

Density at 60° F. :—

STATION 339

Surface, . . . . .	1·02775	200 fathoms, . . . . .	1·02582
25 fathoms, . . . . .	1·02715	300 „ . . . . .	1·02559
50 „ . . . . .	1·02697	400 „ . . . . .	1·02560
100 „ . . . . .	1·02639	Bottom, . . . . .	1·02568

Depth, 1415 fathoms; deposit, Pteropod Ooze, containing 95·61 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 8 A.M. got up steam. At 9.40 A.M. shortened and furled sails, and proceeded under steam to sound. At 10 A.M. sounded in 1415 fathoms. The sounding-tube sunk ten inches into the bottom, and brought up over a litre of the ooze; many of the Pteropod, Heteropod, and Foraminifera shells were coloured black or brown by the oxides of manganese and iron. Took serial temperatures down to 1000 fathoms. The carbonic acid was determined in water from 400 fathoms, and amounted to 43·6 milligrammes per litre. At 12.30 P.M. completed observations and made sail.

Ascension Island distant at noon, 570 miles; St. Helena, 480 miles. Made good 134 miles. Amount of current 8 miles, direction S. 83° W.

**Surface Organisms.**—The following species is recorded from the surface at this Station :—

ORGANISMS FROM  
SURFACE-NETS.

PTEROPODA (Pelseneer, Zool. pt. 65).

*Clio (Creseis) acicula* (Rang).

The tow-nets at the surface and down to 100 fathoms yielded among other organisms:—*Hastigerina*, *Acanthometræ*, *Polycystinæ*, and compound Radiolaria, Medusæ, Siphonophoræ, *Cypridina*, Copepods, and *Amphion*.

**Station 340** (Sounding 490), Tristan da Cunha to Ascension Island (see Chart 16 and Diagram 7). STATION 340.

March 24, 1876; lat. 14° 33' S., long. 13° 42' W.

Temperature of air at noon, 77°·8; mean for the day, 76°·7.

Temperature of water :—

Surface, . . . . .	77·2	40 fathoms, . . . . .	74·1
10 fathoms, . . . . .	77·0	50 „ . . . . .	72·3
20 „ . . . . .	76·4	60 „ . . . . .	69·8
30 „ . . . . .	75·7	70 „ . . . . .	67·3