no. 133, pp. 8–9, September 30, 1924.

56358. Skin and skull. Adult male. 100 miles northeast of Peiping, Hopei, China. March, 1922. Collector: R. C. Andrews. Third Asiatic Expedition. Original number 537.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin (dry): 126 mm.; tail vertebrae, 19; hind foot, 21. Skull: greatest length, 26.9; zygomatic breadth, 16.5; length of maxillary tooth row, 6.4.

GENUS **EOTHENOMYS** MILLER

Microtus (Anteliomys) custos rubellus G. M. Allen

Amer. Mus. Novitates, no. 133, pp. 5–6, September 30, 1924.

= *Eothenomys* (*Anteliomys*) *custos rubellus* (Allen). According to Osgood, Publ. Field Mus. Nat. Hist., zool. ser., vol. 18, p. 322, 1932.

44001. Skin and skull. Adult female. Ssushan (Snow Mountain), Li-Chiang Range at timber line, Yunnan, China. Altitude, 13,000 feet. October 13, 1916. Collectors: R. C. Andrews and E. Heller. Asiatic Zoological Expedition. Original number 398.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 141 mm.; tail vertebrae, 41; hind foot, 18.5. Skull: greatest length, 24.5; zygomatic breadth, 14.2; length of maxillary tooth row, 6.1.

GENUS **ALTICOLA** BLANFORD

Microtus (Alticola) worthingtoni semicanus G. M. Allen

Amer. Mus. Novitates, no. 133, pp. 6–7, September 30, 1924.

= *Alticola macrotis semicanus* (Allen). According to Allen, the mammals of China and Mongolia, Natural history of Central Asia, vol. 11, pt. 2, p. 842, September 3, 1940.

= *Alticola roylei semicanus* (Allen). According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 671, November 19, 1951.

57805. Skin and skull. Adult male. Sain Noin Khan, Mongolia. June 5, 1922. Collector: R. C. Andrews. Original number 1068.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 140 mm.; tail vertebrae, 30; hind foot, 19. Skull: greatest length, 29.1; zygomatic breadth, 16.7; length of maxillary tooth row, 6.7.

GENUS **LAGURUS** GLOGER

Microtus (Lagurus) curtatus artemisiae Anthony

Bull. Amer. Mus. Nat. Hist., vol. 32, art. 1, pp. 14–16, March 7, 1913.

= *Lagurus curtatus pauperrimus* (Cooper). According to Bailey, North Amer. Fauna, no. 55, p. 214, August 29, 1936.

33547. Skin and skull. Adult female. Ironside, Malheur County, Oregon. Altitude, 4000 feet. August 9, 1912. Collector: H. E. Anthony. Original number 24.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin total length, 129 mm.; tail vertebrae, 24; hind foot, 17. Skull: greatest length, 23.7; zygomatic breadth, 14.2; length of maxillary tooth row, 6.1.

GENUS **ELLOBIUS** FISCHER

Talpinus GROUP

Ellobius larvatus G. M. Allen
Amer. Mus. Novitates, no. 133, pp. 11–12, September 30, 1924.
= *Ellobius talpinus larvatus* Allen. According to Allen, The mammals of China and Mongolia, Natural history of Central Asia, vol. 11, pt. 2, p. 893, September 3, 1940.

57886. Skin and skull. Adult male. Artsa Bogdo, Mongolia. Altitude, 6500 feet. August 21, 1922. Collector: R. C. Andrews. Third Asiatic Expedition. Original number 1947.

Skin in fair condition. Skull lacking last upper molar on right and left sides.

MEASUREMENTS: Skin: total length, 116 mm.; tail vertebrae, 11; hind foot, 23. Skull: greatest length, 32; zygomatic breadth, 21; length of maxillary tooth row, 8.0.

Ellobius orientalis G. M. Allen
Amer. Mus. Novitates, no. 133, pp. 12–13, September 30, 1924.
= *Ellobius talpinus orientalis* Allen. According to Allen, The mammals of China and Mongolia, Natural history of Central Asia, vol. 11, pt. 2, p. 896, September 3, 1940.

57893. Skin and skull. Adult male. Iren Dabasu, eastern Mongolia. April 25, 1922. Collector: R. C. Andrews. Third Asiatic Expedition. Original number 868.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 118 mm.; tail vertebrae, 10; hind foot, 21. Skull: greatest length, 28.5; zygomatic breadth, 19; length of maxillary tooth row, 6.4.

Fuscocapillus GROUP

Ellobius fuscocapillus legendrei Goodwin
Amer. Mus. Novitates, no. 1082, p. 9, July 18, 1940.
= *Ellobius lutescens legendrei* Goodwin. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 658, November 19, 1951.

88747. Skin and skull. Adult male. Turkman Plains, 60 kilometers east of Astarabad, Iran. Altitude, sea level. October 25, 1939. Collector: G. G. Goodwin. Legendre 1938 Iran Expedition. Original number 3701.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 130 mm.; tail vertebrae, 5; hind foot, 22. Skull: greatest length, 33; zygomatic breadth, 21.6; length of maxillary tooth row, 7.6.

GENUS **TATERA** LATASTE

Tatera robusta taylori Hatt
Amer. Mus. Novitates, no. 791, pp. 1–2, April 11, 1935.

82300. Skin and skull. Adult female. Khor Birum, Red Sea Hills, Anglo-Egyptian Sudan. April 15, 1927. Collector: H. E. Anthony. Taylor Sudan Expedition. Original number 3111.

Skin in good condition. Skull complete except that last upper right and last lower left molars are lacking, and the nasals are broken.

MEASUREMENTS: Skin: total length, 328 mm.; tail vertebrae, 180; hind foot, 38. Skull: greatest length, 39.8; zygomatic breadth, 20.3; length of maxillary tooth row, 5.8.

Tatera nigrita beniensis Hatt
Amer. Mus. Novitates, no. 791, p. 2, April 11, 1935.

82659. Skin and skull. Adult male. Beni (Bungulu), eastern Belgian Congo. Altitude, 3900 feet. October 26, 1926. Collector: J. P. Chapin. Ruwenzori-Kivu Expedition. Original number 73.

Skin in good condition. Skull with nasals and anterior palatal region crushed.

MEASUREMENTS: Skin: total length, 274 mm.; tail vertebrae, 128; hind foot, 35. Skull: zygomatic breadth, 19.8; length of maxillary tooth row, 7.2.

Tatera nyassae loveridgei Hatt
Amer. Mus. Novitates, no. 791, pp. 2–3, April 11, 1935.
= *Tatera nyasae loveridgei* Hatt. According to G. M. Allen, Bull. Mus. Comp. Zool., vol. 83, p. 337, February, 1939.

55584. Skin and skull. Adult female. Kilossa, Tanganyika, Africa. November 16, 1920. Collector: A. Loveridge.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 295 mm.; tail vertebrae, 150; hind foot, 31. Skull: greatest length, 39; zygomatic breadth, 20; length of maxillary tooth row, 6.7.

Taterona humpatensis Hill and Carter
Amer. Mus. Novitates, no. 913, pp. 5–7, fig. 3, March 8. 1937.

= *Tatera humpatensis* (Hill and Carter). According to G. M. Allen, Bull. Mus. Comp. Zool., vol. 83, p. 333, February, 1939.

87952. Skin and skull. Adult female. Humpata, Angola. Altitude, 6300 feet. December 2, 1932. Collector: L. S. Bradley. Phipps, Bradley Expedition. Original number 610.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 317 mm.; tail vertebrae, 170; hind foot, 38. Skull: greatest length, 38.3; zygomatic breadth, 20.7; length of maxillary tooth row, 6.5.

GENUS **TATERILLUS** THOMAS

Taterillus emini anthonyi Hatt

Amer. Mus. Novitates, no. 708, pp. 2–4, fig. 1, April 4, 1934.

82211. Skin and skull. Adult female. West bank of White Nile, 20 miles south of Jebelein, Anglo-Egyptian Sudan. February 2, 1927. Collector: H. E. Anthony. Taylor Sudan Expedition. Original number 3006.

Skin in good condition. Skull complete except for malar bones.

MEASUREMENTS: Skin: total length, 316 mm.; tail vertebrae, 182; hind foot, 35. Skull: greatest length, 37.4; zygomatic breadth, 18; length of maxillary tooth row, 6.

GENUS **MERIONES** ILLIGER

Meriones (Parameriones) persicus gurganensis Goodwin

Amer. Mus. Novitates, no. 1050, pp. 2–3, December 1, 1939.

88881. Skin and skull. Adult male. Dasht, headwaters of the Gurgan River, on south side of Gurgan Valley, Bujnurd District, Iran. Altitude, 3200 feet. November 24, 1938. Collector: G. G. Goodwin. Legendre 1938 Iran Expedition. Original number 3879.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 325 mm.; tail vertebrae, 175; hind foot, 43. Skull: greatest length, 42.3; zygomatic breadth, 21.5; length of maxillary tooth row, 6.1.

Meriones (Pallasiomys) iranensis Goodwin

Amer. Mus. Novitates, no. 1050, p. 3, December 1, 1939.

88888. Skin and skull. Adult male. Dasht, headwaters of Gurgan River, on south side of the Gurgan Valley, Bujnurd District, Iran. Altitude, 3200 feet. November 23, 1938. Collector: G. G. Goodwin. Legendre 1938 Iran Expedition. Original number 3904.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 300 mm.; tail vertebrae, 128; hind foot, 35. Skull: greatest length, 40.5; zygomatic breadth, 22; length of maxillary tooth row, 6.2.

GENUS **RHOMBOMYS** WAGNER

Rhombomys opinus sodalis Goodwin

Amer. Mus. Novitates, no. 1050, p. 4, December 1, 1939.

88867. Skin and skull. Adult male. Maravih, Incha District, Iran. Altitude, 2000 feet. November 15, 1938. Collector: G. G. Goodwin. Legendre 1938 Iran Expedition. Original number 3823.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 320 mm.; tail vertebrae, 140; hind foot, 45. Skull: greatest length, 45.9; zygomatic breadth, 25.8; length of maxillary tooth row, 7.5.

FAMILY **MURIDAE** GRAY

GENUS **HAPALOMYS** BLYTH

Hapalomys marmosa G. M. Allen

Amer. Mus. Novitates, no. 270, p. 12, May 31, 1927.

= *Hapalomys delacouri marmosa* Allen. According to Allen, The mammals of China and Mongolia, Natural history of Central Asia, vol. 11, pt. 2, p. 1054, September 3, 1940.

= *Hapalomys longicaudatus marmosa* Allen. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 559, November 19, 1951.

59046. Skin. Adult female. Nodoa, Island of Hainan, China. December 27, 1922. Collector: C. H. Pope. Third Asiatic Expedition. Original number 307.

Skin in good condition.

MEASUREMENTS: Skin: total length, 268 mm.; tail vertebrae, 138; hind foot, 21.

GENUS **VERNAYA** ANTHONY

Chiropodomys fulvus G. M. Allen

Amer. Mus. Novitates, no. 270, pp. 11–12, May 31, 1927.

= *Vernaya fulva* (Allen), According to Anthony, Publ. Field Mus. Nat. Hist., zool. ser., vol. 27, p. 112, December 8, 1941.

43989. Skin and skull. Adult female. Yinpankai, Mekong River, western Yunnan, China. Altitude, 9000 feet. December 24, 1916. Collectors: R. C. Andrews and E. Heller. Original number 1238.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 208 mm.; tail vertebrae, 133; hind foot, 18.5. Skull: greatest length, 22.3; zygomatic breadth, 11.7; length of maxillary tooth row, 3.3.

GENUS **APODEMUS** KAUP

Apodemus flavicollis alpinus Heinrich

Zool. Jahr. Abt. f. Syst. Okol. Geogr. Tiere, vol. 80, pp. 114–117, 1951. (Name preoccupied by *Mus sylvaticus alpinus* Burg, 1921.)

Apodemus flavicollis alpicola Heinrich

Jour. Mammal., vol. 33, no. 2, p. 260, May, 1952. (New name for *Apodemus flavicollis alpinus* Heinrich.)

145921. Skin and skull. Adult female. Osterach-tal, Allgäu, Bavarian Alps, Germany. Altitude, 1100 meters. September 4, 1949. Collector: Gerd Heinrich. Original number 4632.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 222 mm.; tail vertebrae, 122; hind foot, 25. Skull: greatest length, 27.5; zygomatic breadth, 14; length of maxillary tooth row, 4.

GENUS **THAMNOMYS** THOMAS

Thamnomys venustus schoutedeni Hatt

Amer. Mus. Novitates, no. 708, pp. 9–10, April 4, 1934.

50066. Skin and skull. Adult female. Medje, Ituri District, Belgian Congo. June 14, 1914. Collector: H. Lang. American Museum Congo Expedition. Original number 2407.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 325 mm.; tail vertebrae, 203; hind foot, 24. Skull: greatest length, 34.3; zygomatic breadth, 15.9; length of maxillary tooth row, 5.7.

Thamnomys kempi major Hatt

Amer. Mus. Novitates, no. 708, pp. 10–11, April 4, 1934.

82693. Skin and skull. Adult male. Lukumi, north slope of Mt. Karisimbi, central Kivu Volcanoes, Belgian Congo. Altitude, 12,000 feet. June 17, 1927. Collector: J. P. Chapin. Ruwenzori-Kivu Expedition. Original number 318.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 357 mm.; tail vertebrae, 201; hind foot, 31. Skull: greatest length, 39.3; zygomatic breadth, 18.9; length of maxillary tooth row, 7.5.

GENUS **GRAMMOMYS** THOMAS

Thamnomys (Grammomys) surdaster callithrix Hatt

Amer. Mus. Novitates, no. 708, p. 11, April 4, 1934.

=*Grammomys surdater callithrix* (Hatt). According to Ellerman, The families and genera of living rodents, vol. 2, p. 106, March 21, 1941.

49789. Skin and skull. Adult male. Garamba, upper Uele district, Belgian Congo. March 14, 1912. Collector: H. Lang. American Museum Congo Expedition. Original number 1876.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 270 mm.; tail vertebrae, 160; hind foot, 25. Skull: greatest length, 28.2; zygomatic breadth, 14.2; length of maxillary tooth row, 4.3.

Grammomys surdaster angolensis Hill and Carter

Amer. Mus. Novitates, no. 913, pp. 4, 10, March 8, 1937.

81947. Skin and skull. Adult male. Chitau, Angola. Altitude, 4930 feet. August 19, 1932. Collector: L. S. Bradley. Phipps, Bradley Angola Expedition. Original number 47.

Skin in good condition. Skull complete except for first upper right molar.

MEASUREMENTS: Skin: total length, 275 mm.; tail vertebrae, 166; hind foot, 23.5. Skull: greatest length, 29.7; zygomatic breadth, 14.6; length of maxillary tooth row, 4.4.

GENUS **CONILURUS** OGILBY

Conilurus randi Tate and Archbold

Amer. Mus. Novitates, no. 982, pp. 1–2, May 12, 1938.

105636. Archbold Collections. Skin and skull. Adult female. Penzara, between Wassi Kussa and Morehead River, Western Division of Papua, British New Guinea. Altitude, 20 meters. December 16, 1936. Collector: A. L. Rand. 1936 New Guinea

Expedition. Original number 3346.

Skin with terminal portion of tail missing. Skull complete.

MEASUREMENTS: Skin: total length, 364 mm.; tail vertebrae, 171 (incomplete); hind foot, 51. Skull: greatest length, 47.2; zygomatic breadth, 24.4; length of maxillary tooth row, 9.0.

GENUS **DASYMYS** PETERS

Dasmys nudipes edsoni Hatt

Amer. Mus. Novitates, no. 808, pp. 6–7, April 4, 1934.

= *Dasymys incomtus edsoni* Hatt. According to Ellerman, The families and genera of living rodents, vol. 2, p. 122, March 21, 1941.

86889. Skin and skull. Adult male. Lukolela, middle Belgian Congo. November 8, 1930. Collector: J. P. Chapin. Chapin Edson Expedition. Original number 2179.

Skin in good condition. Skull complete except for last upper left molar.

MEASUREMENTS: Skin: total length, 323 mm.; tail vertebrae, 164; hind foot, 37. Skull: greatest length, 36.9; zygomatic breadth, 18.8; length of maxillary tooth row, 6.7.

GENUS **ARVICANTHIS** LESSON

Arvicanthis nairobae J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 26, art. 12, pp. 168–169, March 19, 1909.

= *Arvicanthis abyssinicus nairobae* Allen. According to G. M. Allen, Bull. Mus. Comp. Zool., vol. 83, p. 374, February, 1939.

27877. Skin and skull. Adult male. Nairobi, Kenya. May 24, 1906. Collector: H. Lang. Tjäder East African Expedition. Original numbers: skin, 40; skull, 16.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 260 mm.; tail vertebrae, 116; hind foot (s.u.), 26. Skull: greatest length, 34.2; zygomatic breadth, 16.8; length of maxillary tooth row, 6.5.

GENUS **LEMNISCOMYS** TROUESSART

Lemniscomys oweni orientalis Hatt

Amer. Mus. Novitates, no. 790, p. 2, April 10, 1935.

49626. Skin and skull. Adult male. Faradje, Belgian Congo. March 16, 1911. Collector: H. Lang. American Museum Congo Expedition. Original number 1531.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 196 mm.; tail vertebrae, 114; hind foot, 23. Skull: greatest length, 26.7; zygomatic breadth, 12.5; length of maxillary tooth row, 4.6.

GENUS **AETHOMYS** THOMAS

Aethomys vernayi Hill and Carter

Amer. Mus. Novitates, no. 913, pp. 1–2, fig. 1, March 8, 1937.

85735. Skin and skull. Adult male. Chissonque, 20 kilometers east of Dande, Angola. August 4, 1925. Collectors: H. Lang and Boulton. Vernay Angola Expedition. Original number 763.

Skin in fair condition. Skull complete except for break in occipital region.

MEASUREMENTS: Skin: total length, 286 mm.; tail vertebrae, 117; hind foot, 27. Skull: greatest length, 35.4; zygomatic breadth, 18.8; length of maxillary tooth row, 6.8.

GENUS **MYOMYS** THOMAS

Aethomys avunculus phippsi Hill and Carter

Amer. Mus. Novitates, no. 913, pp. 3, 10, text fig. 2, March 8, 1937.

= *Myomys avunculus phippsi* (Hill and Carter). According to G. M. Allen, Bull. Mus. Comp. Zool., vol. 83, p. 405, February, 1939.

87855. Skin and skull. Adult male. Humpata, Angola. Altitude, 6300 feet. December 7, 1932. Collector: L. S. Bradley. Phipps, Bradley Angola Expedition. Original number 645.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 287 mm.; tail vertebrae, 156; hind foot, 28. Skull: greatest length, 32.6; zygomatic breadth, 15.8; length of maxillary tooth row, 5.8.

GENUS **MASTOMYS** THOMAS

Mastomys coucha itigiensis Hatt

Amer. Mus. Novitates, no. 791, pp. 3–4, April 11, 1935.

55571. Skin and skull. Adult female. Gwaos, near Itigi, Tanganyika Territory. October 10, 1921. Collector: Arthur Loveridge.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 187 mm.; tail vertebrae, 92; hind foot, 21. Skull: greatest length, 26.7; zygomatic breadth, 13.1; length of maxillary tooth row, 4.7.

GENUS **PRAOMYS** THOMAS

Praomys jacksoni minor Hatt

Amer. Mus. Novitates, no. 708, pp. 11–12, April 4, 1934.

= *Rattus* [*Praomys*] *tullbergi minor* Hatt. According to Ellerman, The families and genera of living rodents, vol. 2, p. 209, March 31, 1941.

86816. Skin and skull. Adult male. Lukolela, middle Belgian Congo. July 31, 1930. Collector: J. P. Chapin. Original number 2035.

Skin in good condition. Skull lacking left zygoma and parts of left wall of braincase.

MEASUREMENTS: Skin: total length, 241 mm.; tail vertebrae, 136; hind foot, 25 [*sic*, probably 22.5]. Skull: greatest length, 29.2; zygomatic breadth, about 14; length of maxillary tooth row, 4.1.

Praomys jacksoni octomastis Hatt

Amer. Mus. Novitates, no. 1070, p. 2, May 17, 1940.

= [*Praomys*] *tullbergi octomastis* Hatt. According to Ellerman (who makes *jacksoni* a subspecies of *Rattus tullbergi*), The families and genera of living rodents, vol. 2, p. 208, March 31, 1941.

55718. Skin and skull. Adult female. Old Mbulu Reserve, Tanganyika Territory. Altitude, 6000 feet. November 28, 1928. Collectors: Rockefeller, Murphy, and Moses. Original number T.1.

Skin in fair condition, epidermis slipped on abdomen. Skull lacking right and left zygomatic arches.

MEASUREMENTS: Skin: total length, 240 mm.; tail vertebrae, 130; hind foot, 22. Skull: greatest length, 29; length of maxillary tooth row, 4.4.

Praomys tullbergi lukolelae Hatt

Amer. Mus. Novitates, no. 708, p. 13, April 4, 1934.

86811. Skin and skull. Adult male. Lukolela, middle Belgian Congo. August 6, 1930. Collector: J. P. Chapin. Chapin-Edson Expedition. Original number 2055.

Skin in fair condition. Skull complete except for left malar bone.

MEASUREMENTS: Skin: total length, 257 mm.; tail vertebrae, 141. hind foot, 30. Skull: greatest length, 32.6; zygomatic breadth, 14.5; length of maxillary tooth row, 4.8.

GENUS **RATTUS** FISCHER

Rattus rattus hainanicus G. M. Allen

Amer. Mus. Novitates, no. 217, pp. 3–4, June 16, 1926.

59223. Skin and skull. Adult female. Nam Fong, Island of Hainan, China. February 15, 1923. Collector: C. Pope. Third Asiatic Expedition. Original number 741.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 400 mm.; tail vertebrae, 222; hind foot, 31. Skull: greatest length, 44; zygomatic breadth, 20.7; length of maxillary tooth row, 7.8.

Rattus rattus keelingensis Tate

Bull. Raffles Mus. Singapore, no. 22, p. 276, April, 1950.

150162. Skin and skull. Adult female. Pulo Tikus (Direction Island), Cocos-Keeling Islands, Indian Ocean. December 27, 1940. Collector: C. A. Gibson-Hill. Original number 4041.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 381 mm.; tail vertebrae, 205; hind foot (s.u.), 37.5. Skull: greatest length, 39.5; zygomatic breadth, 18.6; length of maxillary tooth row, 6.5.

Rattus rattus palembang Tate and Archbold

Amer. Mus. Novitates, no. 802, pp. 1–2, May 18, 1935.

102587. Archbold Collections. Skin and skull. Adult female. Morcarah Dolwa, Palembang, south Sumatra, Netherlands East Indies. June 3, 1934. Collector: J. J. Menden. Original number 138.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 376 mm.; tail vertebrae, 203; hind foot, 35. Skull: greatest length, 40; zygomatic breadth, 19.7; length of maxillary tooth row, 7.1.

Mus kijabius J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 26, art. 12, pp. 169–170, March 19, 1909.

= *Rattus rattus kijabius* (Allen). According to G. M. Allen, Bull. Mus. Comp. Zool., vol. 83, p. 412, February, 1939.

27881. Skin and skull. Subadult male. Kijabi, Kenya Colony. Altitude, 2150 meters. June 8, 1906. Collector: H. Lang. Tjäder Expedition. Original number 79.

Skin in fair condition. Skull complete except for left zygoma.

MEASUREMENTS: Skin: total length, 290 mm.; tail vertebrae, 153; hind foot (s.u.), 27. Skull: greatest length, 33.5; zygomatic breadth, 15.5; length of maxillary tooth row, 6.5.

Rattus lalolis Tate and Archbold
Amer. Mus. Novitates, no. 802, pp. 2–3, March 18, 1935.

101024. Archbold Collections. Skin and skull. Adult female. Lalolis, 30 miles southeast of Mengkoka Mountains, southeast Celebes, Netherlands East Indies. Altitude, 300 meters. December 6, 1931. Collector: G. Heinrich. Original number 635.

Skin in good condition. Skull crushed in sphenoidal region.

MEASUREMENTS: Skin: total length, 367 mm.; tail vertebrae, 215; hind foot, 40. Skull: greatest length, 46.5.

Rattus humiliatus celsus G. M. Allen
Amer. Mus. Novitates, no. 217, pp. 5–6, June 16, 1926.
= *Rattus losea celsus* Allen. According to Allen, The mammals of China and Mongolia, Natural history of Central Asia, vol. 11, pt. 2, p. 1009, September 3, 1940.
= *Rattus rattoides celsus* Allen. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 588, November 19, 1951.

43393. Skin and skull. Adult female. Taku Ferry, west bank of Yangtze River, Yunnan, China. Altitude, 6000 feet. November 20, 1916. Collectors: R. C. Andrews and E. Heller. Asiatic Zoological Expedition. Original number 913.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 358 mm.; tail vertebrae, 198; hind foot, 33. Skull: greatest length, 40.5; zygomatic breadth, 19.5; length of maxillary tooth row, 7.6.

Rattus hoffmani mengkoka Tate and Archbold
Amer. Mus. Novitates, no. 802, p. 3, May 18, 1935.

101062. Archbold Collections. Skin and skull. Adult male. Wawo Mengkoka Mountains, southeastern Celebes, Netherlands East Indies. Altitude, 50 meters. January 24, 1932. Collector: G. Heinrich. Original number 827.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 324 mm.; tail vertebrae, 138; hind foot, 37. Skull: greatest length, 44; zygomatic breadth, 22.3; length of maxillary tooth rows, 8.

Rattus mollicomulus Tate and Archbold
Amer. Mus. Novitates, no. 802, p. 4, May 18, 1935.

101134. Archbold Collections. Skin and skull. Adult female. Wawa Karaing, Mt. Lampobatang, southern Celebes, Netherlands East Indies. Altitude, 1500 meters. September 13, 1931. Collector: G. Heinrich. Original number 402.

Skin in good condition. Skull with crushed braincase.

MEASUREMENTS: Skin: total length, 299 mm.; tail vertebrae, 146; hind foot, 33. Skull: zygomatic breadth, 19; length of maxillary tooth row, 6.6.

Mus luteiventris J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 28, art. 3, pp. 14–15, January 29, 1910.
= *Rattus exulans luteiventris* (Allen). According to Sanborn, Fieldiana: Zool., vol. 33, no. 2, p. 124, November 28, 1952.

29715 (not 29717 as in type description). Skin and skull. Adult male. Iwahig, Palawan, Philippine Islands. Received November 3, 1909. Collector: J. R. White.

Skin in poor condition. Skull incomplete, cut off behind interorbital region.

MEASUREMENTS: Skin: total length, 293 mm.; tail vertebrae, 130; hind foot, 28. Skull: zygomatic breadth, 14; length of maxillary tooth row, 5.4.

Rattus arcuatus Tate and Archbold
Amer. Mus. Novitates, no. 802, p. 9, May 18, 1935.

101111. Archbold Collections. Skin and skull. Adult female. Tanka Salocco, Mengkoka Range, southeastern Celebes, Netherlands East Indies. Altitude, 1500 meters. January 11, 1932. Collector: G. Heinrich. Original number 746.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 448 mm.; tail vertebrae, 245; hind foot, 43.5. Skull: greatest length, 50; zygomatic breadth, 21.7; length of maxillary tooth row, 9.3.

Rattus salocco Tate and Archbold
Amer. Mus. Novitates, no. 802, pp. 7–8, May 18, 1935.

101119. Archbold Collections. Skin and skull. Adult female. Tanka Salocco, Mengkoka Range, southeastern Celebes, Netherlands

East Indies. Altitude, 1500 meters. January 6, 1932. Collector: G. Heinrich. Original number 717.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 476 mm.; tail vertebrae, 265; hind foot, 39. Skull: greatest length, 46; zygomatic breadth, 23.5; length of maxillary tooth row, 7.7.

Rattus microbullatus Tate and Archbold
Amer. Mus. Novitates, no. 802, pp. 8–9, May 18, 1935.

101108. Archbold Collections. Skin and skull. Adult male. Tanka Salocco, Mengkoka Range, southeastern Celebes, Netherlands East Indies. Altitude, 1500 meters. January 4, 1932. Collector: G. Heinrich. Original number 706.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 426 mm.; tail vertebrae, 223; hind foot, 42. Skull: greatest length, 50.4; zygomatic breadth, 25.2; length of maxillary tooth row, 9.

Rattus penitus inferior Tate and Archbold
Amer. Mus. Novitates, no. 802, p. 6, May 18, 1935.

101059. Archbold Collections. Skin and skull. Adult male. Wawo, Mengkoka Mountains, southeastern Celebes, Netherlands East Indies. Altitude, 50 meters. January 23, 1932. Collector: G. Heinrich. Original number 808.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 347 mm.; tail vertebrae, 170; hind foot, 40.5. Skull: greatest length, 45.3; zygomatic breadth, 20.5; length of maxillary tooth row, 7.8.

Rattus penitus heinrichi Tate and Archbold
Amer. Mus. Novitates, no. 802, pp. 6–7, May 18, 1935.

101006. Archbold Collections. Skin and skull. Adult male. Lambasang, Mt. Lampobatang, southern Celebes, Netherlands East Indies. Altitude, 1100 meters. August 31, 1931. Collector: G. Heinrich. Original number 365.

Skin in good condition. Skull somewhat crushed.

MEASUREMENTS Skin: total length, 298 mm.; tail vertebrae, 136; hind foot, 35. Skull: greatest length, 40 mm.; zygomatic breadth, 19.9; length of maxillary tooth row, 7.3.

Rattus brevimolaris Tate and Archbold
Amer. Mus. Novitates, no. 802, p. 7, May 18, 1935.

101055. Archbold Collections. Skin and skull. Adult male. Lalolis, 30 miles southeast of Mengkoka Mountains, southeastern Celebes, Netherlands East Indies. Altitude, 300 meters. February 15, 1932. Collector: G. Heinrich. Original number 891.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 295 mm.; tail vertebrae, 138; hind foot, 34. Skull: greatest length, 39.6; zygomatic breadth, 19; length of maxillary tooth row, 6.2.

Rattus huang vulpicolor G. M. Allen
Amer. Mus. Novitates, no. 217, pp. 14–15, June 16, 1926.
= *Rattus fulvescens fulvescens* (Gray). According to G. M. Allen, The mammals of China and Mongolia, Natural history of Central Asia, vol. 11, pt. 2, p. 1014, September 3, 1940.

43297. Skin and skull. Adult male. Namting River, at the Burma border, China. Altitude, 1700 feet. February 23, 1917. Collectors: R. C. Andrews and E. Heller. Asiatic Zoological Expedition. Original number 1653.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 343 mm.; tail vertebrae, 203; hind foot, 31. Skull: greatest length, 36; zygomatic breadth, 16.3; length of maxillary tooth row, 6.

Bunomys caelestis koka Tate and Archbold
Amer. Mus. Novitates, no. 803, p. 1, May 18, 1935.
= *Rattus caelestis koka* (Tate and Archbold). According to Ellerman, The families and genera of living rodents, p. 191, March 21, 1941.

101236. Archbold Collections. Skin and skull. Adult female. Tanka Salocco, Mengkoka Mountains, southeastern Celebes, Netherlands East Indies. Altitude, 1500 meters. January 11, 1932. Collector: G. Heinrich. Original number 753.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 283 mm.; tail vertebrae, 148; hind foot, 33.5. Skull: greatest length, 38.7; zygomatic

breadth, 18.1; length of maxillary tooth row, 6.1.

Rattus confucianus lotipes G. M. Allen
Amer. Mus. Novitates, no. 217, pp. 11–12, June 16, 1926.
= *Rattus niviventer lotipes* Allen. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 593, November 19, 1951.

59303. Skin and skull. Adult female. Near Nodoa, Island of Hainan, China. February 9, 1923. Collector: C. Pope. Third Asiatic Expedition. Original number 954.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 315 mm.; tail vertebrae, 180; hind foot, 30. Skull: greatest length, 39.5; zygomatic breadth, 16.5; length of maxillary tooth row, 6.5.

Rattus aspinatus Tate and Archbold
Amer. Mus. Novitates, no. 802, pp. 9–10, May 18, 1935.

101281. Archbold Collections. Skin and skull. Semi-adult female. Ile-Ile, northern Celebes, Netherlands East Indies. December 4, 1930. Collector: G. Heinrich. Original number 146.
Skin in good condition. Skull badly crushed.
MEASUREMENTS Skin: total length, 191 mm.; tail vertebrae, 93; hind foot, 26.5. Skull: length of maxillary tooth row, 6.0.

Rattus leucopus mcilwraithi Tate
Bull. Amer. Mus. Nat. Hist., vol. 97, art. 4, pp. 335–336, October 30, 1951.

153968. Archbold Collections. Skin and skull. Adult male. Upper Nesbit River (Rocky Scrub), 20 miles east of Coen, Cape York Peninsula, Queensland, Australia. Altitude, 1500 feet. April 17, 1943. Collector: G. H. H. Tate. Original number 11236.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 340 mm.; tail vertebrae, 170; hind foot (s.u.), 38. Skull: greatest length, 41.8; zygomatic breadth, 20; length of maxillary tooth row, 6.6.

Rattus leucopus cooktownensis Tate
Bull. Amer. Mus. Nat. Hist., vol. 97, art. 4, pp. 336–337, October 30, 1951.

153986. Archbold Collections. Skin and skull. Adult male. Shipton's Flat, 30 miles south of Cooktown, north Queensland, Australia. Altitude, 900 feet. September 5, 1948. Collector: G. H. H. Tate. Original number 11376.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 365 mm.; tail vertebrae, 180; hind foot (s.u.), 39. Skull: greatest length, 44.6; zygomatic breadth, 21; length of maxillary tooth row, 6.

Rattus lacus Tate
Bull. Amer. Mus. Nat. Hist., vol. 97, art. 4, pp. 347–348, October 30, 1951.

107312. Archbold Collections. Skin and skull. Adult male. Lake Barrine, among "bladey grass," Atherton Tableland, northern Queensland, Australia. Altitude, 2400 feet. October 21, 1937. Collector: Gabriele Neuhäuser. Original number 88.
Skin with tail incomplete. Skull complete.
MEASUREMENTS: Skin: total length, 257 mm.; tail vertebrae, 99; hind foot (s.u.), 29. Skull: greatest length, 36.5; zygomatic breadth, 19.8; length of maxillary tooth row, 7.2.

Rattus richardsoni Tate
Amer. Mus. Novitates, no. 1421, pp. 1–3, July 29, 1949.

150701. Archbold Collections. Skin and skull. Adult male. Lake Habbema, north of Mt. Wilhelmina, Netherlands New Guinea. Altitude, 3225 meters. August 2, 1938. Collector: W. B. Richardson. Original number 4556.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 305 mm.; tail vertebrae, 144; hind foot (s.u.), 39. Skull: greatest length, 39.7; zygomatic breadth, 18; length of maxillary tooth row, 6.3.

Rattus brachyrhinus Tate and Archbold
Amer. Mus. Novitates, no. 802, pp. 4–5, May 18, 1935.

104210. Archbold Collections. Skin and skull. Adult male. Baroka, near mouth of Angabunga (St. Joseph's) River, Central Division of Papua, British New Guinea. Altitude, 30 meters. April 8, 1933. Collectors: R. Archbold and A. L. Rand. Original number 1332.
Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 328 mm.; tail vertebrae, 141; hind foot, 31. Skull: greatest length, 39.3; zygomatic breadth, 20; length of maxillary tooth row, 6.8.

GENUS **PSEUDOMYS** GRAY

SUBGENUS **GYOMYS** THOMAS

Mus albocinereus Gould

Proc. Zool. Soc. London, pt. 13, p. 78, 1845.

= *Pseudomys albo-cinereus* (Gould). According to Thomas, Ann. Mag. Nat. Hist., ser. 8, vol. 6, p. 607, December, 1910.

683 (possibly a cotype with the one marked as type in British Museum). Skin and skull. Australia. Verreaux Collection.

Skin, dismounted specimen, in faded condition. Skull lacking basicranial region. The original label bears the inscription "1502 (226) Type de Gould. Mus albocinereus Gould, Australia."

