

STATION 296.

Density at 60° F. :—

Surface,	1·02536	300 fathoms,	1·02537
25 fathoms,	1·02525	400 „	1·02530
50 „	1·02527	800 „	1·02556
100 „	1·02520	1350 „	1·02552
200 „	1·02536	Bottom,	1·02544

Depth, 1825 fathoms; deposit, Globigerina Ooze, containing 64·34 per cent. of 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 1825 fathoms. Two layers were noticeable in the sounding-tube, a straw-coloured upper layer and a dark brown lower layer, which latter contained much manganese and very little carbonate of lime. Put trawl over and veered 2300 fathoms. Obtained serial temperatures from surface to bottom. The carbonic acid was determined in bottom water and amounted to 44·7 milligrammes per litre. At 1 P.M. commenced heaving in trawl, which came up at 2.20 P.M. containing a few specimens and a little deposit, while the attached tow-nets were filled with ooze. At 3 P.M. made sail. *Diomedea exulans*, *Diomedea melanophrys* (?), *Procellaria gigantea*, *Procellaria capensis*, mutton birds, *Prion turtur*, and several small Thalassidromas were seen.

Juan Fernandez distant at noon, 510 miles. Made good 124 miles. Amount of current 17 miles, direction S. 30° W.

ANIMALS FROM
TRAWL.

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

ACTINIARIA (Hertwig, Zool. pt. 15).

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

OPHIUROIDEA (Lyman, Zool. pt. 14).

Ophiomusium lymani, Wyville Thomson. For distribution see Station 45.

Ophiotholia supplicans, n.g., n.sp. Obtained at no other locality. Only species of the genus.

ECHINOIDEA (Agassiz, Zool. pt. 9).

Cystechinus wyvillii, n.g., n.sp. Obtained also at Stations 146, 147, 158, 299, and 300.

HOLOTHURIOIDEA (Théel, Zool. pt. 39).

Pseudostichopus villosus, n.g., n.sp. One specimen; obtained also at Stations 61, 146, 147, 156, 157, 216A, 244, 302, and 325.