

## ON A SMALL COLLECTION OF MAMMALS FROM CAMBODIA.

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In 1918 Dr. Malcolm Smith's reptile collectors spent the greater part of December in Cambodia: they brought back, as usual, some well prepared mammal-skins which have been referred to me for determination.

The mammals of Cambodia have been so little investigated that the specimens, though few, are worth putting on record: amongst them is what appears to be a new race of striped squirrel (*Tamiops*).

The collectors seem first to have visited Pak Kong, i.e., the mouth of the Kong river. This, apparently, is about ten miles north of Koh Kong (the Island of Kong) and only five or six miles beyond Ok Yam, the most southerly place I collected at in 1914 (vide P. Z. S. 1916, p. 28 and map, pl. 1). They next went to "Koh Kape" (Island of Kape): this I am unable to discover, but the label on the only specimen preserved states that it is near Koh Kong. Thence they sailed southwards to Sré Umbel (which will be found on any decent map of Cambodia), and proceeding up-river, directly northwards for about twenty miles, stopped at Kompong Som. Afterwards they visited Kompong Som Bon: I cannot trace this place but it cannot be far from Kompong Som. The collection was, therefore, made in the lowlands of the Cambodian coast region.

1. *Tupaia glis cambodiana* Kloss.

*Tupaia glis cambodiana* Kloss, Journ. Nat. Hist. Soc. Siam, III, 1919, p. 357 (Klong Yai, S.E. Siam).

*Tupaia concolor* Kloss (nec Bonh.), P.Z.S. 1916, p. 36.

1 ♂ ad., 1 ♀ ad., Kompong Som Bon, near Sré Umbel, S.W. Cambodia. 21st-23rd Dec. 1918 [Nos 2715, 6/CBK.]. Dr. Malcolm Smith's collector.

This race is more like *T. g. belangeri* from S. E. and S. W. Siam than *T. g. concolor* of S. Annam, differing from it in rather richer colour and less developed neck-stripes. It is much more warmly coloured than *T. g. concolor* in which the neck-stripes are practically obsolete.

These two specimens have a rather more pronounced buff eye-ring than the original series from the southern extremity of S. E. Siam.

## 2. *Ratufa melanopepla leucogenys* Kloss.

*Ratufa melanopepla leucogenys* Kloss, P. Z. S. 1916, p. 43 (vicinity of Krat, S. E. Siam); id., Journ. Nat. Hist. Soc. Siam, II, 1916-7, pp. 15, 306.

*Sciurus javensis* Gray (nec Schreber), P. Z. S., 1861, p. 137.

1 ♀ ad., 1 ♀ vixad., Kompong Som, near Sré Umbel, S. W. Cambodia, 13th December 1918 [Nos. 2717, 8/CBK.]. Dr. Malcolm Smith's collector.

In colour the adult exactly agrees with a paratype: the younger animal is rather more ochraceous on the fore-limbs and under parts, and there is no pronounced extension of buff over the upper surface of the hind foot which is merely slightly grizzled.

## 3. *Sciurus ferrugineus cinnamomeus* Temm.

*Sciurus cinnamomeus* Temminck, Esquisses Zool. Guiné, 1853, p. 250 (Cambodia).

*Sciurus splendens* Gray, P. Z. S. 1861, p. 137, (Cambodia).

*Sciurus ferrugineus cinnamomeus* Kloss, P. Z. S., 1916, p. 45.

3 ♂ ad., Pak Kong, near Koh Kong, S. W. Cambodia, 3rd Dec. 1918 [Nos. 2719 - 21/CBK.]

1 ♀ vixad., Koh Kape near Koh Kong, 7th Dec. 1918 [No. 2722 CBK.]. Dr Malcolm Smith's collector.

These represent Gray's var. 2, and do not differ from the majority of the specimens I obtained in S. E. Siam. Of *Sciurus cinnamomeus* Temminck wrote "Patrie, La Péninsule de Malacca, dans les environs de Cambodge". No red squirrel occurs in the Malay Peninsula: the type locality is therefore Cambodia.

## 4. *Menetes berdmorei mouhoti* (Gray).

*Sciurus mouhotii*, Gray, P.Z.S., 1861, p. 136 (Cambodia).

*Menetes berdmorei mouhoti*, Kloss, Journ. Nat. Hist. Soc. Siam, III, 1919, p. 372.

1 ♂ ad., Kompong Som, near Sré Umbel, S. W. Cambodia, 16th Dec. 1918 [No. 2725/CBK.]. Dr Malcolm Smith's collector.

No median dark dorsal stripe and the lateral ones barely in-

dicated; pale stripes buffy, sides between them a grizzle of black and brown; under parts white suffused with buffy, strongly on abdomen and thighs.

Practically a topotype.

5. *Tamiops maccllelandi dolphoides*, subsp. nov.

2 ♀ ad., Kompong Som Bon, near Sré Umbel, S.W. Cambodia, 21st Dec. 1918 [Nos 2723, 4/CBK.]. Dr Malcolm Smith's collector.

Like *T. m. rodolphi* (A. M.-Edw.) of Eastern Cochin-China but paler, less richly coloured throughout except for the tail which is similar.

The upper parts, including the yellow stripes, less suffused with ochraceous or tawny, the hands and feet paler buff. Under parts and inner sides of limbs antimony-yellow instead of ochraceous-orange: lips and chin whitish buff.

The interruption across the shoulders of the outer pair of pale stripes distinguishes this animal from the form occurring in South Eastern Siam.\*

*Type.* No. 2723/CBK.

I have ventured to name these examples, though they may only represent a seasonal colour phase of *T. m. rodolphi*; but I do not think that animals from so far south in the Indo-Chinese Peninsula undergo such a change of colour.

6. *Rattus rajah finis* Kloss.

*Epimys surifer finis* Kloss, P. Z. S. 1916, p. 51 (Klong Menao, S. E. Siam).

1 ♂ ad., 1 ♂ vizad., Kompong Som, near Sré Umbel, S. W. Cambodia, 16-18th Dec. 1918 Nos. 2726, 7, 9/ CBK.].

1 ♂ ad., Kompong Som Bon, near Sré Umbel, 23rd Dec. 1918 [No. 2728/CBK.]. Dr. Malcolm Smith's collector.

Typical specimens of this race of clay-backed white-bellied forest rat.

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\**Tamiops maccllelandi liantis* Kloss, Journ. Nat. Hist. Soc. Siam, III, p. 370. Dec. 1919 (Sat-hip, near Cape Liant).

*Tamiops lylei* Thomas, Ann. & Mag. Nat. Hist (9), V, p. 307. March 1920 (Sea-coast, 50 miles south of Bangkok).

7. *Tragulus kanchil affinis* Gray.

*Tragulus affinis* Gray, P.Z.S, 1861, p. 138 Cambodia.

*Tragulus kanchil affinis*, Kloss, P. Z. S. 1916, p. 63.

1 ♀ ad., Kompong Som, near Sré Umbel, S. W. Cambodia.  
16th Dec. 1918. [No. 2730/CBK.]. Dr. Malcolm Smith's collector.  
Head and body, 400; tail, 65; hindfoot, c.u., 112; ear, 34. Skull:  
greatest length, 92; greatest breadth 45 mm.

Practically a topotype.