

STATION 109.

**Station 109** (Sounding 180), off St. Paul's Rocks (see Chart 13).

August 28, 1873; lat.  $0^{\circ} 55' 38''$  N., long.  $29^{\circ} 22' 35''$  W.

Temperature of air at noon,  $81^{\circ} 0$ ; mean for the day,  $78^{\circ} 5$ .

Temperature of water at surface,  $77^{\circ} 7$ .

Depth, 104 fathoms; deposit, Hard Ground.

At 9 A.M. officers and men on shore fishing, exploring rocks for natural history specimens, surveying, and making magnetic observations. On board ship employed a new mode of dredging by sending out dredge in a boat, and after a time heaving it in to the ship with the aid of the donkey-engine. The small dredge was used on this occasion, with the swabs attached, and brought up several specimens.

The following species are recorded in the Zoological Reports from St. Paul's Rocks, from shore, shallow water, and down to a depth of about 100 fathoms:—

ANIMALS FROM  
ST. PAUL'S  
ROCKS:

## TETRACTINELLIDA (Sollas, Zool. pt. 63).

*Pilochrota gigas*, n.g., n.sp. One specimen (taken by fishing line from shore); obtained at no other locality.

## ALCYONARIA (Wright and Studer, Zool. pt. 64).

*Paramuricea æquatorialis*, n.sp. (80 fathoms); obtained at no other locality.

*Placogorgia atlantica*, n.g., n.sp. (80 fathoms); obtained at no other locality. Only species of the genus.

## ANTIPATHARIA (Brook, Zool. pt. 80).

*Pteropathes fragilis*, n.g., n.sp. (10 to 80 fathoms); obtained at no other locality. Only species of the genus.

## CORALS (Moseley, Zool. pt. 7).

*Lophohelia prolifera*, M.-Edwards and Haime. Dead fragment (100 fathoms); for distribution see Station 23.

## CRINOIDEA (Carpenter, Zool. pt. 60).

*Actinometra pulchella* (Pourtalès). One specimen (10 to 80 fathoms); obtained also at Station 192 (?), 140 fathoms. Recorded from North Atlantic ("Porcupine," "Dacia," and "Talisman"), and Caribbean Sea.