

the carapace; the third joint of the peduncle is subequal in length to the second, and the two together are equal in length to the first.

“ The second pair of antennæ with the scaphocerite sublinear, and six times as long as broad; the last joint of the peduncle is linear, and three times as long as broad.

“ Sixth somite of the pleon scarcely a sixth part of the length of the entire animal, but fully as long as the first and second somites together, scarcely shorter than the fourth and fifth somites together, more than twice as long as broad, and scarcely one-third longer than the telson; it is armed with a sharp point on the posterior dorsal margin.

“ Pleopoda very slender, the anterior pair nearly subsetiform.

“ Rhipidura having the external branch armed with a sharp point, about one-fourth distant from the apex.

“ *Habitat.*—Greenland” (Kröyer).

*Observations.*—No specimen in the Challenger collection corresponds precisely with the description and figure given by Kröyer, but there are three forms that somewhat closely resemble it. Two were taken in the North Pacific, and one in the North Atlantic.

The one described as *Sergestes præcollus* was taken north of the Sandwich Islands. It corresponds most closely, but differs in having the rostrum reduced to a mere angle, and the ophthalmopoda slightly compressed behind the ophthalmus, the stalk gradually decreasing to the articulation; and carries a very long and outwardly directed tooth on the outer margin of the outer plates of the rhipidura, in the position mentioned by Kröyer.

*Sergestes longicollus*, n. sp. (Pl. LXXVII. fig. 1).

Rostrum reduced to a small point on the frontal margin. Carapace considerably more than one-third the length of the animal, little less than one-half, exclusive of the telson.

Pleon dorsally smooth; the four anterior somites subequal, the fifth a little longer than the preceding, all with the infero-lateral angles rounded off; sixth about twice as long as the fifth, posteriorly furnished with a small dorsal tooth.

Telson about half the length of the sixth somite.

Ophthalmopod one-fifth as long as the carapace, and reaching as far as the extremity of the first joint of the peduncle of the first pair of antennæ. Ophthalmus a little broader than the stalk, which gradually narrows to the base.

First pair of antennæ with the first joint as long as the ophthalmopod, the second joint about half the length of the first, and the third subequal to, or a trifle longer than, the second; flagellum wanting, secondary branch slender and feeble, and as long as the third joint.

Second pair of antennæ with the terminal joint of the peduncle cylindrical and