

STATION 5. **Station 5** (Sounding 49), Tenerife to Sombrero (see Chart 6 and Diagram 1).

February 21, 1873; lat. $24^{\circ} 20' N.$, long. $24^{\circ} 28' W.$

Temperature of air at noon, $66^{\circ} \cdot 8$; mean for the day, $66^{\circ} \cdot 4$.

Temperature of water:—

| | | | |
|------------------------|------|------------------------|------|
| Surface, | 68.0 | 500 fathoms, | 46.3 |
| 100 fathoms, | 62.6 | 1000 „ | 40.0 |
| 200 „ | 57.2 | 1500 „ | 37.5 |
| 300 „ | 52.5 | Bottom, | 37.0 |
| 400 „ | 49.0 | | |

Density at $60^{\circ} F.$ at surface, 1.02753; bottom, 1.02744.

Depth, 2740 fathoms; deposit, Red Clay, containing 12.00 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 2.15 P.M. proceeded under steam, head to wind as necessary for sounding, and sounded at 3 P.M. in 2740 fathoms. At 5 P.M. put over dredge, with 2 cwt. attached 400 fathoms from the dredge, and at 7.20 P.M. veered dredge-rope to 3400 fathoms. At 1.15 A.M. next morning commenced heaving in dredge, which came up at 5.45 A.M. full of Red Clay.

Position at noon, about 500 miles south-west of Tenerife; Sombrero Island distant 2220 miles. Made good 144 miles. Amount of current 14 miles, direction S. $78^{\circ} W.$

ANIMALS FROM
DREDGE.

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

OSTRACODA (Brady, Zool. pt. 3).

Cythere dasyderma, n.sp. Widely distributed; obtained at Stations 5, 70, 85, 122, 146, 164, 167, 185, 191, 218, 246, 296, 300, 302, 305, 311, 317, 332, 335, and 346, 150 to 2740 fathoms.

LAMELLIBRANCHIATA (Smith, Zool. pt. 35).

- Leda ultima*, n.sp. One specimen and single valve; obtained at no other locality.
Limopsis cristata, Jeffreys, var. (?). One specimen and a few odd valves; obtained at no other locality by the Challenger.
Arca (Scapharca) inaequisculpta, n.sp. One specimen; obtained also at Station 24, 390 fathoms.

In addition, two apparently new forms of Polyzoa are noted in the Station-book.

FORAMINIFERA (Brady, Zool. pt. 22).—The following species of Foraminifera were observed during the examination of the deposit at this Station (see also Murray and