

Temperature of water :—

STATION 341.

| | | | |
|-----------------------|------|------------------------|------|
| Surface, | 79.0 | 170 fathoms, | 49.3 |
| 10 fathoms, | 79.0 | 180 " | 48.5 |
| 20 " | 78.2 | 190 " | 47.8 |
| 30 " | 76.7 | 200 " | 47.0 |
| 40 " | 74.2 | 225 " | 45.8 |
| 50 " | 71.4 | 250 " | 44.7 |
| 60 " | 68.2 | 275 " | 43.5 |
| 70 " | 64.8 | 300 " | 42.6 |
| 80 " | 61.8 | 400 " | 40.3 |
| 90 " | 59.2 | 500 " | 39.3 |
| 100 " | 57.3 | 600 " | 39.0 |
| 110 " | 55.4 | 700 " | 38.9 |
| 120 " | 54.0 | 800 " | 38.8 |
| 130 " | 52.7 | 900 " | 38.7 |
| 140 " | 51.6 | 1000 " | 38.6 |
| 150 " | 50.8 | Bottom, | 38.2 |
| 160 " | 50.0 | | |

Density at 60° F.:—

| | | | |
|-----------------------|---------|------------------------|---------|
| Surface, | 1.02706 | 300 fathoms, | 1.02617 |
| 25 fathoms, | 1.02706 | 400 " | 1.02560 |
| 50 " | 1.02715 | 800 " | 1.02563 |
| 100 " | 1.02606 | Bottom, | 1.02601 |
| 200 " | 1.02598 | | |

Depth, 1475 fathoms; deposit, Pteropod Ooze.

At 1.45 P.M. shortened and furled sails, and proceeded under steam to sound. At 2.30 P.M. sounded in 1475 fathoms. The sounding-tube contained only a few Pteropod shells, Foraminifera, and small particles of peroxide of manganese. On the outside of the tube were several black streaks due to peroxide of manganese. Took serial temperatures down to 1000 fathoms. At 4.30 P.M. completed temperatures and made all plain sail.

Ascension Island distant at noon, 275 miles. Made good 140 miles. Amount of current 15 miles, direction S. 72° W.

Surface Organisms.—The following species are recorded from the surface at this Station :—

ORGANISMS FROM
SURFACE-NETS.

OSTRACODA (Brady, Zool. pt. 3).

Halocypris atlantica, Lubbock.,, *brevirostris*, Dana.

COPEPODA (Brady, Zool. pt. 23).

Euchæta prestandræ, Philippi.*Oithona challengerii*, n.sp.*Corycæus varius*, Dana.,, *limbatus*, n.sp.*Lubbockia squillimana*, Claus.