

STATIONS 125 TO
126A.

Willemoes-Suhm writes: "The trawl brought up a great many shrimps, including a Caridid with many spines, while the Peneids were represented by several forms got before. One of them, 3 inches in length, had a long rostrum and very long outer flagella; another had legs three times the length of its body and terminated by tufts of hairs. There was also a male specimen of *Gnathophausia zoëa*, and a fragment of another Schizopod. Among the worms a long Nemertean was found, showing the mouth and lateral organs, but no orifice of the proboscis."

STATION 127.

Station 127 (Sounding 210), between Pernambuco and Bahia (see Charts 12 and 15).

September 13, 1873; lat. $11^{\circ} 42' S.$, long. $37^{\circ} 3' W.$

Temperature of air at noon, $73^{\circ} \cdot 8$; mean for the day, $74^{\circ} \cdot 7$.

Temperature of water at surface, $77^{\circ} \cdot 0$; bottom, $38^{\circ} \cdot 5$.

Density at $60^{\circ} F.$ at surface, 1.02748.

Depth, 1015 fathoms; deposit, Red Mud, containing 28.72 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 2.30 A.M. squall from S.E. accompanied by rain. At 4 A.M. got up steam. At 6.30 A.M. proceeded under steam; shortened and furled square sails. At 8.45 A.M. stopped and sounded in 1015 fathoms. At 9.20 A.M. proceeded. At 9.40 A.M. altered course S.W., and observed land on the starboard bow and beam. At 10 A.M. stopped engines, and made all plain sail. At 4.10 P.M. proceeded under steam within sight of land. Sounded hourly during the night and found no bottom at 50 fathoms.

Distance at noon from Cape San Antonio, 107 miles. Made good 91 miles. Amount of current 13 miles, direction N. $22^{\circ} W.$

STATION 128.

Station 128 (Sounding 211), between Pernambuco and Bahia (see Charts 12 and 15).

September 14, 1873; lat. $13^{\circ} 6' S.$, long. $38^{\circ} 7' W.$

Temperature of air at noon, $78^{\circ} \cdot 3$; mean for the day, $76^{\circ} \cdot 0$.

Temperature of water at surface, $76^{\circ} \cdot 5$.

Depth, 1275 fathoms; deposit, Globigerina Ooze, containing 50.65 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 5 A.M. observed land on the starboard bow. At 6 A.M. got up steam. At 6.30 A.M. sounded in 1275 fathoms. At 7 A.M. made all plain sail. At 8 A.M. shortened and furled sails. At 12.5 P.M. stopped engines, the coals being exhausted. While waiting for the sea breeze, the ship was surrounded by a flight of butterflies, myriads falling on the deck, principally *Heliconius narceus*. At 3.30 P.M. passed San Antonio Pt., and at 4.25 P.M. came to at Bahia in 7 fathoms.