

STATION 229.

Sergestes, crab, *Zoëæ*, *Halobates*, *Ianthina*, small shells, *Glaucus*, *Atlanta*, *Cardiopoda*, *Carinaria*, *Pneumonoderma*, *Eurybia* [= *Halopsyche*], *Hyalæa* [= *Cavolinia*], *Styliola*, *Cleodora* [= *Clio*] *balantium*, *Appendicularia*, *Salpa*, *Pyrosoma*, several fishes (large Stomiatidæ and Scopelids four inches in length). A shark was caught, a female *Carcharias*, six feet in length, with the tips of the fins white.

Willemoes-Suhm writes: "The tow-net brought in some very fine things. *Salpæ* and *Medusæ* filled the water, along with very large *Collosphæridæ*. There were also *Ctenophoræ*, huge specimens of *Alciopa* with intense black spots, small *Tomopteris*, Crustacea in great abundance, especially Copepods, and Amphipods belonging to the genera *Anchylomera* and *Hyperia*, and also *Dithyrus*, the coxæ of the pereopods of which are so singularly enlarged as to form a ventral cavity with the abdomen, and closes up the animal entirely. *Phyllosoma* was very common in all stages, and will furnish very valuable material for working out the development of the Pacific Loricata. The specimens of *Halobates* were constantly smaller than the Atlantic specimens. There were many small fishes, including Stomiatidæ with phosphorescent lateral spots, some over two inches in length. *Verella*, which has seldom been taken, made its appearance, along with its parasite *Ianthina*, and *Porpita* and *Glaucus*. Among the Pteropods I found several specimens of *Cleodora balantium* with the animals—a Mollusc we have never taken alive before, and is, I believe, considered to be very rare."

STATION 230.

Station 230 (Sounding 368), Admiralty Islands to Yokohama (see Chart 31 and Diagram 16).

April 5, 1875; lat. 26° 29' N., long. 137° 57' E.

Temperature of air at noon, 73°·3; mean for the day, 70°·5

Temperature of water:—

Surface,	68·5	400 fathoms,	43·0
25 fathoms,	67·0	500 "	39·7
50 "	66·0	600 "	38·0
75 "	65·0	700 "	37·2
100 "	63·9	800 "	36·7
125 "	62·8	900 "	36·3
150 "	61·7	1000 "	35·9
175 "	60·7	1100 "	35·5
200 "	59·7	1200 "	35·5
225 "	58·2	1300 "	35·5
250 "	56·0	1400 "	35·5
275 "	53·3	1500 "	35·5
300 "	50·5	Bottom,	35·5