

Stations 55 and 55A (Soundings 114 and 115), Halifax to Bermuda (see Chart 9 and Diagram 2). STATIONS 55 AND 55A

May 28, 1873; lat. 33° 20' N., long. 64° 37' W.

Temperature of air at noon, 74°·8; mean for the day, 72°·5.

Temperature of water:—

Surface,	70·5	500 fathoms,	47·0
100 fathoms,	64·0	600 "	41·4
200 "	62·8	700 "	39·3
300 "	61·5	800 "	38·8
350 "	59·6	900 "	38·6
400 "	55·5	1000 "	38·5

Density at 60° F. at surface, 1·02711.

Depth, 2500 fathoms; deposit, Globigerina Ooze, containing 54·81 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 6 A.M. stopped and lowered jolly-boat to pick up piece of timber, which was found to be covered with *Lepas*, among which were running about many Brachyurous crabs; there were also several Annelids. At 8.50 A.M. stopped to sound, and at 9 A.M. sounded in 2500 fathoms (Station 55). Lowered boats to try current; ascertained that a surface current was running N.E. at the rate of 4 miles per hour. Obtained serial temperatures at intervals of 100 fathoms down to 1000 fathoms. At 1 P.M. proceeded under steam, and towards evening sighted the light on Gibb's Hill, Bermuda. At 6 P.M. stopped and sounded in 1775 fathoms, deposit Globigerina Ooze, bottom temperature 36°·2 (Station 55A).

Distance at noon from Bermuda, 66 miles. Made good 97 miles. Amount of current 8 miles, direction N. 54° W.

Surface Organisms.—The following three species of Annelids are recorded as having been obtained from the log of wood:—

ORGANISMS FROM
THE SURFACE.

ANNELIDA (M'Intosh, Zool. pt. 34).

Amphinome rostrata (Pallas). Several specimens; obtained at no other locality by the Challenger. Recorded from Atlantic.

Hermodice carunculata, Pallas. Large specimen (over a foot in length); obtained also at St. Thomas, Bermuda, and Cape Verdes.

Hipponoë gaudichaudi, Audouin and M.-Edwards. Several specimens; obtained also in the North Pacific. Recorded from Australia and Madeira.