MEASUREMENTS: Skin: total length, 165 mm.; tail vertebrae, 83.5; hind foot, 21.8. Skull: greatest length, 24.5; zygomatic breadth, 11.5; length of maxillary tooth row, 3.6.

GENUS **MELOMYS** THOMAS

Melomys albidens Tate

Bull. Amer. Mus. Nat. Hist., vol. 97, art. 4, pp. 286–287, October 30, 1951.

150821. Archbold Collections. Skin and skull. Adult male. Lake Habbema, 15 miles north of Mt. Wilhelmina, Netherlands New Guinea. Altitude, 3225 meters. August 14, 1938. Collector: W. B. Richardson. 1938 New Guinea Expedition. Original number 4698.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 284 mm.; tail vertebrae, 162; hind foot (s.u.), 26. Skull: condylobasal length, 27.3; zygomatic breadth, 15.8; length of maxillary tooth row, 5.3.

SUBGENUS **PARAMELOMYS** RÜMMLER

Melomys shawi Tate and Archbold

Amer. Mus. Novitates, no. 803, p. 2, May 18, 1935.

= *Melomys moncktoni shawi* Tate and Archbold. According to Ellerman, The families and genera of living rodents, vol. 2, p. 229, March 21, 1941.

101959. Archbold Collections. Skin and skull. Adult male. Weyland Range, Netherlands New Guinea. Altitude, 1200 meters. July 10, 1930. Collector: F. Shaw Mayer. Original number 93.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 219 mm.; tail vertebrae, 109; hind foot, 27. Skull: greatest length, 32.9; zygomatic breadth, 16.4; length of maxillary tooth row, 6.4.

Melomys tafa Tate and Archbold

Amer. Mus. Novitates, no. 803, pp. 1–2, May 18, 1935.

= *Melomys moncktoni tafa* Tate and Archbold. According to Ellerman, The families and genera of living rodents, vol. 2, p. 229, March 21, 1941.

104341. Archbold Collections. Skin and skull. Adult female. Mt. Tafa, 30 miles southwest of Mt. Albert Edward, Papua, British New Guinea. Altitude, 2400 meters. September 2, 1933. Collector: R. Archbold. Original number 1494.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 271 mm.; tail vertebrae, 143; hind foot, 30.3. Skull: greatest length, 34.7; zygomatic breadth, 17.1; length of maxillary tooth row, 6.7.

Melomys moncktoni sturti Tate

Bull. Amer. Mus. Nat. Hist., vol. 97, art. 4, pp. 296–297, October 30, 1951.

105425. Archbold Collections. Skin and skull. Adult female. Sturt Island Camp, lower Fly River, British New Guinea. October 24, 1936. Collector: G. H. H. Tate. Original number 3059.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 267 mm.; tail vertebrae, 116; hind foot (s.u.), 30. Skull: condylobasal length, 36.8; zygomatic breadth, 19.8; length of maxillary tooth row, 6.6.

Melomys cervinipes bunya Tate

Bull. Amer. Mus. Nat. Hist., vol. 97, art. 4, p. 293, October 30, 1951.

162618. Skin and skull. Adult female. Rain forest bordering rest house, summit of Bunya Mountain, Queensland, Australia. Altitude, 3500 feet. January 17, 1948. Collector: G. H. H. Tate. Original number 10015.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 263

mm.; tail vertebrae, 138; hind foot, 27. Skull: greatest length, 32.2; zygomatic breadth, 17.2; length of maxillary tooth row, 6.7.

Melomys cervinipes capensis Tate
Bull. Amer. Mus. Nat. Hist., vol. 97, art. 4, pp. 295–296, October 30, 1951.

154198. Archbold Collections. Skin and skull. Adult male. Upper Nesbit River, Rocky Scrub, east of Coen, Queensland, Australia. Altitude, 1500 feet. August 13, 1948. Collectors: G. H. H. Tate and H. M. Van Deusen. Original number 11243.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 318 mm.; tail vertebrae, 179; hind foot (s.u.), 30.5. Skull: condylobasal length, 34.5; zygomatic breadth, 18.2; length of maxillary tooth row, 6.3.

Melomys latipes Tate and Archbold
Amer. Mus. Novitates, no. 803, p. 3, May 18, 1935.
= *Melomys leucogaster leucogaster* Jentink. According to Ellerman, The families and genera of living rodents, vol. 2, p. 231, March 21, 1941.

104273. Archbold Collections. Skin and skull. Subadult male. Baroka, Mekeo District, Central District, Papua, British New Guinea. Altitude, near sea level. April 11, 1933. Collector: R. Archbold. Original number 1343.

Skin in good condition. Skull with left maxillary arch broken.

MEASUREMENTS: Skin: total length, 289 mm.; tail vertebrae, 147; hind foot, 31. Skull: greatest length, 32.1; zygomatic breadth, 17.5; length of maxillary tooth row, 7.1.

Melomys lutillus frigicola Tate
Bull. Amer. Mus. Nat. Hist., vol. 97, art. 4, p. 303, October 30, 1951.

151201. Archbold Collections. Skin and skull. Adult male. Bele River, 18 kilometers north of Lake Habbema, near Mt. Wilhelmina, Netherlands New Guinea. Altitude, 2200 meters. November 23, 1938. Collector: W. B. Richardson. Original number 6004.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 272 mm.; tail vertebrae, 142; hind foot, 29. Skull: greatest length, 30.5; zygomatic breadth, 16; length of maxillary tooth row, 6.

Melomys rufescens niviventer Tate
Bull. Amer. Mus. Nat. Hist., vol. 97, art. 4, p. 306, October 30, 1951.

105431. Archbold Collections. Skin and skull. Adult male. Sturt Island Camp, left bank of lower Fly River, Netherlands New Guinea. October 30, 1936. Collector: G. H. H. Tate. Original number 3116.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 246 mm.; tail vertebrae, 125; hind foot (s.u.), 26. Skull: condylobasal length, 31; zygomatic breadth, 16; length of maxillary tooth row, 5.9.

GENUS **UROMYS** PETERS

Uromys neobrittanicus Tate and Archbold
Amer. Mus. Novitates, no. 803, pp. 4–5, May 18, 1935.

99881. Skull. Adult male. New Britain, Solomon Islands. 1933. Collector: W. F. Coultas. Whitney South Sea Expedition. Original number 4.

Skull complete. No skin.

MEASUREMENTS: Skull: greatest length, 67.6; zygomatic breadth, 36.8; length of maxillary tooth row, 13.9.

GENUS **XENUROMYS** TATE AND ARCHBOLD

Xenuromys guba Tate and Archbold
Amer. Mus. Novitates, no. 1101, p. 4, January 30, 1941.

152043. Archbold Collections. Skin and skull. Adult male. Bernhard Camp, Idenburg River, Netherlands New Guinea. Altitude, 75 meters. April 14, 1939. Collector: W. B. Richardson. 1938 New Guinea Expedition. Original number 7847.

Skin in fair condition, cut over the shoulder by trap. Skull with rostrum broken.

MEASUREMENTS: Skin: total length, 591 mm.; tail vertebrae, 281; hind foot (s.u.), 6.6. Skull: condylo-incisive length, 62.2; zygomatic breadth, 29; length of maxillary tooth row, 11.8.

GENUS **LORENTZIMYS** JENTINK

Lorentzimys nouhuysii alticola Tate and Archbold
Amer. Mus. Novitates, no. 1101, pp. 4–5, January 30, 1941.

= *Lorentzimys alticola* Tate and Archbold. According to Laurie, Bull. Brit. Mus. (Nat. Hist.), Zool., vol. 1, no. 10, p. 309, December, 1952.

150592. Archbold Collections. Skin and skull. Adult male. Nine kilometers northeast of Lake Habbema, Mt. Wilhelmina, Netherlands New Guinea. Altitude, 2700 meters. October 28, 1938. Collector: W. B. Richardson. 1938 New Guinea Expedition. Original number 5261.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 211 mm.; tail vertebrae, 128; hind foot (s.u.), 26. Skull: condylobasal length, 21.9; zygomatic breadth, 12.5; length of maxillary tooth row, 2.8.

GENUS **POGONOMELOMYS** RÜMMLER

Pogonomelomys bruijnii brassi Tate and Archbold
Amer. Mus. Novitates, no. 1101, p. 6, January 30, 1941.

105033. Archbold Collections. Skin and skull. Adult male. Oroville Camp, upper Fly River, 30 miles above d'Albertis Junction, British New Guinea. Altitude, 60 meters. August 10, 1936. Collector: G. H. H. Tate. 1936 New Guinea Expedition. Original number 2527.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 370 mm.; tail vertebrae, 197; hind foot (s.u.), 33. Skull: condylo-incisive length, 37.5; zygomatic breadth, 20.4; length of maxillary tooth row, 71.1

Melomys sevia Tate and Archbold
Amer. Mus. Novitates, no. 803, pp. 3–4, May 18, 1935.
= *Pogonomelomys sevia* (Tate and Archbold). According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 97, art. 4, p. 317, October 30, 1951.

79755. Skin and skull. Adult male. Sevia, Cromwell Range, Huon Peninsula, Mandated Territory, British New Guinea. Altitude, 1400 meters. March 14, 1929. Collector: R. H. Beck. Whitney South Sea Expedition. Original number 1387.

Skin in fair condition. Skull lacking left bulla.

MEASUREMENTS: Skin: total length, 264 mm.; tail vertebrae, 140; hind foot, 25. Skull: greatest length, 31.5; zygomatic breadth, 15.3; length of upper molar series, 5.7.

Pogonomelomys rümmleri Tate and Archbold
Amer. Mus. Novitates, no. 1101, pp. 6–7, January 30, 1941.

150669. Archbold Collections. Skin and skull. Adult male. Lake Habbema, north slope of Mt. Wilhelmina, Netherlands New Guinea. Altitude, 3225 meters. July 26, 1938. Collector: W. B. Richardson. 1938 New Guinea Expedition. Original number 4523. Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 242 mm.; tail vertebrae, 138; hind foot, 25. Skull: condylo-incisive length, 26.1; zygomatic breadth, 16.2; length of maxillary tooth row, 4.4.

GENUS **MUS** LINNAEUS

H[esperomys] indianus Wied
Arch. für Naturgesch. (Wiegmann), vol. 1, p. 111, 1862.
= *Mus musculus* Linnaeus. According to J. A. Allen, Bull. Amer. Mus. Nat. Hist., vol. 3, no. 2, p. 290, June 30, 1891.

575. Skin. New Harmony, Indiana. 1823. Collector: Prince Alexander Philipp Maximilian Wied.

Skin, mounted, in poor condition and bearing a Maximilian type label. No skull.

Mus musculus kaleh-peninsularis Goodwin
Amer. Mus. Novitates, no. 1082, pp. 10–11, July 18, 1940.
= *Mus musculus musculus* Linnaeus. According to Schwarz, Jour. Mammal., vol. 24, p. 67, February, 1943.

88822. Skin and skull. Adult female. Main Kaleh Peninsula, Mazandaran, Iran. 60 feet below sea level. October 16, 1938. Collector: G. G. Goodwin. Legendre 1938 Iran Expedition. Original number 3658.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 165 mm.; tail vertebrae, 75; hind foot, 20. Skull: greatest length, 21.6; zygomatic breadth, 11.8; length of maxillary tooth row, 3.7.

Mus musculus japalae J. A. Allen and Chapman
Bull. Amer. Mus. Nat. Hist., vol. 9, art. 13, p. 198, June 16, 1897.
= *Mus musculus brevirostris* Waterhouse. According to Schwarz, Jour. Mammal., vol. 24, p. 64, February, 1943.

12520/10830. Skin and skull. Adult female. Jalapa, Veracruz, Mexico. Altitude, 4400

feet. April 14, 1897. Collector: F. M. Chapman. Original number 1240.

Skin in fair condition. Skull incomplete, cut off behind palate and lacking most of braincase.

MEASUREMENTS: Skin: total length, 168 mm.; tail vertebrae, 85; hind foot, 19. Skull: zygomatic breadth, 10.2; length of maxillary tooth row, 3.3.

Mus bactrianus tantillus G. M. Allen
Amer. Mus. Novitates, no. 270, pp. 9–10, May 31, 1927.
= *Mus musculus homourus* Hodgson. According to Schwarz, Jour. Mammal., vol. 24, p. 62, February, 1943.

56413. Skin and skull. Adult male. Yenchingkou, Wanhsien, Szechwan, China. Altitude, 3000 feet. October 10, 1921. Collector: W. Granger. Third Asiatic Expedition. Original number 51.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 131 mm.; tail vertebrae, 66; hind foot, 17. Skull: greatest length, 20; zygomatic breadth, 10.4; length of maxillary tooth row, 3.5.

SUBGENUS **LEGGADA** GRAY

Leggada cookii meator G. M. Allen
Amer. Mus. Novitates, no. 270, pp. 6–7, May 31, 1927.
= *Mus famulus meator* (Allen). According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 611, November 19, 1951.

43609. Skin and skull. Adult male. Taipingpu, Shweli River, western Yunnan, China. Altitude, 8000 feet. April 9, 1917. Collectors: R. C. Andrews and E. Heller. Asiatic Zoological Expedition. Original number 1869.

Skin in good condition. Skull complete except for right side of mandible.

MEASUREMENTS: Skin: total length, 167 mm.; tail vertebrae, 80; hind foot, 20. Skull: greatest length, 23.5; zygomatic breadth, 11.6; length of maxillary tooth row, 4.

GENUS **LOPHUROMYS** PETERS

Lophuromys luteogaster Hatt
Amer. Mus. Novitates, no. 708, pp. 4–5, April 4, 1934.

49647. Skin and skull. Adult female. Medje, Ituri District, Belgian Congo. April 10, 1914. Collector: H. Lang. Original number 2360.

Skin in fair condition. Skull complete except zygomatic arches broken.

MEASUREMENTS: Skin: total length, 212 mm.; tail vertebrae, 102; hind foot, 22. Skull: greatest length, 29.2; zygomatic breadth, 24.5; length of maxillary tooth row, 4.8.

GENUS **NESOKIA** GRAY

Nesokia insularis Goodwin
Amer. Mus. Novitates, no. 1082, p. 12, July 18, 1940.
= *Nesokia indica insularis* Goodwin. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 620, November 19, 1951.

88845. Skin and skull. Adult male. East end of Main Kaleh Peninsula, south shore of Caspian Sea, Iran. Altitude, sea level. October 15, 1938. Collector: G. G. Goodwin. Legendre 1938 Iran Expedition. Original number 3643.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 320 mm.; tail vertebrae, 120; hind foot, 40. Skull: greatest length, 46.4; zygomatic breadth, 28.3; length of maxillary tooth row, 9.6.

Nesokia legendrei Goodwin
Amer. Mus. Novitates, no. 1048, p. 1, November 22, 1939.
= *Nesokia* [?] *indica legendrei* Goodwin. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 620, November 19, 1951.

88861. Skin and skull. Adult male. Gouladah, a small village in the district of Bujnurd, Iran. Altitude, 3200 feet. November 10, 1938. Collector: G. G. Goodwin. Legendre 1938 Iran Expedition. Original number 3797.

Skin in good condition. Skull complete, except tips of upper incisors broken.

MEASUREMENTS: Skin: total length, 395 mm.; tail vertebrae, 170; hind foot, 41. Skull: greatest length, 51; zygomatic breadth, 30; length of maxillary tooth row, 10.4.

GENUS **CRICETOMYS** WATERHOUSE

Cricetomys gambianus langi Hatt
Amer. Mus. Novitates, no. 708, pp. 5–6, April 4, 1934.

51153. Skin and skull. Adult male. Faradje, upper Uele district, Belgian Congo. January 12, 1913. Collector: H. Lang. American Museum Congo Expedition. Original number 1198.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 660 mm.; tail vertebrae, 340; hind foot, 62. Skull: greatest length, 67; zygomatic breadth, 32; length of maxillary tooth row, 10.5.

GENUS **DENDROMUS** SMITH

Dendromus mesomelas vernayi Hill and Carter
Amer. Mus. Novitates, no. 913, pp. 4, 10, March 8, 1937.

85909. Skin and skull. Adult female. Chitau, Angola. Altitude, 4930 feet. August 4, 1925. Collector: H. Lang. Vernay Angola Expedition. Original number 449.

Skin in good condition. Skull lacking occipital region.

MEASUREMENTS: Skin: total length, 163 mm.; tail vertebrae, 86; hind foot, 20. Skull: greatest length, 22.1; zygomatic breadth, 11.9; length of maxillary tooth row, 3.8.

GENUS **STEATOMYS** PETERS

Steatomys pratensis kasaicus Hatt
Amer. Mus. Novitates, no. 708, p. 15, April 4, 1934.

86077. Skin and skull. Adult male. Luluabourg, Kasai district, Belgian Congo. May 25, 1923. Collector: R. Callewaert.

Skin in poor condition. Skull complete except for zygoma and squamosal.

MEASUREMENTS: Skin: total length, 150 mm.; tail vertebrae, 47; hind foot, 17. Skull: greatest length, 28.7; zygomatic breadth, 13.5; length of maxillary tooth row, 4.2.

Steatomys minutus leucorhynchus Hill and Carter
Amer. Mus. Novitates, no. 913, pp. 4, 10, March 8, 1937.

85846. Skin and skull. Adult male. Capelongo, Huilla district, Angola. July 21, 1925. Collector: H. Lang. Vernay Angola Expedition. Original number 304.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 130 mm.; tail vertebrae, 45; hind foot, 17. Skull: greatest length, 23.5; zygomatic breadth, 12.1; length of maxillary tooth row, 4.1.

Steatomys angolensis Hill and Carter
Amer. Mus. Novitates, no. 913, pp. 5, 10, March 8, 1937.

88367. Skin and skull. Adult female. Chitau, Angola. Altitude, 4930 feet. March 6, 1933. Collector: L. S. Bradley. Phipps, Bradley Angola Expedition. Original number 964.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 150 mm.; tail vertebrae, 59; hind foot, 18. Skull: greatest length, 25.2; zygomatic breadth, 12; length of maxillary tooth row, 4.

Steatomys angolensis bradleyi Hill and Carter
Amer. Mus. Novitates, no. 913, pp. 5, 10, March 8, 1937.

87873. Skin and skull. Adult male. Humpata, Angola. Altitude, 6300 feet. November 29, 1932. Collector: L. S. Bradley. Phipps, Bradley Angola Expedition. Original number 580.

Skin in good condition. Skull crushed but partly restored.

MEASUREMENTS: Skin: total length, 147 mm.; tail vertebrae, 55; hind foot, 17. Skull: greatest length, 26.3; length of maxillary tooth row, 4.2.

GENUS **OTOMYS** CUVIER

Otomys tropicalis faradjius Hatt
Amer. Mus. Novitates, no. 708, pp. 1–2, April 4, 1934.

50357. Skin and skull. Adult male. Faradje, upper Uele District, Belgian Congo. March 26, 1911. Collector: J. P. Chapin. American Museum Congo Expedition. Original number 1561.

Skin in good condition. Skull complete except for the second upper molar on right and left sides.

MEASUREMENTS: Skin: total length, 277 mm.; tail vertebrae, 97; hind foot, 32. Skull: greatest length, 39.7; zygomatic breadth, 19.8; length of maxillary tooth row, 8.4.

Otomys cuanzensis Hill and Carter
Amer. Mus. Novitates, no. 913, pp. 7–9, 10, fig. 4, March 8, 1937.

85841. Skin and skull. Adult male. Chitau, Angola. Altitude, 4930 feet. August 4, 1925. Collector: H. Lang. Vernay Angola Expedition. Original number 410.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 287 mm.; tail vertebrae, 109; hind foot, 33. Skull: greatest length, 43.6; zygomatic breadth, 21.1; length of maxillary tooth row, 9.8.

GENUS **LENOMYS** THOMAS

Lenomys meyeri lampo Tate and Archbold
Amer. Mus. Novitates, no. 803, pp. 5–6, May 18, 1935.

101128. Archbold Collections. Skin and skull. Adult female. Wawa Karaing Mountain, Lampobatang, southern Celebes, Netherlands East Indies. Altitude, 2200 meters. September 13, 1931. Collector: G. Heinrich. Original number 401.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 551 mm.; tail vertebrae, 276; hind foot, 45. Skull: occipitonasal length, 57.1; zygomatic breadth, 28.3; length of maxillary tooth row, 11.

GENUS **POGONOMYS** MILNE-EDWARDS

Pogonomys lepidus huon Tate and Archbold
Amer. Mus. Novitates, no. 803, p. 6, May 18, 1935.
= *Pogonomys macrourus macrourus* Milne-Edwards. According to Rümmler, Mitt. Zool. Mus. Berlin, vol. 23, p. 63, 1938.

79763. Skin and skull. Adult male. Sevia, Cromwell Mountains, Huon Peninsula, British New Guinea. March 20, 1929. Collector: R. H. Beck. Whitney South Sea Expedition. Original number 1499.

Skin in good condition. Skull complete except for jugal on both sides.

MEASUREMENTS: Skin: total length, 320 mm.; tail vertebrae, 185; hind foot, 22. Skull: greatest length, 30.2; zygomatic breadth, 16.4; length of maxillary tooth row, 5.2.

Pogonomys lepidus derimapa Tate and Archbold
Amer. Mus. Novitates, no. 803, pp. 6–7, May 18, 1935.
= *Pogonomys macrourus macrourus* Milne-Edwards. According to Rümmler, Mitt. Zool. Mus. Berlin, vol. 23, p. 63, 1938.

101963. Archbold Collections. Skin and skull. Adult female. Mt. Derimapa, Gebroeders Gebirge, Netherlands New Guinea. Altitude, 1600 meters. August 16, 1930. Collector: F. Shaw Mayer. Original number 169.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 286 mm.; tail vertebrae, 174; hind foot, 23. Skull: greatest length, 31.1; zygomatic breadth, 17.2; length of maxillary tooth row, 5.4.

Pogonomys (Chiruromys) forbesi satisfactus Tate and Archbold
Amer. Mus. Novitates, no. 803, pp. 7–8, May 18, 1935.
= *Pogonomys forbesi forbesi* (Thomas). According to Rümmler, Mitt. Zool. Mus. Berlin, vol. 23, p. 71, 1938.

79828. Skin and trunk in alcohol. Skull removed. Adult male. Goodenough Island (Dauila), D'Entrecasteaux group, east of British New Guinea. November 18, 1924. Collector: R. H. Beck. Whitney South Sea Expedition.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 360 mm.; tail vertebrae, 225 mm.; hind foot, 37. Skull: greatest length, 35; zygomatic breadth, 21.7; length of maxillary tooth row, 6.

Pogonomys (Chiruromys) pulcher major Tate and Archbold
Amer. Mus. Novitates, no. 803, p. 8, May 18, 1935.
= *Pogonomys forbesi forbesi* (Thomas). According to Rümmler, Mitt. Zool. Mus. Berlin, vol. 23, p. 71, 1938.

79831. Skin and trunk in alcohol. Skull removed. Adult female. Goodenough Island (Dauila), D'Entrecasteaux group, east of British New Guinea. November 18, 1924. Collector: R. H. Beck. Whitney South Sea Expedition.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 390 mm.; tail vertebrae, 245; hind foot, 37. Skull: greatest length, 37.4; zygomatic breadth, 22.3; length of maxillary tooth row, 6.

Pogonomys kagi Tate
Bull. Amer. Mus. Nat. Hist., vol. 97, art. 4, p. 282, October 30, 1951.

108458. Archbold Collections. Skin and skull. Adult male, Kagi, south side of Central Range, near Mt. Albert Edward, on Moresby–Kokoda track, Papua, British New Guinea. Altitude, 5000 feet. March 11, 1937. Collector: G. H. H. Tate. Original number 3767.

Skin in good condition. Skull somewhat crushed.

MEASUREMENTS: Skin: total length, 248 mm.; tail vertebrae, 141; hind foot (s.u.), 24. Skull: greatest length, 29.2; zygomatic breadth, 16.7; length of maxillary tooth row, 4.75.

GENUS **HYDROMYS** GEOFFROY

Hydromys neobrittanicus Tate and Archbold
Amer. Mus. Novitates, no. 803, pp. 8–9, May 18, 1935.

99867. Skin and skull. Adult female. Bainings, Balayang, Wide Bay, New Britain, Solomon Islands. Altitude, 2500 feet. March 4, 1933. Collector: W. F. Coultas. Whitney South Sea Expedition. Original number 44022.

Skin in good condition. Skull complete except for left bulla.

MEASUREMENTS: Skin: total length, 577 mm.; tail vertebrae, 289; hind foot, 63. Skull: greatest length, 55.8; zygomatic breadth, 28.5; length of maxillary tooth row, 9.4.

Hydromys habbema Tate and Archbold
Amer. Mus. Novitates, no. 1101, p. 3, January 30, 1941.

110055. Archbold Collections. Skin and skull. Adult male. Lake Habbema, 15 kilometers north of Mt. Wilhelmina, Netherlands New Guinea. Altitude, 3225 meters. August 18, 1938. Collector: W. B. Richardson. 1938 New Guinea Expedition. Original number 4722.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 317 mm.; tail vertebrae, 170; hind foot (s.u.), 36. Skull: greatest length, 34; zygomatic breadth, 17.4; length of maxillary tooth row, 5.2.

GENUS **LEPTOMYS** THOMAS

Leptomys signatus Tate and Archbold
Amer. Mus. Novitates, no. 982, p. 2, May 12, 1938.
= *Leptomys elegans signatus* Tate and Archbold. According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 97, art. 4, p. 223, October 30, 1951.

105792. Archbold Collections. Skin and skull. Adult female. Sturt Island Camp, Fly River, north bank, near Fairfax Islands, Western Division of Papua. British New Guinea. Altitude, sea level. October 12, 1936. Collector: G. H. H. Tate. 1936 New Guinea Expedition. Original number 2972. Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 295 mm.; tail vertebrae, 151; hind foot (s.u.), 38. Skull: greatest length, 38.4; zygomatic breadth, 16.2; length of maxillary tooth row, 6.3.

GENUS **PARALEPTOMYS** TATE AND ARCHBOLD

Paraleptomys wilhelmina Tate and Archbold
Amer. Mus. Novitates, no. 1101, pp. 1–2, January 30, 1941.

150512. Archbold Collections. Skin and skull. Adult male. Nine kilometers northeast of Lake Habbema, near Mt. Wilhelmina, Netherlands New Guinea. Altitude, 2800 meters. October 15, 1938. Collector: W. B. Richardson. 1938 New Guinea Expedition. Original number 5143.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 261 mm.; tail vertebrae, 135; hind foot (s.u.), 31. Skull: condylo-incisive length, 29.2; zygomatic breadth, 16.0; length of maxillary tooth row, 4.5.

GENUS **PSEUDOHYDROMYS** RÜMMLER

Pseudohydromys occidentalis Tate
Bull. Amer. Mus. Nat. Hist., vol. 97, art. 4, pp. 224–225, October 30, 1951.

150772. Archbold Collections. Skin and skull. Adult male. Lake Habbema, north of Mt. Wilhelmina, Netherlands New Guinea. Altitude, 3225 meters. August 8, 1938. Collector: W. B. Richardson. Original number 4635.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 191 mm.; tail vertebrae, 90; hind foot, 20. Skull: condylobasal length, 24.7; zygomatic breadth, 11.8; length of maxillary tooth row, 2.7.

GENUS **MICROHYDROMYS** TATE AND ARCHBOLD

Microhydromys richardsoni Tate and Archbold
Amer. Mus. Novitates, no. 1101, pp. 2–3, January 30, 1941.

152079. Archbold Collections. Skin and skull. Adult male. Four kilometers southwest of Bernhard Camp, Idenburg River, Netherlands New Guinea. Altitude, 850 meters. March 16, 1939. Collector: W. B.

Richardson. 1938 New Guinea Expedition. Original number 7677.

Skin in good condition. Skull badly crushed.

MEASUREMENTS: Skin: total length, 172 mm.; tail vertebrae, 92; hind foot (s.u.), 20. Skull: length of maxillary tooth row, 2.4.

FAMILY **GLIRIDAE** THOMAS

GENUS **GLIS** BRISSON

Glis glis petruccii Goodwin

Amer. Mus. Novitates, no. 1050, p. 1, December 1, 1939.

88759. Skin and skull. Semi-adult male. Gouladah foothills of the Kurkhud Mountains, District of Bujnurd, northeastern Iran. Altitude, 3000 feet. November 4, 1938. Collector: G. G. Goodwin. Legendre 1938 Iran Expedition. Original number 3757.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 220 mm.; tail vertebrae, 100; hind foot, 27. Skull: greatest length, 31.5; zygomatic breadth, 19.6; length of maxillary tooth row, 6.5.

GENUS **CLAVIGLIS** JENTINK

Claviglis ansorgei cuanzensis Hill and Carter

Amer. Mus. Novitates, no. 913, pp. 9–10, fig. 5, March 8, 1937.

88191. Skin and skull. Adult female. Chitau, Angola. Altitude, 4930 feet. February 12, 1933. Collector: L. S. Bradley. Phipps, Bradley Angola Expedition. Original number 713.

Skin in fairly good condition. Skull complete except for first upper left premolar.

MEASUREMENTS: Skin: total length, 149 mm.; tail vertebrae, 62; hind foot, 16. Skull: greatest length, 23.8; zygomatic breadth, 13.7; length of maxillary tooth row, 2.8.

FAMILY **ZAPODIDAE** COUES

GENUS **ZAPUS** COUES

Zapus princeps J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 5, art. 6, pp. 71–72, April 28, 1893.

5260/4140. Skin and skull. Adult female. Florida, La Plata County, Colorado. Altitude, 7200 feet. June 27, 1892. Collector: C. P. Rowley. "Illustrated American" Exploring Expedition. Original number 311.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 238 mm.; tail vertebrae, 144; hind foot, 36. Skull: greatest length, 24.8; zygomatic breadth, 12.3; length of maxillary tooth row, 3.7.

Zapus saltator J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 12, art. 1, pp. 3–4, March 4, 1899.

=*Zapus princeps saltator* Allen. According to R. M. Anderson, Bull. Natl. Mus. Canada, no. 102, biol. ser., no. 31, p. 170, January 24, 1947.

14408. Skin and skull. Subadult female. Telegraph Creek, Stikine River, British Columbia, Canada. August 23, 1897. Collector: A. J. Stone. "Recreation" Northland Expedition. Original number 22.

Skin in fair condition. Skull imperfect: lacking palate, upper incisors, and maxillary tooth row on left side.

MEASUREMENTS: Skin: total length, 216 mm.; tail vertebrae, 140; hind foot, 32. Skull: greatest length, 21.5; zygomatic breadth, 11.5; length of maxillary tooth row, 4.1.

FAMILY **DIPODIDAE** WATERHOUSE

GENUS **STYLODIPUS** G. M. ALLEN

Stylodipus andrewsi G. M. Allen

Amer. Mus. Novitates, no. 161, pp. 4–6, figs. 1–3, March 31, 1925.

=*Stylodipus telum andrewsi* Allen. According to Allen, The mammals of China and Mongolia, Natural history of Central Asia, vol. 11, pt. 2, p. 1091, September 3, 1940.

58549. Skin and skull. Adult male. Ussuk, Mongolia. June 22, 1922. Collector: R. C. Andrews. Third Asiatic Expedition. Original number 1303.

Skin in good condition. Skull complete except for last upper left molar.

MEASUREMENTS: Skin: total length, 278 mm.; tail vertebrae, 150; hind foot, 55. Skull: greatest length, 33; zygomatic breadth, 22.8; length of maxillary tooth row, 6.

GENUS **ALLACTAGA** CUVIER

Allactaga bullata G. M. Allen

Amer. Mus. Novitates, no. 161, pp. 2–3, March 31, 1925.

58723. Skin and skull. Adult male. Tsagan Nor, Mongolia. July 5, 1922. Collector: R. C. Andrews. Third Asiatic Expedition. Original number 1508.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 293 mm.; tail vertebrae, 188; hind foot, 70. Skull: greatest length, 34; zygomatic breadth, 24; length of maxillary tooth row, 6.5.

Allactaga elater turkmeni Goodwin
Amer. Mus. Novitates, no. 1082, p. 13, July 18, 1940.
= *Allactaga elater indica* Gray. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 530, November 19, 1951.

88748. Skin and skull. Adult male. Turkman Plains, about 60 kilometers east of Astardbad on the banks of the Gurgan River, Iran. Altitude, about 40 feet above sea level. October 27, 1938. Collector: G. G. Goodwin. Legendre 1938 Iran Expedition. Original number 3718.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 260 mm.; tail vertebrae, 152; hind foot, 54. Skull: greatest length, 27.9; zygomatic breadth, 20.9; length of maxillary tooth row, 5.2.

FAMILY **HYSTRICIDAE** BURNETT

GENUS **HYSTRIX** LINNAEUS

Acanthion subcristatus papae G. M. Allen
Amer. Mus. Novitates, no. 290, pp. 3–4, October 24, 1927.
= *Hystrix* (*Acanthion*) *subcristata papae* (Allen). According to Allen, The mammals of China and Mongolia, Natural history of Central Asia, vol. 11, pt. 2, p. 1109, September 3, 1940.
= *Hystrix hodgsoni papae* (Allen). According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 519, November 19, 1951.

60048. Skin and skull. Adult male. Nodoa, Island of Hainan, China. January 17, 1923. Collector: C. H. Pope. Third Asiatic Expedition. Original number 599.

Skin flat and tanned, in fair condition. Skull complete.

MEASUREMENTS: Skin, taken in the flesh: total length, 670 mm.; tail vertebrae, 100. Skull: greatest length, 135; zygomatic breadth, 65; length of maxillary tooth row, 30.

GENUS **ATHERURUS** CUVIER

Atherurus hainanus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 22, art. 28, pp. 470–472, December 17, 1906.
= *Atherurus macrourus hainanus* Allen. According to G. M. Allen, Amer. Mus. Novitates, no. 290, p. 1, October 24, 1927.

26641. Skin and skull. Adult male. Island of Hainan, China. September, 1902. Purchased from Alan Owston of Yokohama, taken by his agents. Original number 3.

Skin in poor condition. Skull complete.

MEASUREMENTS: Skin: total length, 520 mm.; tail vertebrae, 139; hind foot, 64. Skull: greatest length, 91; zygomatic breadth, 45; length of maxillary tooth row, 16.2.

FAMILY **ERETHIZONTIDAE** THOMAS

GENUS **ERETHIZON** CUVIER

Erethizon epizanthus nigrescens J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 19, art. 21, pp. 558–559, October 10, 1903.
= *Erithizon epixanthum nigrescens* Allen. According to Miller, Bull. U. S. Natl. Mus. no. 79, p. 290, December 31, 1912.
= *Erethizon dorsatum nigrescens* Allen. According to Anderson and Rand, Canada Jour. Res., D21, p. 304, September 24, 1943.

20772. Skin and skull. Adult male. Shesley River, British Columbia, Canada. August 23, 1902. Collector: M. P. Anderson. Andrew J. Stone 1902 Expedition. Original number 688.

Skin in good condition. Skull with nasals and interorbital region crushed but otherwise intact.

MEASUREMENTS: Skin: total length, 740 mm.; tail vertebrae, 210; hind foot, 90. Skull: greatest length, 107; zygomatic breadth, 68; length of maxillary tooth row, 26.

† **Erethizon godfreyi** J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 32, pp. 383–384, October 15, 1904.

24204. Skull. Old animal. Volcanic fissure (Pleistocene), White Mountain, Apache Indian Reservation, Arizona. Collector: G. C. M. Godfrey. Catalogued September, 1904.

Skull in good condition, lacking upper incisors and lower jaws.

MEASUREMENTS: Skull: greatest length, 104.3 mm.; zygomatic breadth, 69; length of maxillary tooth row, 25.

GENUS **COENDOU** LACÉPÈDE

Coendou sanctaemartae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 35, pp. 441–443, November 28, 1904.

15460. Skin and skull. Adult female. Bonda, Santa Marta district, Colombia. April 28, 1899. Collector: H. H. Smith. Jesup Santa Marta Expedition. Original number 413.

Skin in fair condition. Skull complete except for last lower right molar.

