

with the hinder slope. The interior of the valves is somewhat glossy towards the outer margins, whilst in the centre and subumbonal region it is minutely subgranular. It is also marked with a faint radiating substriation. The anterior muscular scar is very elongate, pyriform, and not nearly so broad as the posterior. The siphonal inflection is broad, and terminates in a sharply rounded extremity far beyond the middle of the valves. From this extremity a shallow groove extends towards the beaks, and a similar impressed ray (although insignificant) is generally observable radiating from the umbo to the inner margin of the posterior adductor scar.

Length 18 mm., height 12, diameter $5\frac{2}{3}$. A smaller specimen is $12\frac{1}{2}$ long, $8\frac{1}{2}$ high, and $3\frac{1}{2}$ in diameter.

Habitat.—Station 85, near the Canary Islands; depth, 1125 fathoms. Station 73, west of the Azores; depth, 1000 fathoms. Station 98, west of Sierra Leone, in 1750 fathoms. Station 244, Mid North Pacific, at a depth of 2900 fathoms.

Two specimens from the last locality I fail to distinguish from those from the Atlantic. They may be a little narrower and not quite so acute posteriorly, but with the exception of these trifling and possibly individual peculiarities I can discover no essential specific differences. *Abra longicallus* (Scacchi) closely resembles this species, but is a little narrower, not quite so acute at the posterior end, and has a shallower pallial sinus.

Semele (Theora) iridescens (Hinds) (Pl. V. figs. 6-6b).

Neava iridescens, Hinds, Proc. Zool. Soc. Lond., 1843, p. 78.

Theora iridescens, H. and A. Adams, Gen. Rec. Moll., vol. ii. p. 370.

Theora iridescens, A. Adams, Ann. and Mag. Nat. Hist., 1864, vol. xiii. p. 209.

Theora iridescens, Tryon, Amer. Journ. Conch., vol. iv., Appendix, p. 118.

Testa tenuis, subhyalina, vitreo-alba, valde nitida, inæquilateralis, æquivalvis, utrinque anguste hians, antice lata, rotundata, postice cuneata, paulo ventricosa, incrementi lineis striata. Margo dorsi anticus primo vix arcuatus, dein oblique curvatus, posticus recte declivis. Ventris margo late arcuatus, postice leviter sinuatus. Umbones mediocriter magni, supra cardinem paulo prominentes. Dentes cardinales duo ante fossam ligamenti in valva dextra collocati, unicus in valva sinistra. Dentes laterales utrinque tenues, prominentes. Fossa cartilaginis obliqua, intus recedens. Sinus pallii magnus, profundissimus. Pagina interna radiatim et confertim striata.

Length $17\frac{1}{2}$ mm., height 11, diameter 8.

Habitat.—Amboina, in 15 to 20 fathoms (Challenger); Island of Luzon, Philippines (Hinds); Yobuka, Japan (A. Adams).

The above description is drawn up from the type specimens in the British Museum, as the single valve obtained by the Challenger is but immature. From this it will be seen that the details of the hinge do not correspond with the description given by Messrs.