

In addition, the following are recorded in the note-books (April 5 to 8):—
 Oscillatoriaceæ, *Noctiluca*, *Ethmodiscus*, *Coscinodiscus*, many small Diatoms in chains, *Vorticella* on *Bacteriastrum*, *Peridinium* (two species), *Pyrocystis* (two varieties), *Globigerina*, *Orbulina*, *Hastigerina*, *Pulvinulina*, Acanthometræ, Polycystinæ (some very fine specimens from tow-net sent down to 400 fathoms), Collosphæridæ, Medusæ, *Velella*, *Porpita*, Ctenophoræ, Echinoderm larvæ, *Sagitta*, *Alciopa*, *Tomopteris*, Sipunculid and other larvæ, curious Annelid (from tow-net sent down to 400 fathoms), *Cypridina* (several species), *Calanus*, *Saphirina*, and other Copepods, Hyperids, *Phronima*, *Oxycephalus*, *Euphausia* and larvæ, *Lucifer*, *Phyllosoma*, *Sergestes* larvæ, small crab, small Lamellibranchs, *Ethella*, *Atlanta*, *Carinaria*, Pteropod larvæ, *Appendicularia* (two varieties), *Doliolum*, larval *Amphioxus* and Scopelids with phosphorescent spots. A male shark (*Carcharias glaucus*), eight feet in length, was caught; it had four pilot fish about it. Mr Murray was away in a boat examining the surface with a water-glass. The water was very clear; only Oscillatoriaceæ, small Crustacea, Radiolaria, and long strings of Diatoms could be observed. Whales were seen spouting near the ship on the evening of the 6th. The presence of *Noctiluca*, larval *Amphioxus*, Echinoderm and Annelid larvæ, numerous small Diatoms, and Infusoria, indicated the presence of brackish water, probably carried from the coast of Asia by the Japan current.

STATION 230.

Station 231 (Sounding 369), Admiralty Islands to Yokohama (see Chart 31 and Diagram 16).

STATION 231.

April 9, 1875; lat. 31° 8' N., long. 137° 8' E.

Temperature of air at noon, 65°·3; mean for the day, 64°·7.

Temperature of water:—

Surface,	64·0	250 fathoms,	43·0
10 fathoms,	63·2	275 "	41·8
20 "	62·4	300 "	40·7
30 "	61·6	400 "	38·2
40 "	60·8	500 "	37·3
50 "	59·9	600 "	37·0
60 "	59·1	700 "	36·7
70 "	58·3	800 "	36·4
80 "	57·5	900 "	36·2
90 "	56·6	1000 "	36·0
100 "	55·8	1100 "	35·8
125 "	53·4	1200 "	35·6
150 "	51·2	1300 "	35·4
175 "	49·2	1400 "	35·2
200 "	47·0	1500 "	35·2
225 "	45·0	Bottom,	35·2