

**EURYSTHEUS TOGOENSIS SCHELLENBERG, A NEW RECORD OF
AMPHIPODA FROM THE MADRAS COAST**

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WHILE studying the amphipod fauna of the east coast of India, the author met with an interesting amphipod, *Eurystheus togoensis* Schellenberg, previously known from Togos and Congo and presently recorded for the first time from India. A short description and figures of this species are given here. The author is thankful to Dr. H.-E. Gruner, Zoological Museum, Berlin, for sending Dr. Schellenberg's papers on Amphipoda.

Family PHOTIDAE

Genus *Eurystheus* Bate

Eurystheus togoensis Schellenberg

(Fig. 1)

Eurystheus togoensis Schellenberg, 1925, p. 177, fig. 23.

Schellenberg, 1939, p. 136, fig. 29.

Material : 30 examples of males and females from the washings of holothurians and stones at Royapuram beach, Madras ; 2 males from algae at Rameswaram, Palk Bay. Length upto 5.5 mm.

Description : *Male* : Ocular lobes elongate and acute in front. Eyes dark and oblong. Epimeral plates rectangular and postero-inferior corner rounded. Antennae subequal in length and fringed with long setae. Antenna 1 with peduncular joint 1 as long as 3rd and shorter than 2nd. Flagellum 9-jointed and twice as long as 3rd joint of peduncle. Accessory flagellum 4-jointed. Antenna 2, 4th and 5th joints of peduncle subequal in length and together longer than the flagellum which is 9-jointed. Mouth parts typical of the genus.

Gnathopod 1 with side plate oblong and a little produced towards anterior corner. 2nd joint stout. 5th joint shorter than 6th, hind margin densely setose. 6th joint oblong, twice as long as broad and hind margin setose. Palm oblique, half as long as hind margin and slightly convex with short setae. Dactylus longer than palm, acute-tipped and inner margin serrate. Gnathopod 2 large and almost naked. 2nd joint stout. 4th joint produced distally and reaching 6th joint. 5th joint very short, triangular and the narrow hind lobe not protruding between joints 4 and 6. 6th joint large, elongate-oval. Palm about 2/3 as long as front margin, with a tubercular and flat-topped prominence near hinge of dactylus, then running very obliquely, almost parallel with front margin and defined by a short, acute tooth which is continuous with hind margin. Dactylus stout, falcate and as long as palm.

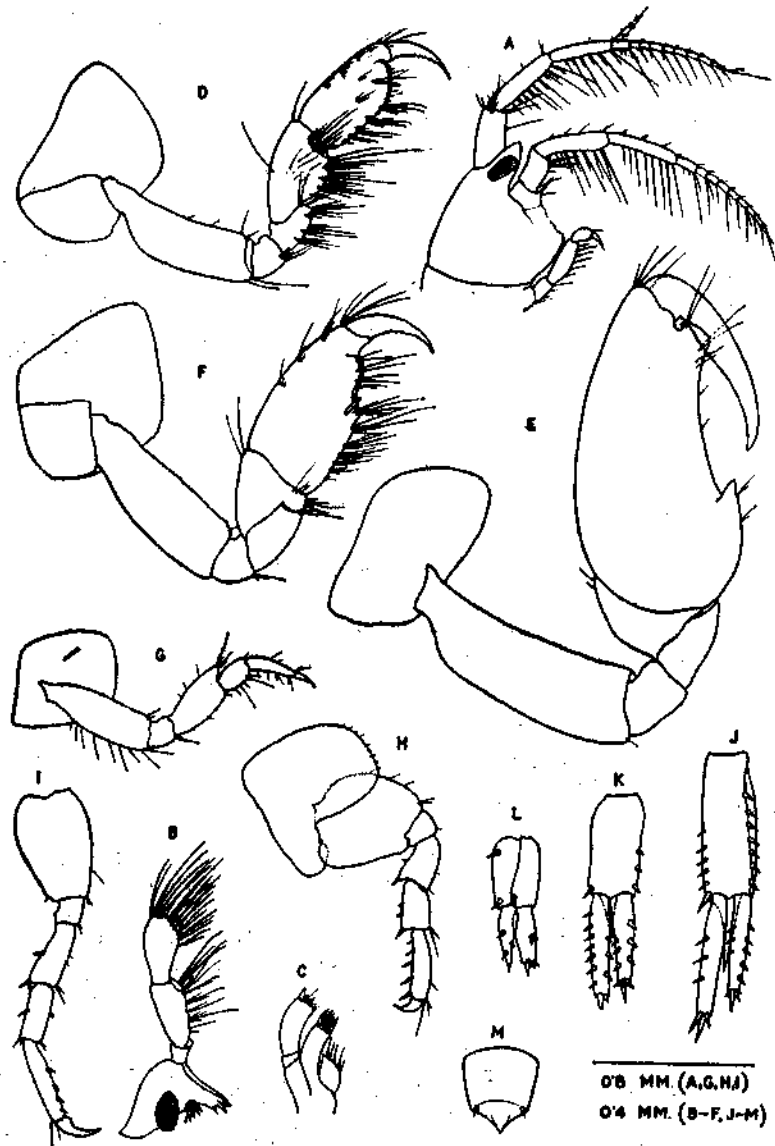


FIG. 1. *Eurystheus togoensis* Schellenberg. *Female*: A. head; B. mandible; C. maxilla 1; D. gnathopod 1; F. gnathopod 2; G. pereopod 2; H. pereopod 3; I. pereopod 5; J, K, L. uropods 1-3; M. telson. *Male*: E. gnathopod 2.

Peraeopods 1 and 2 identical. Side plate quadrate. 2nd and 4th joints stout. Dactylus slender. Peraeopod 3 with the front lobe of side plate large and quadrate. 2nd joint widest near the base, front margin convex and hind margin nearly straight and smooth. Joints 4-6 with spines on hind margin. Peraeopod 4 similar to the next. Peraeopod 5 with 2nd joint oblong and narrowing distally and hind margin smooth. Joints 4-6 as usual with a few spines. Dactylus long and curved.

Uropods 1 and 2 with the outer ramus shorter than inner and bordered on both margins by spines. Peduncle with a long, stout and median spine distally. Uropod 3 with rami subequal and the inner ending acutely.

Telson semi-cylindrical, hollowed out distally on dorsal side and produced medianly into an acute lobe. Lateral angles each with a spine and a seta.

Female : Similar to the male except in gnathopod 2. Gnathopod 2 with side plate quadrate. 2nd joint stout and long. 4th joint twice as long as 3rd. 5th joint more than half the length of 6th. Hind lobe narrow, rounded and setose. 6th joint with front and hind margins setose. Palm half as long as hind margin, oblique, wavy, anterior half convex with 2 tubercles, posterior half concave and defined by a stout spine. Dactylus acute-tipped, curved and serrate on inner margin.

Remarks : Except for their larger size, these specimens closely agree with Schellenberg's (1925) description and figures.

Distribution : Togos, Congo (West Africa) and now recorded for the first time from India.

REFERENCES

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