

valve's surface, and consequently bounded by an acute edge extending from the umbo almost to the posterior extremity of the shell. In front there is a shallow elongate lunule, but not strongly defined. The umbones are small, acute, and just prominent above the hinge-line. The two cardinal teeth in the right valve are about equal in size, diverge from one another, being united at the upper extremities. The anterior slopes towards the front, and the posterior in the opposite direction. The lateral grooves for the reception of the side teeth in the left valve are rather remote from the apex, and the posterior one does not extend to the umbo, being interrupted by the margin which borders the internal ligament. This is narrow, elongate, and placed in a very oblique, deep pit, subparallel with the posterior slope. The adductor scars are somewhat pyriform, the hinder one being the broader. The siphonal inflection is very deep, extending some distance beyond the middle of the valve, and is rather acuminate at the anterior extremity. The interior is glossy and indistinctly radiately substriated.

Length $15\frac{1}{2}$ mm., height $9\frac{1}{3}$, diameter about 4.

Habitat.—Station 122, off Pernambuco, Brazil, at a depth of 350 fathoms; red mud.

This is a more compressed species than *Semele (Abra) philippinensis*, with straighter dorsal margins, and at once distinguished by the flat posterior area.

Semele (Abra) philippinensis, n. sp. (Pl. V. figs. 3-3d).

Testa tenuis, subdiaphana albida, zonis pellucidis hic illic ornata, concentricè tenuiter striata, subæquilateralis, transversim elongata, antice rotundata, postice valde acuminata, utrinque angustissime hians. Lunula angusta, lanceolata, haud profunda. Valvarum pagina interna lævigata, superne prope umbones minute corrugata. Sinus pallii latus, profundissimus. Dentes cardinales valvæ dextræ duo inæquales, sinistræ tantum unus, laterales prominentes, ab apicibus modice remoti.

This shell is transversely elongated, more than one and a half times as long as high, sharply rounded in front, and acuminate posteriorly. It is thin, somewhat gaping at each end, not very compressed, semitransparent, glossy, ornamented with alternate opaque and diaphanous concentric zones, the former being the broader, and sculptured with very fine lines of growth. The dorsal outline is subrectilinear posteriorly, and obliquely descending, in front being all but horizontal, feebly concave close to the beaks in the region of a small lanceolate lunule, and then faintly arcuate. The ventral margin is very broadly curved, and more ascending at the anterior than the opposite extremity. The umbones are small, a little post-median, but slightly elevated, and turned very slightly towards the front, and are nearly in contact. The two cardinal teeth in the right valve are unequal in size, diverging, and situated in front of the narrow and very oblique