

STATION 331.

Density at 60° F. :—

Surface,	1·02620	300 fathoms,	1·02545
25 fathoms,	1·02606	400 „	1·02540
50 „	1·02618	800 „	1·02566
100 „	1·02616	Bottom,	1·02588
200 „	1·02589		

Depth, 1715 fathoms; deposit, Globigerina Ooze, containing 78·38 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 11.15 A.M. shortened and furled sails, and proceeded under steam to sound and trawl. At 12.30 P.M. sounded in 1715 fathoms. The sounding-tube had sunk a foot into the bottom, and brought up over a litre of the ooze; the lower layers were more compact than the upper. Put trawl over and veered 2200 fathoms. Obtained serial temperatures. The carbonic acid was determined in water from 400 fathoms, and amounted to 43·6 milligrammes per litre. At 4.15 P.M. commenced heaving in trawl, which came up at 5.45 P.M. bottom up, but with a shrimp entangled in the meshes of the net. It appears that the small lead at the end of the trawl had become hitched round the beam, the net being thus doubled up, and the shrimp was found in the fold thus formed. In one of the tow-nets at the trawl were a great many dead empty shells of Foraminifera which evidently came from the bottom. Made sail. Birds as noted at Station 229 were seen.

Tristan da Cunha distant at noon, 865 miles. Made good 135 miles. Amount of current 27 miles, direction S. 52° W.

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).

Psammina plakina, n.g., n.sp. Two specimens; obtained at no other locality.

MACRURA (Spence Bate, Zool. pt. 52).

Glyphocrangon rimapes, n.sp. One specimen; obtained also at Stations 237 and 300.

The Station-book records also a tentacle of a Cœlenterate.

ORGANISMS FROM
SURFACE-NETS.

Surface Organisms.—The following species are recorded from the surface and deep tow-nets at this Station :—

AMPHIPODA (Stebbing, Zool. pt. 67).

Cylopus hookeri, n.sp.

SCHIZOPODA (Sars, Zool. pt. 37).

Nematoscelis megalops, n.g., n.sp.

TUNICATA (Herdman, Zool. pt. 76).

Salpa cordiformis-zonaria, Quoy
and Gaimard—Pallas.

„ *runcinata* - *fusiformis*,
Chamisso—Cuvier.