

are by no means always longer than the third, the reverse being more probably always the case; the length of the fifth peræopods, together with their possession of a full complement of joints, makes it inappropriate to speak of them as "presque rudimentaires."

*Phorcorrhaphis zamboangæ*, n. sp. (Pl. CLXXX.)

First segment of the peræon longer than the next two united.

*Eyes* obscure, probably covering the sides of the head.

*Upper Antennæ*.—The first joint of the peduncle scarcely longer than broad, perhaps representing the first two joints coalesced; a short second (or third) joint seems on the under side to be coalesced with the flagellum, of which the first joint is longer than the peduncle, tumid, tapering, the breast seemingly prepared for about fifteen transverse rows of filaments; on the upper side there is a small slender second joint affixed, which does not reach the apex of the first. The remainder missing.

*Lower Antennæ* attached below near the back of the head, much smaller than the upper; third (first free) joint once and a half as long as the fourth; fourth not broader than long; fifth about as long as the first, a setule at the lower apex; these three joints in a continuous line; the first joint of the flagellum equal in length to the last of the peduncle, half its breadth, bent down at right angles to it; the second joint minute, blunt, narrower than the first and not half its length.

*Mouth Organs* very small and feeble; the *Epistome* appears to be shallow and flat-topped; of the *Mandibles* four figures are given, one of part of a mandible in connection with the epistome, two of a mandible in connection with the maxillipeds, and one of part of a mandible flattened out and showing the dentate cutting edge, but owing to the minuteness of the objects these figures are all more or less speculative; if the appearances can be trusted the *First Maxillæ* consist each of a single long plate apically armed with a few straight spines, and the *Second Maxillæ* each of a narrow triangular unarmed plate; the *Maxillipeds* are broad, the inner plate broad, distally rounded, and smooth-edged, the outer plates folding partially round its sides and projecting not far beyond it.

*First Gnathopods* small and smooth. The first joint with convex margins, narrowest at each extremity, not so long as the four following joints together, the muscles occupying a very small space; the second joint a little curved, longer than broad, longer than the third joint; the fourth longer than the second; the fifth longer than the fourth, with both margins convex, but the front the more so; the finger more than half the length of the fifth joint.

*Second Gnathopods* longer than the first, not inserted close to them, the structure very similar but the first joint narrower; the third joint as long as the second, the finger as