

A new milliped and two new centipeds from Guam

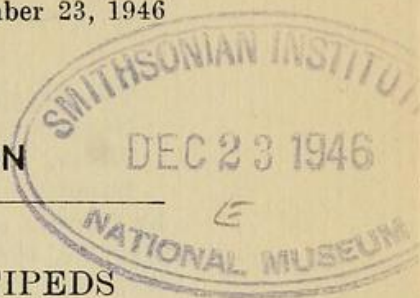
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PROCEEDINGS
OF THE
BIOLOGICAL SOCIETY OF WASHINGTONA NEW MILLIPED AND TWO NEW CENTIPEDS
FROM GUAM

By RALPH V. CHAMBERLIN

The specimens from Guam Id. upon which the present descriptions are based were among arthropods found "associated with the freeliving stages of a trombiculid mite that was investigated in connection with a study of the vectors of scrub-typhus by members of U. S. Naval Medical Research Unit No. 2," a study being made by Lieut. George W. Whar-ton, Jr.

The specimens sent to me for identification by Mr. C. F. Muesebeck of the U. S. Bureau of Entomology and Plant Quarantine prove to represent one species of spirobolid milliped typifying a new genus, and two species of chilopods, one a hemicopid and one a geophilid.

Genus **GUAMOBOLUS**, new genus

Distinguished among other genera of the Spirobolidae in wholly lacking a sternite to the anterior gonopods. These gonopods undivided, distally prolonged into processes which in the generotype meet mesally; their bases with lamellate extensions meeting at the middle line. Posterior gonopods widely separated, undivided, expanded distally in a somewhat canoe-shaped lamella. Supralabial setigerous feveolae 5+5 or 5+4. Repugnatorial pores on the metazonites. Anal valves protruding in the usual manner, neither depressed nor compressed at middle.

Generotype.—*Guamobolus delus*, new species.

Guamobolus delus, new species

A small dark brown form with paler annuli, these not always sharply defined. Legs also brown.

Eyes very widely separated. Ocelli in 5 transverse series, e.g., 6, 6, 6, 5, 4.

Collum strongly narrowed down the sides, with the lower ends rounded as shown in the figure (Fig. 3); without impressed sulci. Second tergite not descending below level of collum.

The ordinary segments moderately constricted, with coarse puncta and some horse-shoe shaped impressions especially in and in front of the furrow. The posterior segmental sulcus not sharply impressed, the pore touching the light line representing it.

In the male the coxae of the fifth legs with conspicuous, somewhat lamellate, processes which are distally bent forward. (Figs. 4 and 5.)

The gonopods of the male are as figured. (Figs. 1 and 2.)

Number of segments in the male holotype, 37 or 38.

Width, 1.6 mm.

Locality.—Guam Id: Oca Point. Male holotype taken Aug. 10, 1945 by Carver; one adult male, one immature male and three females taken Aug. 17, 1945 by Fritts, and a very young specimen by the latter on Aug. 24, 1945.

Mecistocephalus ocanus, new species

Head about once and a half as long as wide, its form as figured. (Fig. 6.)

Anterior margin of prosternum with two pale but distinct teeth; coxoid with a rounded tooth and femuroid with a similar one; two next joints also with distinct rounded teeth but claw not dentate at base.

Anterior areolabed area of the clypeus decidedly longer antero-caudally than the anterior non-areolated band.

Coxae of first maxillae with a well marked ectal shoulder the antero-ectal angle of which is produced moderately distad. (Fig. 7.) Palpi of second maxillae long, curving distally beyond the first maxillae; distal end with an abortive claw and with setae moderate in number as shown in the figure. (Fig. 8.)

First lamella of mandible with 5 long teeth, the corner beneath it produced as shown in the figure. (Fig. 9.)

Coxal pores small, moderate in number.

Pairs of legs, 49.

Length, about 15 mm.

Locality.—Guam: Oca Point. One specimen collected by Fritts, on Aug. 24, 1945.

Lamyctes guamus, new species

A smaller species than the widespread *L. fulvicornis* from which it differs in having the prosternal teeth 2+2 instead of 3+3, these teeth small, well spaced, with the median interval wide, obtusely angular at bottom. Antennae with articles short, moniliform, 23-25 in number. Ocellus present, large, pale, with no pigmented area about it.

