

## APPENDIX.

### PARASITES FROM MAMMALS.

[The list of parasites obtained from the mammals taken during the Abor Expedition is not a long one, although great care was exercised (at any rate so far as external parasites were concerned) in looking for them on each specimen. We have to thank Mr. Cecil Warburton, who prefers not to describe the new forms at present, for examining the ticks, Mr. T. Southwell for identifying a parasitic worm and Mr. E. Brunetti for naming a Pupiparous fly. The various parasites are listed under the names of the mammals on which they were found. [N. A.]

#### 6.—*Tupaia belangeri* (Wagner) (p. 86).

ARACHNIDA (IXODIDAE).—*Haemaphysalis* sp. near *koeningsberneri* (nymph *indet.*).

—? *Hyalomma syriacum*, Koch? (nymphs).

Kobo (400 ft.): 9-xii-II.  
About these specimens Mr. Warburton writes: "It is a remarkable thing that we can never find nymphs of this species (*H. syriacum*), though it is common on tortoises all over the world. I have a strong belief, however, that these specimens belong to it, but the point must remain in doubt until we see undoubted *H. syriacum* nymphs." A similar specimen was taken by Mr. Gravely on a man's leg in Tenasserim.

#### 9.—*Pteropus giganteus leucocephalus*, Hodgs. (p. 87).

DIPTERA PUPIPARA.—*Cyclopodea horsfieldii*, de Meij. Many specimens.  
Sadiya.

#### 16.—*Sciurus ethrythraeus intermedius*, Anderson (p. 89).

ARACHNIDA (IXODIDAE).—*Ixodes angustus* var. nov. Mr. Warburton regards these specimens as representing a new variety of the American squirrel-tick.  
Kobo: 29-iii-12.

26.—*Sus cristatus*, Wagner (p. 92).

ARACHNIDA (IXODIDAE).—Many specimens of *Ablyomma testudinarium*, Koch.  
Kobo: 5-xii-II.

ENTOZOA (ACANTHOCEPHALA).—Numerous specimens of *Echinorhynchus gigas*, Goeze, from the intestine.  
Kobo: 5-xii-II.

In addition to the ticks actually found on mammals a small specimen of the common *Haemaphysalis bispinosa*, Neum., was taken "by sweeping" at Dibrugarh and females of the equally common *Ablyomma testudinarium* were obtained in the same manner at Kobo and on the banks of the Siyom below Damda: also under a log at Sadiya. A female of *Ixodes acutitarsis*, Karsch, of which Mr. Warburton thinks that his *H. gigas* may be the male, was taken at Yembung. *H. bispinosa* and *A. testudinarium* are commonly found among long grass through which the larger mammals are in the habit of passing, while specimens of *I. gigas* have been taken under stones near Darjiling. All three (? or four) species are parasitic on various mammals. An undescribed species of *Haemaphysalis*, probably also a mammal-parasite, was taken among grass at Yembung and indeterminate nymphs of *Haemaphysalis* were collected at several places.