

STATION 3.

Station 3 (Sounding 47), Tenerife to Sombrero (see Chart 6 and Diagram 1).

February 18, 1873; lat. 25° 45' N., long. 20° 14' W.

Temperature of air at noon, 67°·8; mean for the day, 66°·6.

Temperature of water at surface, 65°·0; bottom, 37°·0.

Density at 60° F. at surface, 1·02719.

Depth, 1525 fathoms; deposit, Pteropod Ooze, containing about 70 per cent. of carbonate of lime, manganese concretions, and dead fragments of Coral coated with manganese (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 9 A.M. sounded in 1525 fathoms, but the machine brought up no bottom; sounded again in 1530 fathoms with a similar result. At 10 A.M. lowered dredge with 2 cwt. at 300 fathoms from it, and with 2200 fathoms of line. At 1 P.M. boats went away to pick up surface animals, and returned at 4 P.M., when the trawl was put over. At 5.30 P.M. the dredge came up with many specimens; a small quantity of the deposit was obtained from the basal portions of the large Sponges. At 7 P.M. hauled in the trawl.

Position at noon, 160 miles south-west of the island of Ferro; Sombrero Island distant 2438 miles. Made good 46 miles. Amount of current 9 miles, direction W.

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

ANIMALS FROM
DREDGE AND
TRAWL.

HEXACTINELLIDA (Schulze, Zool. pt. 53).

Poliopogon amadou, Wyville Thomson, n.g., n.sp. Two specimens; obtained at no other locality. The only other species of the genus (*Poliopogon gigas*) was obtained at Station 170A, 630 fathoms.

ALCYONARIA (Wright and Studer, Zool. pt. 64).

Anthomastus canariensis, n.sp. One specimen; obtained at no other locality.

Pleurocorallium johnsoni, Gray. Many fragments (coated with peroxide of manganese); obtained also at Station 85, 1125 fathoms. Recorded from Madeira.

Acanella arbuscula (Johnson). Several specimens; obtained at no other locality by the Challenger. Recorded from North Atlantic.

CORALS (Moseley, Zool. pt. 7).

Cryptohelia pudica, M.-Edwards and Haime. Several specimens; obtained also at Stations 24, 171, 236 and 320, 390 to 775 fathoms. Recorded from New Guinea and South Pacific.

Caryophyllia berteriana, Duchassaing. One specimen and fragments; obtained at no other locality by the Challenger.