

STATION 40.

Depth, 2675 fathoms; deposit, Globigerina Ooze, containing 45·83 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 9.30 A.M. stopped to put over dredge. The small dredge was used with a bread-bag lining to the net; a 28 lb. weight was slung to the tangle bar and four tangles. At 2 P.M. sounded in 2675 fathoms. The weights had apparently not been detached, as in hauling in there was a great strain, and the line finally parted, water-bottle and thermometer being lost. Sent cutter away to try current. At 3.20 P.M. commenced heaving in dredge. At 4.30 P.M. cutter returned. At 5.45 P.M. dredge came up with a small quantity of ooze, two red shrimps, and a few fishes. Many stormy petrels were seen about the ship.

Distance from Sandy Hook at noon, 420 miles. Made good 68 miles. Amount of current 6 miles, direction N. 63° W.

ANIMALS FROM
DREDGE.

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

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

Acanthephyra purpurea, M.-Edwards. One specimen; obtained also at Stations 87 and 354, 1675 fathoms. Recorded from North Atlantic.

„ *sica*, n.sp. One specimen; obtained also at Stations 159, 168, 169, 170, 181, 194, 230, 235, and 318, 200 to 2675 fathoms.

FISHES (Günther, Zool. pt. 57).

Nealotus tripes, Johnson. One specimen (probably from near the surface); obtained at no other locality by the Challenger. Recorded from Madeira.

Gonostoma microdon, n.sp. Two specimens; for distribution see Station 23.

Two jelly-like masses came up in the dredge, but could not be made out. Murray picked up from a boat part of a huge Cephalopod, which seemed swollen as if it had been dead in water some considerable time.

STATION 41.

Station 41, Bermuda to Halifax (see Chart 9).

April 29, 1873; lat. 36° 7' N., long. 69° 54' W.

Temperature of air at noon, 67°·3; mean for the day, 64°·2.