Coxal pores 1, 1, 1, 1, small and circular, as against 2, 2, 2, 2, to 4, 4, 4, 3 in the other species known from the Pacific area.

Gonopods of male beyond the stout basal article straight and distally bristle like.

Length, 4.5 mm.

Locality.—Guam: Bile Bay. Five males taken by Carver, Aug. 31, 1945.

The occurrence exclusively of males in this lot is very interesting in view of their usual rarity.

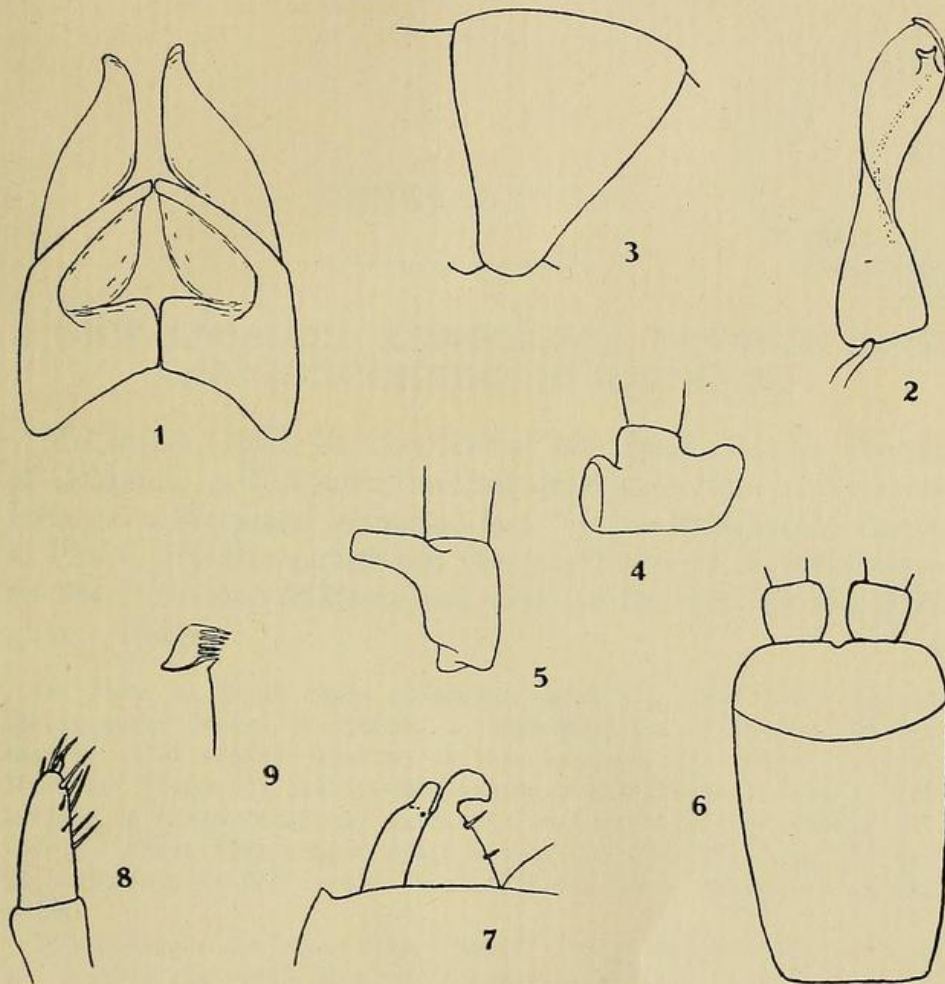


PLATE XV

Guamobolus delus, n. sp. Fig. 1. Gonopods of male, anterior view. Fig. 2. Posterior gonopod of male, subcaudal view. Fig. 3. Collum, viewed from right side. Fig. 4. Coxa of fifth left leg of male, anterior aspect. Fig. 5. The same, mesal aspect, showing process.

Mecistocephalus ocanus, n. sp. Fig. 6. Cephalic plate in outline. Fig. 7. First maxillae, right half. Fig. 8. End of palpus of second maxilla. Fig. 9. First lamella of mandible.