

hairs, without terminal spine, by the exterior and interior rami of the uropoda being equal in length, and by the minute, triangular telson." He gives the length as "26 mm.," as though he had seen and examined a specimen, since Guérin's measurement is "long de neuf lignes." The hairy wrists of the second gnathopods and the equal rami of the uropods agree with Guérin's figures, but Guérin makes no mention of these characters in his text, and the figures by themselves certainly cannot be trusted. If all the particulars of Guérin's account were to be accepted, his species would be unique, since he gives four joints to the mandibular palp, only five joints apiece to the gnathopods and peræopods, and can find no joints at all in the maxillipeds. Whether the southern specimens here described belong to Guérin's species or not, they certainly bear a very striking resemblance to the northern species, *Euthemisto libellula* (Mandt), in some of its stages of growth.

Euthemisto thomsoni, n. n. (Pls. CLXXIV., CLXXV.).

1879. *Themisto antarctica*, Thomson, Trans. New Zealand Inst., vol. xi. p. 243, pl. xd. figs. 2, 3
(non Dana).

1886. " " Thomson and Chilton, Trans. New Zealand Inst., vol. xviii. p. 151.

Peræon and *Pleon* carinate, the last three segments of the peræon and the first three of the pleon having the hind margin produced into a strong dorsal tooth; the peræon broad at the centre, especially in the female; the first three segments of the pleon laterally ridged, with the postero-lateral angles produced into small acute points.

Upper Antennæ.—First joint of the peduncle longer than broad, the two following very short; the flagellum in the female consisting of a single joint, long, tapering, sharply curved at the tip, with small spines and setules round the convex margin, the concave margin rather deeply serrate till near the apex, a fringe of slender filaments projecting from a parallel inner margin; in the male the flagellum terminates in several slender joints.

Lower Antennæ.—Third (first free) joint of the peduncle little longer than broad, fourth considerably longer than the third, fifth longer than the two together; flagellum in the female consisting of one slender, tapering joint, considerably longer than the peduncle; in the male the flagellum has a long first joint followed by several short ones.

The Mouth-Organs agree so closely in all their main features with those described for *Euthemisto gaudichaudii* that it is unnecessary to do more than refer to the figures on Plate CLXXV.

First Gnathopods closely agreeing with those of *Euthemisto gaudichaudii*.

Second Gnathopods differing little from those of *Euthemisto gaudichaudii*, unless in having the process of the wrist longer, reaching nearly to the extremity of the hand.

First Peræopods.—The armature and general structure of both the first and second peræopods are similar to those in *Euthemisto gaudichaudii*, but in the particular specimen