

elongate, with the apices more acute, as is also the case with the fourth joint, the marginal armature of the whole limb being stronger; also in the fifth peræopods the first joint is more dilated; the inner ramus of the pleopods has six, the outer seven, joints; the length of the specimen in a slightly curved position was one-fifth of an inch.

*Phorcorrhaphis edwardsi*, n. sp. (Pl. CLXXXI.).

First segment of the peræon as long as the two following together; postero-lateral angles of the first pleon-segment squared, of the two following segments obtuse.

*Eyes* occupying the sides of the head.

*Upper Antennæ* similar to those of *Phorcorrhaphis zamboangæ*, but of the three subterminal joints of the flagellum the first is the longest; the large first joint of the flagellum has a great brush of filaments.

*Lower Antennæ* minute as in the species just mentioned, the terminal joint of the peduncle longer than the two preceding together, and also longer than the two-jointed flagellum.

*Mouth Organs* very minute, not made out with sufficient distinctness for description; the general character, as might be expected, the same as in the preceding species.

*First Gnathopods*.—First joint elongate, oval, as long as the four following together, gland-cells large; the second joint a little longer than broad; the third a little longer than the second, with oblique distal margin; the wrist longer than the third joint, a little shorter than the hand, which is straight, with the margins very slightly convex; the finger curved, half the length of the hand, or rather more.

*Second Gnathopods*.—All the joints longer than in the first gnathopods, the first joint more slender, longer than the four following joints together; the wrist and hand each a little longer than the third joint; the finger almost straight, very slender, tipped with a slender nail, and with this as long as the hand.

*First Peræopods* longer and much stouter than the gnathopods, the margins almost entirely smooth. The first joint not much longer than that of the second gnathopods, the second longer than broad, the third longer than the fourth, subequal in length to the slightly curved fifth; the finger about half the length of the fifth joint, bent.

*Second Peræopods* like the first, but with most of the joints longer; the bent finger not half the length of the fifth joint.

*Third Peræopods*.—Branchial vesicles shorter than the first joint, narrow at the neck, widened below, with an indent in the lower margin. The limb similar to that of *Phorcorrhaphis zamboangæ*, the first joint rather more widened near the base, with four or five little indents along the front margin, the third joint considerably longer than the first, the fifth longer than the third and much longer than the fourth. In one specimen, mounted in Canada balsam during the voyage, one of the extremely fragile