

times going and returning, I have not found in the Challenger collection a single Atlantic specimen of *Cavolinia globulosa*.

*Challenger Specimens*.—Living specimens.

Near Station 213, February 7, 1875; at Samboangan; lat.  $5^{\circ} 59' N.$ , long.  $123^{\circ} 38' E.$   
Station 216A, February 16, 1875; north of New Guinea; lat.  $2^{\circ} 56' N.$ , long.  $134^{\circ} 11' E.$

\*5. *Cavolinia gibbosa* (Rang).

1836. *Hyalæa gibbosa*, Rang, MS., in d'Orbigny, Voyage dans l'Amérique méridionale, t. v. p. 95, pl. v. figs. 16–20.

1836. *Hyalæa flava*, d'Orbigny, *Ibid.*, p. 97, pl. v. figs. 21–25.

1880. *Hyalæa gegenbauri*, Pfeffer, Die Pteropoden der Hamburger Museums, Abhandl. Naturw. Ver. Hamburg, Bd. vii. p. 86, figs. 5, 7.

For description and figures, see Boas, *Spolia atlantica*, p. 109, pl. i. fig. 6; pl. ii. fig. 17.

*Habitat*.—Atlantic Ocean; from  $43^{\circ} 10' N.$  to  $38^{\circ} 16' S.$ , from the coasts of America to those of the Old World; Mediterranean, Messina, &c.

Indian Ocean; southern portions,  $22^{\circ} S.$  (Boas) to  $41^{\circ} S.$  (Pfeffer), from Africa (Madagascar, Natal) to Australia.

Pacific Ocean; western portion, Yellow Sea (British Museum), China Sea (Boas),  $16^{\circ} N.$ ,  $165^{\circ} E.$  ("Vettor Pisani" Expedition), Port Jackson (Angas), off Tahiti (Knocker); South-east Pacific ("Galathea" Expedition).

*Challenger Specimens*.—I. Living specimens.

Station VII<sub>F</sub>, February 2, 1873; off Madeira; lat.  $32^{\circ} 27' 0'' N.$ , long.  $16^{\circ} 40' 30'' W.$

Between Stations 162 and 163, April 3, 1873; Melbourne to Sydney; lat.  $38^{\circ} 7' S.$ , long.  $149^{\circ} 18' E.$

Station 230, April 5, 1875; Admiralty Island to Yokohama; lat.  $26^{\circ} 29' N.$ , long.  $137^{\circ} 57' E.$

Station 249, July 7, 1875; Yokohama to Sandwich Islands; lat.  $37^{\circ} 59' N.$ , long.  $171^{\circ} 48' W.$

August—September 1875; Sandwich Islands to Tahiti.

II. Deposit shells.

Station 23, March 15, 1873; off Sombrero Island; lat.  $18^{\circ} 24' N.$ , long.  $63^{\circ} 28' W.$ ; depth, 450 fathoms; bottom, Pteropod ooze.

Station 24, March 25, 1873; off Culebra Island; lat.  $18^{\circ} 38' 30'' N.$ , long.  $65^{\circ} 5' 30'' W.$ ; depth, 390 fathoms; bottom, Pteropod ooze.

Station 70, June 26, 1873; Bermuda to Azores; lat.  $38^{\circ} 25' N.$ , long.  $35^{\circ} 50' W.$ ; depth, 1675 fathoms; bottom, Globigerina ooze.

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