

In addition, the following are recorded in the note-books from the surface and down to 30 fathoms:—*Ceratium (Peridinium) tripos*, *Globigerina*, *Orbulina*, *Hastigerina*, *Acanthometrae* and compound Radiolaria, *Sagitta*, *Tomopteris*, *Evadne*, *Cypridina*, *Euphausia* and larvæ, larvæ of *Sergestes*, *Atlanta*, *Oxygyrus*, Pteropods, small transparent Cephalopods, *Appendicularia*, *Fritillaria*, *Doliolum*, *Salpa*, fish eggs. A large whale was seen close to the ship. STATION 296.

Station 297 (Sounding 442), Tahiti to Valparaiso (see Chart 38, and Diagrams 20 and 21). STATION 297.

November 11, 1875; lat. 37° 29' S., long. 83° 7' W.

Temperature of air at noon, 57°·3; mean for the day, 55°·9.

Temperature of water:—

Surface,	57·0	500 fathoms,	39·1
25 fathoms,	55·5	600 "	38·2
50 "	53·7	700 "	37·4
75 "	51·9	800 "	36·7
100 "	50·1	900 "	36·5
125 "	48·4	1000 "	36·4
150 "	47·0	1100 "	36·3
175 "	45·7	1200 "	36·2
200 "	44·5	1300 "	36·1
225 "	43·8	1400 "	36·0
250 "	43·1	1500 "	35·9
275 "	42·5	1600 "	35·8
300 "	41·9	1700 "	35·6
400 "	40·4	Bottom,	35·5

Density at 60° F.:—

Surface,	1·02542	300 fathoms,	1·02533
25 fathoms,	1·02529	400 "	1·02532
50 "	1·02526	800 "	1·02539
100 "	1·02518	1300 "	1·02554
200 "	1·02536	Bottom,	1·02565

Depth, 1775 fathoms; deposit, *Globigerina* Ooze, containing 71·15 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 5 A.M. stopped and sounded in 1775 fathoms; the sounding-tube brought up no trace of the bottom. Put trawl over, veering 2300 fathoms. Obtained serial temperatures from surface to bottom. Lowered whaler with naturalist, who shot a number of birds. At 1 P.M. commenced heaving in trawl, which came up fouled at 3.15 P.M., but containing