MEASUREMENTS: Skin: total length, 787 mm.; tail vertebrae, 433; hind foot, 89. Skull: greatest length, 82; zygomatic breadth, 50; length of maxillary tooth row, 18.6.

Coendu[1] quichua richardsoni J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 29, pp. 478–479, September 25, 1913.

33242. Skin and skull. Adult male. Esmeraldas, Ecuador. Altitude, near sea level. October 23, 1912. Collector: W. B. Richardson. Original number 75.

Skin in fair condition. Skull crushed, lacking all but left ramus, palatal region, premaxillary, and upper dentition.

MEASUREMENTS: Skin: total length, 590 mm.; tail vertebrae, 240; hind foot, 60. Skull: length of maxillary tooth row, 17.9.

FAMILY **CAVIIDAE** WATERHOUSE

GENUS **CAVIA** PALLAS

Cavia porcellus venezuelae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 30, art. 10, pp. 250–251, December 2, 1911.
= *Cavia guianae* Thomas. According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, p. 186, October 20, 1939.

30742. Skin and skull. Adult male. Altagracia, Immataca District, near the Guiana border, Venezuela. June 9, 1910. Collector: M. A. Carriker, Jr. Original number 7480.

Skin in fair condition. Skull complete except for third upper left molar.

MEASUREMENTS: Skin: total length (head and body), 265 mm.; hind foot, 46. Skull: greatest length, 59.5; zygomatic breadth, 32.4; length of maxillary tooth row, 14.

Cavia anolaimae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 35, art. 11, p. 85, April 28, 1916.

37358. Skin and skull. Adult male. Anolaima, on a branch of the Rio Bogotá, west of Bogotá, Colombia. September 8, 1913. Collector: M. Gonzalez. Original number 21.

Skin in fair condition, fur slipped in places on side and abdomen. Skull lacking base of braincase and occipital region.

MEASUREMENTS: Skin: total length, 335 mm.; hind foot, 62. Skull: greatest length, 66.5; zygomatic breadth, 38; length of maxillary tooth row, 17.4.

FAMILY **DINOMYIDAE** ALSTON

GENUS **DINOMYS** PETERS

Dinomys gigas Anthony
Amer. Mus. Novitates, no. 19, pp. 6–7, October 26, 1921.

33913. Skin. La Candela, Huila, Colombia. Altitude, 6500 feet. Purchased from hunter, May 20, 1912, by L. E. Miller.

Skin tanned and without feet.

MEASUREMENTS: Skin: total length, 750 mm.

FAMILY **DASYPROCTIDAE** SMITH

GENUS **DASYPROCTA** ILLIGER

Dasyprocta variegata zamorae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 34, art. 22, p. 627, December 30, 1915.

36582. Skin and skull. Adult female. Zamora, Ecuador. Altitude, 2000 feet. November 1, 1913. Collector: W. B. Richardson. Original number 310.

Skin in fair condition. Hair slipped in places about hind limbs and abdomen. Skull complete except for last lower left molar.

MEASUREMENTS: Skin: total length, 620 mm.; hind foot, 120. Skull: greatest length, 110.5; zygomatic breadth, 48.5; length of maxillary tooth row, 20.

Dasyprocta variegata chocoensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 34, art. 22, pp. 627–628, December 30, 1915.

32153. Skin and skull. Subadult male. Los Cisneros, Chocó District, Colombia. Altitude, 600 feet. March 19, 1911. Collector: W. B. Richardson. Original number 101.

Skin in good condition. Skull broken in the occipital region and lacking first lower right premolar. The last molars not fully developed.

MEASUREMENTS: Skin: total length, 550 mm.; hind foot, 120. Skull: greatest length, 150 mm.; zygomatic breadth, 46; length of maxillary tooth row, 22.2.

[1] Typographical error in type description; equals *Coendou*

Dasyprocta variegata urucuma J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 34, art. 22, p. 634, December 30, 1915.

36981 (not 36918 as in type description). Skin and skull. Adult female. Urucum near Curumbá, Mato Grosso, Brazil. December 7, 1913. Collector: L. E. Miller. Roosevelt Brazilian Expedition. Original number 138.

Skin in good condition. Skull complete except third upper left molar broken.

MEASUREMENTS: Skin: total length, 570 mm.; tail vertebrae, 20; hind foot, 120. Skull: greatest length, 102.7; zygomatic breadth, 48.5; length of maxillary tooth row, 17.5.

Dasyprocta fulginosa candelensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 34, art. 22, pp. 625–627, December 30, 1915.

33902. Skin and skull. Adult female. La Candela, Huila, Colombia. Altitude, 6500 feet. May 11, 1912. Collector: L. E. Miller. Original number 765.

Skin in good condition. Skull complete except third upper right molar broken.

MEASUREMENTS: Skin: total length, 570 mm.; tail vertebrae, 30; hind foot, 130. Skull: greatest length, 122.7; zygomatic breadth, 52.5; length of maxillary tooth row, 22.

GENUS **MYOPROCTA** THOMAS

Myoprocta milleri J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 29, pp. 477–478, September 25, 1913.
= *Myoprocta acouchy milleri* Allen. According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, p. 182, October 20, 1939.

33656/34354. Skin and skull. Adult male. La Murelia, Caquetá, Colombia. Altitude, 600 feet. July 16, 1912. Collector: L. E. Miller. Original number 910.

Skin in good condition. Skull complete, occipital and bullae broken but repaired.

MEASUREMENTS: Skin: total length, 410 mm.; tail vertebrae, 50; hind foot, 80. Skull: greatest length, 80; zygomatic breadth, 40; length of maxillary tooth row, 12.9.

Myoprocta exilis demararae Tate
Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, p. 182, October 20, 1939.

36493. Skin and skull. Adult male. Bonasica, Essequibo River, British Guiana. Collector: F. O. McConnell. An exchange with British Museum. Received February 27, 1914.

Skin in good condition. Skull with under side of braincase broken.

MEASUREMENTS: Skin: total length, 370 mm.; tail vertebrae, 50; hind foot (s.u.), 83. Skull: zygomatic breadth, 37.5; length of maxillary tooth row, 13.2.

FAMILY **CAPROMYIDAE** SMITH

GENUS **GEOCAPROMYS** CHAPMAN

Capromys ingrahami J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 3, no. 2, art. 23, pp. 329–336, figs. 1, 3, 5–9, August 31, 1891.
= *Geocapromys ingrahami* (Allen). According to Chapman, Bull. Amer. Mus. Nat. Hist., vol. 14, p. 320, November 12, 1901.

3968/3032. Skin and skull. Plana Key, Bahama Islands, West Indies. February, 1891. Collector: D. P. Ingraham.

Skin in fair condition. Skull complete except for last molar on each side of lower jaw.

MEASUREMENTS: Skin: total length, 335 mm.; tail vertebrae, 55; hind foot, 56. Skull: greatest length, 65; zygomatic breadth, 32.4; length of maxillary tooth row, 16.

FAMILY **ECHIMYIDAE** MILLER AND GIDLEY

GENUS **PROECHIMYS** J. A. ALLEN

Proechimys guyannensis arabupu Moojen
Univ. Kansas Publ., Mus. Nat. Hist., vol. 1, no. 19, p. 369, December 10, 1948.

75816. Skin and skull. Adult male. Arabupu, Mt. Roraima, Boa Vista, territory of Rio Branco, Brazil. Altitude, 1540 meters. December 30, 1927. Collector: G. H. H. Tate. Original number 4716.

Skin in good condition. Skull complete, left side of ramus broken.

MEASUREMENTS: Skin: total length, 463 mm.; tail vertebrae, 220; hind foot, 56. Skull: greatest length, 58.6; zygomatic breadth, 27; length of maxillary tooth row, 8.7.

Echimys mincae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 12, art. 16, pp. 198–199, December 20, 1899.
= *Proechimys guyannensis mincae* (Allen). According to Moojen, Univ. Kansas Publ., Mus. Nat. Hist., vol. 1, no. 19, p. 316, December 10, 1948.

15389. Skin and skull. Adult male. Minca, Santa Marta District, Colombia. July 19,

1899. Collector: H. H. Smith. Jesup Santa Marta 1898–1899 Expedition. Original number 952.

Skin in fair condition. Skull lacking left nasal bone and last lower right molar.

MEASUREMENTS: Skin: total length, 456 mm.; tail vertebrae, 210; hind foot, 57. Skull: greatest length, 59; zygomatic breadth, 26.8; length of maxillary tooth row, 8.6.

Proechimys o'connelli J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 29, p. 479, September 25, 1913.
= *Proechimys guyannensis o'connelli* Allen. According to Moojen, Univ. Kansas Publ., Mus. Nat. Hist., vol. 1, no. 19, p. 316, December 10, 1948.

34595. Skin and skull. Adult male. Villavicencio, eastern Colombia. Altitude, 1600 feet. March 15, 1913. Collector: G. M. O'Connell. Original number 58.

Skin in fair condition. Skull complete except for broken left ramus.

MEASUREMENTS: Skin: total length, 415 mm.; tail vertebrae, 160; hind foot, 55. Skull: greatest length, 60.5; zygomatic breadth, 28; length of maxillary tooth row, 9.5.

Proechimys guyannensis riparum Moojen
Univ. Kansas Publ., Mus. Nat. Hist., vol. 1, no. 19, pp. 367–368, fig. 98, December 10, 1948.

143018. Skin and skull. Adult female. Manaus, Amazonas, Brazil. March 6, 1943. Collector: E. T. Gilliard. Original number 102.

Skin in fair condition, lacking tail. Skull not located.

MEASUREMENTS: Skin: head and body, 225 mm.; hind foot, 44. Skull: length of maxillary tooth row, 6.8.

Echimys trinitatis J. A. Allen and Chapman
Bull. Amer. Mus. Nat. Hist., vol. 5, art. 13, pp. 223–227, September 21, 1893.
= *Proechimys guyannensis trinitatis* (Allen and Chapman). According to Moojen, Univ. Kansas Publ., Mus. Nat. Hist., vol. 1, no. 19, p. 316, December 10, 1948.

5913/4643. Skin and skull. Adult male. Princestown, Trinidad, West Indies. April 26, 1893. Collector: F. M. Chapman. Original number 642.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 491 mm.; tail vertebrae, 230; hind foot, 53. Skull: greatest length, 60.6; zygomatic breadth, 27; length of maxillary tooth row, 8.7.

Echimys urichi J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 12, art. 16, pp. 199–200, December 20, 1899.
= *Proechimys guyannensis urichi* (Allen). According to Moojen, Univ. Kansas. Publ., Mus. Nat. Hist., vol. 1, no. 19, p. 316, December 10, 1948.

14798. Skin and skull. Adult male. Quebrada Secca, Venezuela. November 23, 1898. Collector: F. W. Urich. Original number 10.

Skin in rather poor condition. Skull complete.

MEASUREMENTS: Skin: total length, 370 mm.; tail vertebrae, 171; hind foot, 44. Skull: greatest length, 47.6; zygomatic breadth, 23.3; length of maxillary tooth row, 8.2.

Proechimys boimensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 35, art. 27, p. 523, July 24, 1916.
= *Proechimys longicaudatus boimensis* Allen. According to Moojen, Univ. Kansas Publ., Mus. Nat. Hist., vol. 1, no. 19, p. 350, December 10, 1948.

37486. Skin and skull. Adult male. Boim, Rio Tapajoz, Santarem, Pará, Brazil. October 2, 1911. Exchange with Museum Goeldi. Original number 15.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 348 mm.; tail vertebrae, 149; hind foot, 45. Skull: greatest length, 56.3; zygomatic breadth, 23.2; length of maxillary tooth row, 7.1.

Proechimys semispinosus amphichoricus Moojen
Univ. Kansas Publ., Mus. Nat. Hist., vol. 1, no. 19, pp. 344–345, figs. 34, 37, 41, 42, December 10, 1948.

77020. Skin and skull. Adult male. Mt. Duida, Esmeralda, Amazonas, Venezuela. Altitude, 325 meters. October 16, 1928. Collectors: Olalla brothers. Original number 68.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 431 mm.; tail vertebrae, 181; hind foot, 57. Skull: greatest length, 61.5; zygomatic breadth, 27; length of maxillary tooth row, 9.4.

Proechimys kermiti J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 34, art. 22, pp. 629–630, December 30, 1915.

= *Proechimys semispinosus kermiti* Allen. According to Moojen, Univ. Kansas Publ., Mus. Nat. Hist., vol. 1, no. 19, p. 345, December 10, 1948.

37124. Skin and skull. Adult female. Lower Rio Solimoes (up the Solimoes 50 to 60 miles on the north bank of the river), Manacaparu, Amazonas, Brazil. April 20, 1914. Collector: L. E. Miller. Roosevelt Brazilian Expedition. Original number 395.

Skin in fair condition, lacking tail. Skull complete.

MEASUREMENTS: Skin: head and body 310 mm. (dry, 275); hind foot, 55. Skull: greatest length, 65; zygomatic breadth, 29.2; length of maxillary tooth row, 9.

Echimys canicollis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 12, art. 16, pp. 200–201, December 20, 1899.

= *Proechimys canicollis* (Allen). According to Allen, Bull. Amer. Mus. Nat. Hist., vol. 12, p. 264, December 26, 1899.

15397. Skin and skull. Adult male. Bonda, Santa Marta District, Colombia. April 20, 1899. Collector: H. H. Smith. Morris K. Jesup Santa Marta Expedition 1898–1899. Original number 384.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 425 mm.; tail vertebrae, 178; hind foot, 50. Skull: greatest length, 53.3; zygomatic breadth, 25.2; length of maxillary tooth row, 8.5.

GENUS **HOPLOMYS** J. A. ALLEN

Hoplomys truei J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 29, art. 34, pp. 650–652, figs. 1, 3, October 13, 1908.

= *Hoplomys gymnurus truei* Allen. According to Goldman, Smithsonian Misc. Coll., vol. 69, no. 5, p. 124, 1920.

28367. Skin and skull. Adult male. Lavala, Matagalpa Province, Nicaragua. October 5, 1907. Collector: W. B. Richardson. Original number 116.

Skin in fair condition. Skull cut in two across the frontals by trap but repaired, lacking last upper right molar.

MEASUREMENTS: Skin: total length, 550 mm.; tail vertebrae, 170; hind foot, 45 (dry, 51). Skull: greatest length, 57; zygomatic breadth, 26.3; length of maxillary tooth row, 9.5.

Proechimys cayennensis hoplomyoides Tate

Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, p. 179, October 20, 1939.

= *Hoplomys [gymnurus hoplomyoides]* (Tate). According to Moojen, Univ. Kansas Publ., Mus. Nat. Hist., vol. 1, no. 19, p. 315, December 10, 1948.

75633. Skin and skull. Adult female. Rondon Camp, Mt. Roraima, Venezuela. Altitude, 6800 feet. December 2, 1927. Collectors: G. H. H. Tate and T. D. Carter. Original number 4584.

Skin in good condition. Skull complete except for frontal region.

MEASUREMENTS: Skin: total length, 376 mm.; tail vertebrae, 158; hind foot, 48. Skull: greatest length, 52.5; zygomatic breadth, 25.7; length of maxillary tooth row, 8.7.

GENUS **DIPLOMYS** THOMAS

Isothrix rufodorsalis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 12, art. 16, pp. 197–198, December 20, 1899.

= *Diplomys rufodorsalis* (Allen). According to Ellerman, The families and genera of living rodents, vol. 1, p. 115, June 8, 1940.

14606. Skin and skull. Adult male. Onaca, Santa Marta District, Colombia. December 24, 1898. Collector: H. H. Smith. Morris K. Jesup Santa Marta Expedition. Original number 703.

Skin in fair condition. Skull lacking last two lower left molars and right nasal bone.

MEASUREMENTS: Skin: total length, 457 mm.; tail vertebrae, 267; hind foot (s.u.), 35. Skull: greatest length, 518; zygomatic breadth, 24.5; length of maxillary tooth row, 11.

GENUS **ECHIMYS** CUVIER

Loncheres carrikeri J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 30, art. 10, pp. 251–252, December 2, 1911.

= *Echimys semivillosus carrikeri* (Allen). According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 76, p. 180, October 20, 1939.

31530. Skin and skull. Adult female. San Esteban, Venezuela. Altitude, 250 feet. November 15, 1910. Collector: M. A. Carriker, Jr. Original number 8633.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 467 mm.; tail vertebrae, 243; hind foot, 40. Skull:

greatest length, 52.3; zygomatic breadth, 26; length of maxillary tooth row, 12.5.

Echimys longirostris Anthony
Amer. Mus. Novitates, no. 19, pp. 5–6, October 26, 1921.
= *Echimys armatus armatus* Geoffroy St. Hilaire. According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 76, p. 181, October 20, 1939.

42886. Skin, skull, and skeleton. Kartabo, British Guiana. July 26, 1920. Collector: W. Beebe. Original number 446.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 466 mm.; tail vertebrae, 225; hind foot, 38. Skull: greatest length, 36.5; zygomatic breadth, 26.3; length of maxillary tooth row, 11.7.

Loncheres castaneus J. A. Allen and Chapman
Bull. Amer. Mus. Nat. Hist., vol. 5, art. 13, pp. 222–223, September 21, 1893.
= *Echimys armatus castaneus* (Allen and Chapman). According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, p. 180, October 20, 1939.

6001/4728. Skin and skull. Adult female. Princestown, Trinidad, West Indies. April 20, 1893. Collector: F. M. Chapman. Original number 634.
Skin in fair condition, lacking tail. Skull complete.
MEASUREMENTS: Skin: head and body, 245 mm.; hind foot, 40. Skull: greatest length, 55; zygomatic breadth, 25.8; length of maxillary tooth row, 11.2.

GENUS **DACTYLOMYS** GEOFFROY

Dactylomys boliviensis Anthony
Jour. Mammal., vol. 1, no. 2, pp. 83–84, figs. 1, 2, February, 1920.

38709. Skin and skull. Adult female. Mission San Antonio, Rio Chimore, Province of Cochabamba, Bolivia. Altitude, 1300 feet. August 18, 1915. Collectors: L. E. Miller and H. S. Boyle. Original number 2013.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 710 mm.; tail vertebrae, 410; hind foot, 60. Skull: greatest length, 74.1; zygomatic breadth, 34; length of maxillary tooth row, 17.7.

SUBGENUS **LACHNOMYS** THOMAS

Dactylomys peruanus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 13, art. 18, pp. 220–222, November 16, 1900.

16060. Skin and skull. Adult female. Juliaca, Peru. Altitude, 6000 feet. March 15, 1900. Collector: H. H. Keays. Original number 41.
Skin in good condition. Skull lacking basal portion of braincase and occipital region; dentition complete.
MEASUREMENTS: Skin: total length, 560 mm.; tail vertebrae, 320; hind foot, 51. Skull: zygomatic breadth, 32.4; length of maxillary tooth row, 17.

GENUS **THRINACODUS** GÜNTHER

Thrinacodus apolinari J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 33, art. 29, pp. 387–389, pl. 28, figs. 6–10, July 9, 1914.

36245. Skin and skull. Adult. Tomeque, Bogotá District, Colombia. Altitude, 6500 feet. March 7, 1914. Collector: Apolinar Maria. Original number 16.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin (dry): total length, 340 mm.; tail vertebrae, 260; Skull: greatest length, 57; zygomatic breadth, 26.6; length of maxillary tooth row, 14.2.

ORDER **CETACEA** BRISSON

FAMILY **ZIPHIIDAE** GRAY

GENUS **MESOPLODON** GERVAIS

Mesoplodon bowdoini Andrews
Bull. Amer. Mus. Nat. Hist., vol. 24, art. 13, pp. 203–215, figs. 1–5, pl. 13, February 26, 1908.

35027. Skeleton. New Brighton Beach, Canterbury Province, New Zealand. 1904. Purchased from Ward's Natural Science Establishment, Rochester, New York.
Skeleton in good condition, mounted and on exhibition in the Hall of Ocean Life.
MEASUREMENTS: Total length, 4222 mm.; length of skull, 715.

FAMILY **DELPHINIDAE** GRAY

GENUS **TURSIOPS** GERVAIS

Tursiops nuuanu Andrews
Bull. Amer. Mus. Nat. Hist., vol. 30, art. 9, pp. 233–236, pl. 10, August 26, 1911.

35045. Skull only. Adult. Pacific Ocean, latitude 12° N., longitude 120° W. December 6, 1906. Collector: J. T. Nichols. On the voyage of the "Nuuanu."
Skull and jaws complete except for seven teeth.

MEASUREMENTS: Approximate length of animal, 7 1/4 feet. Skull: greatest length, 482 mm.; greatest breadth, 238; length of upper tooth row, 215. mm.

FAMILY **PHOCAENIDAE** BRAVARD

GENUS **PHOCAENA** CUVIER

SUBGENUS **PHOCAENOIDES** ANDREWS

Phocaenoides truei Andrews
Bull. Amer. Mus. Nat. Hist., vol. 30, art. 4, pp. 32–51, figs. 1–3, pls. 1–2, May 16, 1911.
= *Phocaena dalli truei* (Andrews). According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 729, November 19, 1951.

31425. Skull and skeleton. Adult male. Aikawahama, Rikuzen Province, Japan. June 18, 1910. Collector: R. C. Andrews. Original number 32.
Skull and skeleton complete, bullae removed.
MEASUREMENTS: Total length of animal, 1915 mm. Skull: greatest length, 339; greatest breadth, 190; alveolar length of upper tooth row, 95.

ORDER **CARNIVORA** BOWDICH

FAMILY **CANIDAE** GRAY

GENUS **CANIS** LINNAEUS

Canis impavidus J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 19, art. 24, pp. 609–611, November 12, 1903.
= *Canis latrans impavidus* Allen. According to Nelson, Proc. Biol. Soc. Washington, vol. 45, p. 224, November 26, 1932.

21266. Skin and skull. Adult male. Rio Bocas, northwest Durango, Mexico. Altitude, 7000 feet. February 13, 1903. Collector: J. H. Batty. Original number 208.
Skin in good condition. Skull complete.
MEASUREMENTS: Skin: total length, 1143 mm.; tail vertebrae, 305; hind foot, 178. Skull: greatest length, 190; zygomatic breadth, 93; length of maxillary tooth row, 80.

GENUS **VULPES** FRISCH

Vulpes anadyrensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 19, art. 4, pp. 167–171, March 31, 1903.
= *Vulpes vulpes beringiana* Middendorf. According to Ognev, Mammals of eastern Europe and northern Asia, vol. 2, p. 340, 1931.

18239. Skin and skull. Adult male. Marcova, Anadyr Province, Siberia. December 10, 1900. Collector: N. G. Buxton. Jesup North Pacific Expedition. Original number 341.
Skin in fair condition. Skull complete except for upper right canine, last upper right molar; both bullae broken.
MEASUREMENTS: Skin: total length, 1065 mm.; tail vertebrae, 374; hind foot, 168. Skull: greatest length, 153; zygomatic breadth, 80; length of maxillary tooth row, 68.7.

GENUS **UROCYON** BAIRD

Urocyon virginianus scottii Mearns
Bull. Amer. Mus. Nat. Hist., vol. 3, no. 2, art. 17, pp. 236–238, June 5, 1891.
= *Urocyon cinereo-argenteus scottii* (Mearns). According to J. A. Allen, Bull. Amer. Mus. Nat. Hist., vol. 7, art. 6, p. 253, June 29, 1895.

1343/588. Skin and skull. Subadult male. Pinal County, Arizona. October 28, 1884. Collector: W. E. D. Scott.
Skin in fair condition. Skull broken in occipital region and lacking lower jaws.
MEASUREMENTS: Skin: not taken. Skull: greatest length, 117.5 mm.; zygomatic breadth, 58.2; length of maxillary tooth row, 48.

Urocyon cinereoargentea venezuelae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 30, art. 10, p. 259, December 2, 1911.

32074. Skin only. Collector's label bearing legend for skull lost. Adult male. Tocuyo, 175 miles southwest of Valencia, Venezuela. Altitude, about 2200 feet. January 17, 1911. Collector: M. A. Carriker, Jr. Original number 9038.
Skin in fair condition.
MEASUREMENTS: Skin: total length, 610 mm.; tail vertebrae, 370; hind foot, 105.

FAMILY **URSIDAE** GRAY

GENUS **EUARCTOS** GRAY

Ursus americanus kenaiensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 28, art. 1, p. 6, January 5, 1919. (Name preoccupied by *Ursus kenaiensis* Merriam, 1904.)

Ursus americanus perniger J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 28, art. 9, p. 115, April 30, 1910. (New name for *Ursus americanus kenaiensis* Allen.)

= *Euarctos americanus perniger* (Allen). According to Miller, Bull. U. S. Natl. Mus., no. 128, p. 91, March 18, 1924.

17790. Skull. Adult male. Mountains south of Chugachik Bay, opposite Homer, Kenai Peninsula, Alaska. 1901. Collector: A. J. Stone.

Skull complete.

MEASUREMENTS: Skull: greatest length, 253 mm.; zygomatic breadth, 143; length of maxillary tooth row, 92.5.

GENUS **URSUS** LINNAEUS

Ursus merriami J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 16, art. 13, pp. 141–143, pls. 30–31, April 12, 1902.

= *Ursus gyas* Merriam. According to Merriam, North Amer. Fauna, no. 41, p. 124, February 9, 1918.

17622. Skull. Adult male. Portage Bay, opposite Port Müller, Alaska Peninsula, Alaska. May, 1901. Collector: A. J. Stone.

Skull complete. Skin number 17621, referred to in the type description, not located.

MEASUREMENTS: Skin of 17621: total length, 3050 mm. Skull: greatest length, 395 mm.; zygomatic breadth, 209; length of maxillary tooth row, 140.

Ursus holzworthi Merriam

Proc. Biol. Soc. Washington, vol. 42, pp. 173–174, pls. 4–7, June 15, 1929.

100181. Skin (skull United States National Museum number 248691). Head of Black River above timber line, Talkeetna Mountains, Alaska. September 23, 1929 (according to Poole and Schantz the date should be September 21, 1928, but Holzworth in his published field notes fixes the exact date as September 23, 1928.). Collector: John M. Holzworth. Presented to the American Museum by George D. Pratt, January 14, 1932.

Skin in fair condition (originally mounted).

MEASUREMENTS: Skin[1] (green), stretched out flat, length, 9 feet; width, 7 feet. Skull: greatest length, 374 mm.; zygomatic breadth, 243 mm.; length of upper molariform tooth row, 79 mm.

[1] John Holzworth in his field notes gives the color as dark brown, with a scattering of gray-tipped hairs over the shoulders and along top of back.

Ursus andersoni Merriam

North Amer. Fauna, no. 41, pp. 83–84, February 9, 1918.

34402. Skull: Fully adult male. East Branch of Dease River,[2] near Great Bear Lake, Mackenzie District, Northwest Territories, Canada. May 12, 1911. Collector: R. M. Anderson. Original number 530.

Skull complete except for the first outer right lower incisor, a knife cut on the right malar bone, and broken canines; teeth well worn. There is no record of a skin.

MEASUREMENTS: Skull: basal length, 300 mm.; zygomatic breadth, 211; length of upper molar series, m^1-m^2, 62.

FAMILY **PROCYONIDAE** BONAPARTE

GENUS **PROCYON** STORR

SUBGENUS **EUPROCYON** GRAY

Procyon proteus J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 20, art. 28, pp. 333–334, October 8, 1904.

= *Euprocyon* [*Procyon*] *cancrivorus proteus* Allen. According to Goldman, Smithsonian Misc. Coll., vol. 60, no. 22, p. 15, February 28, 1913.

23492. Skin and skull. Adult male. Bonda, Santa Marta District, Colombia. July, 1899. Collector: H. H. Smith. Original number 1259.

Skin in good condition. Skull with right side of braincase and occipital region broken and lacking last lower right molar and first upper right premolar.

MEASUREMENTS: Skin: total length, 1041 mm.; tail vertebrae, 356; hind foot, 150. Skull: greatest length, 132; zygomatic breadth, 86; length of maxillary tooth row, 49.3.

Procyon (Euprocyon) aequatorialis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 34, art. 22, p. 630, December 30, 1915.

= *Procyon cancrivorus aequatorialis* Allen. (*Aequatorialis* is clearly a subspecies of *cancrivorus*.)

36458. Skin and skull. Adult male. Original label lost. Western Ecuador, probably near the coast in Manavi Province. June, 1913. Collector: W. B. Richardson.

Skin in fair condition. Skull complete except for lower jaws.

[2] Not to be confused with the Dease River in British Columbia.

MEASUREMENTS: Skin (dry): total length, 1070 mm.; tail vertebrae, 315; hind foot, 95. Skull: greatest length, 127; zygomatic breadth, 87; length of maxillary tooth row, 47.7.

GENUS **NASUA** STORR

Nasua narica bullata J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 4, pp. 48–51, figs. 10, 11, February 29, 1904.
= *Nasua narica narica* Linnaeus. According to Hershkovitz, Fieldiana: Zool., vol. 31, no. 47, p. 559, July 10, 1951.

19210. Skin and skull. Adult male. Pozo Azul, Pirris Province, Costa Rica. June 23, 1902. Collector: A. M. Carriker, Jr. Original number 678.
Skin in fair condition. Skull complete.
MEASUREMENTS: Skin: total length, 1119 mm.; tail vertebrae, 587; hind foot, 133. Skull: greatest length, 140; zygomatic breadth, 78; length of maxillary tooth row, 53.

Nasua narica pallida J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 4, pp. 53–54, February 29, 1904.
= *Nasua narica narica* Linnaeus. According to Burt and Hooper, Occas. Papers Mus. Zool. Univ. Michigan, no. 430, p. 3, May 27, 1941.

7125. Skin. Adult. Sierra Nevada (vicinity of Guadalupe y Calva), Chihuahua, Mexico. Collector: Carl Lumholtz.
Skin (hunter's pelt) in poor condition, without feet.
MEASUREMENTS: Skin: total length, 1100 mm.; length of tail, 495.

Nasua narica panamensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 4, pp. 51–52, fig. 12, February 29, 1904.
= *Nasua narica narica* Linnaeus. According to Hershkovitz, Fieldiana: Zool., vol. 31, no. 47, p. 559, July 10, 1951.

18901. Skin and skull. Adult female. Boqueron, Chiriqui, Panama. October 29, 1901. Collector: J. H. Batty. Original number 845.
Skin in fair condition. Skull complete.
MEASUREMENTS: Skin: total length, 1080 mm.; tail vertebrae, 540; hind foot, 85. Skull: greatest length, 121.8; zygomatic breadth, 60; length of maxillary tooth row, 48.

Nasua narica yucatanica J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 4, p. 52, February 29, 1904.
= *Nasua narica narica* Linnaeus. According to Burt and Hooper, Occas. Papers Mus. Zool. Univ. Michigan, no. 430, p. 3, May 27, 1941.

12037/10468. Skin and skull. Adult male. Chichen-Itza, Yucatan, Mexico. March 11, 1896. Collector: Frank M. Chapman.
Skin in fair condition. Skull complete but with molar teeth decayed.
MEASUREMENTS: Skin: total length, 1150 mm.; tail vertebrae, 550; hind foot, 100. Skull: greatest length, 130; zygomatic breadth, 76.8; length of maxillary tooth row, 48.7.

Nasua phaeocephala J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 28, pp. 334–335, October 8, 1904.

17557. Skin and skull. Adult female. Suapure, Caura District, Venezuela. September 14, 1901. Collector: S. M. Klages.
Skin in fair condition. Skull with nasals, right side of rostrum, and first upper premolars lacking; otherwise complete.
MEASUREMENTS: Skin: total length, 814 mm.; tail vertebrae, 319; hind foot (dry), 88. Skull: greatest length, 130.7; zygomatic breadth, 59.2; length of maxillary tooth row, 46.5.

Nasua candace dichromatica Tate
Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, pp. 200–201, October 20, 1939.

131166. Skull and part of skeleton. Subadult. Plateau of Mt. Auyantepui, Venezuela. Altitude about 6000 feet. January 23, 1938. Collector: J. A. Dillon. Phelps Venezuela Expedition. Original number 5560.
Skull complete but lacking full dentition; middle two upper incisors, right upper canine, both first upper premolars, first lower left premolar, and last lower right molar present.
MEASUREMENTS: Skull: greatest length, 100 mm.; zygomatic breadth, 47; length of maxillary tooth row, 39.

GENUS **NASUELLA** HOLLISTER

Nasua olivacea lagunetae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 29, pp. 483–484, September 25, 1913.
= *Nasuella olivacea* [*lagunetae* Allen]. According to Hollister, Proc. U. S. Natl. Mus., vol. 49, p. 148, August 13, 1915.

33045. Skin and skull. Adult male. La Guneta, west Quindio Andes, Cauca, Colombia. Altitude, 10,300 feet. September 10, 1911. Collectors: L. E. Miller and A. A. Allen. Original number 337.

Skin in good condition. Skull complete except for third upper left incisor.

MEASUREMENTS: Skin: total length, 676 mm.; tail vertebrae, 258; hind foot, 81. Skull: greatest length, 110; zygomatic breadth, 54.2; length of maxillary tooth row, 37.

GENUS **POTOS** CUVIER AND GEOFFROY

Potos flavus chiriquensis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 20, art. 4, pp. 74–75, February 29, 1904.

18926. Skin and skull. Adult male. Boqueron, Chiriqui, Panama. October 22, 1901. Collector: J. H. Batty. Original number 726.

Skin in good condition. Skull complete except for first upper premolar and last upper left molar.

MEASUREMENTS: Skin: total length, 990 mm.; tail vertebrae, 505; hind foot, 80. Skull: greatest length, 94; zygomatic breadth, 59; length of maxillary tooth row, 26.7.

Potos flavus caucensis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 20, art. 4, pp. 75–76, February 29, 1904.

14186. Skin and skull. Adult male. Castilla Mountains, Cauca region, Colombia. Altitude, 6000 feet. June 9, 1898. Collector: J. H. Batty. Batty Parish Expedition. Original number 219.

Skin in fair condition. Skull complete except for second upper right premolar and last upper right molar.

MEASUREMENTS: Skin: total length, 874 mm.; tail vertebrae, 444; hind foot, 79. Skull: greatest length, 100; zygomatic breadth, 60; length of maxillary tooth row, 25.

Potos flavus tolimensis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 32, art. 29, pp. 481–482, September 25, 1913.

32722. Skin. Adult. Giradot, Magdalena Valley, Tolima, Colombia. Altitude, 1500 feet. 1911. Collector: F. M. Chapman.

A flat skin without feet.

MEASUREMENTS: Skin: total length, 1085 mm.; tail vertebrae, 535.

Potos flavus chapadensis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 20, art. 4, pp. 76–77, February 29, 1904.

1412/353. Skin and skull. Adult, male? Chapada, Mato Grosso, Brazil. August, 1885. Collector: H. H. Smith. Original number 81.

Skin in fair condition. Skull complete except for first upper left premolar, upper second and third premolars, and last upper molar on right side.

MEASUREMENTS: Skin: total length, 1123 mm.; tail vertebrae, 551; hind foot, 76. Skull: greatest length, 93.5; zygomatic breadth, 59; length of maxillary tooth row, 25.5.

GENUS **BASSARICYON** ALLEN

Bassaricyon richardsoni J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 24, art. 34, pp. 662–668, text figs. 5, 7, 9, 11, October 13, 1908.

= *Bassaricyon gabbii richardsoni* Allen. According to Goodwin, Bull. Amer. Mus. Nat. Hist., vol. 87, p. 426, December 31, 1946.

28486. Skin and skull. Adult female. Rio Grande, Atlantic slope, Nicaragua. Altitude, less than 1000 feet. April 9, 1908. Collector: W. B. Richardson. Original number 265.

Skin in poor condition. Skull complete.

MEASUREMENTS: Skin: total length, 950 mm.; tail vertebrae, 480; hind foot, 80. Skull: greatest length, 84; zygomatic breadth, 53; length of maxillary tooth row, 28.

FAMILY **MUSTELIDAE** SWAINSON

GENUS **MUSTELA** LINNAEUS

Putorius longicauda spadix Bangs

Proc. Biol. Soc. Washington, vol. 10, p. 8, February 25, 1896.

