

epidermide olivacea induta, costis radiantibus tuberculatis circiter undeviginti instructa, incrementi lineis in interstitiis sculpta. Lunula parva, fuscescens, elongato-cordata, impressa. Margo dorsi posticus rectiusculus parum obliquus, anticus leviter concavus, valde declivis, brevior. Latus posticum latum, rotunde subtruncatum, anticum angustius rotundatum. Margo ventris late curvatus. Umbones in circa $\frac{1}{4}$ longitudinis collocati.

This species is considerably longer than high, somewhat square, broader behind than in front, very inequilateral, and moderately convex. It is white, spotted upon the ribs with pale red, and more or less covered with an olive epidermis. The sculpture consists of about nineteen radiating costæ, which are rather slender, about as broad as the intervening sulci, and covered with small compressed nodules. In addition the grooves are crossed with rather strongly marked lines of growth. The lunule is generally tinged with brown, somewhat impressed, and elongate cordiform. The beaks are placed well towards the front, being about one-fourth of the length from that extremity. The central tooth of the right valve is large, white, acute above, and triangular, the two of the left valve diverging, and much smaller. The muscular scars are orange or brown, and the inner margin of the valves is strongly dentate.

Length 13 mm., height $11\frac{1}{2}$, diameter 9.

Habitat.—Station 162, off East Monceur Island, Bass Strait, in 38 to 40 fathoms.

This species was originally described by Deshayes from specimens said to have been collected in New Zealand, a locality not since confirmed, for Captain Hutton, in his Manual of New Zealand Mollusca, includes this species in the fauna of that country merely on the authority of the type-shells.

Cardita astartoides, Martens (Pl. XV. figs. 2–2c).

Cardita astartoides, Martens, Sitzungsberichte Gesellsch. Nat. Freunde, Berlin, 1878, p. 25.

Testa suborbiculata, crassa, antice et postice subæqualiter rotundata, margine dorsali antico concavo, postico convexo, gibbo, margine ventrali æqualiter arcuato; costis radiantibus latiusculis circa 18, parum elevatis, interstitia subæquantibus et lineis concentricis undulatis costas æque ac interstitia percurrentibus sculpta, periostraco crasso, nigrofusco costas suboccultante vestita. Dens cardinalis medius valvæ dextræ interdum distincte bifidus, anticus valvæ sinistræ subvalidus, trigonus, lateribus perpendiculariter decisus; impressio muscularis antica elongata, postica brevior.

Length 31 mm., height 27, diameter 15.

Habitat.—Station 149, Royal Sound, at Balfour Bay, Kerguelen Island, in 20 to 60 fathoms; and Station 150, between Kerguelen and Heard Islands, in 150 fathoms.

This species, as pointed out by Martens, bears a great resemblance to the North American *Cardita borealis* of Conrad, and may be regarded as the southern representa-