

Fifth Peræopods missing.

Pleopods.—Coupling spines not observed, cleft spine single; joints of the rami numbering about five or six.

Uropods.—The relative dimensions of the first and second pairs much as in the two preceding species. The third pair missing.

The Telson appeared to be rather shorter in proportion to its length than in the preceding species.

Length.—The specimen, in the (curled) position figured, measured, in a straight line from the rostrum to the back of the third pleon-segment, one-tenth of an inch.

Locality.—Station 186, in Flinders Passage; lat. 10° 30' S., long. 142° 18' E.; depth, 7 to 8 fathoms; bottom, coral mud. One specimen.

Remarks.—The specific name refers to the place of capture.

Between this species and *Leucothoë brevidigitata*, Miers,¹ the following differences may be noticed. Mr. Miers' specimen, obtained at Thursday Island, was very much larger, "length about 7½ lines (16 millim.)"; the flagellum of the upper antennæ was thirteen or fourteen jointed; the first gnathopods "have their basus joints moderately dilated, with the posterior margins thin-edged and hairy;" the front margin of the wrist is much longer, to judge by the figure, than in the Challenger species; in the second gnathopods the carpus is said to be "very short, and produced along the posterior margin of the propus for less than half its length," while the figure shows the palm of the hand very long and concave instead of convex; nothing is said of the fringe of setæ on the front margin of the first joint and hind margin of the wrist of the first gnathopods, which are very noticeable features in *Leucothoë flindersi*, nor is mention made of the long cylinders on the flagellum of the upper antennæ. Nevertheless the possibility remains that the specimen here described may be only the young form of *Leucothoë brevidigitata*.

Genus *Seba*, Costa.

(?) *Seba*, Costa (?).

1862. „ Spence Bate, Brit. Mus. Catal. Amph. Crust., p. 159.

1875. „ Stebbing, Ann. and Mag. Nat. Hist., ser. 4, vol. xv. p. 2.

1884. *Teraticum*, Chilton, Trans. New Zealand Inst., vol. xvi. p. 257.

1885. *Seba*, Chilton, New Zealand Journ. Sci., vol. ii. p. 320.

The original authority for this genus has thus far eluded my researches. For a definition, apparently translated from a memoir by A. Costa, see Note on Spence Bate, 1862 (p. 334). For a second, independent definition, see Note on Chilton, 1884 (p. 550). The genus makes some approach to *Leucothoë* in the proportions of the mandibular

¹ "Alert" Report, p. 313, pl. xxxiv. fig A, 1884.