

## ORATOSQUILLA MEGALOPS, A NEW STOMATOPOD CRUSTACEAN FROM TAIWAN

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*Abstract.*—This new species is distinguished from *O. sollicitans* Manning, 1978, by its unusually large eyes.

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In a recent review (Manning, 1978) of some species of the Indo-West Pacific stomatopod genus *Oratosquilla*, I pointed out the apparent variability in material assigned to *O. sollicitans*, and noted (p. 28) that three specimens from Anping, Taiwan probably represented a distinct species. Through the kindness of L. Tiefenbacher, Zoologisches Staatssammlung, Munich, I was able to reexamine these specimens to verify that their eyes are noticeably larger than those of other specimens assigned to *O. sollicitans*. These three specimens are assigned to a new species herein.

I thank L. Tiefenbacher for the loan of the material and my wife Lilly for preparing the illustrations.

### *Oratosquilla megalops*, new species

Fig. 1

*Material.*—Anping [An-P'ing or Ampin, 23°00'N, 120°09'E], S Taiwan; Haberer, leg.; June 1905: 3 ♂, total lengths 63 to 69 mm (largest male is holotype, smaller males are paratypes; all specimens in Zoologisches Staatssammlung, Munich).

*Diagnosis.*—As in *O. sollicitans* Manning, 1978:25, fig. 13, except: Rostral plate (Fig. 1a, e, f) slightly broader than long, appearing elongate, tapering anteriorly to convex anterior margin. Eye (Fig. 1b) moderate to large, corneal indices 290-313 in specimens less than 70 mm long. Lobe between basal prolongation of uropod (Fig. 1d) small, rounded, narrower than adjacent spine.

*Name.*—The specific epithet is from the Latin and refers to the enlarged eyes.

*Remarks.*—The eyes of *O. megalops* (Fig. 1b) resemble those of *O. sollicitans* in shape but not in size. The corneal indices of *O. megalops*, 290-313, do not overlap those of *O. sollicitans* of similar size, 340-400 (see Manning, 1978, table 1 on p. 42). The eyes of *O. megalops* also appear to be larger than those of the similar *O. hindustanica* Manning, 1978, from India. Only one of 27 specimens of the latter species, the smallest male

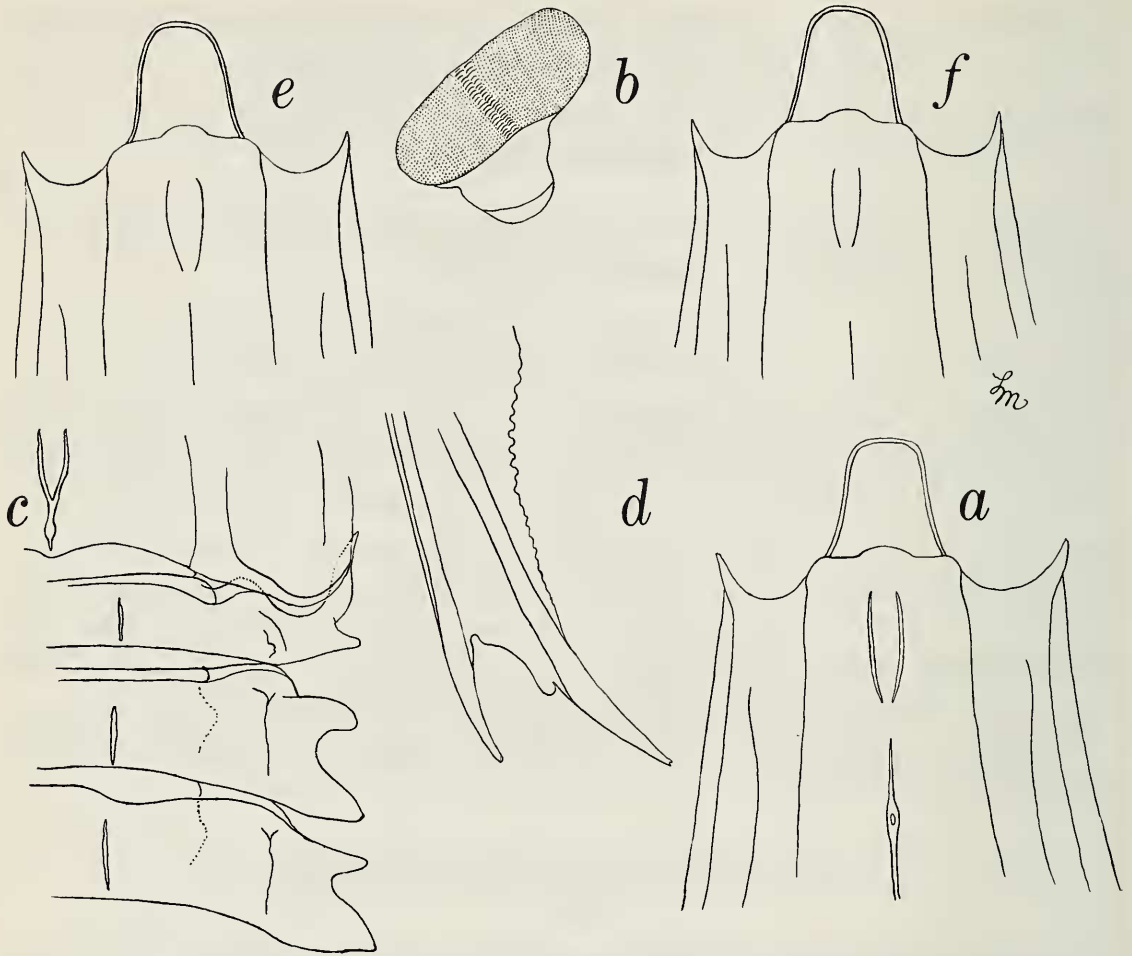


Fig. 1. *Oratosquilla megalops*, male holotype, 69 mm: a, Anterior part of carapace; b, Eye; c, Lateral processes of exposed thoracic somites; d, Basal prolongation of uropod. Anterior part of carapace of: e, Male paratype, 63 mm; f, Smallest male paratype, carapace length 12.2 mm.

examined, 47 mm long, had a similar corneal index, 309. Specimens of *O. hindustanica* 60 to 70 mm long had corneal indices ranging from 338 to 373.

The present material strongly suggests that each of the morphological forms recognized in *O. sollicitans* (see Manning, 1978:26–28, fig. 15a–d) probably represents a distinct species.

#### Literature Cited

- Manning, Raymond B. 1978. Further observations on *Oratosquilla*, with accounts of two new genera and nine new species (Crustacea: Stomatopoda: Squillidae).—Smithsonian Contributions to Zoology, No. 272:1–44, figs. 1–25.

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