

*Lycæopsis pauli*, n. sp.

*Head* much deeper than long, deeper than the peræon ; postero-lateral angles of the first three pleon-segments squared, or with scarcely perceptible outdrawn points ; the fourth pleon-segment shorter than the following composite segment.

*Upper Antennæ* lying directed downwards within the frontal groove of the head ; first joint longer than the second ; the third longer than the preceding two together, tapering, with filaments on the inner margin ; the following joint short and almost linear.

*Lower Antennæ* placed just behind and above the mouth organs ; the joint containing the gland-cone partially free, the next or third joint of the peduncle longer than the fourth, but slightly shorter than the fifth ; the flagellum at right angles to the peduncle, the first joint shorter and much narrower than the last of the peduncle, the second or terminal joint not half the length of the first.

*First Gnathopods*.—First joint with the front margin almost straight and the hind margin nearly parallel to it, the joint being very slightly dilated above ; the larger part of it occupied by the gland-cells ; the second joint longer than broad, bent ; the third scarcely so long as the second, the fourth rather longer than the second, with convex front margin ; the fifth longer than the fourth, narrowed distally ; the finger curved, strong, much more than half the length of the fifth joint, the limb seemingly smooth throughout.

*Second Gnathopods*.—The first joint narrower than in the first pair, with parallel margins, the front convex, the hinder concave ; the second joint considerably longer than broad, the third longer than the second, the fourth not longer than the third ; the fifth longer than the fourth ; the finger rather longer than the hand, almost straight, with a narrow, slightly curved, acute nail.

*First Peræopods* much longer and stouter than the gnathopods ; the first joint straight, a very little widened below ; the second joint with the hinder margin longer than the breadth of the joint ; the third joint longer and broader than the fourth, with convex front margin ; the fifth joint longer than the fourth, scarcely so long as the third, tapering, a little curved ; the finger not half the length of the fifth joint, bulbous at the base, then suddenly narrowed and bent, the terminal part straight, tapering to a sharp point, the distal division being longer than the proximal ; the limb like the gnathopods almost entirely smooth.

*Second Peræopods* scarcely differing from the first, except that the joints are rather longer.

*Third Peræopods*.—Side-plates bilobed, broader than deep. Branchial vesicles small scarcely half the length of the first joint, irregularly oval, narrower at the neck than distally. The first joint expanded but not widely, neither margin being strongly convex,