

## A LIST OF LAND MAMMALS OF MINDANAO

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The Philippine Mammals are so far among the least known land vertebrates in the Philippines. Knowledge on the Philippine Mammals are scattered in different reports, generally taxonomic with some notes on behavior, feeding habits and distribution. These works include those by Alcalá (1971), Guerrero and Alcalá (1973), Rabor (1952, 1953, 1955), Sumangil (1966), and Sumangil and Rosell (1966). The taxonomy of Philippine Mammals is comprehensively discussed by Taylor (1934), including a complete history of the mammals collection in the Philippines.

Mindanao is the second largest island of the Philippine Archipelago, yet very limited works has been done on its fauna and even its flora. Among the early Filipino scientists who started collection of mammals in Mindanao are Francisco Rivera and Dioscoro Rabor in 1937. Intensive collection was done after the war by the Chicago Natural History Museum and virtually continued by D. S. Rabor, who regularly conducted Zoological Expeditions in various islands, including Mindanao in the Philippines. The trips of Dr. Rabor were supported by foreign institutions including the Chicago Natural History Museum.

In 1967, Dr. Rabor joined Mindanao State University and was responsible for the creation of the MSU-Natural Science Museum. Under his leadership, field collections of different land vertebrates have been made in different parts of Mindanao including the Sulu Archipelago. After his retirement in 1975, field collections in Mindanao were carried on by his assistants and students. Due to the difficulty of working in some forested areas of Central Mindanao, collections were limited to some parts of Eastern and Southern Mindanao and the nearby locali-

ties of Marawi City.

The present paper is a listing of the Mammals of Mindanao Island so far reported. It is the hope of the authors of this paper that collection of mammals in Mindanao will eventually progress, studies of this group of land vertebrates will be intensified by young biologists, and a ready reference on the subject be provided.

- |     |   |   |                                       |
|-----|---|---|---------------------------------------|
|     | Class   | — | Mammalia                              |
|     | Order   | — | Insectivora                           |
|     | Family  | — | Erinaeidae                            |
|     | Genus   | — | Podogymnura                           |
| 1.  | <i>Podogymnura truei</i> , Philippine or Mindanao Gymnure             |   |                                       |
|     | Family  | — | Soricidae                             |
|     | Genus   | — | Crocidura, Musk Shrews                |
| 2.  | <i>Crocidura beatus</i>   |   |                                       |
| 3.  | <i>Crocidura grandis</i>  |   |                                       |
| 4.  | <i>Crocidura parvacauda</i>   |   |                                       |
|     | Genus   | — | Suncus, Thick-tailed Shrew            |
| 5.  | <i>Suncus occultidens</i>   |   |                                       |
|     | Order   | — | Dermoptera                            |
|     | Family  | — | Cynocephalidae                        |
|     | Genus   | — | Cynocephalus, Flying lemur            |
| 6.  | <i>Cynocephalus volans</i>  |   |                                       |
|     | Order   | — | Chiroptera                            |
|     | Family  | — | Pteropidae                            |
|     | Genus   | — | Cynopterus, Short-nosed Fruit<br>Bats |
| 7.  | <i>Cynopterus brachyotis brachyotis</i>                               |   |                                       |
| 8.  | <i>Cynopterus brachyotis luzoniensis</i>                              |   |                                       |
| 9.  | <i>Cynopterus nigrescens</i>  |   |                                       |
|     | Genus   | — | Ptenochirus                           |
| 10. | <i>Ptenochirus jagori</i>   |   |                                       |
| 11. | <i>Ptenochirus wetmorei</i> , also known as <i>Megaerops wetmorei</i> |   |                                       |
|     | Genus   | — | Rousettus                             |
| 12. | <i>Rousettus amplexicaudatus</i>                                      |   |                                       |
|     | Genus   | — | Pteropus, Flying fruit bats           |
| 13. | <i>Pteropus vampyrus lanensis</i>                                     |   |                                       |



