

opposite directions, both of which, but more particularly the outer one, are furnished with numerous secondary branches beset with regular rows of gill-lobules. It should, however, be noted, that the specimen submitted to dissection was not yet full grown, and accordingly the gills here figured may be strictly somewhat less complex than in adult animals.

The caudal limbs, or pleopoda (fig. 18), do not differ in their structure from those in other Euphausiidæ.

The telson (see fig. 3) exhibits the usual slender form, tapering gradually toward the apex, which is much produced and drawn out to a very acute point. On examining this point under a high magnifying power, it is found to be armed on either side with two very small secondary teeth (see fig. 3a). Moreover, on the dorsal face of the telson four pairs of small denticles occur, disposed at regular intervals. The subapical spines project but very slightly beyond the tip of the telson, and are quite smooth.

The uropoda (*ibid.*) are shorter than the telson, and have the inner plate a trifle longer, but much narrower than the outer.

The luminous globules agree in every respect, as to number, arrangement, and structure, with those of the genus *Euphausia*.

Habitat.—The specimens of this form collected during the Expedition were taken at the surface of the sea in two different localities:—

Date.	Locality.
August 11 to 12, 1874. August 25, 1874. *	Pacific, off Kandavu, Fiji Islands. West Pacific, Api to Cape York.

Exclusive of these specimens having the aspect peculiar to the adult animal, the characteristic larval form of this species (to be described further on) has been met with in many other localities, showing the distribution of the species to be rather extensive. I annex a list of localities:—

Date.	Locality.
August 23, 1873. January 9, 1875. February 6, 1875. February 1875. August 24, 1875. August 30, 1875. September 12, 1875. March 21, 1876. April 6, 1876. May 12, 1876.	Tropical Atlantic (Station 104). Off Luzon, Philippine Islands. Off Mindanao, Celebes Sea. West Pacific, north of New Guinea. Pacific, 400 miles south of Hawaii, Sandwich Islands. Tropical part of Pacific. Tropical part of Pacific. South Atlantic (Station 338). Tropical part of Atlantic. North Atlantic.