

Notostomus, excepting in the relative lengths of the several joints and in having the mastigobranchial plates larger in proportion.

The second pair of gnathopoda is broken off near the mero-carpal articulation, but the joints remaining are compressed and curved.

The pereopoda so far as preserved resemble those of *Hymenodora mollis*, and are remarkable for the great length of the propodos, which is cylindrical, and for the flattened or compressed condition of the ischium and meros. The first two pairs are chelate and slender, the second being more slender than the first and having the carpos longer than the propodos, and all are furnished with a well-developed basecephysis.

The first pair of pleopoda has the inner ramus reduced to a rudimentary condition; all the others have the two branches subequal, the inner of the anterior pair carrying a long, slender, and cylindrical stylamblys, the extremity of which is furnished with a bundle of small cincinnuli. The posterior pair is too much damaged to be described, but what remains appears to be of generic character.

Hymenodora rostrata, n. sp. (Pl. CXXXVI. fig. 4).

Dorsal surface of the carapace laterally compressed and anteriorly produced in a depressed line to a sharply pointed rostrum, that reaches as far as the distal extremity of the first joint of the first pair of antennæ, and furnished on the upper surface with eight small denticles; inferior margin smooth and receding obliquely to the orbit, which is clearly defined but furnished with no tooth at the outer canthus. First and second antennal teeth small; the second is strengthened by a long carina-like ridge that proceeds posteriorly from it.

Pleon slightly carinated and produced to a small tooth on the fourth and fifth somites; on the third and sixth the carina terminates abruptly.

Length, entire,	40 mm. (1.5 in.).
„ of carapace,	15 „
„ of rostrum,	3 „
„ of pleon,	25 „
„ of third somite of pleon,	5 „
„ of sixth somite of pleon,	65 „
„ of telson,	9 „

Habitat.—Station 184, August 29, 1874; lat. 12° 8' S., long. 145° 10' E.; near Torres Strait; depth, 1400 fathoms; bottom, Globigerina ooze; bottom temperature, 36°. One specimen, male. Trawled.

Station 205, November 13, 1874; lat. 16° 42' N.; long. 119° 22' S.; Philippine Islands; depth, 1050 fathoms; bottom, blue mud; bottom temperature, 37°. One specimen, male. Trawled.