

STATION 341.

The tow-nets near the surface yielded a greater abundance of organisms than at the last few Stations, including:—*Pyrocystis*, *Ethmodiscus*, *Globigerina*, *Orbulina*, *Acanthometræ*, *Polycystinæ*, and compound Radiolaria, Siphonophoræ, *Sagitta*, *Tomopteris*, *Alciopa*, *Cypridina*, Copepods, Amphipods, *Euphausia*, *Sergestes* larvæ, *Pleuropus* [= *Cavolinia*] and other Pteropods and other small shells, *Doliolum*, and *Appendicularia*.

STATION 342.

Station 342 (Sounding 492), Tristan da Cunha to Ascension Island (see Chart 16 and Diagram 7).

March 26, 1876; lat. 9° 43' S., long. 13° 51' W.

Temperature of air at noon, 79°·5; mean for the day, 78°·9.

Temperature of water:—

Surface,	80·0	170 fathoms,	49·5
10 fathoms,	80·2	180 "	49·0
20 "	80·0	190 "	48·4
30 "	78·8	200 "	47·8
40 "	76·0	225 "	46·9
50 "	71·5	250 "	45·9
60 "	67·2	275 "	45·1
70 "	62·3	300 "	44·5
80 "	58·3	400 "	42·5
90 "	55·7	500 "	40·8
100 "	54·4	600 "	39·7
110 "	53·7	700 "	39·1
120 "	52·9	800 "	38·8
130 "	52·1	900 "	38·4
140 "	51·3	1000 "	38·2
150 "	50·6	Bottom,	37·5
160 "	50·0		

Density at 60° F.:—

Surface,	1·02721	300 fathoms,	1·02602
25 fathoms,	1·02708	400 "	1·02564
50 "	1·02688	900 "	1·02589
100 "	1·02599	Bottom,	1·02600
200 "	1·02612		

Depth, 1445 fathoms; deposit, Pteropod Ooze.

At 3 P.M. shortened and furled sails, and proceeded under steam to sound. At