

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

Station 256, July 21, 1875; Yokohama to Sandwich Islands; lat. $30^{\circ} 22' N.$, long. $154^{\circ} 56' W.$

Station 295, November 5, 1875; Tahiti to Valparaiso; lat. $38^{\circ} 7' S.$, long. $94^{\circ} 4' W.$

Station 327, March 4, 1876; Rio de Janeiro to Tristan da Cunha; lat. $36^{\circ} 48' S.$, long. $42^{\circ} 45' W.$

II. Deposit shells.

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 33, April 4, 1873; off Bermuda; lat. $32^{\circ} 21' 30'' N.$, long. $64^{\circ} 35' 55'' W.$; depth, 435 fathoms; bottom, coral mud.

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 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 323, February 28, 1876; Falkland Islands to Rio de la Plata; lat. $35^{\circ} 39' S.$, long. $50^{\circ} 47' W.$; depth, 1900 fathoms; bottom, blue mud.

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.

As we have seen above, there are thirteen specific titles with various generic designations (*Hyalæa*, *Cleodora*, *Pleuropus*) applied to forms which we regard as young stages of some species of *Cavolinia*.

Of these thirteen names it is necessary in the first instance to eliminate (1) *Hyalæa complanata*, Gegenbaur, 1855 (= *Hyalæa longifilis*, Troschel, 1855), and (2) *Pleuropus pellucidus*, Eschscholtz (mistakenly identified by Gray as *Cleodora curvata*, Souleyet), which, in spite of the inadequacy of the figure and description given by Eschscholtz, appears to correspond to *Hyalæa depressa*, d'Orbigny. Since the figures and description given by the latter are more satisfactory, his designation *Hyalæa depressa* is the one adopted.