

STATION 247.

which are abundant in the deposits, but which are only rarely taken in the surface-nets. In addition to the above, the following are recorded in the note-books:—Diatoms, *Peridinium (Ceratum) tripos*, *Globigerina*, *Orbulina*, *Hastigerina*, *Pulvinulina*, Medusæ, *Agalmopsis* and other Siphonophoræ, *Sagitta*, tubicolous Annelids, *Cypridina*, *Saphirina* and other Copepods, *Archizoëa*, *Anchylomera*, Phronimids, *Vibilia*, *Bopyrus*, *Euphausia*, *Siriella*, *Ethella*, *Atlanta*, *Cuvierina* and other Pteropods and larvæ, *Salpa*, *Appendicularia*. Small blue *Salpæ*, *Saphirina*, Cirriped Zoëæ, *Cypridina*, and *Orbulina* were especially abundant. *Pyrocystis* was apparently absent from the surface since June 24 (Station 242).

STATION 248.

Station 248 (Sounding 390), Yokohama to Sandwich Islands (see Chart 36 and Diagram 18).

July 5, 1875; lat. 37° 41' N., long. 177° 4' W.

Temperature of air at noon, 73°·3; mean for the day, 71°·1.

Temperature of water:—

Surface,	69·2	300 fathoms,	42·0
10 fathoms,	62·9	400 "	39·6
20 "	60·2	500 "	38·0
30 "	57·5	600 "	37·1
40 "	55·5	700 "	36·5
50 "	54·5	800 "	36·2
75 "	53·0	900 "	36·0
100 "	51·6	1000 "	35·8
125 "	50·2	1100 "	35·6
150 "	49·0	1200 "	35·4
175 "	47·8	1300 "	35·2
200 "	46·5	1400 "	35·1
225 "	45·2	1500 "	35·1
250 "	44·0	Bottom,	35·1
275 "	43·0		

Density at 60° F.:—

Surface,	1·02573	200 fathoms,	1·02525
25 fathoms,	1·02548	300 "	1·02520
50 "	1·02547	400 "	1·02522
100 "	1·02537	2475 "	1·02517

Depth, 2900 fathoms; deposit, Red Clay, containing only a trace of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 4.40 A.M. stopped, put trawl over, and veered 3000 fathoms. At 6 A.M. brought