

Station 75 (Sounding 139), off the Azores (see Chart 10).

STATION 75.

July 2, 1873; lat. 38° 38' N., long. 28° 28' 30" W.

Temperature of air at noon, 70°·8; mean for the day, 68°·6.

Temperature of water at surface, 70°·0.

Depth, 450 fathoms; deposit, Volcanic Mud, containing 20·59 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 9 A.M. got up steam, and at 11 A.M. weighed anchor and proceeded under steam out of Horta Bay towards Magdalena Bank. At 11.45 A.M. stopped and put dredge over, hauling it in occasionally from a depth of 50 to 90 fathoms, deposit Volcanic Sand, containing 68·73 per cent. of carbonate of lime. It brought up many specimens. At 4 P.M. sounded in 450 fathoms, and sent down dredge, which brought up numerous specimens. At 5 P.M. made all plain sail, and shaped course for San Miguel, the principal island of the Azores.

The following species are recorded in the Zoological Reports as having been obtained in the dredge on this date; where the depth is not given, the animals are reported as from 450 fathoms:—

ANIMALS FROM
DREDGE.

MONAXONIDA (Ridley and Dendy, Zool. pt. 59).

Reniera implexa, Schmidt, var. (?). About a dozen specimens; obtained at no other locality by the Challenger. Recorded from the Adriatic.

Gellius angulatus (Bowerbank). Three specimens; obtained at no other locality by the Challenger. Recorded from British seas.

Plocamia coriacea (Bowerbank), var. *elegans*, nov. One specimen; obtained at no other locality. Recorded from British seas.

Suberites carnosus (Johnston). One specimen; obtained also at Port Jackson, 6 to 15 fathoms, and Fernando Noronha. Recorded from Britain, Kerguelen, and Vancouver's Island (?).

„ *elongatus*, n.sp. Eight specimens; obtained at no other locality.

Polymastia agglutinans, n.sp. Two specimens; obtained at no other locality.

CALCAREA (Poléjaeff, Zool. pt. 24).

Leucosolenia blanca (M.-Maclay), var. *bathybia*, nov. Two specimens; obtained at no other locality. The species recorded from Mediterranean.

Leuconia crucifera, n.sp. One fragmentary specimen; obtained at no other locality.

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

Bellonella bocagei (Kent). Several specimens; obtained at no other locality by the Challenger.