

## STATION 160.

## Temperature of water :—

Surface, . . . . .	55·0	450 fathoms, . . . . .	43·3
50 fathoms, . . . . .	51·8	500 „ . . . . .	41·6
100 „ . . . . .	48·5	600 „ . . . . .	38·5
150 „ . . . . .	47·9	700 „ . . . . .	37·0
200 „ . . . . .	47·7	800 „ . . . . .	36·8
250 „ . . . . .	47·5	900 „ . . . . .	36·6
300 „ . . . . .	47·2	1000 „ . . . . .	36·4
350 „ . . . . .	46·5	Bottom, . . . . .	33·9
400 „ . . . . .	44·9		

## Density at 60° F.:—

Surface, . . . . .	1·02570	300 fathoms, . . . . .	1·02560
50 fathoms, . . . . .	1·02576	400 „ . . . . .	1·02557
100 „ . . . . .	1·02565	Bottom, . . . . .	1·02570
200 „ . . . . .	1·02573		

Depth, 2600 fathoms; deposit, Red Clay, containing 18·56 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 6.10 A.M. shortened and furled sails, put over trawl, and veered 2500 fathoms. At 8 A.M. brought ship to wind, and proceeded under steam to sound. Sounded in 2600 fathoms; veered trawl-rope to 3450 fathoms. About half a litre of Red Clay came up in the sounding-tube. At noon obtained temperatures down to 1000 fathoms. The carbonic acid was determined in the bottom water, and amounted to 53·7 milligrammes per litre. At 2.30 P.M. commenced heaving in trawl, which came up at 5.30 P.M. with the net much torn, but containing numerous specimens, a quantity of Red Clay, with many manganese nodules, ear-bones of Cetaceans, and sharks' teeth. To the nodules were attached Cirripeds, *Antipathes*, *Terebratula*, and Tunicata. Observed albatrosses, molly mawks, night hawks, and mutton birds. At 6 P.M. made all plain sail.

Distance at noon from Cape Otway, 488 miles. Made good 149 miles. Amount of current 13 miles, direction N. 57° E.

ANIMALS FROM  
TRAWL

The following species are recorded in the Zoological Reports from the trawl at this Station :—

## HEXACTINELLIDA (Schulze, Zool. pt. 53).

*Holascus fibulatus*, n.g., n.sp. One specimen; obtained also at Stations 146 and 147.

## ANTIPATHARIA (Brook, Zool. pt. 80).

*Bathypathes tenuis*, n.g., n.sp. Several specimens; obtained at no other locality.