

Station 122, September 10, 1873; off the coast of South America, between Pernambuco and Bahia; lat. $9^{\circ} 5' S.$, long. $34^{\circ} 50' W.$; depth, 350 fathoms; bottom, red mud.

Station 185, August 31, 1874; off Raine Island; lat. $11^{\circ} 35' 25'' S.$, long. $144^{\circ} 2' 0'' E.$; depth, 135 fathoms; bottom, coral sand.

*8. *Cavolinia inflexa* (Lesueur).

1813. *Hyalæa inflexa*, Lesueur, Mémoire sur quelques animaux mollusques, &c., Nouv. Bull. Soc. Philom., t. iii. p. 285, pl. v. fig. 3.

1821. *Hyalæa elongata*, Lesueur, MS., in de Blainville, Hyale, Dict. d. Sci. Nat., t. xxii. p. 82.

1835. *Hyalæa vaginellina*, Cantraine, Bull. Acad. d. Sci. Bruxelles, t. ii. p. 380.

1836. *Hyalæa labiata*, d'Orbigny, Voyage dans l'Amérique méridionale, t. v. p. 104, pl. vi. figs. 21-25.

1836. *Hyalæa uncinata*, Hoeninghaus, MS., in Philippi, Enumeratio Molluscorum utriusque Siciliæ, p. 101, pl. vi. fig. 18 (*non* Rang).

1880. *Hyalæa imitans*, Pfeffer, Die Pteropoden des Hamburger Museums, Abhandl. Naturw. Ver. Hamburg, Bd. vii. p. 90, pl. vii. fig. 9a.

For description and figures, see Boas, Spolia atlantica, p. 123, pl. i. fig. 11; pl. ii. fig. 21.

It is not possible to admit the specific separation of the forms *labiata* and *inflexa*, which are linked to one another by gradual transitional forms (Boas, *loc. cit.*, pl. vi. fig. 98). It is more natural to regard them simply as local varieties, though it must be noted that they are not always respectively confined to distinct localities, but may occur together, as for instance in the Indian Ocean.

Habitat.—Atlantic Ocean; from $41^{\circ} 35' N.$ (Boas) to $40^{\circ} S.$ (Knocker), towards both Old and New Worlds; Mediterranean.

Indian Ocean; from the Gulf of Bengal (Pfeffer) to $42^{\circ} S.$ (Benson), from the coast of Africa (Zanzibar) to Australia.

Pacific Ocean; western portion, Strait of Corea, China Sea (Boas), Port Jackson (Angas); eastern portion from $13^{\circ} N.$ to $42^{\circ} S.$

Challenger Specimens.—I. Living.

Station 142, December 18, 1873; Cape of Good Hope to $46^{\circ} S.$; lat. $35^{\circ} 4' S.$, long. $18^{\circ} 37' E.$

Station 143, December 19, 1873; Cape of Good Hope to $46^{\circ} S.$; lat. $36^{\circ} 48' S.$, long. $19^{\circ} 24' E.$

Station 175, August 12, 1874; off the Fiji Islands; lat. $19^{\circ} 2' S.$, long. $177^{\circ} 10' E.$

Station 181, August 25, 1874; Fiji to Raine Island; lat. $13^{\circ} 50' S.$, long. $151^{\circ} 49' E.$

Near Station 230, April 4, 1875; Admiralty Islands to Yokohama; lat. $25^{\circ} 33' N.$, long. $137^{\circ} 57' E.$