= *Mustela frenata spadix* (Bangs). According to Hall, Carnegie Inst. Washington Publ., no. 473, p. 105, November 20, 1936.

3265/1786. Skin and skull. Adult male. Fort Snelling, Hennepin County, Minnesota. June 25, 1889. Collector: E. A. Mearns. Original number 812.

Skin in fairly good condition. Skull complete.

MEASUREMENTS: Skin: total length, 445 mm.; tail vertebrae, 160; hind foot, 55. Skull: greatest length, 50; zygomatic breadth, 29; length of maxillary tooth row, 15.4.

Putorius arizonensis Mearns

Bull. Amer. Mus. Nat. Hist., vol. 3, no. 2, art. 17, pp. 234–235, June 5, 1891.

= *Mustela frenata arizonensis* (Mearns). According to Hall, Carnegie Inst. Washington Publ., no. 473, p. 106, November 20, 1936.

2490/1886. Skin and skull. Adult female nursing. San Francisco Forest, Yavapai County, Arizona. June 20, 1886. Collector: E. A. Mearns. Original number 428.

Skin in faded condition, epidermis slipped on head. Skull lacking upper and lower incisors and first lower premolars.

MEASUREMENTS: Skin: total length, 302 mm.; tail vertebrae, 109; hind foot, 32. Skull: greatest length, 39; zygomatic breadth, 21.5; length of maxillary tooth row, 12.

Mustela frenata effera Hall

Carnegie Inst. Washington Publ., no. 473, pp. 93–94, 102, November 20, 1936.

33637. Skin and skull. Adult male. Ironside, Malheur County, Oregon. Altitude, 4000 feet. September 8, 1912. Collector: H. E. Anthony. Original number 267.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 361 mm.; tail vertebrae, 130; hind foot, 41. Skull: greatest length, 44.1; zygomatic breadth, 25.3; length of maxillary tooth row, 13.7.

Mustela frenata texensis Hall

Carnegie Inst. Washington Publ., no. 473, pp. 99–100, 103, November 20, 1936.

14821. Skin of head, neck, tail, and skull. Adult male. Kerr County, Texas. September 27, 1897. Collector: H. P. Attwater. Original number 16.

Head, skin, and tail in good condition. Skull complete.

MEASUREMENTS: Skull: greatest length, 60 mm.; zygomatic breadth, 35.1; length of maxillary tooth row, 17.

Mustela tropicalis nicaraguae J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 35, art. 12, pp. 100, 106, 108, April 28, 1916.

= *Mustela frenata nicaraguae* Allen. According to Hall, Carnegie Inst. Washington Publ., no. 473, p. 109, November 20, 1936.

30754. Skin and skull. Adult male. Matagalpa, Nicaragua. Altitude, 2000 feet. April 16, 1910. Collector: W. B. Richardson. Original number 712.

Skin in fair condition. Skull complete except for right zygomatic arch.

MEASUREMENTS: Skin: total length, 460 mm.; tail vertebrae, 180; hind foot, 50. Skull: greatest length, 49.5; length of maxillary tooth row, 15.2.

Mustela frenata boliviensis Hall

Proc. Biol. Soc. Washington, vol. 51, pp. 67–68, March 18, 1938.

72587. Skin and skull. Adult male. Nequejahuira, Bolivia. Altitude, 8000 feet. May 19, 1926. Collector: G. H. H. Tate. Original number 4135.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 383 mm.; tail vertebrae, 140; hind foot, 43. Skull: greatest length, 45.3; zygomatic breadth, 25; length of maxillary tooth row, 13.5.

Putorius microtis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 19, art. 21, pp. 563–564, October 10, 1903.

= *Mustela erminea richardsonii* Bonaparte. According to Hall, Jour. Mammal., vol. 26, no. 2, p. 180, May, 1945.

19964. Skin and skull. Adult male. Shesley, British Columbia, Canada. September 24, 1902. Collector: M. P. Anderson. A. J. Stone Expedition. Original number 836.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 295 mm.; tail vertebrae, 82; hind foot, 37. Skull: greatest length, 40; zygomatic breadth, 20.5; length of maxillary tooth row, 11.1.

Putorius (Arctogale) pygmaeus J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 19, art. 4, pp. 176–178, March 31, 1903.

= *Mustela rixosa pygmaea* Allen. According to Kuroda, Jour. Mammal., vol. 2, p. 209, November, 1921. Ellerman and Morrison-Scott list *pygmaea* as a subspecies of *nivalis* (1951).

18322. Skin and skull. Adult female. Gichiga, west coast of Okhotsk Sea, Siberia. October 2, 1900. Collector: N. G. Buxton. Jesup North Pacific Expedition. Original number 83.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 158 mm.; tail vertebrae, 16; hind foot, 21. Skull: greatest length, 28.5; zygomatic breadth, 13.5; length of maxillary tooth row, 7.5.

GENUS **EIRA** H. SMITH

Tayra barbara inserta J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 24, art. 34, p. 662, October 13, 1908.

= *Eira* [*barbara inserta* (Allen)]. According to

Hershkovitz, Jour. Mammal., vol. 30, p. 295, August, 1949.

28492. Skin and skull. Adult male. Uluce, Department of Matagalpa, Nicaragua. January 5, 1908. Collector: W. B. Richardson. Original number 169.

Skin in fair condition. Skull complete except for first upper right incisor, middle left, three right lower incisors, and last lower molar on right and left sides. The skull belonging to this skin was transposed with that of young male number 24890, which was used in the type description.

MEASUREMENTS: Skin (dry): total length, 1190 mm.; tail vertebrae, 440; hind foot, 107. Skull: condylobasal length, 110; zygomatic breadth, 69; length of maxillary tooth row, 33.7.

Tayra barbara irara J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 4, pp. 36–39, February 29, 1904.
= *Eira [barbara irara* (Allen)]. According to Hershkovitz, Jour. Mammal., vol. 30, p. 295, August, 1949.

15469. Skin and skull. Adult male. Bonda, Santa Marta District, Colombia. June 6, 1899. Collector: H. H. Smith. Jesup Santa Marta Expedition. Original number 520.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: (3′ 4″), 1016 mm.; tail vertebrae, (1′ 3″), 381; hind foot, (11″), 104. Skull: greatest length, 111; zygomatic breadth, 69.5; length of maxillary tooth row, 32.

Tayra barbara senilis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 29, p. 484, September 25, 1913.
= *Eira [barbara senilis* (Allen)]. According to Hershkovitz, Jour. Mammal., vol. 30, p. 295, August, 1949.

34269. Skin and skull. Adult female. Manavi, Rio de Oro, Ecuador. January 10, 1913. Collector: W. B. Richardson. Original number 114.

Skin in fair condition. Skull complete except for upper incisors and second lower premolar.

MEASUREMENTS: Skin: total length, 1100 mm.; tail vertebrae, 470; hind foot, 90. Skull: greatest length, 113; zygomatic breadth, 69.5; length of maxillary tooth row, 31.

GENUS **MELES** BRISSON

Meles melanogenys J. A. Allen and Andrews
Bull. Amer. Mus. Nat. Hist., vol. 32, art. 24, p. 433, September 2, 1913.
= *Meles meles melanogenys* Allen and Andrews. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 273, November 19, 1951.

33951. Skin. Musan, Korea. January 27, 1912. Collector: R. C. Andrews.

Flat skin in poor condition without feet and tail. Secured from natives. No skull.

MEASUREMENTS: Skin (dry): length of head and body, 715 mm.

GENUS **MELOGALE** GEOFFROY

SUBGENUS **HELICTIS** GRAY

Helictis taxilla sorella G. M. Allen
Amer. Mus. Novitates, no. 358, pp. 8–9, July 10, 1929.
= *Melogale* (?) *moschata sorella* Allen. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 271, November 19, 1951.

85030. Skin and skull. Adult male. Futsing, Fukien, China. February 21, 1926. Collector: C. H. Pope. Third Asiatic Expedition. Original number 469.

Skin in fair condition. Skull complete except for outer upper left incisors, first and second right and first left lower premolars.

MEASUREMENTS: Skin: total length, 470 mm.; tail vertebrae, 140; hind foot, 40. Skull: greatest length, 70.5; zygomatic breadth, 36.5; length of maxillary tooth row, 23.

GENUS **MEPHITIS** CUVIER

Mephitis occidentalis holzneri Mearns
Preliminary diagnoses of new mammals of the genera *Lynx*, *Urocyon*, *Spilogale*, and *Mephitis* from the Mexican boundary line, p. 4, January 12, 1897. (Proc. U. S. Natl. Mus. vol. 20, p. 461, December 24, 1897.)
= *Mephitis mephitis holzneri* Mearns. According to Hall, Carnegie Inst. Washington Publ., no. 473, p. 66, November 20, 1936.

8065/6422. Skin and skull. Adult male. San Isidro Ranch, Lower California, Mexico, near border of San Diego County, California. July 3, 1894. Collector: F. X. Holzner. Original number 1554.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 665 mm.; tail vertebrae, 273; hind foot, 72. Skull:

greatest length, 80.5; zygomatic breadth, 47.5; length of maxillary tooth row, 24.6.

GENUS **SPILOGALE** GRAY

Spilogale phenax arizonae Mearns
Bull. Amer. Mus. Nat. Hist., vol. 3, art. 19, pp. 256–258, June 5, 1891.
= *Spilogale gracilis gracilis* Merriam. According to Hall, Univ. Kansas Publ., vol. 5, no. 25, p. 330, December 5, 1952.

2480/1901. Skin and skull. Adult male. Near Fort Verde, Yavapai County, Arizona. March 13, 1886. Collector: Edgar A. Mearns. Original number 336.

Skin in fair condition. Skull complete except for last lower left molar.

MEASUREMENTS: Skin: total length, 445 mm.; tail vertebrae, 160; hind foot, 60. Skull: greatest length, 57.5; zygomatic breadth, 37; length of maxillary tooth row, 18.5.

GENUS **CONEPATUS** GRAY

Conepatus nicaraguae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 28, art. 9, p. 106, April 30, 1910.
= *Conepatus mesoleucus nicaraguae* Allen. According to Goodwin, Bull. Amer. Mus. Nat. Hist., vol. 87, art. 5, p. 437, December 31, 1946.

29282. Skin and skull. Adult male. San Rafael del Norte, Nicaragua. January 1, 1909. Collector: W. B. Richardson. Original number 404.

Skin in poor condition. Skull complete except for all lower incisors and all but two inner and outer left upper incisors.

MEASUREMENTS: Skin: total length, 690 mm.; tail vertebrae, 270; hind foot, 80. Skull: greatest length, 79; zygomatic breadth, 47; length of maxillary tooth row, 23.5.

GENUS **LUTRA** BRISSON

Lutra hudsonica sonora Rhoads
Trans. Amer. Phil. Soc., new ser., vol. 19, p. 431, September, 1898.
= *Lutra canadensis sonora* Rhoads. According to J. A. Allen, Bull. Amer. Mus. Nat. Hist., vol. 10, art. 18, p. 460, November 10, 1898.

3712/309. Skin and skull and skeleton. Adult female. Montezuma Well, Beaver Creek, Yavapai County, Arizona. December 26, 1886. Collector: E. A. Mearns. Mearns Collections. Taxidermy department number 113. Original number 475.

Skin in good condition. Skull complete except for left carnassial and the first two lower right premolars.

MEASUREMENTS: Skin: total length, 1300 mm.; tail vertebrae, 472; hind foot, 146. Skull: greatest length, 114; zygomatic breadth, 75; length of maxillary tooth row, 36.2.

Lutra latidens J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 24, art. 34, pp. 660–661, October 13, 1908.
= *Lutra annectens latidens* Allen. According to Pohle, Arch. Naturgesch., no. 9, div. A, p. 95 (1919), November, 1920.

28435. Skin and skull. Adult male. Lavala, Matagalpa, Nicaragua. October 28, 1907. Collector: W. B. Richardson. Original number 138.

Skin in fair condition. Skull badly crushed but restored, all teeth in place except first upper right incisor, first and third upper right premolars, and last lower right molar.

MEASUREMENTS: Skin: total length, 1280 mm.; tail vertebrae, 490. Skull: greatest length, 119+; zygomatic breadth, 76; length of maxillary tooth row, 37.5.

Lutra colombiana J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 35, pp. 452–454, November 28, 1904.
= *Lutra annectens colombiana* Allen. According to Pohle, Arch. Naturgesch., no. 9, div. A, p. 97 (1919), November, 1920.

15479. Skin and skull. Adult female. Bonda, Santa Marta District, Colombia. August 15, 1899. Collector: H. H. Smith. Morris K. Jesup Santa Marta Expedition. Original number 1096.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 979 mm.; tail vertebrae, 432; hind foot, 96. Skull: greatest length, 107; zygomatic breadth, 67; length of maxillary tooth row, 34.5.

FAMILY **VIVERRIDAE** GRAY

GENUS **OSBORNICTIS** J. A. ALLEN

Osbornictis piscivora J. A. Allen
Jour. Mammal., vol. 1, no. 1, pp. 25–26, November 28, 1919.

51514. Skin, skull, and skeleton. Adult male. Niapu, Belgian Congo. December 1, 1913. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 2147.

Skin in poor condition. Skull and skeleton complete.

MEASUREMENTS: Skin: total length, 910 mm.; tail vertebrae, 415; hind foot, 90. Skull: greatest length, 108.8; zygomatic breadth, 54.5; length of maxillary tooth row, 44.5.

GENUS **CIVETTICTIS** POCOCK

Civettictis civetta congica Cabrera

Mem. R. Soc. Española Hist. Nat., Madrid, vol. 16, p. 36, footnote, July 10, 1929. Based on the account of *C. c. orientalis* (Matschie) by J. A. Allen (not Matschie), Bull. Amer. Mus. Nat. Hist., vol. 47, art. 3, pp. 109–118, figs. 12–15, pls. 12, 13, April 11, 1924.

51811. Skin and skull. Adult male. Niapu, Belgian Congo. December 26, 1913. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 2351.

Skin in good condition. Skull complete except for a bullet hole through braincase.

MEASUREMENTS: Skin: total length, 1350 mm.; tail vertebrae, 505; hind foot, 140. Skull: greatest length, 154; zygomatic breadth, 79; length of maxillary tooth row, 61.

GENUS **PAGUMA** GRAY

Paradoxurus (Paguma) larvatus hainanus J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 26, art. 17, p. 240, April 17, 1909.

= *Paguma larvata hainana* Thomas. According to G. M. Allen, The mammals of China and Mongolia, Natural history of Central Asia, vol. 11, pt. 1, p. 439, September 2, 1938.

26599. Skin and skull. Adult female. Cheteriang, Island of Hainan, China. January 10, 1904. Purchased from Alan Owston of Yokohama and taken by his agents.

Skin in fair condition. Skull complete except for basi-occipital region.

MEASUREMENTS: Skin (dry): total length, 860 mm.; tail vertebrae, 380; hind foot, 63. Skull: greatest length, 107.5; zygomatic breadth, 58; length of maxillary tooth row, 36.2.

GENUS **ARCTICTIS** TEMMINCK

Arctitis[1] **whitei** J. A. Allen

[1] *Sic*, typographical error in type description; equals *Arctictis*.

Bull. Amer. Mus. Nat. Hist., vol. 28, art. 3, pp. 15–17, January 29, 1910.

29740. Skin and skull. Adult female. Iwahig, Palawan, Philippine Islands. Catalogued November 3, 1909. Collector: J. R. White.

Skin in fair condition. Skull cut off behind zygomatic arches, anterior portion complete except for first upper left premolar and both last upper molars.

MEASUREMENTS: Skin (dry): total length, 1310 mm.; tail vertebrae, 610; hind foot, 107. Skull: zygomatic breadth, 75; length of maxillary tooth row, 38.5.

GENUS **GALIDIA** GEOFFROY

Galidia elegans dambrensis Tate

Amer. Mus. Novitates, no. 1112, p. 1, May 19, 1941.

100487. Archbold Collections. Skin and skull. Adult male. Mt. d'Ambre, northern Madagascar. Altitude, 1000 meters. October 18, 1930. Collectors: A. L. Rand and P. A. Dumont. Original number 1090.

Skin in good condition. Skull complete except that three upper right incisors are broken.

MEASUREMENTS: Skin: total length, 570 mm.; tail vertebrae, 245; hind foot (s.u.), 67. Skull: greatest length, 65.6; zygomatic breadth, 37.5; length of upper tooth row, c–m^2, 21.5.

GENUS **HERPESTES** ILLIGER

Mungos rubrifrons J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 26, art. 17, pp. 240–242, April 17, 1909.

= *Herpestes rubrifrons* Allen. According to G. M. Allen, Amer. Mus. Novitates, no. 359, p. 9, July 15, 1929.

= *Herpestes auropunctatus rubrifrons* (Allen). According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 295, November 19, 1951.

27596. Skin and skull. Adult male. Notai [Mt. Wuchi], Island of Hainan, China. December 15, 1905. Purchased from Alan Owston of Yokohama, taken by his agents. Original number 45.

Skin in good condition. Skull broken in occipital region but otherwise complete.

MEASUREMENTS: Skin (dry): total length, 550 mm.; tail vertebrae, 215; hind foot, 65. Skull: greatest length, 68; zygomatic breadth, 31; length of maxillary tooth row, 26.

Mungos palawanus J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 28, art. 3, p. 17, January 29, 1910.

= *Herpestes palawanus* (Allen). This species clearly belongs in the genus *Herpestes*. *Mungos* is restricted to the striped mongoose of Africa.

29744. Skin. Adult male. Iwahig, Palawan Island, Philippine Islands. Catalogued November 3, 1909. Collector: J. R. White.

Skin in rather poor condition. Skull not saved.

MEASUREMENTS: Skin (dry): total length, 585 mm.; tail vertebrae, 190; hind foot, 56.

GENUS **DOLOGALE** THOMAS

Helogale hirtula robusta J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 47, art. 3, pp. 183–186, figs. 44d, 47, 48, pl. 24, April 11, 1924.

= *Dologale dybowskii* (Pousargues). According to G. M. Allen, Bull. Mus. Comp. Zool., vol. 83, p. 210, February, 1939.

51104. Skin and skull. Adult male. Faradje, Belgian Congo. March 9, 1911. Collectors: H. Lang and J. P. Chapin, American Museum Congo Expedition. Original number 1485.

Skin in good condition. Skull complete, left side of mandible broken but repaired.

MEASUREMENTS: Skin: total length, 460 mm.; tail vertebrae, 209; hind foot, 59. Skull: greatest length, 57.5; zygomatic breadth, 28.5; length of maxillary tooth row, 19.

GENUS **ATILAX** CUVIER

Atilax macrodon J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 47, art. 3, pp. 205–211, figs. 61c–d, 62–64, pl. 28, fig. 2, pl. 29, April 11, 1924.

= *Atilax paludinosus macrodon* Allen. According to G. M. Allen, Bull. Mus. Comp. Zool., vol. 83, p. 206, February, 1939.

51629. Skin and skull. Adult male. Niapu, Belgian Congo. December 15, 1913. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 2294.

Skin in fairly good condition. Skull complete.

MEASUREMENTS: Skin: total length, 855 mm.; tail vertebrae, 330; hind foot, 112. Skull: greatest length, 121; zygomatic breadth, 59.5; length of maxillary tooth row, 41.5.

GENUS **XENOGALE** J. A. ALLEN

Xenogale microdon J. A. Allen

Jour. Mammal., vol. 1, no. 1, p. 27, November 28, 1919.

51625. Skin and skull. Adult male. Akenge, Belgian Congo. December 4, 1913. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 2194.

Skin in good condition. Skull complete except for first upper left premolar and second left lower incisor.

MEASUREMENTS: Skin: total length, 895 mm.; tail vertebrae, 385; hind foot, 105. Skull: greatest length, 111; zygomatic breadth, 59; length of maxillary tooth row, 38.

FAMILY **HYAENIDAE** GRAY

GENUS **CROCUTA** KAUP

Crocuta crocuta fortis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 47, art. 3, pp. 214–220, pls. 32–34, pl. 35, figs. 1, 3, pl. 36, fig. 1, April 11, 1924.

52068. Skin and skull. Adult female. Faradje, northeastern Belgian Congo. February 5, 1913. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 1222.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 1610 mm.; tail vertebrae, 310; hind foot, 250. Skull: greatest length, 291; zygomatic breadth, 191; length of maxillary tooth row, 101.

FAMILY **FELIDAE** GRAY

GENUS **LYNX** KERR

Lynx ruffus[1] **escuinapae** J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 19, art. 25, pp. 614–615, November 14, 1903.

14326. Skin and skull. Adult female. Escuinapa, Sinaloa, Mexico. December 24, 1895. Collector: J. H. Batty.

Skin in fair condition. Skull complete except for nasals.

MEASUREMENTS: Skin (dry): total length, 805 mm.; tail vertebrae, 115; hind foot, 160. Skull: greatest length, 115; zygomatic breadth, 78; length of maxillary tooth row, 38.3.

[1] *Sic*, typographical error in type description; equals *rufus*.

GENUS **FELIS** LINNAEUS

SUBGENUS **LEPTAILURUS** SEVERTZOV

Leptailurus serval faradjius J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 47, art. 3, pp. 267–268, pls. 65–70, pl. 74, fig. 1, April 11, 1924.
= *Felis serval faradjia* (Allen). According to G. M. Allen, Bull. Mus. Comp. Zool., vol. 83, p. 240, February, 1939.

51990. Skin and skull. Adult male. Faradje, northeastern Belgian Congo. November 26, 1912. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 1170.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 1102 mm.; tail vertebrae, 265; hind foot, 180. Skull: greatest length, 119.5; zygomatic breadth, 81.2; length of maxillary tooth row, 37.6.

SUBGENUS **LEOPARDUS** GRAY

Oncoides pardalis tumatumari J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 34, art. 22, p. 632, December 30, 1915.
= *F[elis] p[ardalis] tumatumari* (Allen). According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, p. 206, October 20, 1939.

36318. Skin and skull. Adult male. Tumatumari, British Guiana. August 8, 1913. Collector: L. E. Miller. Original number 121.

Skin in fair condition, epidermis slipped on hind limbs. Skull complete except for both upper molars, second upper right incisors, and all but one lower right incisor.

MEASUREMENTS: Skin: total length, 1230 mm.; tail vertebrae, 325; hind foot, 130. Skull: greatest length, 153; zygomatic breadth, 99; length of maxillary tooth row, 45.8.

Felis maripensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 28, pp. 331–332, October 8, 1904.
= *F[elis] p[ardalis] maripensis* Allen. According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, p. 206, October 20, 1939.

21308. Skin and skull. Adult male. Maripa, Caura, Venezuela. December 7, 1901. Collector: S. M. Klages. Original number 290.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin (dry): total length, 1285 mm.; tail vertebrae, 350. Skull: greatest length, 144; zygomatic breadth, 90; length of maxillary tooth row, 43.3.

Felis sanctaemartae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 28, pp. 332–333, October 8, 1904.
= *Leopardus [Felis] pardalis sanctaemartae* Allen. According to Allen, Bull. Amer. Mus. Nat. Hist., vol. 41, art. 7, p. 347, October 3, 1919.

14857. Skin, skull, and leg bones. Adult male. Bonda, Santa Marta district. Colombia. March 25, 1899. Collector: H. H. Smith. Jesup Santa Marta Expedition. Original number 330.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 927 mm.; tail vertebrae, 356; hind foot, 138. Skull: greatest length, 118.5; zygomatic breadth, 76; length of maxillary tooth row, 36.

SUBGENUS **NOCTIFELIS** SEVERTZOV

Margay glaucula nicaraguae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 41, art. 7, pp. 357–358, October 3, 1919.
= *Felis wiedii nicaraguae* (Allen). According to Goldman, Jour. Mammal., vol. 24, no. 3, p. 381, August 17, 1943.

28957. Skin and skull. Adult male. Volcan de Chinandogo, Nicaragua. August 20, 1908. Collector: W. B. Richardson. Original number 305.

Skin in good condition, a bare spot on shoulder. Skull complete except for right parietal bone.

MEASUREMENTS: Skin: total length, 1260 mm.; tail vertebrae, 510; hind foot, 116. Skull: greatest length, 107.8; zygomatic breadth, 72.2; length of maxillary tooth row, 32.

SUBGENUS **ONCILLA** ALLEN

Felis carrikeri J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 4, pp. 47–48, February 29, 1904.
= *Oncilla [Felis] pardinoides oncilla* (Thomas). According to J. A. Allen, Bull. Amer. Mus. Nat. Hist., vol. 41, art. 7, p. 359, October 3, 1919.

19211. Skin and skull. Adult female. Pozo Azul, Pirris Province, Costa Rica. May 14, 1902. Collector: A. M. Carriker, Jr.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 970 mm.; tail vertebrae, 276; hind foot, 101. Skull: greatest length, 85.5; zygomatic

breadth, 55; length of maxillary tooth row, 25.

Margay tigrina elenae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 34, art. 22, p. 631, December 30, 1915.
= *Oncilla [Felis] pardinoides elenae* (Allen). According to Allen, Bull. Amer. Mus. Nat. Hist., vol. 41, art. 7, p. 360, October 3, 1919.

37788. Skin and skull. Adult male. Santa Elena, Antioquia, Colombia. Altitude, 9000 feet. January 11, 1915. Collectors: L. E. Miller and H. S. Boyle. Original number 1641.

Skin in fair condition. Skull complete except for interparietal bone and broken bulla.

MEASUREMENTS: Skin (dry): total length, 800 mm.; tail vertebrae, 260; hind foot, 90. Skull: greatest length, 86.3; zygomatic breadth, 58; length of maxillary tooth row, 25.

Margay caucensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 34, art. 22, pp. 631–632, December 30, 1915.
= *Felis pardinoides caucensis* (Allen). *Caucensis* is a subspecies of *Felis pardinoides*.

14187. Skin and skull. Adult male. Las Pavas, near San Antonio, upper Rio Cauca, Colombia. Altitude, 6000 feet. Collector: J. H. Batty. Batty Parish Expedition. Original number 548.

Skin in fair condition. Skull lacking all postorbital region and mandible.

MEASUREMENTS: Skin: (dry): 760 mm.; tail vertebrae, 300; hind foot, 95. Skull: length of maxillary tooth row, 25.

SUBGENUS **LYNCHAILURUS** SEVERTZOV

Felis braccata Cope
Amer. Nat. vol. 23, no. 266, pp. 144–146, February 1889.
= *Lynchailurus [Felis] pajeros braccatus* Cope. According to J. A. Allen, Bull. Amer. Mus. Nat. Hist., vol. 41, art. 7, p. 376, October 3, 1919.

354. Skull. Adult male. Chapada, Mato Grosso, Brazil. November 1884. Collector: H. H. Smith. Smith Collections. Original number 341.

Skin number 4724 mounted and in the Academy of Natural Sciences of Philadelphia. Skull complete except for first upper right premolar, upper left carnassial and upper left molar, lower incisors, and left lower canine.

MEASUREMENTS: Skull: greatest length, 94 mm.; zygomatic breadth, 62; length of maxillary tooth row, 28.5. Skin (relaxed): total length, 697 mm.; tail vertebrae, 230; hind limb (approximate), 195.

SUBGENUS **HERPAILURUS** SEVERTZOV

Felis panamensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 20, art. 4, pp. 71–72, February 29, 1904.
= *Felis yaguarondi panamensis* Allen. According to Goodwin, Bull. Amer. Mus. Nat. Hist., vol. 87, p. 443, December 31, 1946.

18946 (not 14946 as in type description). Skin and skull. Subadult female. Boqueron, Chiriqui, Panama. October 30, 1901. Collector: J. H. Batty. Original number 898.

Skin in good condition. Skull lacking mandible, upper canine, and two outer incisors on right side; bullae broken.

MEASUREMENTS: Skin: total length, 985 mm.; tail vertebrae, 390; hind foot (dry), 128. Skull: greatest length, 95.5; zygomatic breadth, 62; length of maxillary tooth row, 30.

SUBGENUS **PUMA** JARDINE

Felis concolor anthonyi Nelson and Goldman
Jour. Washington Acad. Sci., vol. 21, no. 10, pp. 210–211, May 19, 1931.

76935. Skin and skull. Adult male. Playa del Rio Base, Mt. Duida, Territory of Amazonas, southern Venezuela. November 22, 1928. Collectors: Olalla brothers. Original number 133.

Skin in fair condition. Skull complete except for dentition which lacks inner upper right incisor, first upper right premolar, upper left molar, and all lower incisors but the outer right. The lower right canine is broken.

MEASUREMENTS: Skin: total length, 1720 mm.; tail vertebrae, 725; hind foot, 245. Skull: greatest length, 205; zygomatic breadth, 143.5; length of maxillary tooth row, 62.5.

SUBGENUS **PANTHERA** OKEN

Panthera pardus iturensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 47, art. 3, p. 259, April 11, 1924.
= *Felis pardus iturensis* (Allen). According to G. M. Allen, Bull. Mus. Comp. Zool., vol. 83, p. 246, February, 1939.

52025. Skin and skull. Adult male. Niapu, Belgian Congo. November 24, 1913. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 2049.

Skin in good condition. Skull complete except for both front upper premolars; right upper canine split.

MEASUREMENTS: Skin: total length, 2120 mm.; tail vertebrae, 835; hind foot, 245. Skull: greatest length, 255; zygomatic breadth, 158; length of maxillary tooth row, 82.5.

Leo leo azandicus J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 47, art. 3, pp. 224–226, pls. 37–40, April 11, 1924.

= *Felis leo azandicus* (Allen). According to G. M. Allen, Bull. Mus. Comp. Zool., vol. 83, p. 243, February, 1939.

52084. Skin and skull. Adult male. Vankerckhovenville, northeastern Belgian Congo. April 18, 1912. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 1061.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 2860 mm.; tail vertebrae, 1030; hind foot, 400. Skull: greatest length, 375; zygomatic breadth, 245; length of maxillary tooth row, 121.

Leo leo vernayi Roberts

Ann. Transvaal Mus., vol. 21, pt. 1, pp. 65–69, April 6, 1948.

= *Felis leo vernayi* (Roberts). *Felis* is used here in preference to *Leo*.

83616. Skull. Adult male. Matapa Pan, central Kalahari Desert, South Africa. 1930. Collector: H. Lang. Vernay Lang Kalahari Expedition. Original number 47. Roland Ward's number 8921.

Skull damaged by bullet over right eye and left side of braincase, but repaired, lacking mandible. Skin not located.

MEASUREMENTS: Skull: condylobasal length, 320 mm.; zygomatic breadth, 248; length of maxillary tooth row, c–p^4, left, 109.5; right, 110.8. What appears to be a native prepared skin, erroneously associated with the type skull by Rowland Ward, has the field number 440, a Ward's number 9812, a black mane, and, according to a pencil note by J. E. Hill in catalogue, came from Kavimba.

Felis onca ucayalae Nelson and Goldman

Jour. Mammal., vol. 14, no. 3, pp. 230–232, August, 1933.

= *Panthera* [*Felis*] *onca onca* Linnaeus. According to Pocock, Novitates Zool., vol. 41, p. 410, October, 1939.

76451. Skin and skull. Adult male. Sarayacu, Rio Ucayali, Peru. May 1, 1927. Collectors: Olalla brothers.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin (tanned): total length, 1982 mm.; tail vertebrae, 523; hind foot, 250. Skull: greatest length, 274; zygomatic breadth, 173.8; length of maxillary tooth row, 83.

Felis onca madeirae Nelson and Goldman

Jour. Mammal., vol. 14, no. 3, pp. 232–234, August, 1933.

= *Panthera* [*Felis*] *onca onca* Linnaeus. According to Pocock, Novitates Zool., vol. 41, p. 410, October, 1939.

91702. Skin and skull. Adult female. Auará Igarapé (above Borba), Rio Madeira, Amazonas, Brazil. March 15, 1930. Collectors: Olalla brothers. Original number 1991.

Skin in good condition. Skull complete except for upper right incisor and posterior part of left side of mandible.

MEASUREMENTS: Skin (tanned): total length, 1610 mm.; tail vertebrae, 465; hind foot, 200. Skull: greatest length, 224; zygomatic breadth, 150.5; length of maxillary tooth row, 71.5.

ORDER **PINNIPEDIA** ILLIGER

FAMILY **PHOCIDAE** GRAY

GENUS **PHOCA** LINNAEUS

Phoca (Pusa) hispida gichigensis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 16, art. 34, pp. 478–480, December 12, 1902.

= *Phoca* (*Pusa*) *hispida ochotensis* Pallas. According to Ognev, Mammals of U.S.S.R. and adjacent countries, vol. 3, p. 588, 1935.

18273/18276. Skin and skull. Semi-adult female. Gichiga, Okhotsk Sea, Siberia. October 12, 1900. Collector: N. G. Buxton. Jesup North Pacific Expedition. Original number (skull) 263. Skin erroneously catalogued as taken August, 1901, at mouth of Anadyr River.

Skin in poor condition. Skull lacking lower jaws.

MEASUREMENTS: Skin (dry): 730 mm.; tail vertebrae, 55.5; hind foot, 176. Skull: greatest length, 139.5; zygomatic breadth, 86.3; length of maxillary tooth row, 37.

ORDER **TUBULIDENTATA** HUXLEY

FAMILY **ORYCTEROPODIDAE** BONAPARTE

GENUS **ORYCTEROPUS** GEOFFROY

Orycteropus erikssoni faradjius Hatt

Amer. Mus. Novitates, no. 535, pp. 1–2, June 6, 1932.

= *Orycteropus afer faradjius* Hatt. According to G. M. Allen, Bull. Mus. Comp. Zool., vol. 83, p. 271, February, 1939.

51373. Skin and skull and skeleton. Adult male. Faradje, Haut-Uele, Belgian Congo. January 14, 1913. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number 1200.

Skin in fair condition. Skull and skeleton complete.

MEASUREMENTS: Skin: total length, 1760 mm.; tail vertebrae, 610; hind foot, 270. Skull: greatest length, 253; zygomatic breadth, 98; length of maxillary tooth row, 59.

ORDER **PROBOSCIDEA** ILLIGER

FAMILY **ELEPHANTIDAE** GRAY

GENUS **LOXODONTA** CUVIER

Elephas africanus pumilio Noack

Zool. Anz., vol. 29, p. 631, January 8, 1906.

= *Loxodonta cyclotis* (Matschie). According to G. M. Allen, Bull. Mus. Comp. Zool., vol. 83, p. 454, February, 1939.

35591. Skull and skeleton. Young male. French Congo, Equatorial Africa (park specimen). November 3, 1915. New York Zoological Society.

Skull complete except for right malar bone, tusks not located.

MEASUREMENTS: Skull: greatest length, 635 mm.; zygomatic breadth, 500; length of upper tooth row, 125.5.

Elephas africanus rothschildi Lydekker

Proc. Zool. Soc. London, vol. 1, p. 399, fig. 119 (head of "Jumbo" from life), August, 1907.

= *Loxodonta africana oxyotis* (Matschie). According to Osborn, Proboscidea, vol. 2, p. 1194, 1942.

3283. Skeleton. Male, 24 years old. Skin at Tufts College, Medford, Massachusetts. Lydekker took for his type the statuette of "Jumbo" in the British Museum. Taken as a calf in 1861 in some part of the French Sudan, probably to the south of Lake Chad. Also recorded as from Setit River, northwestern Abyssinia.

Skeleton mounted, in good condition and complete except for tusks. Skin mounted.

ORDER **HYRACOIDEA** HUXLEY

FAMILY **PROCAVIIDAE** THOMAS

GENUS **HETEROHYRAX** GRAY

Procavia chapini Hatt

Amer. Mus. Novitates, no. 594, pp. 1–3, January 26, 1933.

= *Heterohyrax chapini* (Hatt). According to Hatt, Bull. Amer. Mus. Nat. Hist., vol. 72, art. 4, p. 132, August 28, 1936.

53800. Skin and skeleton. Adult female. Summit of Loadi Hill, 5 kilometers southwest of Matadi, Lower Congo district, Belgian Congo. December 27, 1914. Collectors: H. Lang and J. P. Chapin. American Museum Congo Expedition. Original number, 2539.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 522 mm.; tail vertebrae, 12; hind foot, 68; Skull: greatest length, 95.5; zygomatic breadth, 51; length of maxillary tooth row, 32.

