

*Hastigerina*, *Pulvinulina menardii*, Acanthometræ, Polycystinæ, and compound Radiolaria, several forms of Siphonophoræ, *Sagitta*, *Tomopteris*, *Alciopa*, Planarian larvæ, *Evadne*, *Copilia* and other Copepods, *Lucifer*, *Sergestes* and other Decapod larvæ, *Atlanta*, several forms of Pteropods and larvæ, and small fishes. The tow-nets at the weights came up wound round the line, but contained a few Challengeridæ and some living and dead Foraminifera. Some of the *Globigerinæ* were surrounded with a circle of sarcodæ, in which were entangled a great many Coccospheres, Rhabdospheres, *Peridinium*, and minute Infusorians.

STATION 335.

**Station 336** (Sounding 486), Tristan da Cunha to Ascension Island (see Chart 16 and Diagram 7).

STATION 336.

March 18, 1876 ; lat.  $27^{\circ} 54'$  S., long.  $13^{\circ} 13'$  W.

Temperature of air at noon,  $69^{\circ} \cdot 8$  ; mean for the day,  $71^{\circ} \cdot 6$ .

Temperature of water :—

Surface, . . . . .	76·0	400 fathoms, . . . . .	41·7
25 fathoms, . . . . .	69·8	500 " . . . . .	39·1
50 " . . . . .	65·0	600 " . . . . .	38·2
75 " . . . . .	62·0	700 " . . . . .	38·1
100 " . . . . .	59·7	800 " . . . . .	37·9
125 " . . . . .	57·5	900 " . . . . .	37·8
150 " . . . . .	55·5	1000 " . . . . .	37·7
175 " . . . . .	54·8	1100 " . . . . .	37·5
200 " . . . . .	51·9	1200 " . . . . .	37·4
225 " . . . . .	50·3	1300 " . . . . .	37·2
250 " . . . . .	48·7	1400 " . . . . .	37·1
275 " . . . . .	47·3	1500 " . . . . .	37·0
300 " . . . . .	46·1	Bottom, . . . . .	36·5

Density at  $60^{\circ}$  F. :—

Surface, . . . . .	1·02693	300 fathoms, . . . . .	1·02589
25 fathoms, . . . . .	1·02670	400 " . . . . .	1·02561
50 " . . . . .	1·02653	800 " . . . . .	1·02585
100 " . . . . .	1·02632	Bottom, . . . . .	1·02590
200 " . . . . .	1·02596		

Depth, 1890 fathoms ; deposit, *Globigerina* Ooze, containing 79·02 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 5 A.M. shortened and furled sails, and proceeded under steam to sound. At 6 A.M. sounded in 1890 fathoms. Only a small quantity of deposit came up in the sounding-tube. Obtained serial temperatures down to 1500 fathoms. At 10.30 A.M. completed observations and made sail to a strong south-easter, the ship going  $10\frac{1}{2}$  knots at noon.