

Distance at noon from east point of Oahu Island, 133 miles. Made good 98 miles. STATION 259.
Amount of current 10 miles, direction S. 73° W.

Surface Organisms.—The following species is recorded from tow-net sent down to 1000 fathoms at this Station :— ORGANISMS FROM SURFACE-NETS.

FISHES (Günther, Zool. pt. 78).

Branchiostoma pelagicum, n.sp.

The tow-nets at the surface procured the usual organisms, including many *Globigerinæ* with long spines. Four nets were sent down to 1000 fathoms, and brought up : Diatoms, *Pyrocystis* (two forms), *Peridinium*, Oscillatoriaceæ, *Hastigerina*, *Pulvinulina*, larvæ of *Chirodota* and *Balanoglossus*, Annelids, *Cypridina*, *Saphirina* and other Copepods, Phronimids, *Euphausia*, *Sergestes*, *Salpa*, *Appendicularia*, *Amphioxus* and several small fishes. Many of the specimens of *Pyrocystis* were again noticed to be in a state of division ; the outer surfaces of the spheres were covered with little pellucid dots which coloured deeply with carmine.

Station 260 (Sounding 402), Yokohama to Sandwich Islands (see Chart 37).

STATION 260.

July 27, 1875 ; lat. 21° 11' N., long. 157° 17' W.

Temperature of air at noon, 77°·8 ; mean for the day, 76°·9.

Temperature of water :—

Surface,	76·8	110 fathoms,	55·8
10 fathoms,	76·8	120 "	54·3
20 "	76·4	130 "	53·0
30 "	76·0	140 "	51·8
40 "	75·3	150 "	50·5
50 "	73·9	160 "	49·4
60 "	71·5	170 "	48·3
70 "	68·2	180 "	47·6
80 "	63·7	190 "	46·9
90 "	60·4	200 "	46·3
100 "	57·8	Bottom,	44·0

Density at 60° F. at surface, 1·02565 ; bottom, 1·02542.

Depth, 310 fathoms ; deposit, Volcanic Mud.

At 5 A.M. observed land ahead, the island of Molokai on the left, and Oahu Island in the distance on the right. At 5.45 A.M. proceeded under steam. At 8 A.M. stopped to