33. *Hipposiderus bicolor antricola*  
(Plate II. 1)
34. *Hipposiderus coronatus*
35. *Hipposiderus diadema griseus*  
(Plate I.2)
36. *Hipposiderus galeritus galeritus*
37. *Hipposiderus obscurus*  
Family — Vespertilionidae  
Genus — Myotis, Common Brown Bat
38. *Myotis browni*
39. *Myotis pannei*
40. *Myotis macrotarsus*
41. *Myotis patriciae*  
Genus — Pipistrellus
42. *Pipistrellus abramus*
43. *Pipistrellus tenuis*  
Genus — Pterygistes
44. *Pterygistes stenopterus*, also known as *Pipistrellus stenopterus* in  
some reports.  
Genus — Scotophilus
45. *Scotophilus — temmincki*  
(Plate II. 2)  
Genus — Miniopterus
46. *Miniopterus australis australis*
47. *Miniopterus schreibersii eschscholtzii*
48. *Miniopterus tristis*  
Genus — Murina, Tube-nosed Bats
49. *Murina cyclotis*  
Genus — Kerivoula
50. *Kerivoula hardwickii*
51. *Kerivoula pellucida*
52. *Kerivoula pusilla*  
Family — Molossidae  
Genus — Cheiromeles
53. *Cheiromeles torquatus*  
(Plate II. 4 & 4.A)  
Genus — Philippinopterus

54. *Philippinopterus lanei*, also known in some works as *Tadarida lanei*  
 Order — Primates  
 Family — Tupaiidae  
 Genus — Urogale, (Philippine Tree Shrew)
55. *Urogale everetti*  
 Family — Tarsiidae  
 Genus — Tarsius (Tarsier)
56. *Tarsius carbonarius*
57. *Tarsius philippinensis*  
 Family — Cercopithecidae  
 Genus — Macaca, Macaque
58. *Macaca philippinensis mindanensis*  
 Order — Rodentia  
 Family — Sciuridae  
 Genus — Callosciurus, Beautiful Squirrel
59. *Callosciurus mindanensis*
60. *Callosciurus davenis*
61. *Callosciurus philippinensis*  
 Genus — Nannosciurus, Oriental Pygmy Squirrel
62. *Nannosciurus luneefordi*
63. *Nannosciurus surrutilus*  
 Genus — Petinomys, Dwarf flying squirrel
64. *Petinomys crivitus*  
 Genus — Hylopetes
65. *Hylopetes mindanensis*, also known in some reports as *Petinomys mindanensis*  
 Family — Muridae  
 Genus — Mindanaomys
66. *Mindanaomys salomonseni*  
 Genus — Rattus, Common rat
67. *Rattus bagobus*

68. *Rattus everetti*  
 69. *Rattus exulans todayensis*  
 70. *Rattus kelleri*  
 71. *Rattus magnirostris*  
 72. *Rattus rattus mindanensis*  
 73. *Rattus norvegicus norvegicus*  
 74. *Rattus rabori*  
 75. *Rattus zamboangae*  
 76. *Rattus tagulayensis*  
 77. *Rattus albigularis*  
 78. *Rattus pantarensis*  
 79. *Rattus vulcani*  
 Genus — *Tarsomys*  
 80. *Tarsomys apoensis*  
 Genus — *Limnomys*  
 81. *Limnomys mearnsi*  
 82. *Limnomys sibuanus*  
 Genus — *Apomys*  
 83. *Apomys hylocoetes*  
 84. *Apomys insignis bardus*  
 85. *Apomys insignis insignis*  
 86. *Apomys littoralis*  
 87. *Apomys petraeus*  
 Genus — *Mus*, House mice  
 88. *Mus commisaurus*  
 89. *Crunomys melanius*  
 Order — Carnivora  
 Family — Viverridae  
 Genus — *Viverra*  
 90. *Viverra tangalunga*  
 Genus — *Paradoxurus*  
 91. *Paradoxurus philippinensis*  
 Order — Artiodactyla  
 Family — Suidae  
 Genus — *Sus*, Pigs

- 92. *Sus celebensis mindanensis*
- 93. *Sus celebensis philippinensis*
- 94. *Sus inconstans*

Family — Cervidae

Genus — Cervus

- 95. *Cervus (Rusa) francianus*
- 96. *Cervus (Rusa) vigellus*
- 97. *Cervus (Rusa) vigellus apoensis*