ORDER **PERISSODACTYLA** OWEN

FAMILY **TAPIRIDAE** BURNETT

GENUS **TAPIRUS** BRISSON

Tapirus terrestris guianiae J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 35, art. 30, pp. 566–567, August 9, 1916.

36198. Skull. Adult. Tumatumari, British Guiana. Received July 8, 1913. Collector: L. E. Miller. Original number 104.

Skull complete except dentition, lacking all canines except lower right and all incisors except two upper middle and first lower left.

MEASUREMENTS: Skull: greatest length, 415 mm.; zygomatic breadth, 194; length of upper molar series, 147.

ORDER **ARTIODACTYLA** OWEN

FAMILY **TAYASSUIDAE** PALMER

GENUS **TAGASSU**[1] FRISCH

Pecari tajacu macrocephalus Anthony
Amer. Mus. Novitates, no. 19, pp. 3–4, October 26, 1921.
= [*Tagassu tajacu*] *macrocephalus* (Anthony). According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, p. 223, October 20, 1939.

48366. Skin and skull. Adult female. Kartabo, British Guiana. August 26, 1920. Collector: William Beebe. Original number 513.

Skin in fair condition. Skull complete except for the two outer incisors on right side.

MEASUREMENTS: Skin: total length, 948 mm.; hind foot, 195. Skull: greatest length, 250; zygomatic breadth, 105; length of upper premolar-molar series, 63.

Tayassu pecari beebei Anthony
Amer. Mus. Novitates, no. 19, pp. 1–2, October 26, 1921.
= *T[agassu] p[ecari] beebei* (Anthony). According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, p. 223, October 20, 1939.

42408. Skin and skull. Adult female. Kartabo, British Guiana, June 11, 1919. Collector: William Beebe. Original number 77.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 1090 mm.; tail vertebrae, 60; hind foot, 224. Skull: greatest length, 293, zygomatic breadth, 121; length of upper premolar-molar series, 85.

Tayassu niger J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 32, p. 476, September 25, 1913.
= *Tagassu niger* (Allen).

33249. Skin and skull. Adult male. Esmeraldos, Ecuador. November 4, 1912. Collector: W. B. Richardson. Original number 88.

Skin in fair condition, lacking most of hair on face and sides of body. Skull imperfect, upper side of cranium crushed, lacking right zygoma, upper right canine, all upper incisors, first lower left incisor, and first and second lower right incisors.

MEASUREMENTS: Skin (tanned): length of head and body, 1080 mm.; hind foot, 200. Skull: greatest length, 221.9 mm.; zygomatic breadth, 104; length of upper premolar-molar tooth row, 65.8.

[1] For use of *Tagassu* in place of *Tayassu*, see Tate, Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, p. 223, October 20, 1939.

FAMILY **CERVIDAE** GRAY

GENUS **MUNTIACUS** RAFINESQUE

Muntiacus muntjak nigripes G. M. Allen
Amer. Mus. Novitates, no. 430, pp. 11–12, September 18, 1930.

60082. Skin and skull. Adult male. Nodoa, Island of Hainan, China. December 29, 1929. Collector: Clifford H. Pope. Third Central Asiatic Expedition. Original number 268.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin (tanned): total length, 1175 mm.; tail vertebrae, 85; hind foot, 235. Skull: condylobasal length, 181; zygomatic breadth, 86.5; length of upper cheek teeth, 61.

GENUS **ODOCOILEUS** RAFINESQUE

Odocoileus battyi J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 19, art. 24, pp. 591–594, November 12, 1903.
= *Odocoileus virginianus battyi* Allen. *Odocoileus battyi* differs only subspecifically from *O. virginianus*.

21277. Skin and skull. Adult male. Rancho Santuario, northwest Durango, Mexico. March 10, 1903. Collector: J. H. Batty. Original number 315.

Skin in poor condition, without feet. Skull complete except for broken ramus on left side of mandible.

MEASUREMENTS: Skin: total length, 1574 mm.; tail vertebrae, 216. Skull: greatest length, 248; zygomatic breadth, 115; length of upper premolar-molar series, 69.5.

Odocoileus sinaloae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 19, art. 25, pp. 613–614, November 14, 1903.
= *Odocoileus virginianus sinaloae* Allen. According to Hall and Villa, Univ. Kansas Publ., Mus. Nat. Hist., vol. 1, no. 22, p. 470, December 27, 1949.

14334. Skin and skull. Young male, second year. Escuinapa, southern Sinaloa, Mexico. December 15, 1895. Skull dated December 11, 1895. Collector: J. H. Batty.

Skin in good condition. Skull complete, last molar non-functional.

MEASUREMENTS: Skin (tanned): total length, 1435 mm.; tail vertebrae, 175; hind foot, 340. Skull: greatest length, 226; zygomatic breadth, 92; length of premolar-molar series, 68.

Odocoileus rothschildi chiriquensis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 28, art. 9, p. 95, April 30, 1910.
= *Odocoileus virginianus chiriquensis* Allen. According to Goodwin, Bull. Amer. Mus. Nat. Hist., vol. 57, p. 497, December 31, 1946.

18957. Skin and skull. Adult female, last molars not in place. Boqueron, Chiriqui, Panama. December 4, 1901. Collector: J. H. Batty. Original number, 1084.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin (tanned): total length, 1300 mm.; tail vertebrae, 95; hind foot, 325. Skull: greatest length, 208; zygomatic breadth, 82; length of upper premolar-molar series, 70.5.

GENUS **MAZAMA** RAFINESQUE

Mazama trinitatis J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 34, art. 18, p. 532, November 2, 1915.

7545/5939. Skin and skull. Adult female. Caparo, Trinidad, West Indies. March 13, 1894. Collector: F. M. Chapman. Original number 684.

Skin in fair condition. Skull complete except for broken left zygomatic arch.

MEASUREMENTS: Skin: total length, 1118 mm.; tail vertebrae, 127. Skull: greatest length, 210; length of upper premolar molar series, 63.

Mazama americana tumatumari J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 34, art. 18, pp. 536–537, November 2, 1915.
= *Mazama* [*americana*] *americana* Erxleben. According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, pp. 226–227, October 20, 1939.

36349 (not 36350 as in type description).[1] Skin and skull. Adult male (not female as in type description). Tumatumari, British Guiana. August 8, 1913. Collector: L. E. Miller. Original number 122.

Skin in poor condition. Skull complete except for first lower left premolar and first lower right incisor.

MEASUREMENTS: Skin: total length, 1190 mm.; tail vertebrae, 155; hind foot, 390. Skull: greatest length, 209; zygomatic breadth, 91.8; length of premolar-molar series, 65.7.

[1] The number of this type skin was changed from 36349 to 36350 which was the number originally given to a skull of a female *Odocoileus gymnotis*. The type skin is unquestionably that of a male and bears a metal tag numbered 36349.

Mazama americana juruana J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 34, art. 18, pp. 537–538, November 2, 1915.
= *Mazama* [*americana*] *americana* (Erxleben). According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, p. 226, October 20, 1939.

30624. Skin and skull. Adult female. Rio Juruan, near Guiana boundary, Venezuela. March 21, 1910. Collector: M. A. Carriker, Jr.

Skin in poor condition. Skull complete, cracked across braincase, right side of mandible broken.

MEASUREMENTS: Skin: total length, 1140 mm.; tail vertebrae, 154. Skull: greatest length, 228; zygomatic breadth, 100; length of upper premolar-molar series, 62.

Mazama gualea J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 34, art. 18, p. 545, November 2, 1915.
= [*Mazama*] *fuscata* Allen. According to Tate, Bull. Amer. Mus. Nat. Hist., vol. 76, art. 5, p. 226, October 20, 1939.

36473. Skin and skull. Old female. Gualea, Ecuador. Altitude, 6000 feet. June 2, 1913. Collector: W. B. Richardson. Original number 173.

Skin in fair condition. Skull complete.

MEASUREMENTS: Skin: total length, 1050 mm.; tail vertebrae, 50; hind foot, 290. Skull: total length, 195; zygomatic breadth, 86.5; length of upper premolar-molar series, 58.

Mazama fuscata J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 34, art. 18, pp. 545–546, November 2, 1915.

34267. Skin and skulls. Adult male. Rio de Oro, Manavi, Ecuador. Altitude, near sea level. January, 1913. Collector: W. B. Richardson. Original number 125.

Skin in fair condition. Skull with nasals broken and lacking lower incisors.

MEASUREMENTS: Skin (tanned): total length, 1380 mm.; tail vertebrae, 80; hind foot, 320. Skull: total length, 210; zygomatic breadth, 96; length of upper premolar-molar series, 65.

Mazama zamora J. A. Allen
Bull. Amer. Nat. Hist., vol. 34, art. 18, pp. 546–547, November 2, 1915.

36581. Skin and skull. Adult female. Zamora, southeastern Ecuador. Altitude, 2000 feet. October 22, 1913. Collector: W. B. Richardson.

Skin in good condition. Skull complete except for three outer lower right incisors.

MEASUREMENTS: Skin: total length, 1370 mm.; tail vertebrae, 80. Skull: greatest length, 204; zygomatic breadth, 87; length of upper premolar-molar series, 65.5.

Mazama cita sanctaemartae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 34, art. 18, pp. 550–551, November 2, 1915.

14640. Skin and skull. Adult male. Near Bonda, Santa Marta, Colombia. December 20, 1898. Collector: H. H. Smith. Jesup Santa Marta Expedition. Original number 176.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin (tanned): total length, 1117 mm.; tail vertebrae, 70; hind foot, 290. Skull: greatest length, 183; zygomatic breadth, 79; length of premolar-molar series, 59.8.

Mazama murelia J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 34, art. 18, pp. 547–548, November 2, 1915.
= *Mazama nemorivaga* (Cuvier). According to Tate, Bull. Amer. Mus. Nat. Hist. vol. 76, art. 5, p. 227, October 20, 1939.

33906. Skin and skull. Juvenal female. La Murelia (Rio Bodoquera), Caquetá, Colombia. Altitude, 600 feet. July 13, 1912. Collector: L. E. Miller. Original number 894.

Skin in poor condition. Skull complete.

MEASUREMENTS: Skin: total length, 980 mm.; tail vertebrae, 100; hind foot, 250. Skull: greatest length, 174; zygomatic breadth, 74; length of upper premolar-molar series, 54.

GENUS **RANGIFER** FRISCH

Rangifer osborni J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 16, art. 15, pp. 149–156, fig. 1, April 16, 1902.
= *Rangifer arcticus osborni* Allen. According to Murie, North Amer. Fauna, no. 54, p. 81, June, 1935.

15714. Skin and skull. Adult male. Cassiar Mountains, British Columbia, Canada. September, 1897. Collector: A. J. Stone. James M. Constable Expedition. Original number 6.

Skin originally mounted and destroyed. Skull lacking premaxillae, upper molars, and mandible.

MEASUREMENTS: Skin: total length, 2210 mm.; tail vertebrae, 152.4; hind foot, 635. Skull: basal length, 420; zygomatic breadth, 148; length of maxillary tooth row, 99; length of main beam of antler, 1235.

Rangifer granti J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 16, art. 10, pp. 122–127, March 31, 1902.
= *Rangifer arcticus granti* Allen. According to Murie, North Amer. Fauna, no. 54, p. 80, June, 1935.

17593. Skin and skull. Adult male. Alaskan Peninsula, western end opposite Popoff Island, Alaska. October 29, 1901. Collector: A. J. Stone. Original number 190.

Skin in good condition. Skull complete except for lower incisors.

MEASUREMENTS: Skin: total length, 1880 mm.; tail vertebrae, 203; hind foot, 572. Skull: greatest length, 385; condylobasal length, 375; zygomatic breadth, 141; length of maxillary tooth row, 98.5.

Rangifer stonei J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 14, art. 10, pp. 143–148, figs. 1–4, May 28, 1901.
= *Rangifer arcticus stonei* Allen. According to Murie, North Amer. Fauna, no. 54, p. 76, June, 1935.

16701. Skin of head and neck, and skull. Adult male. Kenai Peninsula, Alaska. September 24, 1900. Collector: A. J. Stone.

Skin of head and neck originally mounted, in poor condition. Skull incomplete, lacking sphenoidal region, third premolar, and first and second molars on upper left side.

MEASUREMENTS: Skin: total length, 2159 mm.; tail vertebrae, 152; hind foot, 584. Skull: greatest length, 437; zygomatic breadth, 153; length of maxillary tooth row, 95.

Rangifer pearyi J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 16, art. 32, pp. 409–412, fig. 1, October 31, 1902.

19231. Skin. Adult male. Ellesmere Land (latitude 79° N.), Canada. June 15, 1902. Collector: R. E. Peary.

Skin in poor condition, untanned, lacking left front leg and hoofs on all four feet.

MEASUREMENTS: Skin: total length of flat skin, 1660 mm.

Rangifer terraenovae J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 8, art. 14, pp. 233–235, pl. 11, fig. 1, November 21, 1896.
= *Rangifer terraenovae* Bangs. According to Elliot, Publ. Field Columbian Mus., zool. ser. vol. 2, p. 36, 1901.

11775. Skin and skull (originally mounted). Adult male. Grand Lake watershed, Newfoundland. November 4, 1895. Collector: C. B. Parker.

Skin in very bad condition. Skull complete except for base of braincase, cut away in mounting.

MEASUREMENTS: Skull: greatest length, 410 mm.; greatest breadth, 175.3; zygomatic breadth, 145; length of maxillary tooth row, 88.7.

FAMILY **BOVIDAE** GRAY

GENUS **TRAGELAPHUS** DE BLAINVILLE

Tragelaphus tjaderi J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 26, art. 12, pp. 148–149, March 19, 1909.
= *Tragelaphus scriptus delamerei* Pocock. According to Hollister, Bull. U. S. Natl. Mus., no. 99, pt. 3, p. 127, 1924.

27776. Skin and skull. Adult male. Nakuru, Kenya Colony. July 6, 1906. Collector: H. Lang. Tjäder Expedition. Original number 76.

Skin in good condition. Skull lacking anterior portion in front of orbits and all upper teeth except last right molar; lower jaw broken on left side.

MEASUREMENTS: Skin: total length, 1450 mm.; tail vertebrae, 220; Skull: condylobasal length, 218; greatest breadth, 97; length of maxillary tooth row, 67. Length of horns, following curvature, 315 mm.

GENUS **SYLVICAPRA** OGILBY

Sylvicapra grimmia vernayi Hill
Amer. Mus. Novitates, no. 1170, p. 1, May 4, 1942.

83576. Skin and skull. Adult male. Kaotwe Pan, Kalahari Desert, latitude 22° 30′ S., longitude 23° 20′ E., Bechuanaland. April 8, 1930. Collector: H. Lang. Vernay Lang Kalahari Expedition. Original number 65.

Skin in good condition. Skull badly broken by bullet through right eye and posterior part of palate. Dentition complete except for last upper right molar.

MEASUREMENTS: Skin (tanned): total length, 1030 mm.; tail vertebrae, 75; hind foot, 290. Skull: greatest length, 186.5; zygomatic breadth, 80; length of maxillary tooth row, 57.6.

GENUS **RHYNCHOTRAGUS** NEUMANN

Madoqua langi J. A. Allen
Bull. Amer. Mus. Nat. Hist., vol. 26, art. 12, pp. 153–154, March 19, 1909.
= *Rhynchotragus kirkii cavendishi* (Thomas). According to Hollister, Bull. U. S. Natl. Mus., no. 99, pt. 3, p. 100, 1924.

27832. Skin and skull. Adult female. Elmenteita, Kenya Colony. June 29, 1906. Collector: H. Lang. Tjäder Expedition. Original number 65.

Skin in good condition. Skull complete.

MEASUREMENTS: Skin: total length, 710 mm. Skull: greatest length, 119.8; greatest breadth, 59; length of maxillary tooth row, 37.

GENUS **CAPRICORNIS** OGILBY

Capricornis osborni Andrews
Amer. Mus. Novitates, no. 6, pp. 1–3, March 24, 1921.
= *Capricornis sumatraensis milne-edwardsii* David. According to G. M. Allen, Amer. Mus. Novitates, no. 410, p. 5, March 19, 1930.

43042. Skin, skull, and skeleton. Juvenile female. Tengyueh, Yunnan, China. May 9, 1917. Collector: R. C. Andrews. Asiatic Zoological Expedition. Original number 1994.

Skin in good condition. Skull shot through right eye, badly crushed but restored.

MEASUREMENTS: Skin: total length, 1530 mm.; tail vertebrae, 180; hind foot, 390. Skull: greatest length, 265; zygomatic breadth, 115; length of maxillary tooth row, 82.

Capricornis sumatraensis montinus G. M. Allen
Amer. Mus. Novitates, no. 410, pp. 5–6, March 19, 1930.

43039. Skin and skull. Adult male. Lichiang Range, Snow Mountains, Yunnan, China.

November 5, 1916. Collector: R. C. Andrews. Asiatic Zoological Expedition. Original number 775.

Skin in good condition. Skull complete except for first right incisor.

MEASUREMENTS: Skin: total length, 1620 mm.; tail vertebrae, 80; hind foot, 400. Skull: condylobasal length, 295; zygomatic breadth, 129; length of maxillary tooth row, 84.

GENUS **OREAMNOS** RAFINESQUE

Oreamnos montanus columbianus J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 20, art. 2, p. 20, February 10, 1904.

= *Oreamnos americanus columbiae* Allen. According to Hollister, Proc. Biol. Soc. Washington, vol. 25, p. 186, December 24, 1912.

19838. Skin and skull. Adult male. Shelley Mountains, northern British Columbia, Canada. August 28, 1902. Collector: A. J. Stone. Original number 60.

Skin in good condition. Skull complete except for first right incisor.

MEASUREMENTS: Skin: hoof of outer digit, fore foot, 74 by 35 mm., hind foot, 66 by 33. Skull: occipitonasal length, 336; zygomatic breadth, 119; length of maxillary tooth row, 77.

Oreamnos montanus missoulae J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 20, art. 2, pp. 20–21, February 10, 1904.

= *Oreamnos americanus missoulae* Allen. According to Hollister, Proc. Biol. Soc. Washington, vol. 25, p. 186, December 24, 1912.

19336. Skin and skull. Adult male. Missoula, Missoula County, Montana. November 20, 1895. Collector: E. S. Hathaway. Original number 1770.

Skin originally mounted (probably destroyed); skin of female paratype, number 19337. Skull without jaws, the palate and basicranial region cut out for mounting.

MEASUREMENTS: Skin: hoof of outer digit, fore foot, 56 by 28 mm.; hind foot, 52 by 26. Skull: occipitonasal length, 299; zygomatic breadth, 108; length of maxillary tooth row, 69.

GENUS **OVIS** LINNAEUS

Ovis dalli kenaiensis J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 16, art. 14, pp. 145–148, fig. 1, April 23, 1902.

17609. Skin and skull. Adult male. Head of Sheep Creek, Kenai Peninsula, Alaska. July 10, 1901. Collectors: A. J. Stone and J. Figgins. Original number 81.

Skin in good condition but lacking right fore foot. Skull complete except for two outer lower incisors on right side.

MEASUREMENTS: Skin (tanned): total length, 1630 mm.; tail vertebrae, 32. Skull: greatest length, 273; zygomatic breadth, 121; length of maxillary tooth row, 73.8.

Ovis stonei J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 9, art. 7, pp. 111–114, pl. 2, pl. 3, fig. 1, April 8, 1897.

= *Ovis dalli stonei* Allen. According to Allen, Bull. Amer. Mus. Nat. Hist., vol. 31, art. 1, p. 28, March 4, 1912.

12721. Skin and skull. Adult male. Headwaters of Stickine River, British Columbia, Canada. Altitude, 6500 feet. Collector: A. J. Stone. August 10, 1896.

Skin originally mounted (destroyed). Skull lacking palate, basicranial region, and lower jaws.

MEASUREMENTS: Skin: length of head and body, 1676 mm.; tail vertebrae, 89. Skull: length from front of nasals and back of occipital plane, 210; zygomatic breadth, 124; length of maxillary tooth row, 86.5.

Ovis storcki J. A. Allen

Bull. Amer. Mus. Nat. Hist., vol. 20, art. 25, pp. 293–298, figs. 1–4, September 8, 1904.

= *Ovis ammon storcki* Allen. According to Ward, Records of big game, ed. 6, p. 398, 1910.

= *Ovis canadensis nivicola* Eschscholtz. According to Ellerman and Morrison-Scott, Checklist of Palaearctic and Indian mammals, p. 413, November 19, 1951.

22689. Skull. Adult male. Mountains 75 miles east of Fort Tigil, Kamchatka, Siberia. Collector: G. H. Storck.

Skull lacking mandible, right premaxillae, both zygomatic arches, all teeth except first upper molar on right and left side. No skin.

MEASUREMENTS: Skull: greatest length, 270 mm.; length of maxillary tooth row, 69.

MISSING TYPE SPECIMENS

THE FOLLOWING TYPE SPECIMENS, or parts thereof, should be in the American Museum of Natural History collection but could not be found or otherwise accounted for at the time of the writing of this paper:

A.M.N.H. Nos.	SPECIES	SPECIMEN
87201	*Pteropus goweri* Tate	Skin
10566/12214	*Vespertilio incautus* Allen	Skull
3922/2991	*Histiotus maculatus* J. A. Allen	Skull
49250	*Mops trevori* Allen	Skull
33879	*Aotus pervigilis* Elliot	Skull
34563	*Seniocebus pegasis* Elliot	Skull
9034/7327	*Lepus texianus eremicus* Allen	Skull
4483/3498	*Lepus sylvaticus mearnsii* Allen	Skin and skull
33180	*Mesosciurus gerrardi baudensis* Allen	Skull
14210	*Sciurus (Microsciurus) similis* Nelson	Skull
11957/10395	*Perognathus mearnsi* Allen	Skull
2394?	*Dipodomys merriami* Mearns	Skull
29875	*Oecomys caicarae* Allen	Skull
56389	*Cricetulus triton collinus* Allen	Skull
2348/1763	*Fiber zibethicus pallidus* Mearns	Skull
143018	*Proechimys guyannensis riparum* Moojen	Skull
36458	*Procyon (Euprocyon) aequatorialis* Allen	Mandible
14187	*Margay caucensis* Allen	Mandible
18946	*Felis panamensis* Allen	Mandible

GEOGRAPHICAL GUIDE TO TYPE LOCALITIES

The countries, islands, states, and territories of the type localities are arranged alphabetically under general headings.

Names of genera, species, and subspecies as used by the first describers are listed in taxonomic order.

EASTERN HEMISPHERE

AFRICA

ANGOLA

Elephantulus intufi mossamedensis, 233
Crocidura luimbalensis, 237
Crocidura cuanzensis, 237
Crocidura chitauensis, 237
Eptesicus capensis angolensis, 254
Mops chitauensis, 256
Taterona humpatensis, 333
Grammomys surdaster angolensis, 335
Aethomys vernayi, 336
Aethomys avunculus phippsi, 336
Dendromus mesomelas vernayi, 345
Steatomys minutus leucorhynchus, 345
Steatomys angolensis, 345
Steatomys angolensis bradleyi, 345
Otomys cuanzensis, 345
Claviglis ansorgei cuanzensis, 348

ANGLO-EGYPTIAN SUDAN

Tatera robusta taylori, 333
Taterillus emini anthonyi, 334

BECHUANALAND

Leo leo vernayi, 366
Sylvicapra grimmia vernayi, 371

BELGIAN CONGO

Atelerix faradjius, 233
Atelerix langi, 233
Crocidura oritis, 236
Crocidura caliginea, 237
Crocidura latona, 237
Crocidura ludia, 237
Crocidura polia, 237
Crocidura congobelgica, 237
Sylvisorex oriundus, 239
Nycteris avakubia, 242
Nycteris pallida, 242
Rhinolophus abae, 242
Rhinolophus axillaris, 242
Rhinolophus ruwenzorii, 244
Hipposideros abae, 244
Hipposideros caffer niapu, 245
Hipposideros langi, 245
Hipposideros gigas niangarae, 245
Hipposideros nanus, 245
Pipistrellus abaensis, 253
Eptesicus garambae, 254
Eptesicus ater, 254
Eptesicus faradjius, 254
Glauconycteris humeralis, 255
Glauconycteris alboguttatus, 255
Miniopterus breyeri vicinior, 256
Mops congicus, 256
Mops niangarae, 256
Mops trevori, 256
Mops (Allomops) faradjius, 257
Mops (Allomops) nanulus, 257
Mops (Allomops) occipitalis, 257
Chaerephon (Allomops) osborni, 257
Chaerephon frater, 257
Chaerephon russatus, 257
Chaerephon (Lophomops) abae, 258
Chaerephon (Lophomops) chapini, 258
Chaerephon (Lophomops) cristatus, 258
Nyctinomus ochraceus, 258
Colobus langi, 265
Funisciurus anerythrus niapu, 281
Heliosciurus rufobrachium medjianus, 281
Heliosciurus rufobrachium rubricatus, 281
Anomalurops beecrofti chapini, 293
Idiurus langi, 294
Idiurus panga, 294
Tatera nigrita beniensis, 333
Thamnomys venustus schoutedeni, 335
Thamnomys kempi major, 335
Thamnomys (Grammomys) surdaster callithrix, 335
Dasmys nudipes edsoni, 336
Lemniscomys oweni orientalis, 336
Praomys jacksoni minor, 336
Praomys tullbergi lukolelae, 337
Lophuromys luteogaster, 344
Cricetomys gambianus langi, 344
Steatomys pratensis kasaicus, 345
Otomys tropicalis faradjius, 345
Osbornictis piscivora, 361
Civettictis civetta congica, 362
Helogale hirtula robusta, 363
Atilax macrodon, 363
Xenogale microdon, 363
Crocuta crocuta fortis, 363
Leptailurus serval faradjius, 364
Panthera pardus iturensis, 365
Leo leo azandicus, 366
Orycteropus erikssoni faradjius, 367
Procavia chapini, 367

FRENCH EQUATORIAL AFRICA

Elephas africanus pumilio, 367
Elephas africanus rothschildi, 367

KENYA COLONY
Crocidura kijabae, 236
Arvicanthis nairobae, 336
Mus kijabius, 337
Tragelaphus tjaderi, 371
Madoqua langi, 371
MADAGASCAR
Lemur fulvus sanfordi, 261
Galidia elegans dambrensis, 362
TANGANYIKA
Tatera nyassae loveridgei, 333
Mastomys coucha itigiensis, 336
Praomys jacksoni octomastis, 337

ASIA

CHINA
FORMOSA
Tamiops sauteri, 282
FUKIEN
Rhinolophus blythi calidus, 242
Rhinolophus episcopus caldwelli, 243
Myotis frater, 252
Nyctalus velutinus, 253
Miniopterus schreibersii parvipes, 256
Caprolagus sinensis flaviventris, 268
Petaurista petaurista rufipes, 287
HAINAN
Rhinolophus blythi parcus, 243
Rhinolophus hainanus, 243
Rhinolophus lanosus spurcus, 243
Hipposideros poutensis, 245
Pipistrellus portensis, 253
Scotophilus kuhlii insularis, 255
Scotophilus castaneus consobrinus, 255
Tupaia modesta, 260
Pithecus brachyurus, 265
Pithecus brevicaudus, 265
Manis pusilla, 266
Ratufa gigantea hainana, 281
Sciurus erythraeus insularis, 281
Tamiops macclellandi hainanus, 282
Tamiops macclellandi riudoni, 282
Funambulus riudonensis, 283
Petaurista hainana, 288
Pteromys (Petinomys) electilis, 288
Hapalomys marmosa, 334
Rattus rattus hainanicus, 337
Rattus confucianus lotipes, 340
Acanthion subcristatus papae, 349
Atherurus hainanus, 349
Paradoxurus (Paguma) larvatus hainanus, 362
Mungos rubrifrons, 362
Muntiacus muntjak nigripes, 368
HOPEI
Cricetulus andersoni nigrescens, 328
Cricetulus triton fuscipes, 329
Microtus mandarinus faeceus, 332
SHENSI
Lepus swinhoei brevinasus, 268
Sciurotamias owstoni, 283
Eutamias albogularis, 287
Cricetulus triton collinus, 329
Myotalpa rufescens, 329
SZECHWAN
Crocidura ilensis phaeopus, 238
Rhinolophus episcopus, 243
Rhinolophus rex, 244
Coelops sinicus, 245
Myotis chinensis luctuosus, 252
Mus bactrianus tantillus, 344
YUNNAN
Sorex bedfordiae gomphus, 234
Sorex excelsus, 234
Soriculus caudatus umbrinus, 235
Chodsigoa hypsibia parva, 235
Chodsigoa smithii parca, 235
Crocidura rapax, 238
Crocidura vorax, 239
Anourosorex squamipes capnias, 239
Anourosorex assamensis capito, 239
Rhynchonax andersoni atronates, 239
Rhynchonax andersoni nivatus, 240
Lepus comus, 268
Microtus (Anteliomys) custos rubellus, 332
Chiropodomys fulvus, 334
Rattus humiliatus celsus, 338
Rattus huang vulpicolor, 339
Leggada cookii meator, 344
Capricornis osborni, 371
Capricornis sumatraensis montinus, 371
INDIA
BURMA
Neotetracus sinensis cuttingi, 233
Chodsigoa smithii furva, 235
Crocidura dracula mansumensis, 238
Pipistrellus anthonyi, 253
Ochotona osgoodi, 267
Callosciurus sladeni vernayi, 282
Sciurus beebei, 282
Pteromys (Olisthomys) morrisi, 288
IRAN
Crocidura hyrcania, 238
Crocidura astrabadensis, 239
Lepus europaeus iranensis, 268
Calomyscus elburzensis, 328
Microtus arvalis khorkoutensis, 331
Microtus hyrcania, 331
Ellobius fuscocapillus legendrei, 333
Meriones (Parameriones) persicus gurganensis, 334
Meriones (Pallasiomys) iranensis, 334
Rhombomys opinus sodalis, 334
Mus musculus kaleh-peninsularis, 343
Nesokia insularis, 344
Nesokia legendrei, 344

Glis glis petruccii, 348
Allactaga elater turkmeni, 349
JAPAN
Phocaenoides truei, 355
KOREA
Ochotona (Pika) coreanus, 267
Meles melanogenys, 360
MONGOLIA
Crocidura lar, 238
Cricetulus migratorius curtatus, 328
Microtus (Alticola) worthingtoni semicanus, 332
Ellobius larvatus, 333
Ellobius orientalis, 333
Stylodipus andrewsi, 348
Allactaga bullata, 348
SIAM
Petaurista cineraceus stockleyi, 288
UNION OF SOVIET SOCIALIST REPUBLICS
SIBERIA
Erinaceus orientalis, 233
Sorex buxtoni, 234
Sorex gravesi, 234
Ochotona kolymensis, 267
Lepus gichiganus, 268
Lepus timidus mordeni, 268
Citellus buxtoni, 284
Lemmus obensis chrysogaster, 329
Evotomys jochelsoni, 329
Vulpes anadyrensis, 355
Putorius (Arctogale) pygmaeus, 359
Phoca (Pusa) hispida gichigensis, 366
Ovis storcki, 372
KAZAKSTAN
Crocidura suaveolens mordeni, 238
Citellus pygmaeus kazakstanicus, 284
Microtus gravesi, 332
OCEANIA
COCOS-KEELING ISLANDS
Rattus rattus keelingensis, 337
CELEBES
Phalanger celebensis pelengensis, 231
Phalanger ursinsus togianus, 231
Rhinolophus maros, 243
Hipposideros bicolor macrobullatus, 244
Hyosciurus heinrichi, 283
Hyosciurus heinrichi ileile, 283
Rattus lalolis, 338
Rattus hoffmani mengkoka, 338
Rattus mollicomulus, 338
Rattus arcuatus, 338
Rattus salocco, 338
Rattus microbullatus, 339
Rattus penitus inferior, 339
Rattus penitus heinrichi, 339
Rattus brevimolaris, 339
Bunomys caelestis koka, 339
Rattus aspinatus, 340
Lenomys meyeri lampo, 346
MARIANA ISLANDS
Pteropus tokudae, 241
MENTAWAI ISLAND
Rhinolophus pagi, 244
Hipposideros breviceps, 244
NEW CALEDONIA
Pteropus macmillani, 241
NEW GUINEA (BRITISH PAPUA)
Phascogale tafa, 228
Phascogale (Phascolosorex) dorsalis whartoni, 229
Planigale novaeguinae, 229
Phascogale rona, 229
Phascogale (Murexia) rothschildi, 230
Echymipera oriomo, 230
Phalanger brevinasus, 230
Phalanger matsika, 231
Phalanger microdon, 231
Petaurus (Petaurella) papuanus tafa, 231
Petaurus (Petaurella) papuanus flavidus, 232
Pseudochirus (Pseudochirulus) forbesi longipilis, 232
Pseudochirus (Pseudochirops) cupreus obscurior, 232
Macropus coxenii oriomo, 233
Paranyctimene raptor, 241
Kerivoula muscina, 256
Conilurus randi, 335
Rattus brachyrhinus, 340
Melomys tafa, 341
Melomys moncktoni sturti, 341
Melomys latipes, 342
Pogonomelomys bruijnii brassi, 343
Melomys sevia, 343
Pogonomys lepidus huon, 346
Pogonomys (Chiruromys) forbesi satisfactus, 346
Pogonomys (Chiruromys) pulcher major, 346
Pogonomys kagi, 346
Leptomys signatus, 347
NEW GUINEA (NETHERLANDS)
Antechinus wilhelmina, 229
Antechinus tafa centralis, 229
Antechinus habbema, 229
Phalanger atrimaculatus, 231
Rattus richardsoni, 340
Melomys albidens, 341
Melomys shawi, 341
Melomys lutillus frigicola, 342
Melomys rufescens niviventer, 342
Xenuromys guba, 342
Lorentzimys nouhuysii alticola, 342
Pogonomelomys rümmleri, 343
Pogonomys lepidus derimapa, 346
Hydromys habbema, 347

Paraleptomys wilhelmina, 347
Pseudohydromys occidentalis, 347
Microhydromys richardsoni, 347
NEW HEBRIDES
Pteropus banksiana, 241
NEW ZEALAND
Mesoplodon bowdoini, 354
PHILIPPINE ISLANDS
Mus luteiventris, 338
Arctitis whitei, 362
Mungos palawanus, 363
SANTA CRUZ ISLAND
Pteropus nitendiensis, 241
SOLOMON ISLANDS
Pteropus goweri, 240
Uromys neobrittanicus, 342
Hydromys neobrittanicus, 347
SUMATRA
Rattus rattus palembang, 337

AUSTRALIA

QUEENSLAND
Phalanger orientalis peninsulae, 231
Dactylopsila trivirgata infumata, 232
Pseudocheirus herbertensis cinereus, 232
Taphozous troughtoni, 242
Rhinolophus maros robertsi, 244
Rattus leucopus mcilwraithi, 340
Rattus leucopus cooktownensis, 340
Rattus lacus, 340
Melomys cervinipes bunya, 341
Melomys cervinipes capensis, 342
WESTERN AUSTRALIA
Mus albocinereus, 341

