

STATIONS 170  
AND 170A.

of the weed in a remarkable manner. In the tow-nets were small *Salpæ*, soft transparent Pteropods, Calanids, Cypridinids, and a young Terebellid. A large *Salpa* and Medusa were in the trawl."

STATION 171.

Station 171 (Sounding 294), New Zealand to Tongatabu (see Chart 27 and Diagram 12).

July 15, 1874; lat. 28° 33' S., long. 177° 50' W.

Temperature of air at noon, 66°·5; mean for the day, 66°·5.

Temperature of water at surface, 66°·5; bottom, 39°·5.

Density at 60° F. at surface, 1·02685.

Depth, 600 fathoms; deposit, Volcanic Mud.

At 6.30 A.M. stopped and sounded in 600 fathoms. Put trawl over. At 9.40 A.M. hove up trawl with many fragments of pumice, and numerous specimens. At 10 A.M. made all plain sail. The carbonic acid was determined in water from the surface, and amounted to 41·2 milligrammes per litre. In the course of the morning observed a large whale close to the ship, also a Cape pigeon, and a few white-breasted petrels.

Distance at noon from Eooa Island, Tongatabu, 446 miles; from La Rance Bank, 263 miles. Made good 85 miles. Amount of current 8 miles, direction N. 27° E.

ANIMALS FROM  
TRAWL.

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

HEXACTINELLIDA (Schulze, Zool. pt. 53).

*Aulochone cylindrica*, n.g., n.sp. One specimen; obtained at no other locality.

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

*Dasygorgia acanthella*, n.sp. One specimen; obtained at no other locality.

„ *axillaris*, n.sp. One specimen; obtained also at Station 201, 82 to 102 fathoms.

*Calyptraphora wyvillei*, n.sp. Fragment of stem; obtained at no other locality.

*Stachyodes regularis*, n.g., n.sp. Several fragments; obtained at no other locality.

Only species of the genus.

*Thouarella moseleyi*, n.sp. One specimen; obtained at no other locality.

CORALS (Moseley, Zool. pt. 7).

*Stylaster lævis*, Studer (?). One dead specimen; obtained at no other locality by the Challenger. Recorded from Three King Islands.