#### Literature Cited

- Alcala, A. C. 1971. "Aspects of Ecology of the Insectivorous Bat, *Scotophilus temmincki* in Southern Negros, Philippines," *Phil. Biota*, Vol. 5, pp. 5-11.
- Guerrero, L. and A. C. Alcala. 1973. "Feeding Habits of Pteropid Bats," *Phil. Biota*, Vol. 7, pp. 139-142.
- Rabor, D. S. "Two New Mammals from Negros Island, Philippines." *Nat. Hist. Misc.*, No. 96, pp. 1-7.
- "The State of Conservation of Philippine Mammals with Special Reference to the Deer and Tamaraw," *Eight Pacific Sci. Congr. Abstract of Papers* pp. 341-342.
- "The Rat Problem on Mindanao Island," *Silliman Journal*. Vol. 2, pp. 13-30.
- Sumangil, J. "Observations on the Biology of Cotabato Ricefield Rats, Problems and Methods of Control." *Phil. Geog. Jour.*, Vol. 10, pp. 18-23.
- and N. Rosell. "Notes on the studies of Philippine species of field rats," *Phil. Geog. Jour.*, Vol. 10, pp. 11-17.
- Taylor, E. 1934. *Philippine Land Mammals*. Manila: Bureau of Science. Monograph 30, 548 pp.

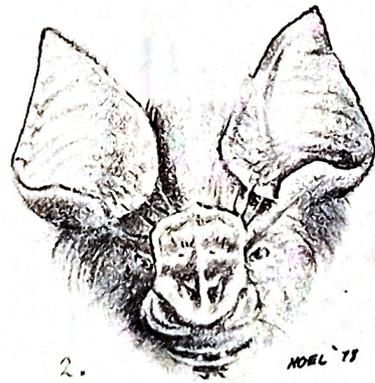
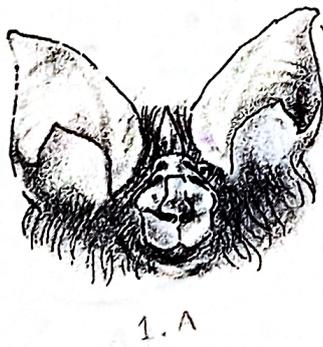
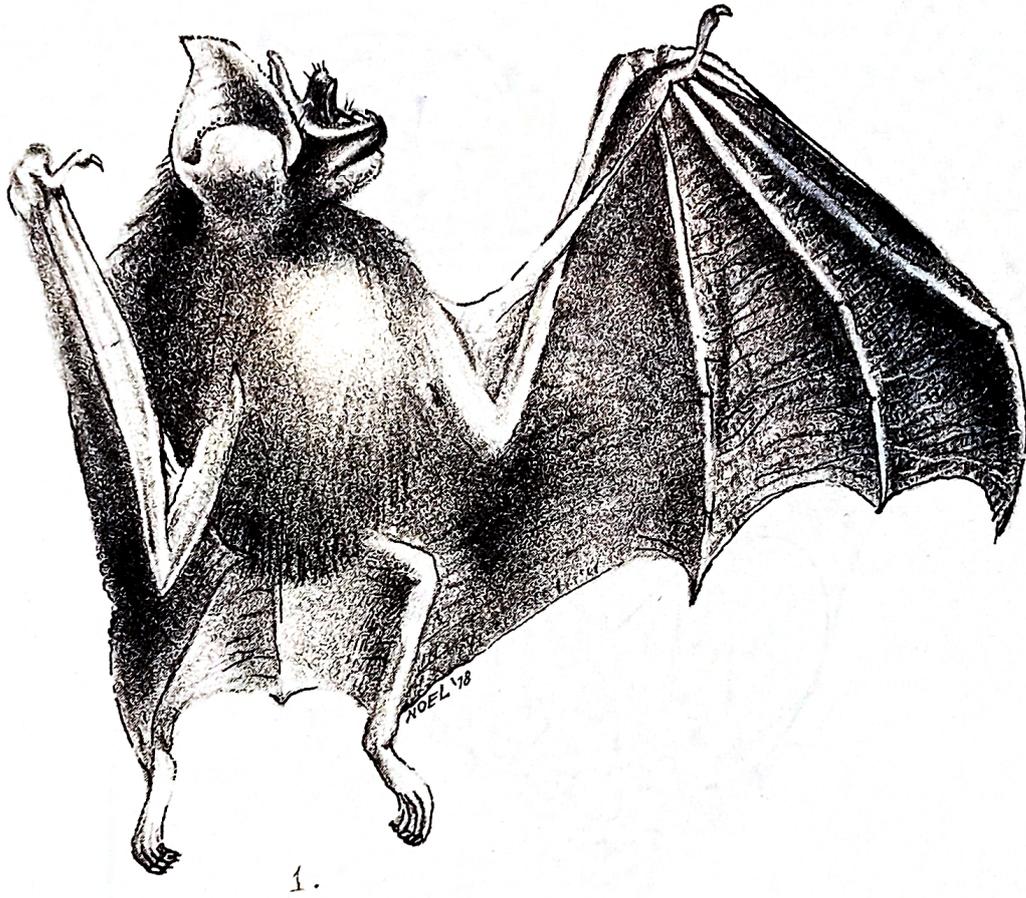


