

STATION 218.

Temperature of water :—

| | | | |
|-----------------------|------|------------------------|------|
| Surface, | 84.0 | 150 fathoms, | 57.8 |
| 10 fathoms, | 83.2 | 160 " | 55.5 |
| 20 " | 83.0 | 170 " | 53.8 |
| 30 " | 82.5 | 180 " | 52.1 |
| 40 " | 82.1 | 190 " | 51.0 |
| 50 " | 81.5 | 200 " | 50.0 |
| 60 " | 80.9 | 300 " | 45.2 |
| 70 " | 80.0 | 400 " | 42.4 |
| 80 " | 78.4 | 500 " | 40.5 |
| 90 " | 75.8 | 600 " | 39.2 |
| 100 " | 72.8 | 700 " | 38.4 |
| 110 " | 69.8 | 800 " | 37.9 |
| 120 " | 66.8 | 900 " | 37.4 |
| 130 " | 63.8 | Bottom, | 36.4 |
| 140 " | 60.8 | | |

Density at 60° F. :—

| | | | |
|-----------------------|---------|------------------------|---------|
| Surface, | 1.02564 | 200 fathoms, | 1.02575 |
| 10 fathoms, | 1.02559 | 300 " | 1.02558 |
| 20 " | 1.02572 | 400 " | 1.02554 |
| 50 " | 1.02617 | Bottom, | 1.02572 |
| 100 " | 1.02642 | | |

Depth, 1070 fathoms ; deposit, Blue Mud, containing 17.17 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 4 A.M. got up steam. At 5.30 A.M. shortened and furled sails, and proceeded under steam. At 6 A.M. sounded in 1070 fathoms. The island of Rossy, one of the Schouten Islands, visible to the S. about 35 miles off. At 7 A.M. lowered trawl. At 9 A.M. obtained serial temperatures down to the bottom. At noon hove up trawl with numerous specimens, large pieces of pumice, pieces of wood and fruits, and a good deal of mud ; a tow-net sent down on the trawl line came up full of mud. At 12.10 P.M. proceeded under steam towards the Admiralty Islands. Boobies, gannets, and boatswain birds were seen.

Distance at noon from the westmost islet of the Admiralty Islands, 132 miles. Made good 9 miles. Amount of current 19 miles, direction S. 49° W.

ANIMALS FROM
TRAWL.

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

TETRACTINELLIDA (Sollas, Zool. pt. 63).

Thenea sp. (?). One specimen (possibly young of *Thenea wyvillii*, n.sp.).