

Depth, 2965 fathoms ; deposit, Red Clay, containing 11·12 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.) STATION 353.

At 1.15 P.M. shortened and furled sails, and proceeded under steam. At 2 P.M. sounded in 2965 fathoms. The sounding-tube had sunk fourteen inches into the bottom and brought up over a litre of Red Clay, the deeper portions being darker coloured, and containing less carbonate of lime, than the surface layers ; manganese grains and fishes' teeth were more abundant in the lower layer. Took serial temperatures down to 1500 fathoms. The carbonic acid was determined in water from 200 fathoms and bottom (?), and amounted respectively to 38·7 and 36·8 milligrammes per litre. On the evening of May 1 a straggling flock of birds, possibly wide-awakes, were seen at a great distance from the ship.

Fayal Island, Azores, distant at noon, 780 miles. Made good 158 miles. Amount of current 25 miles, direction S. 67° W.

RADIOLARIA (Haeckel, Zool. pt. 40).—The following species of Radiolaria were observed in the deposit from this Station :— ORGANISMS FROM THE DEPOSIT.

Cenosphaera plutonis, Ehrenberg.
Staurosphaera jacobii, Haeckel.
Staurolonche gassendii, Haeckel.
Heralonche castanella, Haeckel.
Haliomma horridum, Stöhr.
Cromyomma quadruplex, Haeckel.
Prunulum triplex, Haeckel.
Ommatocampe erucaformis, Haeckel.
Desmocampe aphrodite, Haeckel.
Sethostaurus rhombostaurus, Haeckel.
Ommatodiscus fragilis, Stöhr.

Stylodictya octogonia, Haeckel.
Euchitonia lanceolata, Haeckel.
Pentophastrum caudatum, Haeckel.
Dendrospyrus ramosa, Haeckel.
Petalospyrus papillata, Haeckel.
Botryocella tricellaris, Haeckel.
Archiphormis cancellata, Haeckel.
Lophoconus cornutella, Haeckel.
Theocapsa forskalii, Haeckel.
Auloceros trigeminus, Haeckel.
Orosphaera spinigera, Haeckel.

Surface Organisms.—The following species are recorded from the surface in the vicinity of this Station :— ORGANISMS FROM SURFACE-NETS.

RADIOLARIA (Haeckel, Zool. pt. 40).

Sphaerocoon ovoidimare, Haeckel.
Collosphaera polygona, Haeckel.
Siphonospæra socialis, Haeckel.
Xiphospæra ceres, Haeckel.
Staurolonche pertusa, Haeckel.
Hexastylus longispinus, Haeckel.
Haliomma tenuispinum, Müller.
 „ *tenellum*, Haeckel.
Echinomma sphaerichinus, Haeckel.

Rhizoplegma trigonacantha, Haeckel.
Spongospæra polyacantha, Müller.
Rhizospæra leptomita, Haeckel.
Spongurus spongechinus, Haeckel.
Cyphonium cribellum, Haeckel.
Distriactis alterna, Haeckel.
Chitonastrum dicranodes, Haeckel.
Trizonium decabelonium, Haeckel.
Tetrapyle tetracantha, Haeckel.