

like processes of no great length, but fewer and more prominent on the dorsal margin; the posterior dorsal angle has one spine somewhat larger and more conspicuous than the rest; seen from above, the outline is very irregular, consisting of a central mass which has on each side a deep median indentation, and of two broad truncated terminal portions; seen endwise, it is likewise of irregular form, having two strongly-developed lateral protuberances projecting from a broad central portion. The central mass of the shell is bounded on all sides, except the dorsal, by a transversely corrugated encircling zone, the edges of which are irregularly dentated; and on the sides of the valves, placed one behind another, in the middle line are three short strongly-elevated crests, each of which is divided into three or four tooth-like segments. Length, 1-40th of an inch (.65 mm.).

Dredged at Port Jackson, 2 to 10 fathoms, and in 16 to 25 fathoms off the Admiralty Islands.

[Pl. XXIII. fig. 6, *a-d*. *a* Shell seen from left side, *b* from above, *c* from below, *d* from front. All magnified 50 diameters.]

86. *Cythere velivola*, n. sp. (Pl. XXIII. fig. 4, *a-c*).

Valves, seen laterally, oblong, much higher in front than behind, height equal to two-thirds of the length; anterior extremity broadly rounded, divided into numerous broad, blunt squamous teeth of various sizes; posterior extremely narrow, rounded, and bearing four or five thick, gnarled teeth, those at the ventral angle being longer than the rest; dorsal margin cut up into several broad squamous processes, and bearing at its posterior angle a very long and stout curved spine; the ventral margin is nearly straight, and in the middle third of its course is produced laterally, forming a very strongly projecting alaeform plate; seen from above, the outline is excessively compressed and almost linear, except in the middle, where the lateral ala forms a remarkable angular projection. The general surface of the valves is much depressed and sinks towards the extremities, forming a sort of trough, which is bounded externally by a somewhat elevated and irregularly lacinated belt; the central area is slightly undulated, and bears a few scattered circular papillæ. Length, 1-40th of an inch (.65 mm.).

A few detached valves of this remarkable little species were found in a dredging from Station 189, lat. 9° 59' S., long. 137° 50' E., 28 fathoms.

[Pl. XXIII, fig. 4, *a-c*. *a* Left valve seen from side, *b* right valve seen from side, *c* left valve seen from below. Magnified 60 diameters.]

Cytheridea, Bosquet.

Cytheridea, Bosquet, Entom. fossil. des Terres tertiair. (1850).

Valves unequal, the left mostly larger than the right, ovate or subtriangular, highest in front; surface smooth, or marked with scattered circular tubercles, impressed puncta