

Station 166c (Sounding 287), Sydney to New Zealand (see Chart 27 and Diagram 11). STATION 166c.

June 24, 1874; lat. 39° 21' S., long. 171° 28' E.

Temperature of air at noon, 57°·8; mean for the day, 56°·2.

Temperature of water at surface, 58°·0.

Density at 60° F. at surface, 1·02617.

Depth, 400 fathoms; deposit, Globigerina Ooze, containing 82·20 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 4.10 A.M. brought ship to wind and sounded in 400 fathoms. At 5 A.M. proceeded.

Station 167.

STATION 167.

At 7.30 A.M. shortened and furled sails, got up steam, and sounded in 150 fathoms, deposit Blue Mud, containing 26·71 per cent. of carbonate of lime. The trawl was sent down twice, and the dredge once, and brought up many specimens. At 11.30 A.M. completed observations, and made all plain sail. At 3 P.M. brought ship to wind, and sounded in 145 fathoms. At 5 P.M. got up steam, and at 5.30 P.M. shortened and furled sails and proceeded under steam. At 11.40 P.M. sounded in 75 fathoms.

Distance at noon from Stephen's Island, 122 miles. Made good 122 miles. Amount of current 9 miles, direction S. 65° E.

The following species are recorded in the Zoological Reports from the trawl and dredge at this Station :—

ANIMALS FROM
TRAWL AND
DREDGE.

ASTEROIDEA (Sladen, Zool. pt. 51).

Psilaster acuminatus, n.g., n.sp. Obtained also at Station 164 and Simon's Bay, Cape.

OPHIUROIDEA (Lyman, Zool. pt. 14).

Ophiomyxa australis, Lütken. For distribution see Station 109.

ANNELIDA (M'Intosh, Zool. pt. 34).

Hyalinæcia tubicola, Müller, var. *longibranchiata*, nov. Obtained also at Station VIII.

Apomatus elisabethæ, n.sp. One specimen; obtained at no other locality.

Pomatocerus strigiceps, Mörch (?). One specimen; obtained at no other locality by the Challenger.