

STATION 88. 1000 fathoms, one of the thermometers being broken by the pressure. Sent down water-bottle, and obtained samples of water from the bottom, 600 and 400 fathoms. At 4.50 P.M. completed temperatures, and at 5 P.M. made all plain sail.

Distance at noon from St. Vincent, 478 miles. Made good 119 miles. Amount of current 11 miles, direction S. 53° W.

STATION 89. **Station 89** (Sounding 153), Madeira to Cape Verde Islands (see Chart 6 and Diagram 7).

July 23, 1873; lat. 22° 18' N., long. 22° 2' W.

Temperature of air at noon, 74°·8; mean for the day, 73°·8.

Temperature of water :—

Surface,	73·5	900 fathoms,	40·0
100 fathoms,	64·0	1000 „	39·0
200 „	56·0	1100 „	38·0
300 „	50·5	1200 „	37·4
400 „	47·0	1300 „	37·0
500 „	44·5	1400 „	36·8
600 „	43·0	1500 „	36·7
700 „	42·0	Bottom „	36·6
800 „	41·0		

Density at 60° F. at surface, 1·02719.

Depth, 2400 fathoms; deposit, Globigerina Ooze, containing 58·50 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 9.20 A.M. shortened and furled sails, and got up steam to trawl and sound. At 9.45 A.M. put trawl over and veered 3000 fathoms. At noon sounded in 2400 fathoms. At 1 P.M. took serial temperatures at intervals of 100 fathoms down to 1500 fathoms. At 4.30 P.M. commenced heaving in trawl, which came up at 6.30 P.M. containing a few specimens. At 6.45 P.M. made all plain sail. Since the previous day the colour of the surface water changed from blue to green.

Distance at noon from St. Vincent, 362 miles. Made good 117 miles. Amount of current 5 miles, direction S.

ANIMALS FROM
TRAWL.

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

DEEP-SEA KERATOSA (Haeckel, Zool. pt. 82).

Ammoconia auloplegma, n.g., n.sp. Obtained at no other locality.

Psammopemma calcareum, n.sp. Obtained at no other locality.