

TWO NEW SPECIES OF *DENNYUS* (MALLOPHAGA)
FROM PALM SWIFTS

by

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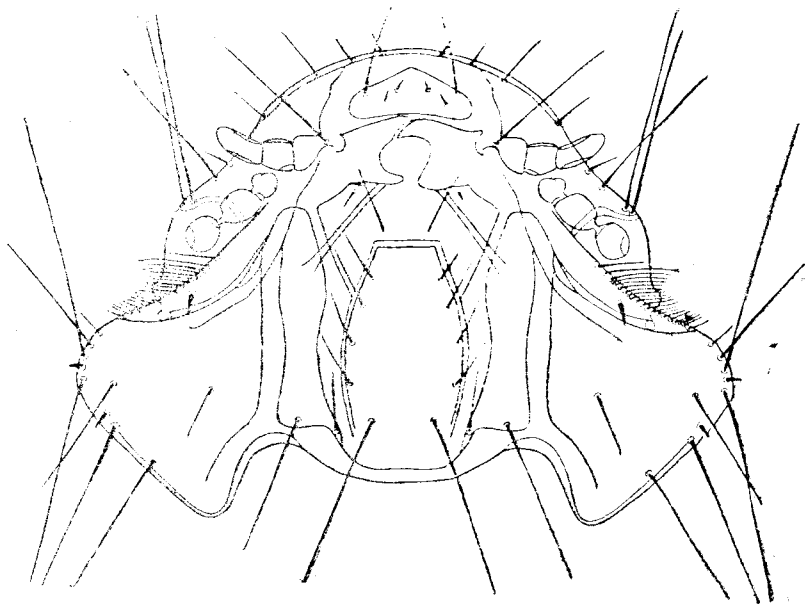
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1. *Dennyus gossei* sp. n.

Type host.—*Tachornis phoenicobia* Gosse.

Specimens examined.—Female holotype, male allotype off type host, B. W. I., Jamaica, St. Andrew, Long Mtn, Rifle range, 13. iii. 1947 (*H. B. Tordoff*).

Brief description.—A medium sized, moderately robust, well sclerotised and pigmented form.



1. Head of *Dennyus gossei* sp. n. — female

Female.—(t.—figs. 1, 2, 3, 4, 5, 9).

Length.—2.34 mm.; *greatest breadth*.—0.81 mm.

Head.—roughly triangular in shape and a third wider than long. (see fig. 1,9).

Prothorax slightly broader than long with slightwings on either side each bearing two spines and a longish seta. Six longish setae widely separated along posterior margin. Prosternal plate as in fig. 4.

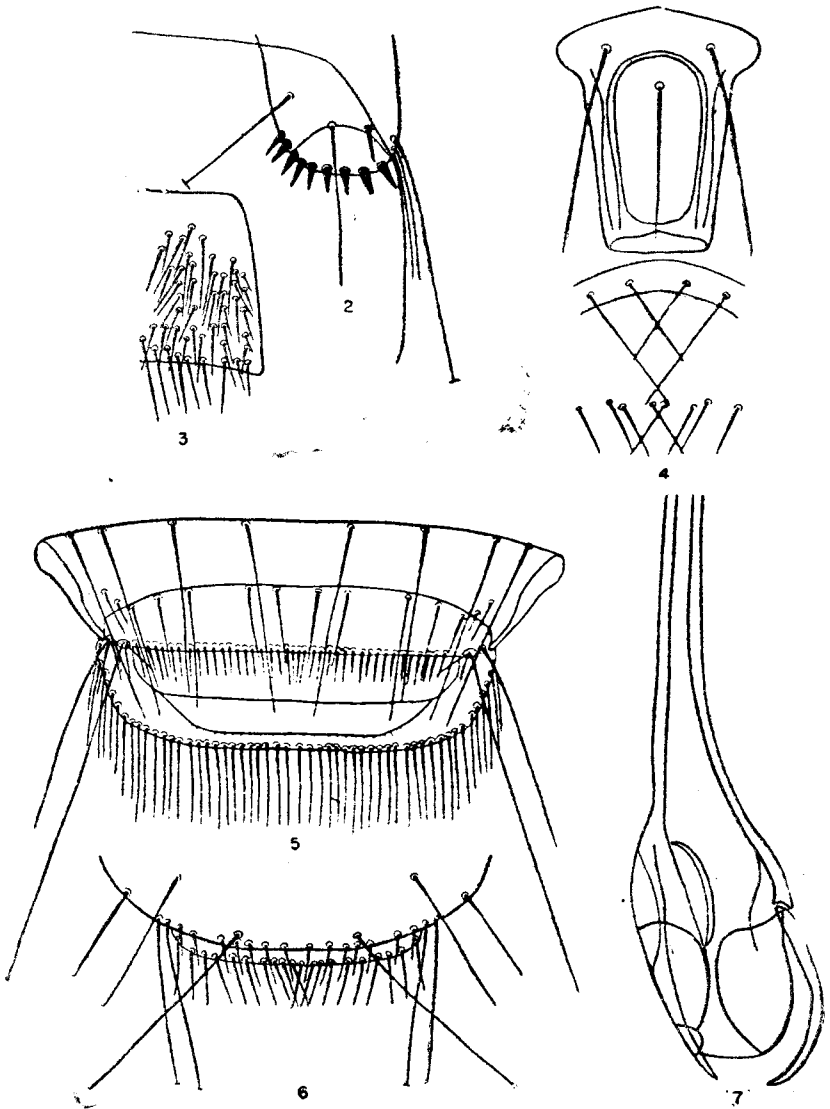
esothorax and *metathorax* almost equal in length, separated by distinct suture. *Metathorax* with transverse row of longish setae on posterior margin and with two spines in the postero-lateral angles. Legs characteristic of the genus with anterior femora flattened and large, posterior femora with patch of medium sized setae.

