

*Euthemisto australis*, n. sp.

Back very slightly or not compressed; first three segments of the pleon large, with the postero-lateral angles produced into acute points and the lower margins serrulate.

*Upper Antennæ*.—First joint of the peduncle nearly as broad as long, the two following joints short; first joint of the flagellum broad and long, fringed with a brush of filaments, the second and third joints very short, followed by eight slender joints.

*Lower Antennæ*.—Gland-cone conspicuous, the three free joints of the peduncle as in the other species; the flagellum (in the male) of many long and slender joints, together sometimes nearly as long as the animal.

*Mouth-Organs* so far as observed similar to those in the other species, but in the mandibular palp the second joint is about twice as long as the first and a very little longer than the third.

*The Gnathopods* agree closely with those of small specimens of *Euthemisto gaudichaudii* (see Pl. CLXXIII.).

*First Peræopods*.—The first joint narrow at the neck, which is a little bent, widened below, with two little spines on the lower part of the hind margin; the front margin channelled below; the second joint with two spines on the hind margin; the third joint widening distally, longer than the second joint, the hind margin nearly straight, very hairy, carrying three little spines; the fourth joint longer than the third, widening distally, the hind margin continuous with that of the preceding joint, and hairy like that, carrying four spines, not so long as the front margin which is smooth and a little convex, the inner surface having a row of five unequal spines, the distal margin sinuous, projecting behind the fifth joint, on the inner surface minutely pectinate; the fifth joint longer but much narrower than the fourth, the front margin convex, smooth except for a few little spinules, the hind margin straight, pectinate, and carrying six or seven spinules, the inner surface armed with eight unequal spines; the finger curved, smooth, scarcely half the length of the fifth joint.

*Second Peræopods* similar to the first, except in the first joint which is longer, and the fourth which is longer and scarcely so broad, forming a narrow oval, without the characteristic distal widening found in the preceding pair, so that below the lowest spine of the hind margin there is here a further tract of that margin, which in the preceding pair is bent so as to form part of the distal margin; the fifth joint not longer than the fourth, and not longer than the corresponding joint in the first peræopods.

*Third Peræopods*.—First joint narrow above, widened below, channelled behind, with the outer margin triflingly serrate, the sinuous front margin having some small spines; the second joint short; the third more than twice as long as the second, the straight front margin hairy, carrying some spinules, and at the apex a spine, and a smaller one within the apex, the hind margin produced into a subacute apex carrying a