

Density at 60° F. at bottom, 1.02691.

STATION 73.

Depth, 1000 fathoms; deposit, Pteropod Ooze, containing 73.20 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 6 A.M. shortened and furled sails, and got up steam to sound and dredge. Sounded in 1000 fathoms, and put dredge over. At 11 A.M. dredge came up with a large quantity of ooze, and many specimens. Dredge put over again. At 1.30 P.M. obtained serial temperatures at intervals of 100 fathoms down to the bottom. At 4 P.M. dredge came up reversed, but the tangles contained a number of specimens similar to those of the previous haul. The carbonic acid was determined in the bottom (?) water, and amounted to 44.6 milligrammes per litre. At 4.20 P.M. proceeded under steam.

Distance from Fayal at noon, 114 miles. Made good 44 miles. Amount of current 8 miles, direction S. 34° W. The island of Flores was faintly visible during the day.

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

ANIMALS FROM
DREDGE.

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

Rhizochalina fistulosa (Bowerbank) (?). Numerous fragments; obtained also at Station 188, 28 fathoms, and off Bahia or Bermuda (?). Recorded from Australia and Arafura Sea.

Trichostemma sarsii, n.sp. Five specimens; obtained also at Station 184, 1400 fathoms.

TETRACTINELLIDA (Sollas, Zool. pt. 63).

Thenea schmidtii, n.n. Two specimens; obtained also at Stations IV. and 24.

HEXACTINELLIDA (Schulze, Zool. pt. 53).

Hyalonema (Stylocalyx) thomsoni, Marshall, var. *exiguum*, nov. One fragmentary specimen; obtained at no other locality by the Challenger. The species recorded from North Atlantic ("Porcupine").

CORALS (Moseley, Zool. pt. 7).

Stephanotrochus nobilis, n.g., n.sp. One specimen; obtained at no other locality.

Flabellum alabastrum, n.sp. Several specimens; obtained also at Station 78, 1000 fathoms.

Bathyactis symmetrica (Pourtalès). For distribution see Station 24.

HYDROIDA (Allman, Zool. pt. 70).

Cryptolaria humilis, n.sp. Obtained at no other locality.