PLATE I

1. & 1.A. *Rhinolophus philippinensis*

2. *Hipposiderus diadema*



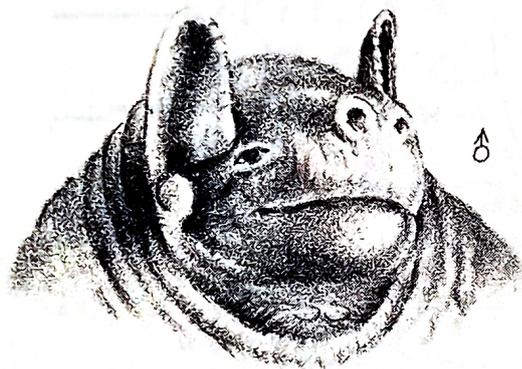
1.



2.



3.



4



4.A

PLATE II

1. *Hipposiderus bicolor*      2. *Scotophilus temminckii*  
3. *Megaderma spasma*      4. *Cheiromeles torquatus* (male)  
4.A. *Cheiromeles torquatus* (female)



PLATE III

*Cynocephalus volans*

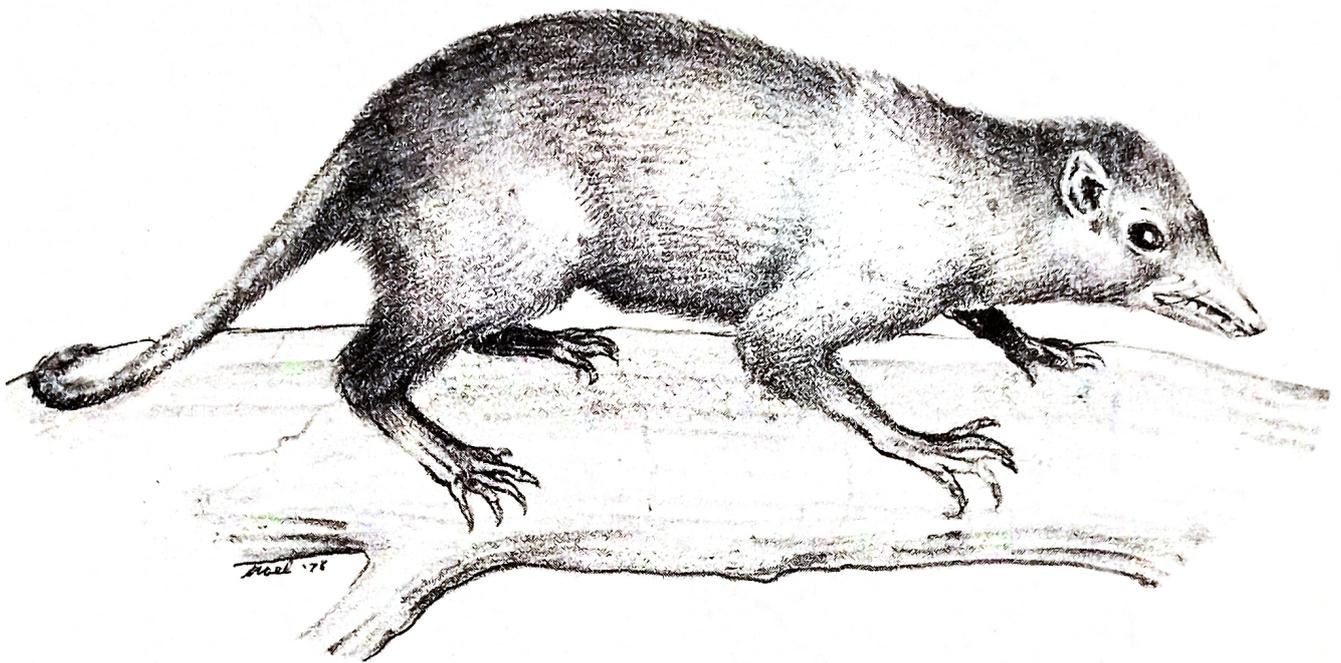


PLATE IV

*Urogale everetti*



PLATE V

*Tarsius philippinensis*

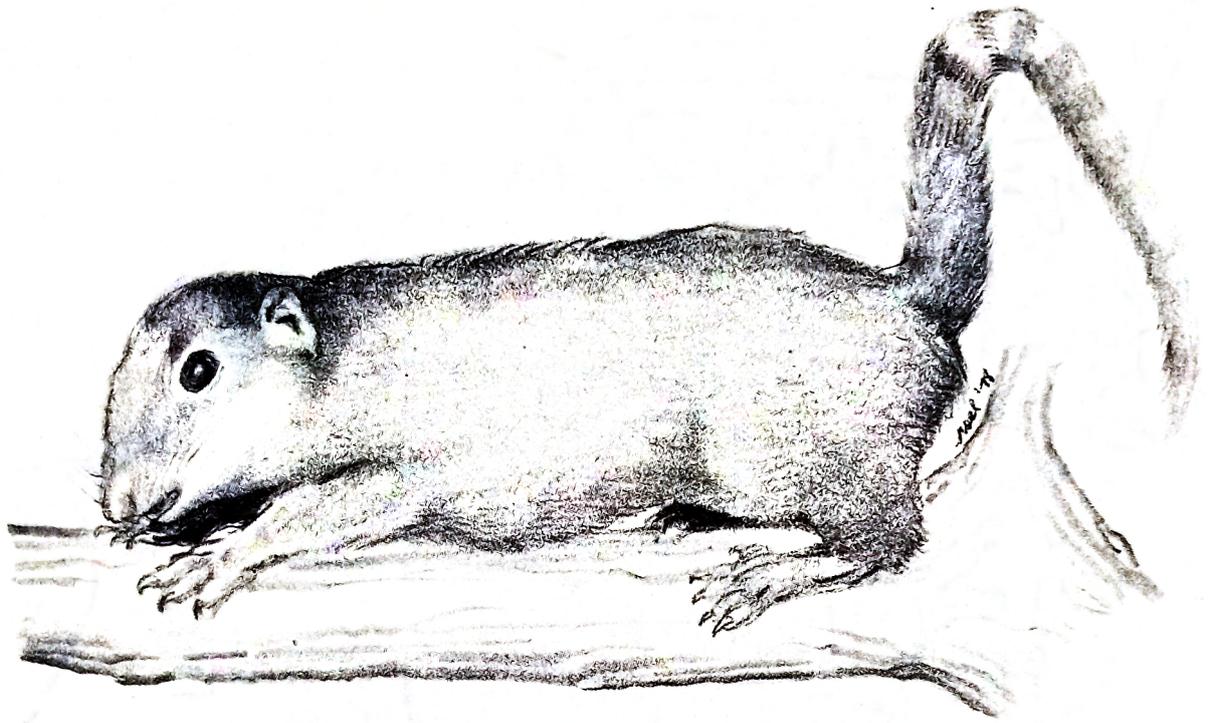


PLATE VI

*Callosciurus mindanensis*



