

STATION 79.

Station 79 (Sounding 143), Azores to Madeira (see Chart 6 and Diagram 3).

July 11, 1873; lat. 36° 21' N., long. 23° 31' W.

Temperature of air at noon, 74°·3; mean for the day, 71°·6.

Temperature of water :—

Surface,	71·5	900 fathoms,	40·8
100 fathoms,	56·4	1000 „	39·6
200 „	53·5	1100 „	38·7
300 „	51·6	1200 „	38·0
400 „	49·8	1300 „	37·7
500 „	47·9	1400 „	37·4
600 „	46·0	1500 „	37·2
700 „	44·0	Bottom,	35·9
800 „	42·3		

Depth, 2025 fathoms; deposit, Globigerina Ooze, containing 55·65 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 9.15 A.M. shortened and furled sails, and got up steam to sound and dredge. At 10 A.M. sounded in 2025 fathoms, and at 11 A.M. put dredge over, veering 2800 fathoms. At 2 P.M. took serial temperatures at intervals of 100 fathoms down to 1500 fathoms. At 4 P.M. commenced heaving in dredge, which came up at 5.45 P.M. containing a small quantity of ooze and a few specimens.

Distance at noon from Pt. Pargo, the most westerly extremity of Madeira, 376 miles. Made good 105 miles. Amount of current 12 miles, direction S. 55° W.

ANIMALS FROM
DREDGE.

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

ASTEROIDEA (Sladen, Zool. pt. 51).

Pontaster venustus, n.g., n.sp. Obtained also at Station 76.

Dytaster biserialis, n.g., n.sp. Two specimens; obtained at no other locality.

CUMACEA (Sars, Zool. pt. 55).

Diastylis erinaceus, n.sp. One specimen and fragment; obtained at no other locality.

„ *mystacina*, n.sp. One specimen; obtained at no other locality.

ORGANISMS FROM
THE SURFACE.

Surface Organisms.—Willemoes-Suhm states that in the surface water were specimens of *Pyrosoma* and large *Salpa*-colonies.