

as long as the ophthalmopod, and supporting a scaphocerite that reaches beyond the distal extremity of the second joint of the first pair of antennæ; the outer margin is armed with a long, slender tooth, somewhat distant from the rounded apex, which is fringed with a series of fine hairs.

Oral apparatus situated halfway between the frontal and posterior margins of the carapace.

The mandible furnished with a long synnhipod, which does not reach to the frontal margin of the carapace.

The first pair of gnathopoda has the ischium and meros reaching but a little in front of the oral apparatus, and the whole of the appendage when extended scarcely reaches to the frontal margin of the carapace.

The second pair of gnathopoda is missing, being broken off at the coxa, which is broad and formed for carrying a powerful organ.

The first pair of pereopoda is short as compared with the second and third, but not much shorter than the first pair of gnathopoda; the ischium and meros are long and robust, and the two terminal joints feeble and ciliated. The second and third pairs are long, slender, fringed with long hairs, and terminate in minute but long, fringed chelæ. The fourth pair is about half the length of the preceding, and fringed with long hairs on the posterior margin of the distal extremity. Fifth pair little more than half the length of the fourth, very slender, and fringed with hairs.

Pleopoda long and slender, gradually decreasing in length and increasing in breadth posteriorly.

Posterior pair having the outer branch nearly twice as long as the telson; outer margin straight and armed with a small tooth one-fourth distant from the extremity, beyond which the margin is fringed with short hairs, as also are the inner margin and both margins of the inner plate.

*Habitat*.—South Atlantic Ocean, October 5, 1873; near Station 131; lat. 29° 35' S. long. 28° 9' W.

Length, 25 mm. (1 in.).

Station 295, November 5, 1875; lat. 38° 7' S., long. 94° 4' W.; South Pacific Ocean; depth, 1500 fathoms; surface temperature, 52°·5. Taken at night.

Length, 8 mm. (0·3 in.).

*Observations*.—This species comes very near to *Sergestes tenuiremis*, Kröyer, but differs from it in the form of the rostrum, which is represented in Kröyer's figure as standing erect on the dorsal surface, but which in our specimen is reduced to a mere point on the frontal margin.

The specimen from the South Pacific is more pronounced than that from the South Atlantic, and the ophthalmopod corresponds more nearly with Kröyer's species.