

STATION 117.

masthead. At 12.40 P.M. stopped and sounded in 1375 fathoms (Station 117), and at 2.15 P.M. proceeded. At 4.10 P.M. stopped and sounded in 500 fathoms, deposit Red Mud, containing 60.79 per cent. of carbonate of lime (Station 117A). Proceeded under steam for the rest of the day.

Distance at noon from Cape St. Roque, 46 miles; from Pernambuco, 130 miles; from Bahia, 484 miles. Made good 115 miles. Amount of current 26 miles, direction N. 83° W.

ORGANISMS FROM
SURFACE-NETS.

Surface Organisms.—The following species is recorded from the surface near Cape St. Roque:—

STOMATOPODA (Brooks, Zool. pt. 45).

Gonodactylus chiragra, Latreille, var. *minutus*, nov.

Willemoes-Suhm writes: "I found in the tow-net sent down to a depth of 40 fathoms, while sounding in 500 fathoms, *Lucifer*, small Cephalopod, and Decapod larva; another specimen of the Decapod larva was taken next day."

Moseley writes: "A piece of *Sargassum*, caught in the patent log, was covered with Hydrozoa, *Spirorbis*, and *Flustra*; I also found on it an Annelid larva with three sets of hooks. The sea-weed was covered with fructification, though apparently it had been floating some time in the water."

September 7, 1873.

At 4 P.M. sounded in 16 fathoms, nearly due east of the tower at Fort Cabadello. Some sperm whales were seen.

STATION 118.

Station 118 (Sounding 197), Fernando Noronha to Pernambuco (see Charts 12 and 15, and Diagram 4).

September 8, 1873; lat. 7° 28' S., long. 34° 2' W.

Temperature of air at noon, 78°·8; mean for the day, 77°·0.

Temperature of water at surface, 77°·5; bottom, 35°·2.

Depth, 2050 fathoms; deposit, Globigerina Ooze, containing 37.18 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

Under steam all night. At 5.45 A.M. stopped and sounded in 2050 fathoms. At 7.30 A.M. proceeded south-west under sail and steam.