

STATIONS 93D TO 94. of carbonate of lime (Station 93G). At 6.35 P.M. stopped and sounded in 1150 fathoms, deposit Volcanic Mud, containing 47.52 per cent. of carbonate of lime (Station 94). At 7.25 P.M. made all plain sail, and proceeded towards Porto Praya, St. Iago.

ORGANISMS FROM THE SURFACE. **Surface Organisms.**—Willemoes-Suhm writes: "At night a great many small specimens of *Pyrosoma* were in the water, and some were taken in the tow-net. Also, an *Acridium* came on board."

AT ST. IAGO, CAPE VERDES. The Challenger remained at St. Iago from 7.30 A.M. on August 7 till 8.30 P.M. on August 9, during which time the steam pinnace dredged and trawled with tangles on the Red Coral ground, in 80 to 100 fathoms.

CAPE VERDES. The expedition visited the Cape Verde Islands on the outward voyage from July 27 till August 9, 1873, and on the homeward voyage from April 16 till April 26, 1876 (for description of the islands, see *Narr. Chall. Exp.*, vol. i. pp. 183-191). On both visits, Mr. Murray conducted dredgings from the steam pinnace in the harbour of St. Vincent in depths of 7 to 50 fathoms. The deposit was a Calcareous Sand, containing 87 to 94 per cent. of carbonate of lime, chiefly made up of Foraminifera and Calcareous Algæ. In some places the shells of *Amphistegina lessonii* made up fully two-thirds of the whole deposit. *Polystomella*, *Discorbina*, and *Orbiculina* were also abundant. The deposits around the islands from 200 fathoms down to 1150 fathoms were Volcanic Sands and Muds, containing from 13 to 50 per cent. of carbonate of lime, in which Pteropod and Heteropod shells were abundant. The following species are recorded in the Zoological Reports as having been obtained in the vicinity:—

ANIMALS FROM CAPE VERDES.

MONAXONIDA (Ridley and Dendy, Zool. pt. 59).

*Reniera tufa*, n.sp. Two pieces (Porto Praya, 100 to 128 fathoms); obtained at no other locality.

*Hymeniacion caruncula*, Bowerbank. Two specimens (St. Vincent, shallow water); obtained at no other locality by the Challenger. Recorded from British Islands and Port Jackson.

*Axinella monticularis*, n.sp. Four specimens (St. Vincent, shallow water, and Harbour, 7 to 20 fathoms); obtained at no other locality.

„ (?) *lunæcharta*, n.sp. Three specimens (St. Vincent, shallow water, and Harbour, 7 to 20 fathoms); obtained at no other locality.

TETRACTINELLIDA (Sollas, Zool. pt. 63).

*Pæcillastra crassiuscula*, n.sp. One specimen (Porto Praya, 100 to 128 fathoms); obtained at no other locality.