

TRISTAN DA  
CUNHA.

Temperature of the air at noon,  $52^{\circ}8$ ; mean for the day,  $50^{\circ}7$ . Temperature of surface water,  $53^{\circ}5$ .

At 3.10 A.M. on October 16, proceeded under steam S. by E. At 5 A.M. steamed towards the east point of Inaccessible Island. At 6 A.M. stopped off the east side of Inaccessible Island, and lowered boat to communicate with the shore. Sounded in 65 fathoms. At 7.20 A.M. boats returned; proceeded. At 8 A.M. stopped and came to in 15 fathoms. Landed exploring and surveying parties. At 11.15 A.M. got up steam, weighed anchor, and proceeded under steam for a cruise round the island, sounding, &c. At 5 P.M. stopped off the north side of the island, and put dredge over in 60 fathoms. At 5.30 P.M. hove up dredge containing numerous specimens, and proceeded. At 6 P.M. stopped and put dredge over in 75 fathoms, Hard Ground, shells, and gravel (Station 135A). At 6.15 P.M. hove up dredge, which again brought up numerous specimens, chiefly by means of the tangles. Proceeded for anchorage. At 6.40 P.M. stopped and came to in 17 fathoms. Exploring parties returned with many prizes in the shape of birds, insects, geological specimens, &c. Observed a remarkable colony of penguins close to the landing place. Took on board for passage to Cape of Good Hope the two German settlers, Frederic and Gustavus Stoltenkoff, natives of Aix-la-Chapelle, who had come here for seal fishing, and had led for two years a sort of Robinson Crusoe life, having had but rare opportunities of communicating with passing ships or with the inhabitants of Tristan da Cunha. Temperature of air at noon,  $50^{\circ}8$ ; mean for the day,  $50^{\circ}0$ . Temperature of surface water,  $54^{\circ}0$ .

At 4.30 A.M. on October 17, got up steam. At 5.15 A.M. weighed anchor and proceeded under steam. Shaped course S.S.E. towards Nightingale Island. At 7 A.M. stopped and sounded in 465 fathoms, Hard Ground, shells, and gravel (Station 135B). At 8.45 A.M. stopped off Nightingale Island. Landed exploring and surveying parties. At 9 A.M. proceeded on a sounding and dredging cruise round Nightingale Island. Between 4 and 6 P.M. two hauls of the dredge were taken in depths of 150 to 100 fathoms, Coarse Shelly Bottom, containing 96.00 per cent. of carbonate of lime (Station 135c). A large number of specimens of all groups were obtained. A sounding was also taken in 72 fathoms, Coarse Shelly Bottom (Station 135D). At 6.15 P.M. surveying and exploring parties returned on board with numerous specimens. Temperature of the air at noon,  $51^{\circ}8$ ; mean for the day,  $51^{\circ}2$ . Temperature of surface water,  $54^{\circ}0$ .

At 6.45 A.M. on October 18, got up steam to sound and dredge. At 7 A.M. shortened and furled sails, and proceeded under steam to sound. At 8 A.M. sounded in 1000 fathoms, Hard Ground, shells, and gravel (Station 135E). At 9 A.M. put over dredge, and veered 1500 fathoms. Obtained serial temperatures at intervals of 100 fathoms down to 600 fathoms. At 11.30 A.M. dredge came up with several specimens. Proceeded towards Tristan da Cunha. At noon stopped and put dredge over a second time. At 12.10 P.M. sounded in 1100 fathoms, Hard Ground (Station 135F). Lowered