

Stations 148 and 148A (Soundings 241 and 242), off Crozet Islands (see Chart 20). STATIONS 148  
AND 148A.

January 3, 1874.

Temperature of air at noon,  $44^{\circ}3$ ; mean for the day,  $44^{\circ}1$ .

Temperature of water at surface,  $41^{\circ}0$ .

Density at  $60^{\circ}$  F. at surface, 1.02504.

At 2.30 A.M. land obscured by mist, which continued nearly all day. At 8 A.M. got up steam, and at 8.30 A.M. shortened and furled sails to sound and dredge. At 10 A.M. sounded in 210 fathoms, deposit Hard Ground, gravel, shells (Station 148). Put dredge over. Observed land to N.E. from masthead. At 11.30 A.M. hove up dredge with several specimens. The carbonic acid was determined in surface water, and amounted to 47.4 milligrammes per litre. At 1.30 P.M. sounded in 550 fathoms, deposit Hard Ground, gravel, shells (Station 148A). Sent down dredge, which came up 3.30 P.M. with a few specimens. At 4 P.M. made sail, and proceeded with a good breeze from the N.W. Cape pigeons, prions, and Mother Carey's chickens were seen in great numbers, also white albatrosses, stormy petrels, large black petrels, and penguins.

Distance at noon from Bligh's Cap, Kerguelen Island, 700 miles. Made good 16 miles.

On January 3, 1874, near the Crozet Islands, four dredgings were taken, the soundings giving depths of 210 and 550 fathoms (Stations 148 and 148A). In the following list of species recorded in the Zoological Reports the two Stations are combined, the depth being indicated :—

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

ANIMALS FROM  
DREDGE.

*Gellius carduus*, n.sp. One specimen (210 to 550 fathoms); obtained also at Station 145.

*Iophon chelifera*, n.sp. One specimen (550 fathoms); obtained also at Stations 142 and 145.

*Myxilla nobilis*, n.sp. One fragmentary specimen (210 to 550 fathoms); obtained also at Station 320, 600 fathoms.

*Phakellia papyracea*, n.sp. Two or three pieces (210 fathoms); obtained also at Station 145.

*Axinella erecta* (Carter). Twenty-six specimens (550 fathoms); obtained also at Stations 135, 145, and 147.

*Suberites mollis*, n.sp. One specimen (210 to 550 fathoms); obtained at no other locality.