EUROPE

GERMANY
Apodemus flavicollis alpinus, 335
Apodemus flavicollis alpicola, 335

WESTERN HEMISPHERE

NORTH AMERICA

ALASKA
Citellus stonei, 284
Ursus americanus kenaiensis, 355
Ursus americanus perniger, 356
Ursus merriami, 356
Ursus holzworthi, 356
Rangifer granti, 370
Rangifer stonei, 370
Ovis dalli kenaiensis, 372
CANADA
ALBERTA
Citellus columbianus albertae, 284
BRITISH COLUMBIA
Sciurus hudsonicus streatori, 280
Sciurus hudsonicus vancouverensis, 280
Tamiasciurus hudsonicus columbiensis, 280
Tamias quadrivittatus affinis, 286
Synaptomys (Mictomys) andersoni, 329
Synaptomys (Mictomys) chapmani, 329
Phenacomys constablei, 330
Microtus stonei, 330
Microtus vellerosus, 331
Microtus cautus, 331
Zapus saltator, 348
Erethizon epizanthus nigrescens, 349
Putorius microtis, 359
Rangifer osborni, 370
Oreamnos montanus columbianus, 372
Ovis stonei, 372
ELLESMERE LAND
Rangifer pearyi, 370
NEW BRUNSWICK
Evotomys fuscodorsalis, 330
NEWFOUNDLAND
Rangifer terraenovae, 371
NORTHWEST TERRITORIES
Sorex cinereus ugyunak, 234
Ursus andersoni, 356
QUEBEC
Sorex gaspensis, 234
MEXICO
CHIHUAHUA
Sciurus aberti barberi, 274
Sciurus apache, 275
Thomomys toltecus, 289
Nasua narica pallida, 357
COLIMA
Lepus insolitus, 272
Sigmodon colimae, 324
DURANGO
Myotis californicus durangae, 252
Lepus (Microtologus) gaillardi battyi, 269
Lepus (Microtologus) texianus micropus, 270
Lepus (Sylvilagus) durangae, 270
Sciurus aberti phaeurus, 274
Citellus (Otospermophilus) grammurus rupestris, 285
Eutamias durangae, 287
Eutamias canescens, 287
Perodipus obscurus, 291
Reithrodontomys megalotis sestinensis, 310
Peromyscus texanus flaccidus, 316
Peromyscus paulus, 318
Sigmodon baileyi, 325
Neotoma intermedia durangae, 327
Canis impavidus, 355
Odocoileus battyi, 368
HIDALGO
Lepus (Sylvilagus) parvulus, 272

JALISCO
Vespertilio velifer, 252
Sciurus cervicalis, 274
Heteromys jaliscensis, 292
Oryzomys mexicanus, 294
Peromyscus spicilegus, 316
Peromyscus banderanus, 318
Sigmodon mascotensis, 324
Sigmodon vulcani, 325
LOWER CALIFORNIA
Scapanus anthonyi, 240
Lepus arizonae confinis, 271
Lepus cerrosensis, 272
Tamias leucurus peninsulae, 285
Thomomys fulvus martirensis, 289
Peromyscus cedrosensis, 313
Peromyscus eremicus propinquus, 314
Sitomys americanus thurberi, 314
Peromyscus dubius, 314
Peromyscus geronimensis, 315
Peromyscus exiguus, 315
Peromyscus cineritius, 315
Sitomys martirensis, 317
Neotoma anthonyi, 327
Mephitis occidentalis holzneri, 360
NAYARIT
Sciurus poliopus tepicanus, 274
Heteromys hispidus, 292
Oryzomys bulleri, 295
OAXACA
Didelphis (Microureus) canescens, 225
Lepus sylvaticus aztecus, 271
SINALOA
Molossus sinaloae, 260
Heteromys pictus escuinapae, 292
Lynx ruffus escuinapae, 363
Odocoileus sinaloae, 368
SONORA
Perognathus pricei, 291
Reithrodontomys mexicanus fulvescens, 311
TAMAULIPAS
Idionycteris mexicanus, 255
VERACRUZ
Tamandua tetradactyla tenuirostris, 266
Lepus (Sylvilagus) russatus, 270
Oryzomys jalapae, 294
Reithrodontomys saturatus, 310
Reithrodontomys rufescens, 311
Peromyscus melanotis, 315
Peromyscus furvus, 318
Peromyscus musculus brunneus, 319
Mus musculus jalapae, 343
YUCATAN
Macrotus pygmaeus, 246
Artibeus yucatanicus, 249
Adelonycteris gaumeri, 253
Heteromys gaumeri, 293
Otonyctomys hatti, 309
Reithrodontomys mexicanus gracilis, 313
Peromyscus yucatanicus, 318
Nasua narica yucatanica, 357
ZACATECAS
Sciurus alstoni, 274
Sciurus navaritensis, 275
Tamias asiaticus bulleri, 286
Vesperimus difficilis, 317
Sigmodon fulviventer, 325
PACIFIC OCEAN[1]
Tursiops nuuanu, 354
UNITED STATES
Arizona
Lepus alleni, 269
Lepus texianus eremicus, 269
Lepus sylvaticus pinetis, 271
Sciurus arizonenis huachuca, 275
Sciurus hudsonius mogollonensis, 280
Sciurus hudsonicus grahamensis, 281
Cynomys arizonensis, 284
Thomomys cervinus, 289
Perognathus conditi, 291
Dipodomys merriami, 291
Dipodomys chapmani, 291
Reithrodontomys arizonensis, 310
Sitomys americanus arizonae, 316
Sigmodon hispidus arizonae, 324
Fiber zibethicus pallidus, 330
Arvicola leucophaeus, 331
Arvicola mogollonensis, 331
Erethizon godfreyi, 349
Urocyon virginianus scottii, 355
Putorius arizonensis, 358
Spilogale phenax arizonae, 361
Lutra hudsonica sonora, 361
CALIFORNIA
Histiotus maculatus, 255
Lepus texianus deserticola, 269
Lepus cinerascens, 272
Sciurus hudsonicus californicus, 280
Sciurus douglasii albolimbatus, 280
Tamias frater, 286
Tamias asiaticus merriami, 287
Tamias pricei, 287
Perognathus (Chaetodipus) femoralis, 291
Reithrodontomys pallidus, 310
COLORADO
Ochotona figginsi, 267
Thomomys fossor, 289
Perognathus flavus sanluisi, 290
Vesperimus nasutus, 317
Zapus princeps, 348
FLORIDA
Scalops aquaticus australis, 240

[1] Latitude 12° N., longitude 120° W., in North American waters.

Lepus sylvaticus floridanus, 270
Oryzomys palustris natator, 294
Sitomys niveiventris subgriseus, 315
Hesperomys niveiventris, 315
Peromyscus polionotus peninsularis, 315
Hesperomys floridanus, 318
Sigmodon hispidus littoralis, 324
GEORGIA
Molossus fuliginosus, 259
INDIANA
Hesperomys indianus, 343
KANSAS
Lepus melanotis, 269
Reithrodontomys dychei, 310
Neotoma campestris, 326
MINNESOTA
Lepus americanus phaeonotus, 269
Lepus sylvaticus mearnsii, 270
Sciurus hudsonicus minnesota, 279
Tamias striatus griseus, 285
Putorius longicauda spadix, 358
MONTANA
Peromyscus texanus subarcticus, 314
Hesperomys leucopus nebrascensis, 314
Peromyscus maniculatus osgoodi, 314
Oreamnos montanus missoulae, 372
NEW MEXICO
Reithrodontomys aztecus, 310
Sitomys rowleyi pinalis, 316
Arvicola (Mynomes) aztecus, 330
NORTH CAROLINA
Castor canadensis carolinensis, 293
NORTH DAKOTA
Lepus bishopi, 268
Thomomys rufescens, 289
OKLAHOMA
Dipodops richardsoni, 291
Neotoma micropus canescens, 326
OREGON
Eutamias amoenus propinquus, 286
Onychomys leucogaster fuscogriseus, 319
Microtus (Lagurus) curtatus artemisiae, 332
Mustela frenata effera, 359
SOUTH DAKOTA
Lepus sylvaticus grangeri, 271
Sciurus hudsonicus dakotensis, 280
Spermophilus tridecemlineatus olivaceus, 284
Neotoma grangeri, 327
Neotoma rupicola, 327
Arvicola insperatus, 330
TEXAS
Scalops argentatus texanus, 240
Scalopus aquaticus alleni, 240
Vespertilio incautus, 252
Lepus floridanus chapmani, 270
Lepus aquaticus attwateri, 272
Geomys personatus fuscus, 288
Perognathus merriami, 290
Perognathus mearnsi, 290
Dipodops sennetti, 292
Oryzomys palustris texensis, 294
Oryzomys aquaticus, 295
Reithrodontomys mexicanus intermedius, 311
Reithrodontomys laceyi, 311
Peromyscus michiganensis pallescens, 314
Vesperimus mearnsii, 316
Peromyscus attwateri, 316
Neotoma attwateri, 326
Mustela frenata texensis, 359
UTAH
Ochotona cinnamomea, 267
Marmota engelhardti, 283
Cynomys parvidens, 283
Spermophilus tridecemlineatus parvus, 285
Eutamias lectus, 285
Eutamias adsitus, 286
Thomomys aureus, 289
Sitomys auripectus, 313
Sitomys rowleyi, 316
WYOMING
Vespertilio chrysonotus, 252
Tamias wortmani, 285
Neotoma cinnamomea, 327
CENTRAL AMERICA
COSTA RICA
Caluromys alstoni, 224
Blarina costaricensis, 235
Blarina (Soriciscus) nigrescens, 236
Blarina (Soriciscus) orophila, 236
Artibeus intermedius, 249
Sciurus (Microsciurus) alfari, 278
Microsciurus alfari alticola, 279
Sciurus poasensis, 279
Geomys cherriei, 290
Macrogeomys cherriei carlosensis, 290
Macrogeomys heterodus cartagoensis, 290
Heteromys desmarestianus underwoodi, 293
Hesperomys (Oryzomys) alfaroi, 295
Oryzomys carrikeri, 295
Oryzomys nitidus alleni, 296
Oryzomys costaricensis, 298
Oryzomys fulvescens creper, 298
Oryzomys fulvescens reventazoni, 298
Oryzomys chrysomelas, 302
Sigmodontomys alfari, 304
Reithrodontomys australis, 311
Hesperomys (Verperimus) cherrii, 312
Reithrodontomys costaricensis, 312
Reithrodontomys mexicanus potrero-grandei, 312
Reithrodontomys brevirostris, 312
Reithrodontomys rodriguezi, 313
Hesperomys (Vesperimus ?) nudipes, 317

Peromyscus nudipes orientalis, 318
Oryzomys cherriei, 320
Scotinomys teguina cacabatus, 322
Scotinomys teguina escazuensis, 322
Akodon irazu, 322
Scotinomys teguina endersi, 323
Scotinomys longipilosus, 323
Sigmodon borucae, 325
Nasua narica bullata, 357
Felis carrikeri, 364

GUATEMALA
Sciurus yucatanensis phaeopus, 274
Liomys anthonyi, 292
Reithrodontomys mexicanus howelli, 312
Reithrodontomys pacificus, 313
Reithrodontomys gracilis anthonyi, 313
Peromyscus guatemalensis tropicalis, 317
Peromyscus grandis, 318
Sigmodon zanjonensis, 325

HONDURAS
Phylloderma septentrionalis, 247
Sturnira hondurensis, 248
Eumops underwoodi, 259
Glaucomys volans underwoodi, 288
Reithrodontomys dorsalis underwoodi, 311
Reithrodontomys mexicanus ocotepequensis, 312
Peromyscus hondurensis, 317

NICARAGUA
Metachirus fuscogriseus, 227
Blarina olivaceus, 236
Pteronotus suapurensis centralis, 246
Tonatia nicaraguae, 246
Artibeus jamaicensis richardsoni, 249
Alouatta palliata matagalpae, 262
Lepus gabbi tumacus, 272
Sciurus deppei matagalpae, 274
Microsciurus septentrionalis, 278
Macrogeomys matagalpae, 290
Heteromys vulcani, 292
Heteromys fuscatus, 293
Oryzomys richardsoni, 294
Oryzomys alfaroi incertus, 295
Oryzomys (Oligoryzomys) nicaraguae, 298
Oryzomys ochraceus, 305
Ototylomys fumeus, 309
Peromyscus nicaraguae, 318
Sigmodon hispidus griseus, 325
Neotoma chrysomelas, 327
Hoplomys truei, 353
Bassaricyon richardsoni, 358
Mustela tropicalis nicaraguae, 359
Tayra barbara inserta, 359
Conepatus nicaraguae, 361
Lutra latidens, 361
Margay glaucula nicaraguae, 364

PANAMA
Marmosa mexicana savannarum, 225
Phyllostomus hastatus panamensis, 247
Myotis chiriquensis, 251
Molossus coibensis, 260
Tamandua tetradactyla chiriquensis, 265
Sylvilagus gabbi consobrinus, 273
Tylomys fulviventer, 309
Sigmodon borucae chiriquensis, 325
Nasua narica panamensis, 357
Potos flavus chiriquensis, 358
Felis panamensis, 365
Odocoileus rothschildi chiriquensis, 369

WEST INDIES

BAHAMA ISLANDS
Capromys ingrahami, 351

CUBA
Phyllops vetus, 250
Natalus primus, 250
Nyctinomus minutus, 258

DOMINICAN REPUBLIC
Ardops haitiensis, 250
Molossus verrilli, 260

JAMAICA
Tonatia saurophila, 247
Xenothrix mcgregori, 265

PUERTO RICO
Monophyllus frater, 248
Phyllonycteris major, 250

ST. ANDREWS ISLAND
Artibeus coryi, 249

ST. KITTS
Artibeus insularis, 249

TRINIDAD
Marmosa chapmani, 225
Thylamys carri, 226
Didelphis marsupialis insularis, 228
Saccopteryx perspicillifer, 241
Peropteryx trinitatis, 241
Choeronycteris intermedia, 248
Artibeus palmarum, 249
Sciurus chapmani, 277
Oryzomys velutinus, 296
Oryzomys delicatus, 298
Oryzomys speciosus, 300
Oryzomys trinitatis, 301
Nectomys palmipes, 304
Tylomys couesi, 305
Akodon urichi, 320
Oryzomys brevicauda, 321
Akodon frustrator, 321
Echimys trinitatis, 352
Loncheres castaneus, 354
Mazama trinitatis, 369

SOUTH AMERICA

ARGENTINA
Eligmodontia morgani, 323

BOLIVIA
Marmosa mapiriensis, 224

Marmosa yungasensis, 226
Marmosa unduaviensis, 226
Marmosa aceramarcae, 227
Artibeus rusbyi, 250
Thomasomys oreas, 308
Thomasomys ladewi, 308
Thomasomys daphne australis, 309
Lenoxus apicalis boliviae, 322
Hesperomys lepidus montanus, 323
Dactylomys boliviensis, 354
Mustela frenata boliviensis, 359

BRAZIL
Didelphis cinerea, 223
Micronycteris (Neonycteris) pusilla, 246
Eptesicus chapmani, 253
Molossus perotis, 259
Molossus cherriei, 260
Cacajao roosevelti, 262
Ateles longimembris, 264
Leontocebus midas inustus, 264
Tamandua tetradactyla chapadensis, 265
Sciurus langsdorffii urucumus, 278
Oryzomys (Oligoryzomys) microtis, 299
Oryzomys (Oligoryzomys) utiaritensis, 299
Oryzomys (Oligoryzomys) mattogrossae, 299
Oecomys milleri, 300
Mus pyrrhorhinus, 300
Oecomys emiliae, 306
Zygodontomys tapirapoanus, 320
Dasyprocta variegata urucuma, 351
Proechimys guyannensis arabupu, 351
Proechimys guyannensis riparum, 352
Proechimys boimensis, 352
Proechimys kermiti, 352
Potos flavus chapadensis, 358
Felis braccata, 365
Felis onca madeirae, 366

BRITISH GUIANA
Oecomys rutilus, 300
Rhipidomys milleri, 306
Podoxymys roraimae, 322
Myoprocta exilis demararae, 351
Echimys longirostris, 354
Oncoides pardalis tumatumari, 364
Tapirus terrestris guianiae, 367
Pecari tajacu macrocephalus, 368
Tayassu pecari beebei, 368
Mazama americana tumatumari, 369

COLOMBIA
Metachirus grisescens, 227
Metachirus nudicaudatus colombianus, 227
Metachirus nudicaudatus antioquiae, 227
Didelphis karkinophaga colombica, 228
Didelphis karkinophaga caucae, 228
Blarina (Cryptotis) squamipes, 236
Micronycteris hypoleuca, 246
Chrotopterus colombianus, 247
Phyllostomus hastatus caurae, 247
Glossophaga apolinari, 248
Chiroderma jesupi, 249
Myotis bondae, 250
Myotis caucensis, 251
Eptesicus andinus, 253
Promops affinis, 259
Molossus bondae, 260
Aotus aversus, 261
Aotus griseimembra, 261
Aotus pervigilis, 261
Pithecia milleri, 261
Alouatta seniculus bogotensis, 262
Alouatta seniculus caquetensis, 262
Alouatta seniculus caucensis, 262
Alouatta seniculus rubicunda, 262
Cebus capucinus nigripectus, 263
Cebus malitiosus, 263
Saimiri caquetensis, 263
Ateles robustus, 264
Seniocebus meticulosus, 264
Seniocebus pegasis, 264
Oedipomidas salaquiensis, 264
Tamandua tetradactyla instabilis, 266
Choloepus andinus, 266
Choloepus agustinus, 266
Choloepus capitalis, 266
Choloepus florenciae, 266
Lepus (Sylvilagus) superciliaris, 271
Sylvilagus boylei, 271
Sylvilagus (Tapeti) fulvescens, 273
Sylvilagus (Tapeti) salentus, 273
Sciurus saltuensis bondae, 275
Sciurus saltuensis magdalenae, 275
Sciurus gerrardi salaquensis, 275
Mesosciurus gerrardi baudensis, 275
Mesosciurus gerrardi valdiviae, 276
Sciurus milleri, 276
Sciurus (Mesosciurus) gerrardi leonis, 276
Guerlinguetus hoffmanni quindianus, 276
Guerlinguetus griseimembra, 276
Guerlinguetus candelensis, 277
Sciurus (Guerlinguetus) caucensis, 277
Guerlinguetus pucheranii salentensis, 277
Sciurus (Microscius) similis, 279
Microsciurus florenciae, 279
Heteromys jesupi, 293
Heteromys lomitensis, 293
Oryzomys magdalenae, 296
Oryzomys mollipilosus, 296
Oryzomys palmirae, 296
Oryzomys villosus, 297
Oryzomys pectoralis, 297
Oryzomys incertus, 297
Oryzomys mureliae, 297
Oryzomys o'connelli, 297
Oryzomys maculiventer, 297

Oryzomys (Oligoryzomys) munchiquensis, 299
Oryzomys (Oligoryzomys) fulvirostris, 299
Oecomys florenciae, 300
Oryzomys trichurus, 301
Oecomys mincae, 301
Oryzomys helvolus, 302
Oryzomys vicencianus, 302
Oryzomys (Melanomys) obscurior affinis, 303
Melanomys affinis monticola, 303
Melanomys phaeopus vallicola, 303
Melanomys phaeopus tolimensis, 303
Melanomys lomitensis, 303
Melanomys buenavistae, 303
Akodon columbianus, 304
Neacomys pusillus, 304
Oryzomys barbacoas, 305
Rhipidomys cocalensis, 305
Rhipidomys similis, 305
Rhipidomys quindianus, 305
Rhipidomys mollissimus, 306
Rhipidomys caucensis, 306
Thomasomys popayanus, 307
Thomasomys cinereiventer, 307
Thomasomys cinereiventer dispar, 307
Thomasomys cinereiventer contradictus, 307
Thomasomys bombycinus, 307
Aepeomys fuscatus, 308
Reithrodontomys milleri, 312
Akodon chapmani, 319
Microxus affinis, 320
Akodon tolimae, 320
Zygodontomys griseus, 321
Zygodontomys fraterculus, 321
Oryzomys sanctaemartae, 321
Coendou sanctaemartae, 349
Cavia anolaimae, 350
Dinomys gigas, 350
Dasyprocta variegata chocoensis, 350
Dasyprocta fulginosa candelensis, 351
Myoprocta milleri, 351
Echimys mincae, 351
Proechimys o'connelli, 352
Echimys canicollis, 353
Isothrix rufodorsalis, 353
Thrinacodus apolinari, 354
Procyon proteus, 356
Nasua olivacea lagunetae, 357
Potos flavus caucensis, 358
Potos flavus tolimensis, 358
Tayra barbara irara, 360
Lutra colombiana, 361
Felis sanctaemartae, 364
Margay tigrina elenae, 365
Margay caucensis, 365
Mazama cita sanctaemartae, 370
Mazama murelia, 370

ECUADOR

Glironia aequatorialis, 223
Glironia criniger, 223
Marmosa perplexa, 224
Marmosa bombascarae, 224
Marmosa rubra, 225
Marmosa oroensis, 226
Marmosa celicae, 226
Caenolestes caniventer, 230
Caenolestes convelatus, 230
Caenolestes tatei, 230
Blarina montivaga, 235
Lonchorhina occidentalis, 246
Tonatia minuta, 247
Anoura geoffroyi antricola, 248
Sturnira ludovici, 248
Artibeus fraterculus, 250
Myotis esmeraldae, 251
Myotis punensis, 251
Eptesicus chiralensis, 254
Dasypterus ega punensis, 255
Nyctinomus aequatorialis, 258
Molossus daulensis, 260
Cebus aequatorialis, 263
Tamandua tetradactyla punensis, 265
Sylvilagus kelloggi, 273
Sylvilagus chillae, 273
Sylvilagus daulensis, 273
Guerlinguetus hoffmanni manavi, 276
Sciurus igniventris zamorae, 278
Sciurus stramineus zarumae, 278
Microsciurus sabanillae, 279
Oryzomys balneator hesperus, 295
Oryzomys auriventer nimbosus, 298
Oecomys melleus, 302
Melanomys caliginosus oroensis, 302
Scolomys melanops, 304
Thomasomys aureus altorum, 307
Thomasomys auricularis, 307
Thomasomys erro, 308
Thomasomys caudivarius, 308
Thomasomys silvestris, 308
Thomasomys rhoadsi fumeus, 308
Thomasomys cinnameus, 309
Thomasomys hudsoni, 309
Microxus latebricola, 321
Phyllotis fruticicolus, 323
Phyllotis fuscus, 324
Sigmodon chonensis, 326
Sigmodon inopinatus, 326
Ichthyomys tweedii, 327
Ichthyomys orientalis, 328
Neusticomys monticolus, 328
Coendu quichua richardsoni, 350
Dasyprocta variegata zamorae, 350
Procyon (Euprocyon) aequatorialis, 356
Tayra barbara senilis, 360

Tayassu niger, 368
Mazama gualea, 369
Mazama fuscata, 369
Mazama zamora, 369
PERU
Thylamys keaysi, 226
Marimosa caucae ucayaliensis, 226
Marmosa juninensis, 227
Metachirus tschudii, 227
Didelphis marsupialis etensis, 228
Didelphis pernigra, 228
Myotis ruber keaysi, 251
Histiotus inambarus, 254
Mormopterus peruanus, 258
Promops milleri, 259
Sciurus (Microsciurus) peruanus, 279
Oryzomys keaysi, 297
Oryzomys obtusirostris, 297
Oryzomys baroni, 298
Rhipidomys ochrogaster, 306
Akodon lutescens, 319
Oxymycterus apicalis, 322
Oxymycterus juliacae, 322
Phyllotis osilae, 323
Phyllotis (Auliscomys) decoloratus, 324
Sigmodon peruanus, 326
Dactylomys peruanus, 354
Felis onca ucayalae, 366
VENEZUELA
Peramys brevicaudatus dorsalis, 223
Marmosa demararae areniticola, 223
Marmosa demararae esmeraldae, 223
Marmosa murina roraimae, 224
Marmosa klagesi, 224
Marmosa murina duidae, 224
Marmosa tyleriana, 225
Marmosa tyleriana phelpsi, 225
Chilonycteris rubiginosa fusca, 245
Dermonotus suapurensis, 246
Chrotopterus carrikeri, 247
Lonchophylla thomasi, 248
Myotis maripensis, 252
Promops barbatus, 260
Callicebus lugens duida, 261
Cebus apella brunneus, 263
Sciurus (Guerlinguetus) aestuans quebradensis, 277
Guerlinguetus aestuans venustus, 277
Sciurus duida, 278
Oryzomys modestus, 296
Oryzomys tenuipes, 299
Oecomys caicarae, 300
Oecomys phelpsi, 300, 319
Oryzomys palmarius, 301
Oryzomys fulviventer, 301
Oryzomys klagesi, 301
Oecomys auyantepui, 302
Nectomys squamipes tatei, 304
Thomasomys macconnelli subnubis, 305
Rhipidomys venezuelae yuruanus, 306
Oryzomys tenuicauda, 306
Thomasomys ottleyi, 309
Chalcomys aerosus saturatus, 319
Akodon meridensis, 320
Akodon venezuelensis, 320
Holochilus venezuelae, 324
Daptomys venezuelae, 328
Cavia porcellus venezuelae, 350
Echimys urichi, 352
Proechimys semispinosus amphichoricus, 352
Proechimys cayennensis hoplomyoides, 353
Loncheres carrikeri, 353
Urocyon cineroargentea venezuelae, 355
Nasua phaeocephala, 357
Nasua candace dichromatica, 357
Felis maripensis, 364
Felis concolor anthonyi, 365
Mazama americana juruana, 369

COLLECTORS OF TYPE SPECIMENS IN THE AMERICAN MUSEUM OF NATURAL HISTORY

Alfaro, Anastasio, 295, 302, 304, 311
Allen, Arthur A., 254, 358
Allen, Charles A., 280, 286
Anderson, M. P., 280, 329, 349, 359
Anderson, R. M., 234, 356
Andrews, Roy Chapman, 234, 235, 238, 239, 240, 242, 253, 256, 267, 268, 328, 329, 332, 333, 335, 338, 339, 344, 348, 355, 360, 371, 372
Anthony, Alfred W., 240, 272, 274, 285, 289, 292, 312, 313, 314, 315, 316, 317, 318, 325, 327
Anthony, Harold E., 224, 225, 226, 230, 233, 235, 236, 247, 248, 250, 253, 254, 265, 267, 273, 279, 286, 295, 307, 308, 309, 319, 323, 328 332, 333, 334, 359
Archbold, Richard, 228, 229, 230, 231, 232, 233, 340, 341, 342
Armstrong, F. B., 290, 295, 311, 316
Attwater, Henry P., 240, 252, 272, 290, 294, 311, 314, 316, 326, 359
Barber, C. M., 274
Baron, O. T., 227, 259, 279, 298, 326
Batty, J. H., 225, 227, 228, 247, 251, 252, 260, 262, 263, 265, 269, 270, 274, 277, 279, 285, 287, 291, 292, 310, 316, 319, 325, 327, 355, 357, 358, 363, 365, 368, 369
Beck, R. H., 343, 346
Beebe, C. William, 282, 300, 354, 368
Bell, J. P. H., 318
Bishop, L. B., 269
Boulton, W. Rudyerd, Jr., 336
Boykin, Dr., 259
Boyle, H. S., 228, 271, 276, 307, 309, 354, 365
Bradley, Lee S., 256, 334, 335, 336, 345, 348
Brown, W. W., 255
Brumley, H. H., 293
Buller, Audley C., 225, 252, 271, 272, 274, 275, 287, 292, 295, 317, 318, 324, 325, 326
Buxton, N. G., 233, 234, 268, 284, 329, 355, 359, 366
Caldwell, H. R., 243, 252, 287
Callewaert, R., 345
Carriker, M. A., 246
Carriker, M. A., Jr., 247, 261, 263, 296, 306, 323, 350, 353, 355, 357, 364, 369
Carter, T. Donald, 223, 224, 353
Chapin, James P., 233, 236, 237, 239, 242, 244, 245, 253, 254, 255, 256, 257, 258, 265, 281, 293, 294, 333, 335, 336, 337, 345, 361, 362, 363, 364, 366, 367
Chapman, C. P., 237
Chapman, Frank M., 225, 226, 228, 240, 241, 242, 248, 249, 250, 258, 261, 264, 270, 272, 277, 293, 294, 296, 299, 300, 301, 304, 305, 310, 311, 313, 315, 318, 319, 320, 321, 324, 329, 344, 352, 354, 357, 358, 369
Cherrie, Geo. K., 224, 235, 236, 249, 260, 264, 278, 290, 296, 300, 312, 317, 321, 325
Clement, Harold J., 304
Colburn, A. E., 266, 271, 323
Condit, B. C., 269, 271, 281, 291, 310, 311, 316, 331
Coultas, W. F., 241, 342, 347
Crowe, Peter E., 290
Diefenbach, J., 287, 289
Dillon, J. A., 357
Dippie, G. F., 284
Drowne, F. P., 241
Dumont, P. A., 261, 362
Dyche, L. L., 310, 314
Elliot, D. G., 314
Engelhardt, George P., 267, 283, 286
Figgins, J. D., 267, 372
Fuertes, L. A., 264
Gabaldon, S. B., 299, 320
Gaumer, Geo. F., 246, 253
Gibson-Hill, C. A., 337
Gilliard, E. T., 352
Godfrey, G. C. M., 349
Gonzales, Manuel, 262, 350
Goodwin, George G., 234, 238, 239, 268, 284, 328, 331, 332, 333, 334, 343, 344, 348, 349
Granger, Walter W., 238, 243, 244, 245, 252, 271, 280, 285, 326, 327, 330, 344
Halter, Clarence R., 247
Hathaway, E. S., 372
Heinrich, Gerd H., 243, 244, 283, 335, 338, 339, 340, 346
Heller, Edmund, 234, 235, 239, 240, 253, 268, 332, 335, 338, 339, 344
Henderson, R., 249
Holzner, Frank, 269, 360
Holzworth, John M., 356
Ingraham, D. P., 351
Jochelson, Waldemar, 267, 330
Keays, Herbert Henry, 226, 228, 251, 258, 297, 306, 319, 322, 323, 324, 354
Kerr, Mrs. E. L., 264, 275, 276
Klages, Samuel M., 223, 224, 246, 248, 252, 260, 301, 324, 357, 364,
Lang, Herbert, 233, 236, 237, 239, 242, 244, 245, 253, 254, 255, 256, 257, 258, 265, 281, 293, 294, 335, 336, 337, 344, 345, 361, 362, 363, 364, 366, 367, 371
Lloyd, William, 240
Loveridge, Arthur, 333, 336
Lumholtz, Carl, 357

McConnell, F. O., 351
Macmillan, L., 241
Mannhardt, Alfred, 247
Maria, Apolinar, 247, 248, 354
Marsh, C. H., 291
Matthews, F. P., 244
Mayer, F. Shaw, 341, 346
Mearns, Edgar A., 269, 270, 279, 280, 284, 285, 288, 291, 324, 330, 331, 358, 359, 361
Meek, A. S., 230
Menden, J. J., 231, 244, 337
Miller, Leo E., 228, 236, 251, 253, 254, 261, 262, 263, 264, 266, 273, 276, 277, 278, 279, 296, 297, 299, 300, 303, 305, 306, 307, 309, 312, 320, 321, 350, 351, 353, 354, 358, 364, 365, 367, 369, 370
Moses, A. L., 337
Murphy, C. B. G., 337
Neuhäuser, Gabriele, 231, 232, 340
Nichols, David G., 315
Nichols, John T., 354
O'Connell, G. M., 275, 276, 297, 302, 303, 319, 321, 352
Olalla brothers, Alfonso M. and Ramon, 224, 225, 226, 246, 256, 352, 365, 366
Olalla, Carlos, and sons, 223, 247, 308
Owston, Alan, 243, 245, 253, 255, 261, 265, 267, 268, 281, 282, 283, 287, 329, 349, 362
Parker, C. B., 371
Peary, Robert E., 370
Pittier, H., 298
Pope, Clifford H., 243, 268, 288, 334, 337, 340, 349, 360, 368
Price, W. W., 269, 275, 281, 316, 331
Priour, J. M., 292
Rand, A. L., 229, 230, 231, 232, 261, 335, 340, 362
Raven, Henry Cushier, 238, 282, 288
Richardson, Jenness, 292, 314
Richardson, William B.,[1] 236, 246, 249, 251, 255, 259, 260, 262, 263, 266, 272, 273, 274, 276, 278, 290, 292, 293, 294, 295, 298, 302, 303, 304, 305, 307, 308, 309, 318, 320, 325, 326, 327, 350, 353, 356, 358, 359, 360, 361, 364, 368, 369, 370
Richardson, William B., 229, 231, 340, 341, 342, 343, 347
Riddall, J. B., 241
Roberts, John, 244
Robinette, F., 275, 289
Rockefeller, J. S., 337
Roigneau, Marcelle, 309
Rowley, Charles P., 289, 310, 313, 316, 330, 331, 348
Rowley, John, Jr., 330
Rusby, H. H., 250
Sage, D. L., 244
Sauter, H., 282
Scott, W. E. D., 355
Shooter, Thomas, 256
Simmons, P. O., 228
Smith, Albert, 227
Smith, Herbert H., 227, 228, 263, 265, 266, 271, 275, 296, 350, 352, 353, 356, 358, 360, 361, 364, 365, 370
Smith, Mrs. Herbert H., 246, 249, 251, 259, 260, 293, 296, 297, 301, 304, 321
Smith, W. G., 317
Söderström, Ludovic, 248, 328
Stephens, F., 287, 310
Stockley, C. H., 288
Stone, Andrew J., 284, 330, 331, 348, 356, 370, 372
Storck, G. H., 372
Streator, Clark P., 280, 286
Tate, G. H. H., 223, 224, 225, 226, 227, 229, 230, 241, 242, 246, 256, 298, 301, 302, 304, 306, 308, 309, 319, 320, 321, 322, 323, 324, 326, 328, 340, 341, 342, 343, 346, 347, 351, 353, 359
Thurber, E. C., 272, 289, 314
Tjader, R., 236
Underwood, Cecil F., 247, 248, 259, 279, 288, 290, 293, 298, 311, 312, 313, 317, 318, 322, 323
Urich, F. W., 277, 296, 301, 306, 320, 352
Van Deusen, Hobart M., 342
Verrill, A. H., 250, 260
Watkins, C., 254
Watkins, H., 227, 254
White, John R., 338, 363
Wied, Prince Alexander P. Maximilian, 223, 259, 289, 300, 343

[1] Of Matagalpa, Nicaragua.

