

STATION 325.

Temperature of water :—

Surface,	70·8	600 fathoms,	37·8
25 fathoms,	69·8	700 "	37·2
50 "	68·3	800 "	37·2
75 "	65·3	900 "	37·2
100 "	62·2	1000 "	37·2
125 "	59·7	1100 "	37·2
150 "	58·8	1200 "	37·2
175 "	57·5	1300 "	37·2
200 "	56·1	1400 "	37·2
225 "	54·3	1500 "	37·2
250 "	51·2	2200 "	34·0
275 "	48·3	2300 "	33·2
300 "	45·0	2400 "	32·8
400 "	40·4	Bottom,	32·7
500 "	38·8		

Density at 60° F. :—

Surface,	1·02675	300 fathoms,	1·02675
25 fathoms,	1·02674	400 "	1·02583
50 "	1·02689	800 "	1·02535
100 "	1·02667	Bottom,	1·02583
200 "	1·02634		

Depth, 2650 fathoms; deposit, Blue Mud, containing no carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 4.30 A.M. shortened and furled sails, and proceeded under steam. At 5.30 A.M. sounded in 2650 fathoms. Put trawl over and veered 3200 fathoms. Obtained serial temperatures down to the bottom. The carbonic acid was determined in the bottom water, and amounted to 50·2 milligrammes per litre. Shortly after noon a shark over ten feet in length was caught. At 1 P.M. commenced heaving in trawl, which came up at 4 P.M. containing many specimens. Made sail. Many black night hawks (*Procellaria æquinoctialis*) were observed flying about the ship till quite dark.

Tristan da Cunha distant at noon, 1629 miles. Made good 76 miles. Amount of current 18 miles, direction S. 27° 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 stellatus, n.g., n.sp. Two specimens; obtained at no other locality.