STATION 346.

Density at 60° F. :—

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Surface, | . | . | . 1·02624 | 300 fathoms, | . | . | . 1·02570 |
| 25 fathoms, | . | . | . 1·02633 | 400 ,, | . | . | . 1·02556 |
| 50 ,, | . | . | . 1·02614 | 800 ,, | . | . | . 1·02594 |
| 100 ,, | . | . | . 1·02618 | 1875 ,, | . | . | . 1·02591 |
| 200 ,, | . | . | . 1 02602 | Bottom, | . | . | . 1·02622 |

Depth, 2350 fathoms ; deposit, Globigerina Ooze, containing 85·42 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 5.40 A.M. shortened sail. At 6 A.M. stopped and sounded 2350 fathoms ; the sounding-tube had sunk about a foot into the ooze, but with the exception of a few streaks on the outside it brought up no deposit. At 8 A.M. put dredge over and veered 2900 fathoms. At 9.30 A.M. took serial temperatures down to 1500 fathoms. The carbonic acid was determined in water from 800 and 1875 fathoms, and amounted respectively to 45·5 and 39·2 milligrammes per litre. At 1 P.M. commenced heaving in dredge, which came up at 3.45 P.M., with the swabs foul of the mouth of the dredge, but with several specimens attached to the swabs. In the dredge and attached tow-nets were about five litres of the deposit. Proceeded under steam and sail. A bird, probably a frigate bird, was seen while dredging.

Cape Verde distant at noon, 1062 miles. Made good 88 miles. Amount of current 29 miles, direction S. 72° W.

ANIMALS FROM DREDGE.

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

ASTEROIDEA (Sladen, Zool. pt. 51).

*Styracaster horridus*, n.g., n.sp. Three specimens ; obtained at no other locality. Recorded subsequently from Indian Ocean (" Investigator ").

*Freyella tuberculata*, n.sp. Two specimens ; obtained also at Station 89.

OPHIUROIDEA (Lyman, Zool. pt. 14).

*Ophioglypha convexa*, n.sp. Four specimens ; obtained also at Stations 241 and 246.

HOLOTHURIOIDEA (Théel, Zool. pt. 39).

*Synapta abyssicola*, n.sp. (?). Small fragment ; obtained at no other locality.

OSTRACODA (Brady, Zool. pt. 3).

*Cythere dasyderma*, n.sp. For distribution see Station 5.

The Station-book records also a Polyzoon.