

STATION 340.

80 fathoms,	64·3	225 fathoms,	45·7
90 " 	61·5	250 " 	44·3
100 " 	58·8	275 " 	43·0
110 " 	56·2	300 " 	42·0
120 " 	54·3	400 " 	39·9
130 " 	53·0	500 " 	39·4
140 " 	52·2	600 " 	39·2
150 " 	51·3	700 " 	39·0
160 " 	50·4	800 " 	38·8
170 " 	49·5	900 " 	38·6
180 " 	48·6	1000 " 	38·4
190 " 	47·7	Bottom,	37·6
200 " 	46·9		

Density at 60° F.:—

Surface,	1·02752	300 fathoms,	1·02575
25 fathoms,	1·02730	400 " 	1·02637
50 " 	1·02725	800 " 	1·02562
100 " 	1·02635	Bottom,	1·02598
200 " 	1·02731		

Depth, 1500 fathoms ; deposit, Pteropod Ooze.

At 1.15 P.M. shortened and furled sails, and proceeded under steam to sound. At 2 P.M. sounded in 1500 fathoms. Took serial temperatures down to 1000 fathoms. The carbonic acid was determined in water from the surface and 800 fathoms, and amounted respectively to 35·3 and 43·6 milligrammes per litre. At 4.20 P.M. completed temperatures, and at 4.30 P.M. made sail.

Ascension Island distant at noon, 414 miles ; St Helena, 460 miles. Made good 158 miles. Amount of current 19 miles, direction S. 81° W.

ORGANISMS FROM
SURFACE-NETS.

Surface Organisms.—The tow-nets near the surface yielded :—*Globigerina*, *Hastigerina*, *Acanthometræ* and compound Radiolaria, Medusæ, Siphonophoræ, *Sagitta*, *Cypridina*, Copepods, Phronimids, *Euphausia*, larval Pteropods, *Appendicularia*, *Salpa* (with Coccospheres and other minute organisms in the stomachs).

STATION 341.

Station 341 (Sounding 491), Tristan da Cunha to Ascension Island (see Chart 16 and Diagram 7).

March 25, 1876 ; lat. 12° 16' S., long. 13° 44' W.

Temperature of air at noon, 78°·3 ; mean for the day, 77°·5.