INDEX

abae, Chaerephon, 258
  Hipposideros, 244
  Rhinolophus, 242
abaensis, Pipistrellus, 253
ablusus, Citellus, 284
Acanthion papae, 349
aceramarcae, Marmosa, 227
actecus, Sylvilagus, 271
Adelonycteris gaumeri, 253
adsitus, Eutamias, 286
Aepeomys fuscatus, 308
aequatorialis, Cebus, 263
  Glironia, 223
  Nyctinomus, 258
  Procyon, 356, 373
aerosus, Akodon, 301, 319
Aethomys, 336
  phippsi, 336
  vernayi, 336
affinis, Akodon, 320
  Eutamias, 286
  Microxus, 320
  Oryzomys, 303
  Promops, 259
  Tamias, 286
Akodon, 319
  aerosus, 301, 319
  affinis, 320
  chapmani, 319
  columbianus, 304
  frustrator, 321
  irazu, 322
  lutescens, 319
  meridensis, 320
  saturatus, 319
  tapirapoanus, 320
  tolimae, 320
  urichi, 320
  venezuelensis, 320
albertae, Citellus, 284
albidens, Melomys, 341
albinasa, Pithecia, 262
albocinereus, Mus, 341
albo-cinereus, Pseudomys, 341
albogularis, Eutamias, 287
alboguttatus, Glauconycteris, 255
albolimbatus, Sciurus, 280
  Tamiasciurus, 280
alfari, Microsciurus, 278
  Nectomys, 304, 305
  Sciurus, 278
  Sigmodontomys, 304
alfaroi, Hesperomys, 295
  Oryzomys, 295
Allactaga, 348
  bullata, 348
  indica, 349
  turkmeni, 349
alleni, Lepus, 269
  Oryzomys, 296
  Scalopus, 240
Allomops, 257
Alouatta, 262
  bogotensis, 262
  caquetensis, 262
  caucensis, 262
  matagalpae, 262
  palliata, 262
  rubicunda, 262
  seniculus, 262, 263
alpicola, Apodemus, 335
alpinus, Apodemus, 335
alstoni, Caluromys, 224
  Marmosa, 224
  Sciurus, 274, 275
Alticola, 332
  semicanus, 332
alticola, Lorentzimys, 342, 343
  Microsciurus, 279
altorum, Thomasomys, 307
amblyotis, Tonatia, 247
americana, Mazama, 369
Ammospermophilus, 285
amoenus, Eutamias, 286
amphichoricus, Proechimys, 352
amurensis, Erinaceus, 233
anadyrensis, Vulpes, 355
andersoni, Synaptomys, 329
  Uropsilus, 239
  Ursus, 356
andinus, Choloepus, 266
  Eptesicus, 253
andium, Phyllotis, 323
andrewsi, Stylodipus, 348
angolensis, Eptesicus, 254
  Grammomys, 335
  Steatomys, 345
anolaimae, Cavia, 350
Anomaluridae, 293
Anomalurops, 293
  chapini, 293
Anoura, 248
  antricola, 248
  peruana, 248
Anourosorex, 239
  capito, 239
  capnias, 239
  squamipes, 239
Antechinus, 228
  centralis, 229

habbema, 229
tafa, 228
wilhelmina, 229
anthonyi, Felis, 365
Liomys, 292
Neotoma, 327
Pipistrellus, 253
Reithrodontomys, 313
Scapanus, 240
Taterillus, 334
antioquiae, Metachirus, 227
antricola, Anoura, 248
Aotus, 261
aversus, 261
griseimembra, 261
lemurinus, 261
pervigilis, 261, 373
apache, Sciurus, 275
apicalis, Lenoxus, 322
Oxymycterus, 322
Apodemus, 335
alpicola, 335
alpinus, 335
apolinari, Glossophaga, 248
Thrinacodus, 354
Aporodon, 312
aquaticus, Oryzomys, 295
Sylvilagus, 272
arabupu, Proechimys, 351
Arctictis, 362
Arctitis whitei, 362
arcuatus, Rattus, 338
Ardops haitiensis, 250
areniticola, Marmosa, 223
arizonae, Neotoma, 327
Peromyscus, 316
Sigmodon, 324
Sitomys, 316
Spilogale, 361
arizonensis, Cynomys, 284
Mustela, 359
Putorius, 358
Reithrodontomys, 310
armatus, Echimys, 354
artemisiae, Microtus, 332
Peromyscus, 314
Artibeus, 249
coryi, 249
fraterculus, 250
insularis, 249
intermedius, 249
jamaicensis, 249
lituratus, 250
palmarum, 249
richardsoni, 249
rusbyi, 250
yucatanicus, 249
Artiodactyla, 367
Arvicanthis, 336
nairobae, 336
Arvicola aztecus, 330
insperatus, 330
leucophaeus, 331
mogollonensis, 331
aspinatus, Rattus, 340
astrabadensis, Crocidura, 239
Atelerix, 233
faradjius, 233
langi, 233
Ateles, 264
chamek, 264
longimembris, 264
robustus, 264
ater, Eptesicus, 254
Atherurus, 349
hainanus, 349
Atilax, 363
macrodon, 363
atrimaculatus, Phalanger, 231
atronates, Rhynchonax, 239
attwateri, Lepus, 272
Neotoma, 326
Peromyscus, 316
aureus, Thomomys, 289
auricularis, Thomasomys, 307
auripectus, Peromyscus, 313
Sitomys, 313
australis, Reithrodontomys, 311
Scalopus, 240
Thomasomys, 309
auyantepui, Oecomys, 302
Oryzomys, 302
avakubia, Nycteris, 242
aversus, Aotus, 261
axillaris, Rhinolophus, 242
azandicus, Felis, 366
Leo, 366
aztecus, Arvicola, 330
Lepus, 271
Microtus, 330
Reithrodontomys, 310

baileyi, Sigmodon, 325
Baiomys, 318
brunneus, 319
paulus, 318
Baiosciurus, 274
banderanus, Peromyscus, 318
banksiana, Pteropus, 241
barbacoas, Oryzomys, 305
barbatus, Promops, 260
barberi, Sciurus, 274
baroni, Oryzomys, 298
Bassaricyon, 358
richardsoni, 358
battyi, Lepus, 269

Odocoileus, 368
baudensis, Mesosciurus, 275, 373
beebei, Callosciurus, 282
Sciurus, 282
Tagassu, 368
Tayassu, 368
beniensis, Tatera, 333
beringiana, Vulpes, 355
bilineata, Saccopteryx, 241
bishopi, Lepus, 268
Blarina, 235
costaricensis, 235
montivaga, 235
nigrescens, 236
olivaceus, 236
orophila, 236
squamipes, 236
bogotensis, Alouatta, 262
boimensis, Proechimys, 352
boliviae, Lenoxus, 322
boliviensis, Dactylomys, 354
Mustela, 359
bombascarae, Marmosa, 224
bombycinus, Thomasomys, 307
bondae, Molossus, 260
Myotis, 250
Sciurus, 275
borucae, Sigmodon, 325
Bovidae, 371
bowdoini, Mesoplodon, 354
boylei, Sylvilagus, 271
braccata, Felis, 365
braccatus, Lynchailurus, 365
brachyrhinus, Rattus, 340
brachyurus, Pithecus, 265
bradleyi, Steatomys, 345
Bradypodidae, 266
brassi, Pogonomelomys, 343
brevicauda, Oryzomys, 321
Zygodontomys, 321
brevicaudus, Pithecus, 265
breviceps, Hipposideros, 244
brevimolaris, Rattus, 339
brevinasus, Lepus, 268
Phalanger, 230
brevirostris, Mus, 343
Reithrodontomys, 312
brunneus, Baiomys, 319
Cebus, 263
Peromyscus, 319
buenavistae, Melanomys, 303
Oryzomys, 303
bullata, Allactaga, 348
Nasua, 357
bulleri, Eutamias, 286
Oryzomys, 295
Tamias, 286
Bunomys koka, 339
bunya, Melomys, 341
buxtoni, Citellus, 284
Sorex, 234

cacabatus, Scotinomys, 322
Cacajao roosevelti, 262
Caenolestes, 230
caniventer, 230
convelatus, 230
tatei, 230
Caenolestidae, 230
caicarae, Oecomys, 300, 373
Oryzomys, 300
caldwelli, Rhinolophus, 243
calidus, Rhinolophus, 242
californicus, Sciurus, 280
caliginea, Crocidura, 237
Callicebus, 261
duida, 261
lugens, 261
Callithricidae, 264
callithrix, Grammomys, 335
Thamnomys, 335
Callosciurus, 281
beebei, 282
castaneoventris, 281
formosanus, 282
hainanus, 282
quinquestriatus, 282
sauteri, 282
vernayi, 282
Callospermophilus, 285
Calomyscus, 328
elburzensis, 328
Caluromys alstoni, 224
campestris, Neotoma, 326
cancrivorus, 356
candelensis, Dasyprocta, 351
Guerlinguetus, 277
Sciurus, 277
canescens, Didelphis, 225
Eutamias, 287
Marmosa, 225
Neotoma, 326
canicollis, Echimys, 353
Proechimys, 353
Canidae, 355
Canis, 355
impavidus, 355
caniventer, Caenolestes, 230
cansus, Myospalax, 329
capensis, Melomys, 342
capitalis, Choloepus, 266
capito, Anourosorex, 239
capnias, Anourosorex, 239
Capricornis, 371
milne-edwardsii, 371
montinus, 371

osborni, 371
Caprolagus, 268
flaviventris, 268
Capromyidae, 351
Capromys ingrahami, 351
caquetensis, Alouatta, 262
Saimiri, 263
carlosensis, Macrogeomys, 290
Carnivora, 355
carolinensis, Castor, 293
carri, Marmosa, 226
Thylamys, 226
carrikeri, Chrotopterus, 247
Echimys, 353
Felis, 364
Loncheres, 353
Oryzomys, 295
Tonatia, 247
cartagoensis, Macrogeomys, 290
castaneoventris, Callosciurus, 281
castaneus, Echimys, 354
Loncheres, 354
Castor, 293
carolinensis, 293
Castoridae, 293
caucae, Didelphis, 228
caucensis, Alouatta, 262
Felis, 365
Margay, 365, 373
Myotis, 251
Potos, 358
Rhipidomys, 306
Sciurus, 277
caudivarius, Thomasomys, 308
caurae, Phyllostomus, 247
cautus, Microtus, 331
cavendishi, Rhynchotragus, 371
Cavia, 350
anolaimae, 350
guianae, 350
venezuelae, 350
Caviidae, 350
Cebidae, 261
Cebu malitiosus, 263
Cebus, 263
aequatorialis, 263
brunneus, 263
nigripectus, 263
cedrosensis, Peromyscus, 313
celicae, Marmosa, 226
celsus, Rattus, 338
centralis, Antechinus, 229
Pteronotus, 246
cercopithecidae, 265
cerrosensis, Lepus, 272
Sylvilagus, 272
cervicalis, Sciurus, 274
Cervidae, 368
cervinus, Thomomys, 289
Cetacea, 354
Chaerephon, 257
abae, 258
chapini, 258
cristatus, 258
frater, 257
osborni, 257
russatus, 257
Chalcomys, 319
saturatus, 319
chamek, Ateles, 264
chapadensis, Potos, 358
Tamandua, 265
chapini, Anomalurops, 293
Chaerephon, 258
Heterohyrax, 367
Procavia, 367
chapmani, 301
Akodon, 319
Dipodomys, 291
Eptesicus, 253
Lepus, 270
Marmosa, 225
Sciurus, 277
Sylvilagus, 270
Synaptomys, 329
cherriei, Geomys, 290
Macrogeomys, 290
Molossus, 260
Oryzomys, 320
Reithrodontomys, 312
Zygodontomys, 320
cherrii, Hesperomys, 312
Reithrodontomys, 312
chillae, Sylvilagus, 273
Chilonycteris, 245
fusca, 245
chiralensis, Eptesicus, 254
chiriquensis, Myotis, 251
Odocoileus, 369
Potos, 358
Sigmodon, 325
Tamandua, 265
Chiroderma, 249
jesupi, 249
Chiropodomys fulvus, 334
Chiroptera, 240
chitauensis, Crocidura, 237
Mops, 256
chocoensis, Dasyprocta, 350
Chodsigoa, 235
furva, 235
parca, 235
parva, 235
Choeroniscus, 248
intermedia, 248
Choeronycteris intermedia, 248

Choloepus, 266
agustinus, 266
andinus, 266
capitalis, 266
florenciae, 266
chonensis, Sigmodon, 326
Chrotopterus carrikeri, 247
colombianus, 247
chrysogaster, Lemmus, 329
chrysomelas, Neotoma, 327
Oryzomys, 302
chrysonotus, Myotis, 252
Vespertilio, 252
cinerascens, Lepus, 272
Sylvilagus, 272
cinerea, Didelphis, 223
Marmosa, 223
cinereiventer, Thomasomys, 307
cinereus, Pseudocheirus, 232
cineritius, Peromyscus, 315
cinnameus, Thomasomys, 309
cinnamomea, Neotoma, 327
Ochotona, 267
Citellus, 284
ablusus, 284
albertae, 284
buxtoni, 284
columbianus, 284
kazakstanicus, 284
leucostictus, 284
nikolskii, 284
pallidus, 285
parvus, 285
peninsulae, 285
rupestris, 285
stonei, 284
wortmani, 285
Civettictis, 362
congica, 362
orientalis, 362
Claviglis, 348
cuanzensis, 348
Clethrionomys, 329
gapperi, 330
jochelsoni, 329
cocalensis, Rhipidomys, 305
Coelops, 245
sinicus, 245
Coendou, 349, 350
sanctaemartae, 349
Coendu richardsoni, 350
coibensis, Molossus, 260
colimae, Sigmodon, 324
collinus, Cricetulus, 329, 373
Colobus, 265
langi, 265
colombiana, Lutra, 361
colombianus, Chrotopterus, 247
Metachirus, 227
colombica, Didelphis, 228
columbiae, Oreamnos, 372
columbianus, Akodon, 304
Citellus, 284
Oreamnos, 372
Oryzomys, 304
columbiensis, Tamiasciurus, 280
comus, Lepus, 268
conditi, Perognathus, 291
Conepatus, 361
nicaraguae, 361
confinis, Lepus, 271
Sylvilagus, 271
congica, Civettictis, 362
congicus, Mops, 256
congobelgica, Crocidura, 237
Conilurus, 335
randi, 335
consobrinus, Eutamias, 286
Scotophilus, 255
Sylvilagus, 273
constablei, Phenacomys, 330
contradictus, Thomasomys, 307
convelatus, Caenolestes, 230
cooktownensis, Rattus, 340
coreana, Ochotona, 267
coreanus, Ochotona, 267
coryi, Artibeus, 249
costaricensis, Blarina, 235
Oryzomys, 298
Reithrodontomys, 312
couesi, Oryzomys, 294
Rhipidomys, 305
Tylomys, 305
creper, Oryzomys, 298
Cricetidae, 294
Cricetomys, 344
langi, 344
Cricetulus, 328
collinus, 329, 373
curtatus, 328
fuscipes, 329
nigrescens, 328
criniger, Glironia, 223
cristatus, Chaerephon, 258
Crocidura, 236
astrabadensis, 239
caliginea, 237
chitauensis, 237
congobelgica, 237
cuanzensis, 237
hyrcania, 238
kijabae, 236
lar, 238
latona, 237
ludia, 237
luimbalensis, 237

mansumensis, 238
mordeni, 238
oritis, 236
phaeopus, 238
polia, 237
rapax, 238
suaveolens, 238
vorax, 239
Crocuta, 363
fortis, 363
Cryptotis, 235
montivaga, 236
nigrescens, 236
olivacea, 236
olivaceus, 236
orophila, 236
squamipes, 236
cuanzensis, Claviglis, 348
Crocidura, 237
Otomys, 345
cupreus, Pseudocheirus, 232
curtatus, Cricetulus, 328
cuttingi, Neotetracus, 233
cyclops, Hipposideros, 245
cyclotis, Loxodonta, 367
cynocephala, Tadarida, 259
Cynomys, 283
arizonensis, 284
parvidens, 283

Dactylomys, 354
boliviensis, 354
peruanus, 354
Dactylopsila, 232
infumata, 232
dakotensis, Sciurus, 280
Tamiasciurus, 280
dalli, Synaptomys, 329
dambrensis, Galidia, 362
Daptomys, 328
venezuelae, 328
Dasymys, 336
edsoni, 336
Dasyprocta, 350
candelensis, 351
chocoensis, 350
urucuma, 351
zamorae, 350
Dasyproctidae, 350
Dasypterus, 255
punensis, 255
Dasyuridae, 228
daulensis, Molossus, 260
Sylvilagus, 273
decoloratus, Phyllotis, 324
definitus, Phyllotis, 324
delamerei, Tragelaphus, 371
delicatus, Oryzomys, 298
Delphinidae, 354
demararae, Myoprocta, 351
Dendromus, 345
vernayi, 345
derimapa, Pogonomys, 346
Dermonotus suapurensis, 246
deserticola, Lepus, 269
dichromatica, Nasua, 357
Didelphidae, 223
Didelphis, 228
canescens, 225
caucae, 228
cinerea, 223
colombica, 228
etensis, 228
insularis, 228
pernigra, 228
difficilis, Peromyscus, 317
Vesperimus, 317
Dinomyidae, 350
Dinomys, 350
gigas, 350
Diplomys, 353
rufodorsalis, 353
Dipodidae, 348
Dipodomys, 291
chapmani, 291
merriami, 291, 373
obscurus, 291
richardsoni, 291
senetti, 292
Dipodops richardsoni, 291
sennetti, 292
dispar, Thomasomys, 307
Dologale, 363
dybowskii, 363
dorsalis, Eutamias, 287
Peramys, 223
Dremomys, 283
riudonensis, 283
drummondii, Microtus, 330
dubius, Peromyscus, 314
duida, Callicebus, 261
Hadrosciurus, 278
Sciurus, 278
duidae, Marmosa, 224
durangae, Eutamias, 287
Lepus, 270
Myotis, 252
Neotoma, 327
dybowskii, Dologale, 363
dychei, Reithrodontomys, 310

Echimyidae, 351
Echimys, 353
armatus, 354
canicollis, 353
carrikeri, 353

castaneus, 354
longirostris, 354
mincae, 351
trinitatis, 352
urichi, 352
Echymipera, 230
oriomo, 230
Edentata, 265
edsoni, Dasmys, 336
Dasymys, 366
effera, Mustela, 359
Eira, 359
inserta, 359
irara, 360
senilis, 360
elburzensis, Calomyscus, 328
electilis, Hylopetes, 288
Pteromys, 288
elenae, Margay, 365
Oncilla, 365
Elephantidae, 367
Elephantulus, 233
mossamedensis, 233
Elephas pumilio, 367
rothschildi, 367
Eligmodontia, 323
morgani, 323
Ellobius, 333
larvatus, 333
legendrei, 333
orientalis, 333
Emballonuridae, 241
emiliae, Oecomys, 306
Rhipidomys, 306
endersi, Scotinomys, 323
engelhardti, Marmota, 283
Eotheonomys, 332
rubellus, 332
episcopus, Rhinolophus, 243
Eptesicus, 253
andinus, 253
angolensis, 254
ater, 254
chapmani, 253
chiralensis, 254
faradjius, 254
flavescens, 254
garambae, 254
propinquus, 253
eremicus, Lepus, 269, 373
Erethizon, 349
godfreyi, 349
nigrescens, 349
Erethizontidae, 349
Erinaceidae, 233
Erinaceus, 233
amurensis, 233
orientalis, 233
erro, Thomasomys, 308
escazuensis, Scotinomys, 322
escuinapae, Heteromys, 292
Liomys, 292
Lynx, 363
esmeraldae, Marmosa, 223
Myotis, 251
esmeraldarum, Nectomys, 305
etensis, Didelphis, 228
Euarctos, 355
perniger, 356
Euderma, 255
maculata, 255
Eumops, 259
milleri, 259, 260
perotis, 259
underwoodi, 259
Euprocyon, 356
proteus, 356
Eutamias, 285
adsitus, 286
affinis, 286
albogularis, 287
amoenus, 286
bulleri, 286
canescens, 287
consobrinus, 286
dorsalis, 287
durangae, 287
frater, 286
lectus, 285
merriami, 287
pricei, 287
propinquus, 286
eva, Peromyscus, 314
Evotomys fuscodorsalis, 330
jochelsoni, 329
excelsus, Sorex, 234
exiguus, Peromyscus, 315

faeceus, Microtus, 332
faradjia, Felis, 364
faradjius, Atelerix, 233
Eptesicus, 254
Leptailurus, 364
Mops, 257
Orycteropus, 367
Otomys, 345
Felidae, 363
Felis, 364
anthonyi, 365
azandicus, 366
braccata, 365
carrikeri, 364
caucensis, 365
faradjia, 364

iturensis, 365
maderiae, 366
maripensis, 364
nicaraguae, 364
panamensis, 365, 373
pardinoides, 365
sanctaemartae, 364
tumatumari, 364
ucayalae, 366
vernayi, 366
femoralis, Perognathus, 291
Fiber pallidus, 330, 373
figginsi, Ochotona, 267
filchneri, Lepus, 268
flaccidus, Peromyscus, 316
flavescens, Eptesicus, 254
flavicens, Oryzomys, 301, 302
flavidus, Petaurus, 232
flaviventris, Caprolagus, 268
florenciae, Choloepus, 266
Microsciurus, 279
Oecomys, 300
Oryzomys, 300
floridanus, Hesperomys, 318
Lepus, 270
Peromyscus, 318
Sylvilagus, 270
forbesi, Pogonomys, 346
formosanus, Callosciurus, 282
fortis, Crocuta, 363
fossor, Thomomys, 289
frater, Chaerephon, 257
Eutamias, 286
Monophyllus, 248
Myotis, 252
Tamias, 286
fraterculus, Artibeus, 250
Zygodontomys, 321
frigicola, Melomys, 342
frustrator, Akodon, 321
fruticicolus, Phyllotis, 323
fuliginosus, Molossus, 259
fulva, Vernaya, 334
fulvescens, Rattus, 339
Reithrodontomys, 311
Sylvilagus, 273
fulvirostris, Oryzomys, 299
fulviventer, Oryzomys, 301
Sigmodon, 325
Tylomys, 309
fulvus, Chiropodomys, 334
fumeus, Ototylomys, 309
Thomasomys, 308
Funambulus riudonensis, 283
Funisciurus, 281
niapu, 281
furva, Chodsigoa, 235
furvus, Peromyscus, 318
Soriculus, 235
fusca, Chilonycteris, 245
fuscata, Mazama, 369
fuscatus, Aepeomys, 308
Heteromys, 293
Thomasomys, 308
fuscipes, Cricetulus, 329
fuscodorsalis, Evotomys, 330
fuscogriseus, Metachirus, 227
Onychomys, 319
Philander, 227
fuscus, Geomys, 288
Phyllotis, 324

gabbi, Sylvilagus, 272
Galidia, 362
dambrensis, 362
gambeli, Peromyscus, 314
gapperi, Clethrionomys, 330
garambae, Eptesicus, 254
gaspensis, Sorex, 234
gaumeri, Adelonycteris, 253
Heteromys, 293
Geocapromys, 351
ingrahami, 351
geoffroyi, Marikina, 264
Oedipomidas, 264
Geomyidae, 288
Geomys, 288
cherriei, 290
fuscus, 288
geronimensis, Peromyscus, 315
gichiganus, Lepus, 268
gichigensis, Phoca, 366
gigantea, Ratufa, 281
gigas, Dinomys, 350
Glaucomys, 288
underwoodi, 288
Glauconycteris, 255
alboguttatus, 255
humeralis, 255
Gliridae, 348
Glironia, 223
aequitorialis, 223
criniger, 223
Glis, 348
petruccii, 348
Glossophaga apolinari, 248
godfreyi, Erethizon, 349
gomphus, Sorex, 234
goweri, Pteropus, 240, 373
gracilis, Reithrodontomys, 313
Spilogale, 361
grahamensis, Sciurus, 281
Tamiasciurus, 281
Grammomys, 335

angolensis, 335
callithrix, 335
grandis, Peromyscus, 318
grangeri, Lepus, 271
Neotoma, 327
Sylvilagus, 271
granti, Rangifer, 370
gravesi, Microtus, 332
Sorex, 234
griseimembra, Aotus, 261
Guerlinguetus, 276
Sciurus, 276
grisescens, Metachirus, 227
Philander, 227
griseus, Sigmodon, 325
Tamias, 285
Zygodontomys, 321
gualea, Mazama, 369
guba, Xenuromys, 342
Guerlinguetus, 274
candelensis, 277
griseimembra, 276
manavi, 276
quindianus, 276
salentensis, 277
venustus, 277
guianae, Cavia, 350
Oryzomys, 301, 319
guianiae, Tapirus, 367
gurganensis, Meriones, 334
gyas, Ursus, 356
Gyomys, 341

habbema, Antechinus, 229
Hydromys, 347
Hadrosciurus, 278
duida, 278
hainana, Paguma, 362
Petaurista, 288
Ratufa, 281
hainanicus, Rattus, 337
hainanus, Atherurus, 349
Callosciurus, 282
Paradoxurus, 362
Rhinolophus, 243
Tamiops, 282
haitiensis, Ardops, 250
Hapalomys, 334
marmosa, 334
Haplomylomys, 313
hatti, Otonyctomys, 309
heinrichi, Hyosciurus, 283
Rattus, 339
Helictis, 360
sorella, 360
Heliosciurus, 281
medjianus, 281
rubricatus, 281
Helogale robusta, 363
helvolus, Oryzomys, 302
Herpailurus, 365
Herpestes, 362
palawanus, 363
rubrifrons, 362
Hesperomys, 323
alfaroi, 295
cherrii, 312
floridanus, 318
indianus, 343
montanus, 323
nebrascensis, 314
niveiventris, 315
nudipes, 317
sonoriensis, 314
hesperus, Oryzomys, 295
Heterohyrax, 367
chapini, 367
Heteromyidae, 290
Heteromys, 293
escuinapae, 292
fuscatus, 293
gaumeri, 293
hispidus, 292
jaliscensis, 292
jesupi, 293
lomitensis, 293
underwoodi, 293
vulcani, 292
Hipposideros, 244
abae, 244
breviceps, 244
cyclops, 245
langi, 245
macrobullatus, 244
nanus, 245
niangarae, 245
niapu, 245
poutensis, 245
hispidus, Heteromys, 292
Histiotus, 254
inambarus, 254
maculatus, 255, 373
Histricidae, 349
Holochilus, 324
venezuelae, 324
holzneri, Mephitis, 360
Sylvilagus, 270
holzworthi, Ursus, 356
homourus, Mus, 344
hondurensis, Peromyscus, 317
Sturnira, 248
hoplomyoides, Hoplomys, 353
Proechimys, 353
Hoplomys, 353
hoplomyoides, 353
truei, 353

howelli, Reithrodontomys, 312
huachuca, Sciurus, 275
hudsoni, Thomasomys, 309
humeralis, Glauconycteris, 255
humpatensis, Tatera, 334
  Taterona, 333
huon, Pogonomys, 346
Hyaenidae, 363
Hydromys, 347
  habbema, 347
  neobrittanicus, 347
Hylopetes, 288
  electilis, 288
Hyosciurus, 283
  heinrichi, 283
  ileile, 293
hyperborea, Ochotona, 267
hypoleuca, Micronycteris, 246
Hyracoidea, 367
hyrcania, Crocidura, 238
  Microtus, 331
Hystrix, 349
  papae, 349

Ichthyomys, 327
  orientalis, 328
  tweedii, 327
Ictidomys, 284
Idionycteris, 255
  mexicanus, 255
Idiurus, 294
  langi, 294
  panga, 294
ileile, Hyosciurus, 283
impavidus, Canis, 355
inambarus, Histiotus, 254
incautus, Myotis, 252
  Vespertilio, 252, 373
incertus, Oryzomys, 295, 297
indianus, Hesperomys, 343
indica, Allactaga, 349
inferior, Rattus, 339
infumata, Dactylopsila, 232
ingrahami, Capromys, 351
  Geocapromys, 351
inopinatus, Sigmodon, 326
Insectivora, 233
inserta, Eira, 359
  Tayra, 359
insolitus, Lepus, 272
  Sylvilagus, 272
insperatus, Arvicola, 330
  Microtus, 330
instabilis, Tamandua, 266
insularis, Artibeus, 249
  Didelphis, 228
  Nesokia, 344
  Sciurus, 281
  Scotophilus, 255
intermedia, Choeroniscus, 248
  Choeronycteris, 248
intermedius, Artibeus, 249
  Phenacomys, 330
  Reithrodontomys, 311
inustus, Leontocebus, 264
iranensis, Lepus, 268
  Meriones, 334
irara, Eira, 360
  Tayra, 360
irazu, Akodon, 322
  Scotinomys, 322
Isothrix rufodorsalis, 353
itigiensis, Mastomys, 336
iturensis, Felis, 365
  Panthera, 365

jalapae, Oryzomys, 294
jaliscensis, Heteromys, 292
  Liomys, 292
jamaicensis, Artibeus, 249
japalae, Mus, 343
jesupi, Chiroderma, 249
  Heteromys, 293
jochelsoni, Clethrionomys, 329
  Evotomys, 329
juliacae, Oxymycterus, 322
juninensis, Marmosa, 227
juruana, Mazama, 369

kagi, Pogonomys, 346
kaleh-peninsularis, Mus, 343
kasaicus, Steatomys, 345
kazakstanicus, Citellus, 284
keaysi, Myotis, 251
  Oryzomys, 297
  Thylamys, 226
keelingensis, Rattus, 337
kelloggi, Sylvilagus, 273
kenaiensis, Ovis, 372
  Ursus, 355, 356
Kerivoula, 256
  muscina, 256
kermiti, Proechimys, 352, 353
khorkoutensis, Microtus, 331
kijabae, Crocidura, 236
kijabius, Mus, 337
  Rattus, 337
klagesi, Marmosa, 224
  Oryzomys, 301
koka, Bunomys, 339
  Rattus, 339
kolymensis, Ochotona, 267

laceyi, Reithrodontomys, 311
Lachnomys, 354
lacus, Rattus, 340

ladewi, Thomasomys, 308
Lagomorpha, 267
lagunetae, Nasua, 357
  Nasuella, 357
Lagurus, 332
  pauperrimus, 332
lalolis, Rattus, 338
lampo, Lenomys, 346
langi, Atelerix, 233
  Colobus, 265
  Cricetomys, 344
  Hipposideros, 245
  Idiurus, 294
  Madoqua, 371
lar, Crocidura, 238
larvatus, Ellobius, 333
latebricola, Microxus, 321
latidens, Lutra, 361
latipes, Melomys, 342
latona, Crocidura, 237
lectus, Eutamias, 285
legendrei, Ellobius, 333
  Nesokia, 344
Leggada, 344
  meator, 344
Lemmus, 329
  chrysogaster, 329
Lemniscomys, 336
  orientalis, 336
Lemur, 261
  sanfordi, 261
Lemuridae, 261
lemurinus, Aotus, 261
Lenomys, 346
  lampo, 346
Lenoxus, 322
  apicalis, 322
  boliviae, 322
Leo azandicus, 366
  vernayi, 366
leonis, Sciurus, 276
Leontocebus inustus, 264
Leopardus, 364
  sanctaemartae, 364
Leporidae, 268
Leptailurus, 364
  faradjius, 364
Leptomys, 347
  signatus, 347
Lepus, 268
  alleni, 269
  attwateri, 272
  aztecus, 271
  battyi, 269
  bishopi, 268
  brevinasus, 268
  cerrosensis, 272
  chapmani, 270
  cinerascens, 272
  comus, 268
  confinis, 271
  deserticola, 269
  durangae, 270
  eremicus, 269, 373
  filchneri, 268
  floridanus, 270
  gichiganus, 268
  grangeri, 271
  insolitus, 272
  iranensis, 268
  mearnsii, 270, 373
  melanotis, 269
  micropus, 270
  mordeni, 268
  parvulus, 272
  phaeonotus, 269
  pinetis, 271
  russatus, 270
  superciliaris, 271
  texianus, 270
  tumacus, 272
leucogaster, Melomys, 342
leucophaeus, Arvicola, 331
  Microtus, 331
leucopus, Marikina, 264
  Oedipomidas, 264
leucorhynchus, Steatomys, 345
leucostictus, Citellus, 284
Liomys, 292
  anthonyi, 292
  escuinapae, 292
  jaliscensis, 292
  pictus, 292
  vulcani, 292
littoralis, Sigmodon, 324
lituratus, Artibeus, 250
lomitensis, Heteromys, 293
  Melanomys, 303
  Oryzomys, 303
Loncheres carrikeri, 353
  castaneus, 354
Lonchophylla, 248
  thomasi, 248
Lonchorhina, 246
  occidentalis, 246
longicaudus, Reithrodontomys, 310
longimembris, Ateles, 264
longipilis, Pseudochirus, 232
longipilosus, Scotinomys, 323
longirostris, Echimys, 354
Lophomops, 258
Lophuromys, 344
  luteogaster, 344
Lorentzimys, 342
  alticola, 342, 343
lotipes, Rattus, 340

loveridgei, Tatera, 333
Loxodonta, 367
  cyclotis, 367
  oxyotis, 367
luctuosus, Myotis, 252
ludia, Crocidura, 237
ludovici, Sturnira, 248
lugens, Callicebus, 261
  Thomasomys, 309
luimbalensis, Crocidura, 237
lukolelae, Praomys, 337
luteiventris, Mus, 338
  Rattus, 338
luteogaster, Lophuromys, 344
lutescens, Akodon, 319
Lutra, 361
  colombiana, 361
  latidens, 361
  sonora, 361
Lynchailurus, 365
  braccatus, 365
Lynx, 363
  escuinapae, 363

Macaca, 265
  mulatta, 265
macconnelli, Oryzomys, 297
  Rhipidomys, 305
macmillani, Pteropus, 241
macrobullatus, Hipposideros, 244
macrocephalus, Pecari, 368
  Tagassu, 368
macrodon, Atilax, 363
Macrogeomys, 290
  carlosensis, 290
  cartagoensis, 290
  cherriei, 290
  matagalpae, 290
Macropodidae, 233
Macropus oriomo, 233
macropygmaeus, Sorex, 234
Macroscelididae, 233
macrotis, Tadarida, 258, 259
Macrotus pygmaeus, 246
macrourus, Pogonomys, 346
maculata, Euderma, 255
maculatus, Histiotus, 255, 373
maculiventer Oryzomys, 297
madeirae, Felis, 366
Madoqua langi, 371
magdalenae, Oryzomys, 296
  Sciurus, 275
major, Phyllonycteris, 250
  Pogonomys, 346
  Thamnomys, 335
malitiosus, Cebus, 263
manavi, Guerlinguetus, 276
  Sciurus, 276
Manidae, 266
Manis, 266
  pusilla, 266, 267
mansumensis, Crocidura, 238
mapiriensis, Marmosa, 224
Margay caucensis, 365, 373
  elenae, 365
  nicaraguae, 364
Marikina, 264
  geoffroyi, 264
  leucopus, 264
  oedipus, 264
maripensis, Felis, 364
  Myotis, 252
Marmosa, 223
  aceramarcae, 227
  alstoni, 224
  areniticola, 223
  bombascarae, 224
  canescens, 225
  carri, 226
  celicae, 226
  chapmani, 225
  cinerea, 223
  dudiae, 224
  esmeraldae, 223
marmosa, Hapalomys, 334
Marmosa juninensis, 227
  klagesi, 224
  mapiriensis, 224
  mexicana, 225
  oroensis, 226
  perplexa, 224
  phaea, 224
  phelpsi, 225
  roraimae, 224
  rubra, 225
  savannarum, 225
  tyleriana, 225
  ucayaliensis, 226
  unduaviensis, 226
  waterhousei, 225
  yungasensis, 226
Marmota, 283
  engelhardti, 283
maros, Rhinolophus, 243
Marsupialia, 223
martirensis, Peromyscus, 317
  Sitomys, 317
  Thomomys, 289
mascotensis, Sigmodon, 324
Mastomys, 336
  itigiensis, 336
matagalpae, Alouatta, 262
  Macrogeomys, 290
  Sciurus, 274
matsika, Phalanger, 231
mattogrossae, Oryzomys, 299

Mazama, 369
americana, 369
fuscata, 369
gualea, 369
juruana, 369
murelia, 370
nemorivaga, 370
sanctaemartae, 370
trinitatis, 369
tumatumari, 369
zamora, 369
mcgregori, Xenothrix, 265
mcilwraithi, Rattus, 340
mearnsi, Perognathus, 290, 373
Sylvilagus, 270
mearnsii, Lepus, 270, 373
Vesperimus, 316
meator, Leggada, 344
Mus, 344
medjianus, Heliosciurus, 281
Megadontomys, 318
megalotis, Reithrodontomys, 310
melanogenys, Meles, 360
Melanomys, 302
buenavistae, 303
lomitensis, 303
monticola, 303
oroensis, 302
tolimensis, 303
vallicola, 303
melanops, Scolomys, 304
melanotis, Lepus, 269
Peromyscus, 315
Meles, 360
melanogenys, 360
melleus, Oecomys, 302
Oryzomys, 302
Melogale, 360
sorella, 360
Melomys, 341
albidens, 341
bunya, 341
capensis, 342
frigicola, 342
latipes, 342
leucogaster, 342
niviventer, 342
sevia, 343
shawi, 341
sturti, 341
tafa, 341
mengkoka, Rattus, 338
Mephitis, 360
holzneri, 360
meridensis, Akodon, 320
Meriones, 334
gurganensis, 334
iranensis, 334
merriami, Dipodomys, 291, 373
Eutamias, 287
Perognathus, 290
Tamias, 287
Ursus, 356
Mesoplodon bowdoini, 354
Mesosciurus baudensis, 275, 373
valdiviae, 276
Metachirus, 227
antioquiae, 227
colombianus, 227
fuscogriseus, 227
grisescens, 227
tschudii, 227
meticulosus, Seniocebus, 264
mexicana, Marmosa, 225
Micronycteris, 246
Tamandua, 266
mexicanus, Idionycteris, 255
Oryzomys, 294, 295
microbullatus, Rattus, 339
microdon, Phalanger, 231
Xenogale, 363
Microhydromys, 347
richardsoni, 347
Micronycteris, 246
hypoleuca, 246
mexicana, 246
minuta, 246
pusilla, 246
micropus, Lepus, 270
Microryzomys, 299
Microsciurus, 278
alfari, 278
alticola, 279
florenciae, 279
peruanus, 279
sabanillae, 279
septentrionalis, 278
similis, 279
microtis, Oryzomys, 299
Putorius, 359
Microtus, 330
artemisiae, 332
aztecus, 330
cautus, 331
drummondii, 330
faeceus, 332
gravesi, 332
hyrcania, 331
insperatus, 330
khorkoutensis, 331
leucophaeus, 331
mogollonensis, 331
rubellus, 332
semicanus, 332
stonei, 330
vellerosus, 331