Abdomen.—rectangular with no great expansion midway. Segments each bearing a single transverse row of two short and one moderately long setae alternately. Paratergites heavily sclerotised and pigmented, overlapping, separated from sternites by a narrow clear area. Posterior margin of paratergites bearing a row of nine short thorn-like spines (see fig. 2). There are two medium sized and one very long setae in each postero-lateral angle. First sternite short, well sclerotised and pigmented around its anterior and lateral borders, with the posterior angles overlapping the second sternite. Each sternite bears a row of short setae along its posterior margin; the second to fourth with a number of additional small setae, fifth and sixth with patches of medium sized setae (see fig. 3) situated in the posterior lateral corners. Terminal abdominal segments as in fig. 5.

Male.

Length.—1.98 mm.; *greatest breadth*.—0.58 mm.

Very similar to the female except for its smaller size and the more tapered abdomen. Terminalia as in fig. 6. Genitalia of type common to many genera of Menoponidae—see fig. 7.



2. Paratergite of *Dennyus gossei* sp. n. — female.
3. Sternite V of *Dennyus gossei* sp. n. — female.
4. Sternal plates of *Dennyus gossei* sp. n. — female.
5. Terminalia of *Dennyus gossei* sp. n. — female.
6. Terminalia of *Dennyus gossei* sp. n. — male.
7. Male genitalia of *Dennyus gossei* sp. n.

The preputial sac which is beset with minute 'teeth' is not shown in the figure. The drawing is made from a specimen containing the genitalia within the abdominal cavity and I am of the opinion that the curved paramere, which gives it a degree of asymmetry is more apparent than real.

2. *Dennyus cypsiurus* sp. n.

... *Type host*.—*Cypsiurus parvus balasiensis* (J. E. Gray).

Specimens examined.—Female holotype, male allotype and one male paratype off type host, Ceylon, C. P., Gammaduwa, Mousakande, alt. 2,400 ft., 16. x. 1935 (W. W. A. Phillips).

Note. These specimens were recorded by me as *Dennyus* sp. in 1936* and were found among feathers, of which the nest was composed, at the edge of the nest. The nest contained one fresh egg and was on the underside of the leaf of a tall coconut-palm.

Brief description.—A medium sized, moderately robust, sclerotised and pigmented form.

Female.—(t.—fig. 8).

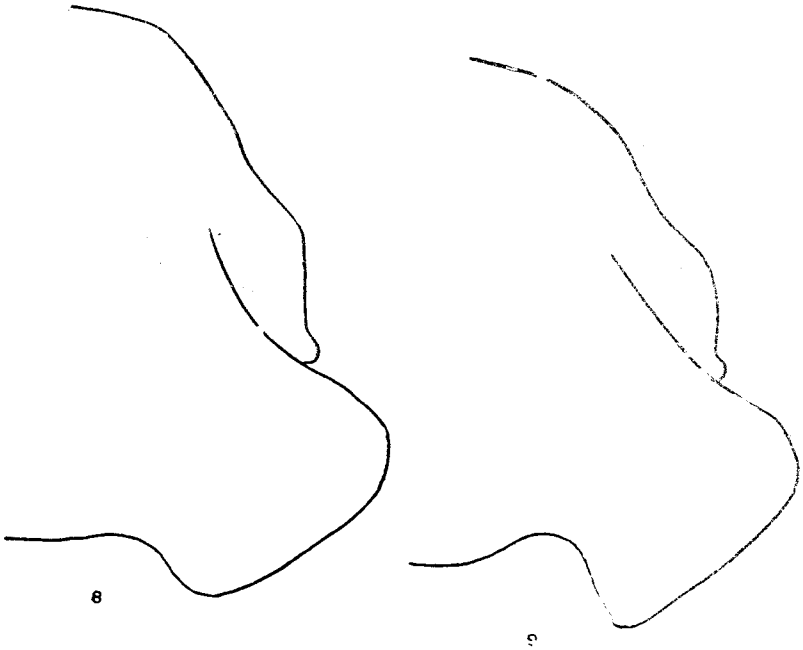
Length.—2.47 mm.; *greatest breadth*.—0.93 mm.

Male.

Length.—1.96 mm.; *greatest breadth*.—0.68 mm.

This species comes very close to *gossai* sp. n. The differences are to be found in its larger size, the shape of the head (see figs. 8,9); the less sclerotised and pigmented paratergites with much smaller thornlike spines. In the male genitalia the parameres are much less curved (see note above) and the male terminal segment is much narrower and rather longer.

* Thompson, 1936, Ent. mon. Mag., lxxii, p. 95.



8. Outline of head of *Demigus gossei* sp. n. — female.
9. Outline of head of *Demigus cypsiurus* sp. n. — female.



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