

we must include most of those here referred to the genera *Macrocypris*, *Argillæcia*, and *Pontocypris*.

Phlyctenophora zealandica, n. sp. (Pl. III. fig. 1, *a-m*).

Carapace elongated, compressed; seen from the side, subsiliquose; greatest height situated in the middle, and equal to less than half the length; anterior extremity well rounded, posterior narrowed, and ending in a subacute angle near the ventral surface; dorsal margin well arched, and continued in an unbroken curve to the infero-posteal angle, ventral margin slightly sinuated in the middle; seen from above, the outline is ovate, widest in the middle, and tapering only slightly to the broadly-rounded extremities; width and height about equal; end view subcircular, rather narrowed and angular below. Shell-surface smooth, whitish, marked with a few irregular strigæ of a blackish hue, and on the ventral surface with a broad longitudinal and transversely striated squamous band. Length, 1-26th of an inch (.98 mm.).

Several specimens of this species were taken in the tow-net at trawl in Wellington Harbour, New Zealand; at Port Jackson, Australia, in a depth of 2 to 10 fathoms; and at Humboldt Bay, Papua, in 37 fathoms.

[Pl. III. fig. 1, *a-m*. *a* Carapace seen from left side, *b* from above, *c* from below, *d* from front, *e* anterior antenna, *f* posterior antenna, *g* mandible, *h* first maxilla, *i* second maxilla, *j* first foot, *k* second foot, *l* postabdominal ramus, *m* spermatie gland of male. The figures of the shell magnified 50 diameters.]

Aglaia, G. S. Brady.

Aglaia, Brady, Les Fonds de la Mer, tom. i., 1867.

Aglaia, Brady, Crosskey, and Robertson, Post-Tertiary Entomostraca, 1874.

Shell smooth and polished, of about equal height before and behind, compressed, subcylindrical. Anterior antennæ seven-jointed, beset with short stout setæ; posterior robust, and bearing at the apex of each joint several strong curved setæ; furnished also with a very small hyaline vesicle, and on the penultimate joint with a lash of very short setæ. Mandibles slender, divided at the extremity into about five blunt teeth, and furnished with a large, narrow, branchial palp. First pair of jaws divided into four elongated segments, and bearing a distinct branchial appendage; second pair also provided with a branchial lamina, and with a simple conical setiferous palp. First pair of feet long, five-jointed, with a long terminal claw; second pair flexuous, four-jointed, last joint armed with three setæ, one of which is very long, and finely pectinate on its inner margin. Postabdominal rami moderately robust, bearing two curved terminal claws, one seta on the anterior, and two on the posterior margin. Testis disposed round the body of the animal; mucous gland of the male elongated, and composed of seven series of whorled filaments.