

Station 108 (Sounding 179), St. Vincent to St. Paul's Rocks (see Chart 12 and Diagram 4). STATION 108.

August 27, 1873; lat.  $1^{\circ} 10' N.$ , long.  $28^{\circ} 23' W.$

Temperature of air at noon,  $80^{\circ} \cdot 0$ ; mean for the day,  $77^{\circ} \cdot 6$ .

Temperature of water at surface,  $78^{\circ} \cdot 0$ ; bottom,  $36^{\circ} \cdot 8$ .

Density at  $60^{\circ} F.$  at surface, 1.02641.

Depth, 1900 fathoms; deposit, Globigerina Ooze, containing 84.90 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 6.30 A.M. shortened and furled sails, and got up steam to sound. At 7 A.M. sounded in 1900 fathoms. At 8.20 A.M. completed sounding, and made sail. At 2 P.M. observed St. Paul's Rocks to W.S.W.—a group of low rocks, apparently barely projecting above the surface of the ocean. The two most prominent rocks are not more than between 60 and 70 feet high. Got up steam, and at 2.15 P.M. proceeded under steam. At 3.45 P.M. shortened and furled sails, and at 4 P.M. stopped to leeward of St. Paul's Rocks. Lowered cutter and jolly-boat, and sent officers and members of civilian scientific staff on shore to examine rocks. At 5 P.M. secured ship with hawser to the point on N.E. side of cove, at three-quarter hawser length, the ship's bow being then in 104 fathoms.

Distance at noon from St. Paul's Rocks, 37 miles. Made good 133 miles. Amount of current 39 miles, direction N.  $79^{\circ} W.$

Surface Organisms.—The following species are recorded from the surface at this Station :—

ORGANISMS FROM  
SURFACE-NETS.

AMPHIPODA (Stebbing, Zool. pt. 67).

*Phronimella elongata*, Claus.

*Lycæopsis pauli*, n.sp.

*Platyseclus serratulus*, n.n.

*Lycæa pauli*, n.sp.

SCHIZOPODA (Sars, Zool. pt. 37).

*Nematoscelis rostrata*, n.g., n.sp.

Moseley writes: "Two large specimens of *Albacore*, 60 or 70 lbs. in weight, were swimming round the ship."

The Challenger remained secured to St. Paul's Rocks from 5 P.M. on August 27 till 7 A.M. on August 29 (for description of St. Paul's Rocks, see *Narr. Chall. Exp.*, vol. i. pp. 201-209).

AT ST. PAUL'S  
ROCKS.