

*Sergestes præcollus*, n. sp. (Pl. LXXVII. fig. 2).

Very closely resembling *Sergestes longicollus*, but differing in certain details, of which the following are the most important.

The fifth somite of the pleon in *Sergestes præcollus* has the posterior margin dorsally produced to a point; the sixth somite is not produced to a point posteriorly.

The scaphocerite is broad and armed on the anterior margin with a subapical tooth; inner margin sparsely fringed with short hairs. The oral apparatus is a little in advance of the centre of the carapace.

The first pair of gnathopoda is rather more robust than in *Sergestes longicollus*, and is produced to a truncated tubercle at the posterior angle of the coxal joint.

The second pair of gnathopoda is tolerably long and robust; the distal joints are not more slender than the proximal, and are fringed with cilia.

The first pair of pereopoda is two-thirds the length of the second pair of gnathopoda, and is not furnished with a prehensile apparatus at the ultimate articulation.

The third and fourth pairs of pereopoda are subequal and terminate in a short and fringed chela.

The sixth pair of pleopoda has the outer plate furnished with a small tooth nearly halfway from the distal apex; the margin beyond the tooth being slightly excavated and fringed with hairs, also the inner margin and both margins of the inner plate.

The carapace in this, as in the preceding species, has the lower margin closely folded beneath the ventral surface and deepens posteriorly.

Length, 25 mm. (1 in.).

*Habitat*.—North Pacific Ocean.

*Observations*.—The specimen is one of those that corresponds closely with *Sergestes tenuiremis*, but differs from it and from *Sergestes longicollus* in the form of the posterior pair of pleopoda, which is armed on the outer margin with a tooth more distant from the distal extremity of the plate, and has the space beyond it slightly concave. These species and *Sergestes junceus* all agree with *Sergestes tenuiremis* in having the distance between the oral appendages and the antennal or frontal region considerably prolonged, and suggest an approximation to the genus *Leucifer*, with which name von Willemoes Suhm has labelled one of the specimens that was mounted for microscopic use.

*Sergestes semiarmis*, n. sp. (Pl. LXVII. fig. 1).

Rostrum sharp, straight, armed on the upper surface with a small tooth, and reaching to about half the length of the first joint of the peduncle of the first pair of antennæ. Carapace nearly a third of the length of the animal, having the frontal margin furnished with a strong tooth on the outer side of the first pair of antennæ.