

HYMENOPTERA: CHALCIDOIDEA: MYMARIDAE OF SOUTH GEORGIA¹

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Abstract: *Notomymar aptenosoma* n. gen., n. sp. is described here from South Georgia.

Material taken on South Georgia Island from nests of pelagic birds and processed in a Berlese funnel yielded a series of five apterous Mymarids (2 ♂, 3 ♀). These belong to the tribe Anaphini according to the classification proposed by Annecke & Doutt (1961), and are representative of a new genus. They apparently evolved from the same stock that produced the other Anaphini peculiar to the Southern Hemisphere which possess a 3-segmented club in the ♀ sex, namely the genera *Idiocentrus* and *Polynemoidea*,

Genus **Notomymar** Doutt and Yoshimoto, new genus

Type: *Notomymar aptenosoma* new species.

Head somewhat cubical, flattened, both dorsally and ventrally, wider than thorax; eyes lateral with few setae, large ommatidia; ocelli very reduced, small and widely spaced; mandibular teeth very small, ♀ antenna with 6 funicle and 3 club segments, ♂ flagellum of 9 segments; prothorax large, wide, well developed; scutum small, without parapsidal sutures; scutellum broad, posterior border not strongly curved, nearly transverse, anterior portion divided by 2 oblique sutures; mesophragma not projecting into abdomen; ovipositor small, not exerted.

Notomymar aptenosoma Doutt and Yoshimoto, new species.

♀. Head brown, body yellowish brown, paler beneath, abdominal dorsal bands light brown, legs pallid, scape and pedicel pallid, flagellum light brown. Head flattened dorsally; ocelli very small, difficult to see, widely spaced; eyes with large ommatidia, some setae (Fig. 1C); head wider than thorax, face perpendicular to vertex, scrobes slightly impressed; antenna (Fig. 1B) with 6 short funicle segments, the 6th the largest, club wider than funicle, 3-segmented. Apterous. Thorax (Fig. 1C) with large prothorax, prothoracic spiracles barely discernible at extreme posterolateral margins; scutum short, transverse, reduced, without parapsidal furrows; scutellum with 2 oblique sutures on anterior portion, posterior border barely curved, nearly transverse; mesophragma not projecting into abdomen. Thorax smooth without appreciable sculpturing. Legs normal, pretarsi with large arolia. Abdomen without petiole, ovipositor without hypogynium, ovipositor not exerted, short, originating in posterior 1/2 of abdomen.

♂. Body darker brown than ♀, legs and mouthparts brown, eyes red. Antenna with 9 flagellar segments. Apterous. Head and thorax similar to ♀ (Fig. 1A).

Holotype ♀ (BISHOP 8855), and allotype ♂, collected in Berlese funnel, BI-9D, Bird I., North Valley, South Georgia, 20.XII.1962, B. Clagg. Paratypes: 1 ♀, taken with holotype; 1 ♀ and 1 ♂, collected in Berlese funnel, BI-198B, Bird I., Freshwater Bay, South Georgia, 18.IV.1963. Harry Clagg, collector.

Holotype, allotype and 2 paratypes deposited at B. P. Bishop Museum. 1 paratype ♀ retained

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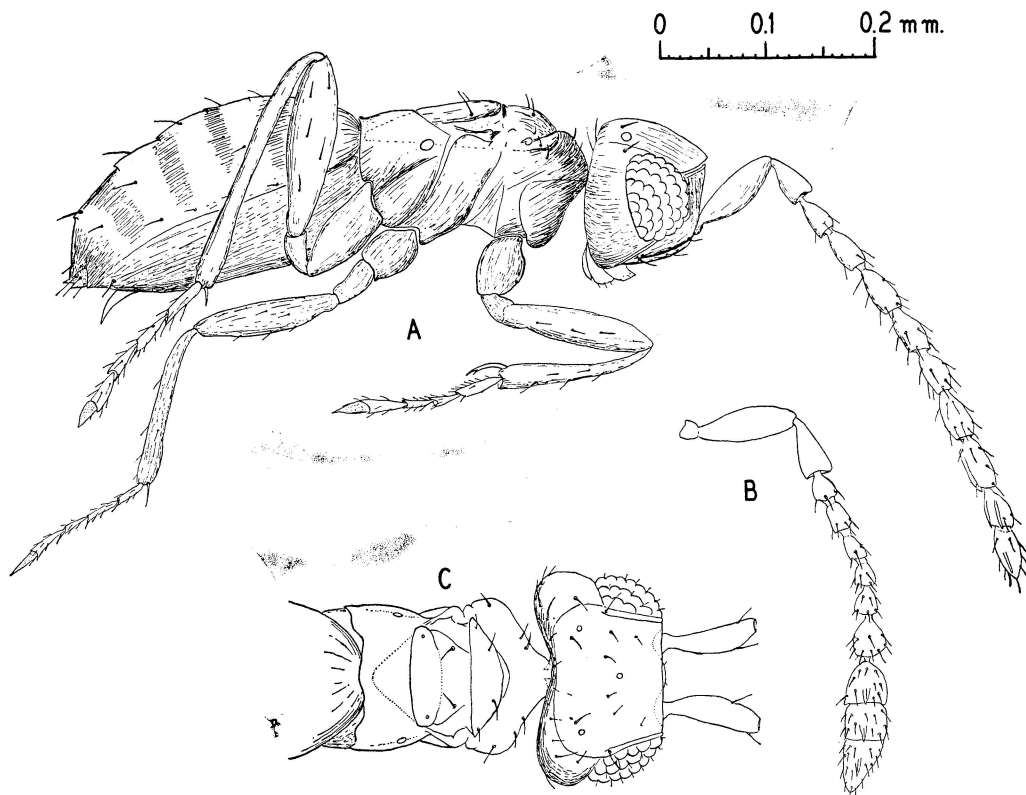


Fig. 1. *Notomymar aptenosoma*, n. sp. A, ♂, lateral view; B, antenna of ♀; C, Head and thorax, ♀, dorsal view

at California Insect Survey Collection, University of California, Berkeley.

SPECIMENS EXAMINED. SOUTH GEORGIA: 7 ♀♀, 1 ♂, ex nest material of Dove Prion, collected in Berlese funnel, BI-198B, Bird Island, Fresh Water Bay, 18.IV.1963, H. B. Clagg; 1 ♀, ex tussock grass near beach, hand net sweeps, Husvik Harbor, Stromness Pen., 7.I.1964, Clagg; 1 ♂, hand net sweeps through short grass, Tönsberg Pt., Stromness Pen., 80 m, 7.I.1964, Clagg; 1 ♂, ex moss 1–4 inch depth, Berlese funnel, BI-10d-1, Bird I., North Valley, 20.XII.1962, Clagg.

This apterous genus is distinguished by its small scutum, large prothorax, peculiarly shaped head, reduced ocelli and the antennal formula of 6 funicle and 3 club segments. This combination readily separates *Notomymar* from its nearest relatives in *Idiocentrus* and *Polynemoidea* which have wings, a large scutum with parapsidal furrows, large ocelli and differently shaped heads, but have the same antennal formula and divided scutellum.

LITERATURE CITED

- Anneck, D. P. & R. L. Doutt.** 1961. The genera of the Mymaridae (Hymenoptera: Chalcidoidea). *Dept. Agr. Tech. Serv. Rept. S. Africa, Ent. Mem.* 5: 71 pp.