Microxus, 321
affinis, 320
latebricola, 321
milleri, Eumops, 259, 260
Myoprocta, 351
Oecomys, 300
Oryzomys, 300
Pithecia, 261
Promops, 259
Reithrodontomys, 312
Rhipidomys, 306
Sciurus, 276
milne-edwardsii, Capricornis, 371
mimicus, Phalanger, 231
mincae, Echimys, 351
Oecomys, 301
Oryzomys, 301
Proechimys, 351
Miniopterus, 256
parvipes, 256
vicinior, 256
minnesota, Sciurus, 279
Tamiasciurus, 279
minor, Praomys, 336
Rattus, 337
minuta, Micronycteris, 246
Tonatia, 247
minutus, Mormopterus, 258
Nyctinomus, 258
missoulae, Oreamnos, 372
modesta, Tupaia, 260
modestus, Oryzomys, 296
Reithrodontomys, 311
mogollonensis, Arvicola, 331
Microtus, 331
Sciurus, 280
Tamiasciurus, 280
mollicomulus, Rattus, 338
mollipilosus, Oryzomys, 296
mollissimus, Rhipidomys, 306
molossa, Tadarida, 259
Molossidae, 256
Molossus, 260
bondae, 260
cherriei, 260
coibensis, 260
daulensis, 260
fuliginosus, 259
perotis, 259
sinaloae, 260
verrilli, 260
Monodelphis, 223
orinoci, 223
Monophyllus, 248
frater, 248
montanus, Hesperomys, 323
monticola, Melanomys, 303
Oryzomys, 303
monticolus, Neusticomys, 328
montinus, Capricornis, 371
montivaga, Blarina, 235
Cryptotis, 236
Mops, 256
chitauensis, 256
congicus, 256
faradjius, 257
manulus, 257
niangarae, 256
occipitalis, 257
osborni, 257
trevori, 256, 373
mordeni, Crocidura, 238
Lepus, 268
morgani, Eligmodontia, 323
Mormopterus, 258
minutus, 258
peruanus, 258
morrisi, Petinomys, 288
Pteromys, 288
mossamedensis, Elephantulus, 233
mulatta, Macaca, 265
munchiquensis, Oryzomys, 299
Mungos palawanus, 363
rubrifrons, 362
Muntiacus, 368
nigripes, 368
murelia, Mazama, 370
mureliae, Oryzomys, 297
Murexia, 230
rothschildi, 230
Muridae, 334
Mus, 343
albocinereus, 341
brevirostris, 343
homourus, 344
japalae, 343
kaleh-peninsularis, 343
kijabius, 337
luteiventris, 338
meator, 344
musculus, 343
pyrrhorhinus, 300
tantillus, 344
muscina, Kerivoula, 256
musculus, Mus, 343
Mustela, 358
arizonensis, 359
boliviensis, 359
effera, 359
nicaraguae, 359
pygmaea, 359
richardsonii, 359
spadix, 358
texensis, 359
Mustelidae, 358

Myomys, 336
phippsi, 336
Myoprocta, 351
demararae, 351
milleri, 351
Myospalax, 329
cansus, 329
Myotalpa rufescens, 329
Myotis, 250
bondae, 250
caucensis, 251
chiriquensis, 251
chrysonotus, 252
durangae, 252
esmeraldae, 251
frater, 252
incautus, 252
keaysi, 251
luctuosus, 252
maripensis, 251
nigricans, 250–252
punensis, 251
velifer, 252
yumanensis, 252
Myrmecophagidae, 265

nairobae, Arvicanthis, 336
nanulus, Mops, 257
nanus, Hipposideros, 245
narica, Nasua, 357
Nasua, 357
bullata, 357
dichromatica, 357
lagunetae, 357
narica, 357
pallida, 357
panamensis, 357
phaeocephala, 357
yucatanica, 357
Nasuella, 357
lagunetae, 357
nasutus, Peromyscus, 317
Vesperimus, 317
Natalidae, 250
Natalus, 250
primus, 250
nator, Oryzomys, 294
navaritensis, Sciurus, 275
Neacomys, 304
pusillus, 304
tenuipes, 304
nebrascensis, Hesperomys, 314
Nectomys, 304
alfari, 304, 305
esmeraldarum, 305
palmipes, 304
tatei, 304
nemorivaga, Mazama, 370
neobrittanicus, Hydromys, 347
Uromys, 342
Neosciurus, 274
Neotetracus, 233
cuttingi, 233
Neotoma, 326
anthonyi, 327
arizonae, 327
attwateri, 326
campestris, 326
canescens, 326
chrysomelas, 327
cinnamomea, 327
durangae, 327
grangeri, 327
orolestes, 327
rupicola, 327
Nesokia, 344
insularis, 344
legendrei, 344
Neusticomys, 328
monticolus, 328
niangarae, Hipposideros, 245
Mops, 256
niapu, Funisciurus, 281
Hipposideros, 245
nicaraguae, Conepatus, 361
Felis, 364
Margay, 364
Mustela, 359
Oryzomys, 298
Peromyscus, 318
Tonatia, 246
niger, Tagassu, 368
Tayassu, 368
nigrescens, Blarina, 236
Cricetulus, 328
Cryptotis, 236
Erethizon, 349
nigricans, Myotis, 250–252
nigripectus, Cebus, 263
nigripes, Muntiacus, 368
nikolskii, Citellus, 284
nimbosus, Oryzomys, 298
nitela, Rhipidomys, 306
nitendiensis, Pteropus, 241
nivalis, 359
nivatus, Rhynchonax, 240
Uropsilus, 240
niveiventris, Hesperomys, 315
Peromyscus, 315
nivicola, Ovis, 372
niviventer, Melomys, 342
Noctifelis, 364
novaeguinae, Planigale, 229
nudipes, Hesperomys, 317
Peromyscus, 317
nuuanu, Tursiops, 354

Nyctalus, 253
velutinus, 253
Nycteridae, 242
Nycteris, 242
avakubia, 242
pallida, 242
Nyctinomus, 258
aequatorialis, 258
minutus, 258
ochraceus, 258

obscurior, Pseudochirus, 232
obscurus, Dipodomys, 291
Perodipus, 291
obtusirostris, Oryzomys, 297
occidentalis, Lonchorhina, 246
Pseudohydromys, 347
occipitalis, Mops, 257
ochotensis, Phoca, 366
Ochotona, 267
cinnamomea, 267
coreana, 267
coreanus, 267
figginsi, 267
hyperborea, 267
kolymensis, 267
osgoodi, 267
Ochotonidae, 267
ochraceus, Nyctinomus 258
Oryzomys, 305
ochrogaster, Rhipidomys, 306
o'connelli, Oryzomys, 297
Proechimys, 352
ocotepequensis, Reithrodontomys, 312
octomastis, Praomys, 337
Odocoileus, 368
battyi, 368
chiriquensis, 369
sinaloae, 368
Oecomys, 300
auyantepui, 302
caicarae, 300, 373
emiliae, 306
florenciae, 300
melleus, 302
milleri, 300
mincae, 301
phelpsi, 300, 319
pyrrhorhinus, 300
rutilus, 300
Oedipomidas geoffroyi, 264
leucopus, 264
salaquiensis, 264
oedipus, Marikina, 264
Oligoryzomys, 298
olivacea, Cryptotis, 236
olivaceus, Blarina, 236
Cryptotis, 236
Spermophilus, 284
onca, Panthera, 366
Oncilla, 364
Oncilla elenae, 365
oncilla, 364
oncilla, Oncilla, 364
Oncoides tumatumari, 364
Ondatra, 330
pallida, 330
Onychomys, 319
fuscogriseus, 319
oppossum, Philander, 227
Oreamnos, 372
columbiae, 372
columbianus, 372
missoulae, 372
oreas, Thomasomys, 308
orientalis, Civettictis, 362
Ellobius, 333
Erinaceus, 233
Ichthyomys, 328
Lemniscomys, 336
Peromyscus, 318
orinoci, Monodelphis, 223
oriomo, Echymipera, 230
Macropus, 233
Thylogale, 233
oritis, Crocidura, 236
oriundus, Sylvisorex, 239
oroensis, Marmosa, 226
Melanomys, 302
Oryzomys, 302
orolestes, Neotoma, 327
orophila, Blarina, 236
Cryptotis, 236
Orycteropodidae, 367
Orycteropus, 367
faradjius, 367
Oryzomys, 294
affinis, 303
alfaroi, 295
alleni, 296
aquaticus, 295
auyantepui, 302
barbacoas, 305
baroni, 298
brevicauda, 321
buenavistae, 303
bulleri, 295
caicarae, 300
carrikeri, 295
cherriei, 320
chrysomelas, 302
columbianus, 304
costaricensis, 298
couesi, 294
creper, 298
delicatus, 298

flavicens, 301, 302
florenciae, 300
fulvirostris, 299
fulviventer, 301
guianae, 301, 319
helvolus, 302
hesperus, 295
incertus, 295, 297
jalapae, 294
keaysi, 297
klagesi, 301
lomitensis, 303
macconnelli, 297
maculiventer, 297
magdalenae, 296
mattogrossae, 299
melleus, 302
mexicanus, 294, 295
microtis, 299
milleri, 300
mincae, 301
modestus, 296
mollipilosus, 296
monticola, 303
munchiquensis, 299
mureliae, 297
natator, 294
nicaraguae, 298
nimbosus, 298
obtusirostris, 297
ochraceus, 305
o'connelli, 297
oroensis, 302
palmirae, 296
palmarius, 301
pectoralis, 297
pyrrhorhinus, 300
reventazoni, 298
richardsoni, 294
rutilus, 300
sanctaemartae, 321
speciosus, 300
subulatus, 302
talamancae, 295
tenuicauda, 306
tenuipes, 299
texensis, 294
tolimensis, 303
trichurus, 301
trinitatis, 301
utiaritensis, 299
vallicola, 303
velutinus, 296
vicencianus, 302
villosus, 297
osborni, Capricornis, 371
Chaerephon, 257
Mops, 257
Rangifer, 370
Osbornictis, 361
piscivora, 361
osgoodi, Ochotona, 267
Peromyscus, 314
osilae, Phyllotis, 323
Otomys, 345
cuanzensis, 345
faradjius, 345
Otonyctomys, 309
hatti, 309
Otospermophilus, 285
Ototylomys, 309
fumeus, 309
ottleyi, Thomasomys, 309
Ovis, 372
kenaiensis, 372
nivicola, 372
stonei, 372
storcki, 372
owstoni, Sciurotamias, 283
Oxymycterus, 322
apicalis, 322
juliacae, 322
oxyotis, Loxodonta, 367

pacificus, Reithrodontomys, 313
pagi, Rhinolophus, 244
Paguma, 362
hainana, 362
palawanus, Herpestes, 363
Mungos, 363
palembang, Rattus, 337
pallescens, Peromyscus 314
pallida, Nasua, 357
Nycteris, 242
Ondatra, 330
pallidus, Citellus, 285
Fiber, 330, 373
Reithrodontomys, 310
palmarius, Oryzomys, 301
palmarum, Artibeus, 249
palmipes, Nectomys, 304
palmirae, Oryzomys, 296
panamensis, Felis, 365, 373
Nasua, 357
Phyllostomus, 247
panga, Idiurus, 294
Panthera, 365
iturensis, 365
onca, 366
papae, Acanthion, 349
Hystrix, 249
Paradoxurus hainanus, 362
paradoxus, Perognathus, 291
Paraleptomys, 347
wilhelmina, 347
Paramelomys, 341

Paranyctimene, 241
raptor, 241
parca, Chodsigoa, 235
parcus, Rhinolophus, 243
pardinoides, Felis, 365
parva, Chodsigoa, 235
parvidens, Cynomys, 283
parvipes, Miniopterus, 256
parvulus, Lepus, 272
Sylvilagus, 272
parvus, Citellus, 285
Soriculus, 235
Spermophilus, 285
paulus, Baiomys, 318
Peromyscus, 318
pauperrimus, Lagurus, 332
pearyi, Rangifer, 370
Pecari macrocephalus, 368
pectoralis, Oryzomys, 297
pegasis, Seniocebus, 264, 373
pelengensis, Phalanger, 231
peninsulae, Citellus, 285
Phalanger, 231
Tamias, 285
peninsularis, Peromyscus, 315
peramelidae, 230
Peramys dorsalis, 223
Perissodactyla, 367
perniger, Euarctos, 356
Ursus, 356
pernigra, Didelphis, 228
Perodipus obscurus, 291
Perognathus, 290
conditi, 291
femoralis, 291
mearnsi, 290, 373
merriami, 290
paradoxus, 291
pricei, 291
sanluisi, 290
Peromyscus, 313, 314
arizonae, 316
artemesiae, 314
attwateri, 316
auripectus, 313
banderanus, 318
brunneus, 319
cedrosensis, 313
cineritius, 315
difficilis, 317
dubius, 314
eva, 314
exiguus, 315
flaccidus, 316
floridanus, 318
furvus, 318
gambeli, 314
geronimensis, 315
grandis, 318
hondurensis, 317
martirensis, 317
melanotis, 315
nasutis, 317
nicaraguae, 318
niveiventris, 315
nudipes, 317
orientalis, 318
osgoodi, 314
pallescens, 314
peninsularis, 315
polionotus, 315
propinquus, 314
rowleyi, 316
saxatilis, 318
spicilegus, 316
subarcticus, 314
texanus, 316
tornillo, 316
tropicalis, 317
yucatanicus, 318
Peropteryx, 241
trinitatis, 241
perotis, Eumops, 259
Molossus, 259
perplexa, Marmosa, 224
perspicillifer, Saccopteryx, 241
peruana, Anoura, 248
peruanus, Dactylomys, 354
Microsciurus, 279
Mormopterus, 258
Sciurus, 279
Sigmodon, 326
pervigilis, Aotus, 261, 373
Petaurista, 287
hainana, 288
rufipes, 287
stockleyi, 288
Petaurus, 231
flavidus, 232
tafa, 231, 232
Petinomys, 288
morrisi, 288
petruccii, Glis, 348
phaea, Marmosa, 224
phaeocephala, Nasua, 357
phaeonotus, Lepus, 269
phaeopus, Crocidura, 238
Sciurus, 274
phaeurus, Sciurus, 274
Phaiomys, 332
Phalanger, 230
atrimaculatus, 231
brevinasus, 230
matsika, 231
microdon, 231
mimicus, 231

pelengensis, 231
peninsulae, 231
togianus, 231
Phalangeridae, 230
Phascogale rona, 229
rothschildi, 230
tafa, 228
whartoni, 229
Phascolosorex, 229
whartoni, 229
phelpsi, Marmosa, 225
Oecomys, 300, 319
Phenacomys, 330
constablei, 330
intermedius, 330
Philander, 227
fuscogriseus, 227
grisescens, 227
opossum, 227
phippsi, Aethomys, 336
Myomys, 336
Phoca, 366
gichigensis, 366
ochotensis, 366
Phocaena, 355
truei, 355
Phocaenidae, 355
Phocaenoides, 355
truei, 355
Phocidae, 366
Pholidota, 266
Phylloderma, 247
septentrionalis, 247
Phyllonycteris, 250
major, 250
Phyllops, 250
vetus, 250
Phyllostomatidae, 245
Phyllostomus, 247
caurae, 247
panamensis, 247
Phyllotis, 323
andium, 323
decoloratus, 324
definitus, 324
fruticicolus, 323
fuscus, 324
osilae, 323
pictus, 324
pictus, Liomys, 292
Phyllotis, 324
pinalis, Sitomys, 316
pinetis, Lepus, 271
Sylvilagus, 271
Pinnipedia, 366
Pipistrellus, 253
abaensis, 253
anthonyi, 253
portensis, 253
piscivora, Osbornicitis, 361
Pithecia, 261
albinasa, 262
milleri, 261
Pithecus brachyurus, 265
brevicaudus, 265
Planigale, 229
novaeguinae, 229
poasensis, Sciurus, 279
Syntheosciurus, 279
Podomys, 318
Podoxymys, 322
roraimae, 322
Pogonomelomys, 343
brassi, 343
rümmleri, 343
sevia, 343
Pogonomys, 346
derimapa, 346
forbesi, 346
huon, 346
kagi, 346
macrourus, 346
major, 346
satisfactus, 346
polia, Crocidura, 237
polionotus, Peromyscus, 315
popayanus, Thomasomys, 307
portensis, Pipistrellus, 253
Potos, 358
caucensis, 358
chapadensis, 358
chiriquensis, 358
tolimensis, 358
potrerograndei, Reithrodontomys, 312
poutensis, Hipposideros, 245
Praomys, 336
lukolelae, 337
minor, 336
octomastis, 337
pricei, Eutamias, 287
Perognathus, 291
Tamias, 287
Primates, 260
primus, Natulus, 250
princeps, Zapus, 348
Proboscidea, 367
Procavia chapini, 367
Procaviidae, 367
Procyon, 356
aequatorialis, 356, 373
proteus, 356
Procyonidae, 356
Proechimys, 351
amphichoricus, 352
arabupu, 351
boimensis, 352

canicollis, 353
hoplomyoides, 353
kermiti, 352, 353
mincae, 351
o'connelli, 352
riparum, 352, 373
trinitatis, 352
urichi, 352
Promops affinis, 259
barbatus, 260
milleri, 259
propinquus, Eptesicus, 253
Eutamias, 286
Peromyscus, 314
proteus, Euprocyon, 356
Procyon, 356
Pseudocheirus, 232
cinereus, 232
cupreus, 232
Pseudochirus longipilis, 232
obscurior, 232
Pseudohydromys, 347
occidentalis, 347
Pseudomys, 341
albo-cinereus, 341
Pteromys electilis, 288
morrisi, 288
Pteronotus, 246
centralis, 246
suapurensis, 246
Pteropidae, 240
Pteropus, 240
banksiana, 241
goweri, 240, 373
macmillani, 241
nitendiensis, 241
tokudae, 241
Puma, 365
pumilio, Elephas, 367
punensis, Dasypterus, 255
Myotis, 251
Tamandua, 265
pusilla, Manis, 266, 267
Micronycteris, 246
pusillus, Neacomys, 304
Putorius arizonensis, 358
microtis, 359
pygmaeus, 359
spadix, 358
pygmaea, Mustela, 359
pygmaeus, Macrotus, 246
Putorius, 359
pyrrhorhinus, Mus, 300
Oecomys, 300
Oryzomys, 300

quebradensis, Sciurus, 277
quindianus, Guerlinguetus, 276
Rhipidomys, 305
Sciurus, 276
quinquestriatus, Callosciurus, 282

randi, Conilurus, 335
Rangifer, 370
granti, 370
osborni, 370
pearyi, 370
stonei, 370
terraenovae, 371
rapax, Crocidura, 238
raptor, Paranyctimene, 241
Rattus, 337
arcuatus, 338
aspinatus, 340
brachyrhinus, 340
brevimolaris, 339
celsus, 338
cooktownensis, 340
fulvescens, 339
hainanicus, 337
heinrichi, 339
inferior, 339
keelingensis, 337
kijabius, 337
koka, 339
lacus, 340
lalolis, 338
lotipes, 340
luteiventris, 338
mcilwraithi, 340
mengkoka, 338
microbullatus, 339
minor, 337
mollicomulus, 338
palembang, 337
richardsoni, 340
salocco, 338
tullbergi, 337
vulpicolor, 339
Ratufa, 281
gigantea, 281
hainana, 281
Reithrodontomys, 310
anthonyi, 313
arizonensis, 310
australis, 311
aztecus, 310
brevirostris, 312
cherriei, 312
cherrii, 312
costaricensis, 312
dychei, 310
fulvescens, 311
gracilis, 313
howelli, 312
intermedius, 311

laceyi, 311
longicaudus, 310
megalotis, 310
milleri, 312
modestus, 311
ocotepequensis, 312
pacificus, 313
pallidus, 310
potrerograndei, 312
rodriguezi, 313
rufescens, 311
saturatus, 310
sestinensis, 310
sumichrasti, 311
underwoodi, 311
reventazoni, Oryzomys, 298
rex, Rhinolophus, 244
Rhinolophidae, 242
Rhinolophus, 242
abae, 242
axillaris, 242
caldwelli, 243
calidus, 242
episcopus, 243
hainanus, 243
maros, 243
pagi, 244
parcus, 243
rex, 244
robertsi, 244
ruwenzorii, 244
spurcus, 243
Rhipidomys, 305
caucensis, 306
cocalensis, 305
couesi, 305
emiliae, 306
macconnelli, 305
milleri, 306
mollissimus, 306
nitela, 306
ochrogaster, 306
quindianus, 305
similis, 305
tenuicauda, 306
yuruanus, 306
Rhombomys, 334
sodalis, 334
Rhynchonax atronates, 239
nivatus, 240
Rhynchotragus, 371
cavendishi, 371
richardsoni, Artibeus, 249
Bassaricyon, 358
Coendu, 350
Dipodomys, 291
Dipodops, 291
Microhydromys, 347
Oryzomys, 294
Rattus, 340
richardsonii, Mustela, 359
riparum, Proechimys, 352, 373
riudonensis, Dremomys, 283
Funambulus, 283
riudoni, Tamiops, 282
robertsi, Rhinolophus, 244
robusta, Helogale, 363
robustus, Ateles, 264
Rodentia, 274
rodriguezi, Reithrodontomys, 313
rona, Phascogale, 229
roosevelti, Cacajao, 262
roraimae, Marmosa, 224
Podoxymys, 322
rothschildi, Elephas, 367
Murexia, 230
Phascogale, 230
rowleyi, Peromyscus, 316
Sitomys, 316
rubellus, Eothenomys, 332
Microtus, 332
rubicunda, Alouatta, 262
rubra, Marmosa, 225
rubricatus, Heliosciurus, 281
rubrifrons, Herpestes, 362
Mungos, 362
rufescens, Myotalpa, 329
Reithrodontomys, 311
Thomomys, 289
rufigenis, Sminthopsis, 229
rufipes, Petaurista, 287
rufodorsalis, Diplomys, 353
Isothrix, 353
rümmleri, Pogonomelomys, 343
rupestris, Citellus, 285
rupicola, Neotoma, 327
rusbyi, Artibeus, 250
russatus, Chaerephon, 257
Lepus, 270
Sylvilagus, 270
rutilus, Oecomys, 300
Oryzomys, 300
ruwenzorii, Rhinolophus, 244

sabanillae, Microsciurus, 279
Saccopteryx, 241
bilineata, 241
perspicillifer, 241
Saimiri, 263
caquetensis, 263
salaquensis, Sciurus, 275, 276
salaquiensis, Oedipomidas, 264
salentensis, Guerlinguetus, 277
Sciurus, 277
salentus, Sylvilagus, 273
salocco, Rattus, 338

saltator, Zapus, 348
saltitans, Sciurotamias, 283
sanctaemartae, Coendou, 349
  Felis, 364
  Leopardus, 364
  Mazama, 370
  Oryzomys, 321
  Zygodontomys, 321
sanfordi, Lemur, 261
sanluisi, Perognathus, 290
satisfactus, Pogonomys, 346
saturatus, Akodon, 319
  Chalcomys, 319
  Reithrodontomys, 310
saurophila, Tonatia, 247
sauteri, Callosciurus, 282
  Tamiops, 282
savannarum, Marmosa, 225
saxatilis, Peromyscus, 318
Scalops australis, 240
  texanus, 240
Scalopus, 240
  alleni, 240
  australis, 240
  texanus, 240
Scapanus, 240
  anthonyi, 240
schoutedeni, Thamnomys, 335
Sciuridae, 274
Sciurotamias, 283
  owstoni, 283
  saltitans, 283
Sciurus, 274
  albolimbatus, 280
  alfari, 278
  alstoni, 274, 275
  apache, 275
  barberi, 274
  beebei, 282
  bondae, 275
  californicus, 280
  candelensis, 277
  caucensis, 277
  cervicalis, 274
  chapmani, 277
  dakotensis, 280
  duida, 278
  grahamensis, 281
  griseimembra, 276
  huachuca, 275
  insularis, 281
  leonis, 276
  magdalenae, 275
  manavi, 276
  matagalpae, 274
  milleri, 276
  minnesota, 279
  mogollonensis, 280
  navaritensis, 275
  peruanus, 279
  phaeopus, 274
  phaeurus, 274
  poasensis, 279
  quebradensis, 277
  quindianus, 276
  salaquensis, 275, 276
  salentensis, 277
  similis, 279, 373
  splendidus, 275
  streatori, 280
  tepicanus, 274
  urucumus, 278
  valdiviae, 276
  vancouverensis, 280
  venustus, 277
  zamorae, 278
  zarumae, 278
Scolomys, 304
  melanops, 304
Scotinomys, 322
  cacabatus, 322
  endersi, 323
  escazuensis, 322
  irazu, 322
  longipilosus, 323
Scotophilus, 255
  consobrinus, 255
  insularis, 255
scottii, Urocyon, 355
semicanus, Alticola, 332
  Microtus, 332
seniculus, Alouatta, 262, 263
senilis, Eira, 360
  Tayra, 360
Seniocebus meticulosus, 264
  pegasis, 264, 373
sennetti, Dipodomys, 292
  Dipodops, 292
septentrionalis, Microsciurus, 278
  Phylloderma, 247
sestinensis, Reithrodontomys, 310
sevia, Melomys, 343
  Pogonomelomys, 343
shawi, Melomys, 341
Sigmodon, 324
  arizonae, 324
  baileyi, 325
  borucae, 325
  chiriquensis, 325
  chonensis, 326
  colimae, 324
  fulviventer, 325
  griseus, 325
  inopinatus, 326
  littoralis, 324
  mascotensis, 324

peruanus, 326
vulcani, 325
zanjonensis, 325
Sigmodontomys, 304
alfari, 304
signatus, Leptomys, 347
silvestris, Thomasomys, 308
similis, Microsciurus, 279
Rhipidomys, 305
Sciurus, 279, 373
Simosciurus, 278
sinaloae, Molossus, 260
Odocoileus, 368
sinicus, Coelops, 245
Sitomys arizonae, 316
auripectus, 313
martirensis, 317
pinalis, 316
rowleyi, 316
subgriseus, 315
thurberi, 314
Sminthopsis, 229
rufigenis, 229
sodalis, Rhombomys, 334
sonora, Lutra, 361
sonoriensis, Hesperomys, 314
sorella, Helictis, 360
Melogale, 360
Sorex, 234
buxtoni, 234
excelsus, 234
gaspensis, 234
gomphus, 234
gravesi, 234
macropygmaeus, 234
ugyunak, 234
Soricidae, 234
Soriculus, 235
furvus, 235
parvus, 235
umbrinus, 235
spadix, Mustela, 358
Putorius, 358
speciosus, Oryzomys, 300
Spermophilus olivaceus, 284
parvus, 285
spicilegus, Peromyscus, 316
Spilogale, 361
arizonae, 361
gracilis, 361
splendidus, Sciurus, 275
spurcus, Rhinolophus, 243
squamipes, Anourosorex, 239
Blarina, 236
Cryptotis, 236
Steatomys, 345
angolensis, 345
bradleyi, 345
kasaicus, 345
leucorhynchus, 345
stockleyi, Petaurista, 288
stonei, Citellus, 284
Microtus, 330
Rangifer, 370
Ovis, 372
storcki, Ovis, 372
streatori, Sciurus, 280
Tamiasciurus, 280
Sturnira, 248
hondurensis, 248
ludovici, 248
sturti, Melomys, 341
Stylodipus, 348
andrewsi, 348
suapurensis, Dermonotus, 246
Pteronotus, 246
suaveolens, Crocidura, 238
subarcticus, Peromyscus, 314
subgriseus, Sitomys, 315
subnubis, Thomasomys, 305
subulatus, Oryzomys, 302
sumichrasti, Reithrodontomys, 311
superciliaris, Lepus, 271
Sylvilagus, 271
Sylvicapra, 371
vernayi, 371
Sylvilagus, 270
actecus, 271
aquaticus, 272
boylei, 271
cerrosensis, 272
chapmani, 270
chillae, 273
cinerascens, 272
confinis, 271
consobrinus, 273
daulensis, 273
floridanus, 270
fulvescens, 273
gabbi, 272
grangeri, 271
holzneri, 270
insolitus, 272
kelloggi, 273
mearnsi, 270
parvulus, 272
pinetis, 271
russatus, 270
salentus, 273
superciliaris, 271
Sylvisorex, 239
oriundus, 239
Synaptomys, 329
andersoni, 329
chapmani, 329
dalli, 329

Syntheosciurus, 279
poasensis, 279

Tadarida, 258
cynocephala, 259
macrotis, 258, 259
molossa, 259
tafa, Antechinus, 228
Melomys, 341
Petaurus, 231, 232
Phascogale, 228
Tagassu, 368
beebei, 368
macrocephalus, 368
niger, 368
talamancae, Oryzomys, 295
Talpidae, 239
Tamandua, 265
chapadensis, 265
chiriquensis, 265
instabilis, 266
mexicana, 266
punensis, 265
tenuirostris, 266
Tamias, 285
affinis, 286
bulleri, 286
frater, 286
griseus, 285
merriami, 287
peninsulae, 285
pricei, 287
wortmani, 285
Tamiasciurus, 279
albolimbatus, 280
columbiensis, 280
dakotensis, 280
grahamensis, 281
minnesota, 279
mogollonensis, 280
streatori, 280
vancouverensis, 280
Tamiops, 282
hainanus, 282
riudoni, 282
sauteri, 282
tantillus, Mus, 344
Taphozous, 242
troughtoni, 242
tapirapoanus, Akodon, 320
Zygodontomys, 320
Tapiridae, 367
Tapirus, 367
guianiae, 367
tatei, Caenolestes, 230
Nectomys, 304
Tatera, 333
beniensis, 333
humpatensis, 334
loveridgei, 333
taylori, 333
Taterillus, 334
antonyi, 334
Taterona humpatensis, 333
Tayassu, 368
beebei, 368
niger, 368
Tayassuidae, 367
taylori, Tatera, 333
Tayra inserta, 359
irara, 360
senilis, 360
tenuicauda, Oryzomys, 306
Rhipidomys, 306
tenuipes, Neacomys, 304
Oryzomys, 299
tenuirostris, Tamandua, 266
Teonoma, 327
tepicanus, Sciurus, 274
terraenovae, Rangifer, 371
texanus, Peromyscus, 316
Scalops, 240
Scalopus, 240
texensis, Mustela, 359
Oryzomys, 294
texianus, Lepus, 270
Thamnomys, 335
callithrix, 335
major, 335
schoutedenia, 335
thomasi, Lonchophylla, 248
Thomasomys, 307
altorum, 307
auricularis, 307
australis, 309
bombycinus, 307
caudivarius, 308
cinereiventer, 307
cinnameus, 309
contradictus, 307
dispar, 307
erro, 308
fumeus, 308
fuscatus, 308
hudsoni, 309
ladwei, 308
lugens, 309
oreas, 308
ottleyi, 309
popayunas, 307
silvestris, 308
subnubis, 305
Thomomys, 289
aureus, 289
cervinus, 289
fossor, 289

martirensis, 289
rufescens, 289
toltecus, 289
Thrinacodus, 354
apolinari, 354
thurberi, Sitomys, 314
Thylamys carri, 226
keaysi, 226
Thylogale, 233
oriomo, 233
tjaderi, Tragelaphus, 371
togianus, Phalanger, 231
tokudae, Pteropus, 241
tolimae, Akodon, 320
tolimensis, Melanomys, 303
Oryzomys, 303
Potos, 358
toltecus, Thomomys, 289
Tonatia, 246
amblyotis, 247
carrikeri, 247
minuta, 247
nicaraguae, 246
saurophila, 247
tornillo, Peromyscus, 316
Tragelaphus, 371
delamerei, 371
tjaderi, 371
trevori, Mops, 256, 373
trichurus, Oryzomys, 301
trinitatis, Echimys, 352
Mazama, 369
Oryzomys, 301
Peropteryx, 241
Proechimys, 352
tropicalis, Peromyscus, 317
troughtoni, Taphozous, 242
truei, Hoplomys, 353
Phocaena, 355
Phocaenoides, 355
tschudii, Metachirus, 227
Tubulidentata, 367
tullbergi, Rattus, 337
tumacus, Lepus, 272
tumatumari, Felis, 364
Mazama, 369
Oncoides, 364
Tupaia, 260
modesta, 260
Tupaiidae, 260
turkmeni, Allactaga, 349
Tursiops, 354
nuuanu, 354
tweedii, Ichthyomys, 327
tyleriana, Marmosa, 225
Tylomys, 309
couesi, 305
fulviventer, 309
ucayalae, Felis, 366
ucayaliensis, Marmosa, 226
ugyunak, Sorex, 234
umbrinus, Soriculus, 235
underwoodi, Eumops, 259
Glaucomys, 288
Heteromys, 293
Reithrodontomys, 311
unduaviensis, Marmosa, 226
uichi, Akodon, 320
Echimys, 352
Proechimys, 352
Urocyon, 355
scottii, 355
venezuelae, 355
Uromys, 342
neobrittanicus, 342
Uropsilus, 239
andersoni, 239
nivatus, 240
Ursidae, 355
Ursus, 356
andersoni, 356
gyas, 356
holzworthi, 356
kenaiensis, 355, 356
merriami, 356
perniger, 356
urucuma, Dasyprocta, 351
urucumus, Sciurus, 278
utiaritensis, Oryzomys, 299

valdiviae, Mesosciurus, 276
Sciurus, 276
vallicola, Melanomys, 303
Oryzomys, 303
vancouverensis, Sciurus, 280
Tamiasciurus, 280
velifer, Myotis, 252
Vespertilio, 252
vellerosus, Microtus, 331
velutinus, Nyctalus, 253
Oryzomys, 296
venezuelae, Cavia, 350
Daptomys, 328
Holochilus, 324
Urocyon, 355
venezuelensis, Akodon, 320
venustus, Guerlinguetus, 277
Sciurus, 277
Vernaya, 334
fulva, 334
vernayi, Aethomys, 336
Callosciurus, 282
Dendromus, 345
Felis, 366
Leo, 366
Sylvicapra, 371

verrilli, Molossus, 260
Vesperimus difficilis, 317
  mearnsii, 316
  nasutus, 317
Vespertilio chrysonotus, 252
  incautus, 252, 373
  velifer, 252
Vespertilionidae, 250
vetus, Phyllops, 250
vicencianus, Oryzomys, 302
vicinior, Miniopterus, 256
villosus, Oryzomys, 297
Viverridae, 361
vorax, Corcidura, 239
vulcani, Heteromys, 292
  Liomys, 292
  Sigmodon, 325
Vulpes, 355
  anadyrensis, 355
  beringiana, 355
vulpicolor, Rattus, 339

waterhousei, Marmosa, 225
whartoni, Phascogale, 229
  Phascolosorex, 229
whitei, Arctitis, 362
wilhelmina, Antechinus, 229
  Paraleptomys, 347
wortmani, Citellus, 285
  Tamias, 285

Xenogale, 363
  microdon, 363
Xenothrix, 265
  mcgregori, 265
Xenuromys, 342
  guba, 342

yucatanica, Nasua, 357
yucatanicus, Artibeus, 249
  Peromyscus, 318
yumanensis, Myotis, 252
yungasensis, Marmosa, 226
yuruanus, Rhipidomys, 306

zamora, Mazama, 369
zamorae, Dasyprocta, 350
  Sciurus, 278
zanjonensis, Sigmodon, 325
Zapodidae, 348
Zapus, 348
  princeps, 348
  saltator, 348
zarumae, Sciurus, 278
Ziphiidae, 354
Zygodontomys, 320
  brevicauda, 321
  cherriei, 320
  fraterculus, 321
  griseus, 321
  sanctaemartae, 321
  tapirapoanus, 320