

Station 78, July 10, 1873; off the Azores; lat. $37^{\circ} 26' N.$, long. $25^{\circ} 13' W.$; depth, 1000 fathoms; bottom, volcanic mud.

Station 85, July 19, 1873; off Palma Island (Canaries); lat. $28^{\circ} 42' N.$, long. $18^{\circ} 6' W.$; depth, 1125 fathoms; bottom, volcanic mud.

Station 120, September 9, 1873; off the coast of South America, between Pernambuco and Bahia; lat. $8^{\circ} 37' S.$, long. $34^{\circ} 28' W.$; depth, 675 fathoms; bottom, red mud.

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 164; June 12, 1874; off Sydney; lat. $34^{\circ} 8' S.$, long. $152^{\circ} 0' E.$; depth, 950 fathoms; bottom, green 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.

Station 335, March 16, 1876; Tristan da Cunha to Ascension Island; lat. $32^{\circ} 24' S.$, long. $13^{\circ} 5' W.$; depth, 1425 fathoms; bottom, Pteropod ooze.

*2. *Cavolinia quadridentata* (Lesueur).

1821. *Hyalæa quadridentata*, Lesueur, MS., in Blainville, Hyale, Dict. d. Sci. Nat., t. xxii. p. 81.

1836. *Hyalæa quadrispinosa*, d'Orbigny, Voyage dans l'Amérique méridionale, t. v. p. 85.

1850. *Cavolina quadridentata*, Gray, Catalogue of the Mollusca in the Collection of the British Museum, pt. ii., Pteropoda, p. 8.

1852. *Hyalæa inermis*, Gould, The Mollusca and Shells of the U.S. Exploring Expedition, pl. li. fig. 604.

1877. *Hyalæa minuta*, Sowerby, in Reeve, Conchologia iconica, t. xx., Pteropoda, fig. 9.

1877. *Hyalæa intermedia*, Sowerby, *Ibid.*, fig. 10.

1879. *Hyalæa costata*, Pfeffer, Uebersicht der auf S.M. Schiff Gazelle und von Dr. Jagor gesammelten Pteropoden, Monatsber. d. k. preuss. Akad. d. Wiss. Berlin, 1879, p. 234.

For description and figures, see Boas, *Spolia atlantica*, p. 99, pl. i. fig. 4; pl. ii. fig. 15.

Habitat.—Atlantic Ocean; from $34^{\circ} 30' N.$ to $17^{\circ} 0' S.$ (Knocker).

Indian Ocean; from the Gulf of Bengal to the Cape (Pfeffer), from the coasts of Africa (Red Sea, Madagascar, Natal) to Australia. The specimens from the Indian Ocean all belong to the form *costata*.¹

Pacific Ocean; western portion, Yellow Sea (British Museum), China Sea (Boas), Port Jackson (Angas); eastern portion from $36^{\circ} N.$ to $28^{\circ} S.$ (Knocker).

Challenger Specimens.—I. Living specimens.

Station 175, August 12, 1874; Fiji to Raine Island; 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. $151^{\circ} 49' E.$

Station 216A, February 16, 1875; north of New Guinea; lat. $2^{\circ} 56' N.$, long. $134^{\circ} 11' E.$

¹ Pfeffer (Die Pteropoden des Hamburger Museums, *Abhandl. Naturw. Ver. Hamburg*, t. vii. p. 91) also records the form *costata* from the Atlantic.