

STATION 45.	× <i>Sphæroidina dehiscens</i> , Parker and Jones. <i>Truncatulina lobatula</i> (Walker and Jacob). „ <i>tenera</i> , Brady. „ <i>ungeriana</i> (d'Orbigny). <i>Anomalina ammonoides</i> (Reuss). × <i>Pulvinulina canariensis</i> (d'Orbigny). × „ <i>crassa</i> (d'Orbigny). „ <i>elegans</i> (d'Orbigny).	× <i>Pulvinulina menardii</i> (d'Orbigny). × „ <i>meliniana</i> (d'Orbigny). × „ <i>tumida</i> , Brady. <i>Rotalia calcar</i> , d'Orbigny (?). „ <i>soldanii</i> , d'Orbigny. <i>Nonionina pompilioides</i> (Fichtel and Moll). „ <i>scapha</i> (Fichtel and Moll). <i>Polystomella striatopunctata</i> (Fichtel and Moll).
-------------	---	--

On May 4, the water was observed to be of a peculiar bottle-green colour.

STATION 46.

Station 46 (Sounding 104), Bermuda to Halifax (see Chart 9).

May 6, 1873; lat. 40° 17' N., long. 66° 48' W.

Temperature of air at noon, 47°·2; mean for the day, 45°·0.

Temperature of water at surface, 40°·0; bottom, 37°·2.

Density at 60° F. at surface, 1·02403.

Depth, 1350 fathoms; deposit, Blue Mud, containing 15·40 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 8 A.M. proceeded under steam to sound. At 9 A.M. sounded in 1350 fathoms. At 11 A.M. put over dredge, which came up at 4 P.M. with a small quantity of mud and several specimens. The dredge was sent down again about 4 P.M., and brought up about 6.30 P.M., but it did not seem to have reached the bottom, the ship having possibly drifted into deeper water. There was a brilliant halo round the sun during a part of the day, showing prismatic colours. Many petrels and flocks of other birds were observed from the ship.

Distance from Sambro Island at noon, 288 miles. Made good 115 miles. Amount of current 17 miles, direction S. 65° E.

ANIMALS FROM
DREDGE.

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

PENNATULIDA (Kölliker, Zool. pt. 2).

Protoptilum aberrans, n.sp. (?). Fragment; obtained also at Stations 44 and 45.

ACTINIARIA (Hertwig, Zool. pt. 15).

Stephanactis abyssicola (Moseley), n.g., n.sp. Two specimens; obtained at no other locality.

ASTEROIDEA (Sladen, Zool. pt. 51).

Pararchaster armatus, n.g., n.sp. Obtained also at Station 50, 1250 fathoms; and off coast of Portugal.