

2. *Hemicalanus orientalis*, n. sp. (Pl. IX. figs. 8, 9, and Pl. X. figs. 1-4).

Anterior antennæ (Pl. X. fig. 1) as long as the body, slender, and rather densely clothed with long setæ. The rostrum is long and slender, and the swimming feet much more robust than in the preceding species. One specimen only was found. Length, 1-9th of an inch (2·8 mm.). *Male* unknown.

Habitat.—Between Arrou and Banda.

3. *Hemicalanus aculeatus*, n. sp. (Pl. XLVI. figs. 2-4).

Length, 23-100ths of an inch (5·75 mm.). Forehead produced and sharply aculeated, body subcylindrical, cephalothorax six or seven times as long as the united lengths of abdomen and furca. Anterior antennæ longer than the body, twenty-five-jointed, basal joints short and clothed with plumose hairs, distal joints much more slender and bearing non-plumose setæ. Secondary branch of the posterior antenna long, six-jointed, and bearing very long plumose hairs, those of the primary branch non-plumose. Four pairs of swimming feet, which have all the branches three-jointed, the outer branches of all except the first pair bearing beautifully plumose setæ. Abdominal segments, except the first, extremely short; caudal lamellæ subquadrate, not much longer than broad and slightly divergent; setæ five, the outer about half as long as the inner, all densely plumose, the longest about twice the length of the abdomen. The proximal halves of the setæ throughout the body are usually either destitute of plumes or have them only slightly developed; colour of the plumes smoky brown.

I have seen only one specimen of *Hemicalanus aculeatus*, which was mounted during the cruise and labelled "Deep haul, 23rd July 1875, Pacific." The drawing of the whole animal given in Pl. XLVI. was taken from the mounting, and shows all that I could make out of the details before dissection.

Pleuromma, Claus.

Pleuromma, Claus, Die frei lebenden Copepoden, 1863.

Metridia, Boeck, Oversigt af Norges Marine Copepoder (1864).

„ Brady, Monog. British Copepoda, 1878.

Head distinct from the thorax; fourth and fifth segments of the thorax coalescent; abdomen composed in the male of five, in the female of three segments. Anterior antennæ twenty-five-jointed in the female, that of the left side in the male twenty-three-jointed,¹ that of the right side nineteen-jointed and geniculated between the

¹ In some cases the eighth and ninth articulations of the left antennæ are distinctly marked, and this condition is shown in the plate.