

known from North America and is of relatively early Pleistocene age, the Haile XV A specimen is referred to that species.

Two species of small sabercats are known from South America. *Smilodon cruciens* is known only from a single mandible (Ameghino 1904). *Smilodontidion riggsi* (Kraglievich 1948), which is slightly larger than the Haile XV A form, is present in the Chapadmalal fauna and is known only from postcranial material.¹ The astragalus of this specimen is preserved but in poor condition, and the critical characters of the facets cannot be verified from the figures. Although other species occur both in the Chapadmalal fauna and the Haile XV A fauna, it does not follow that the two cats are necessarily related. Nonetheless, the overall faunal resemblance, together with the similarity in morphology of the South American samples, suggest that possible synonymy of the Chapadmalal form with *Smilodon gracilis* ought to be considered.

ORDER PROBOSCIDEA

FAMILY GOMPHOTHERIIDAE CABRERA 1929

MATERIAL.—UF 17464: a small portion of a molar and two small pieces of ivory.

The complicated nature of the cheek tooth clearly indicates that this specimen is a gomphotheriid. Further identification is not possible because of the inadequate material available.

ORDER PERISSODACTYLA

FAMILY EQUIDAE

Nannippus phlegon (HAY 1899)

MATERIAL.—UF 17484-17485: both upper cheek teeth; UF 17547: metapodial; UF 17548: proximal phalanx; UF 17549: four ungual phalanges.

A nearly unworn upper cheek tooth 51 mm high indicates that this form was strongly hypsodont. The other well-worn upper tooth (Fig. 15) and the postcranial material agree in all respects with the typical Blancan species, *N. phlegon*. Measurements are provided in Table 14.

Equus (Dolichohippus) simplicidens COPE 1892

MATERIAL.—UF 10909: partial skull; UF 17556: partial maxilla with deciduous molariform tooth; UF 10894: 15 cervical vertebrae; UF 10877: 37 thoracic vertebrae; UF 10895: 13 lumbar vertebrae; UF 10896: 2 sacral vertebrae; UF 10898: 3 humeri (2 left, 1 right); UF 10919: 1 right radius; UF 10910: 2 left pelves; UF 10911: 4 femora (2 left, 2 right); UF 10915: 2 right metatarsals; UF 10921: 9 splints; UF 10916: 4 cuboids (2 left, 2 right); UF 10917: 3 calcanea; UF 10920:

¹ Churcher's (1967) cautionary note suggesting that the specimen may have leaked down from younger deposits is noted.