

STATION 158.

Temperature of water :—

| | | | |
|-----------------------|------|------------------------|------|
| Surface, | 45·0 | 800 fathoms, | 36·0 |
| 50 fathoms, | 44·5 | 900 „ | 36·0 |
| 100 „ | 43·4 | 1000 „ | 36·0 |
| 150 „ | 42·3 | 1100 „ | 36·0 |
| 200 „ | 41·3 | 1200 „ | 35·7 |
| 300 „ | 39·5 | 1300 „ | 35·3 |
| 400 „ | 38·2 | 1400 „ | 35·0 |
| 500 „ | 37·0 | 1500 „ | 34·7 |
| 600 „ | 36·3 | Bottom, | 33·5 |
| 700 „ | 36·0 | | |

Density at 60° F. :—

| | | | |
|-----------------------|---------|------------------------|---------|
| Surface, | 1·02522 | 200 fathoms, | 1·02548 |
| 50 fathoms, | 1·02522 | 315 „ | 1·02546 |
| 100 „ | 1·02544 | Bottom, | 1·02554 |

Depth, 1800 fathoms; deposit, Globigerina Ooze, containing 85·31 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 5 A.M. got up steam. At 6.40 A.M. shortened and furled sails. Put trawl over. At 8.30 A.M. sounded in 1800 fathoms. Obtained serial temperatures down to 1500 fathoms. The carbonic acid was determined in water from 50 fathoms, and amounted to 68·3 milligrammes per litre. At 2 P.M. commenced heaving in trawl, which came up at 3.45 P.M. with a quantity of ooze, some pebbles, and numerous specimens. At 4 P.M. made sail.

Distance at noon from Cape Otway, 1099 miles. Made good 180 miles. Amount of current 6 miles, direction S. 48° E.

ANIMALS FROM
TRAWL.

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

HEXACTINELLIDA (Schulze, Zool. pt. 53).

Hyalonema conus, n.sp. One specimen; obtained at no other locality.

ACTINIARIA (Hertwig, Zool. pt. 15).

Tealidium cingulatum, n.g., n.sp. One specimen; obtained at no other locality.
Only species of the genus.

CRINOIDEA (Carpenter, Zool. pt. 60).

Thaumatocrinus renovatus, n.g., n.sp. One specimen; obtained at no other locality.
Only species of the genus.

Promachocrinus abyssorum, n.g., n.sp. One specimen; obtained also at Station 147.