PLATE VII

*Nannosciurus surrutilus*



PLATE VIII

*Hylopetes mindanensis*

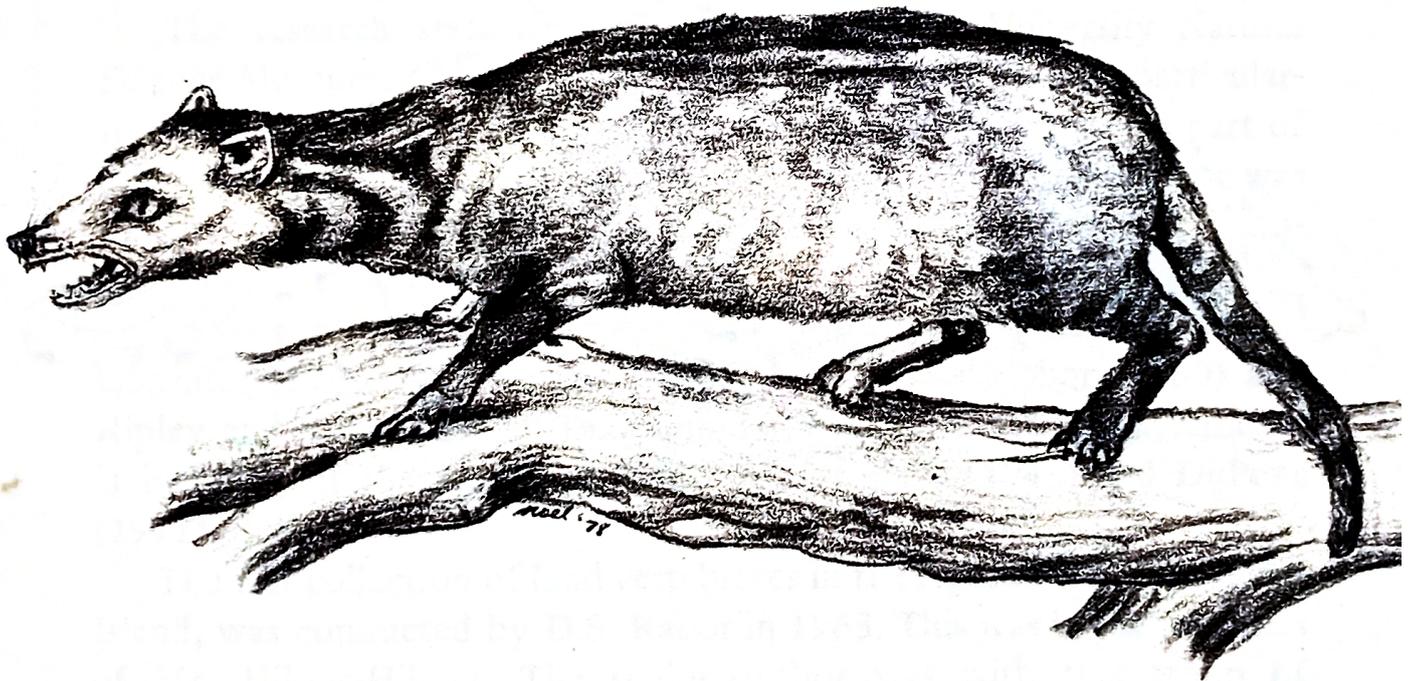


PLATE IX  
*Viverra tangalunga*

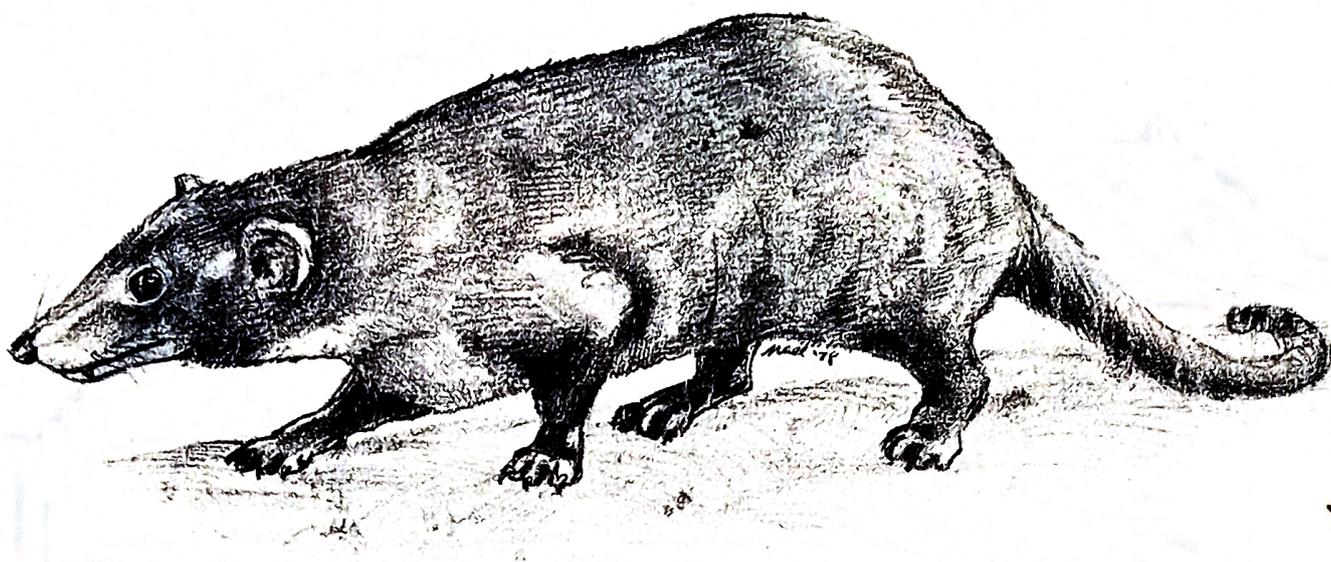


PLATE X

*Paradoxurus philippinensis*

All drawings in pencil by Noel Rosales