

Density at 60° F. at surface, 1.02570 ; bottom, 1.02555.

STATION 237.

Depth, 1875 fathoms ; deposit, Blue Mud, containing 4.45 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 5 A.M. sounded in 1875 fathoms, about 40 miles S.E. of No Sima lighthouse. At 7 A.M. put trawl over. At 10 A.M. obtained serial temperatures down to 1500 fathoms. At noon commenced heaving in trawl, which came up at 2.40 P.M. with numerous specimens, a large quantity of mud, pumice-stones, large hardened blocks of the deposit, Cephalopod beak, vertebra of fish, and leaves of dicotyledonous trees. Surface current running at the rate of about 1½ knots per hour. At 3.15 P.M. completed temperatures, and made sail to a strong southerly breeze, which during the night increased to a gale. Black albatrosses, small petrel-like birds, and larger petrels were seen.

Distance at noon from Honolulu, Sandwich Islands, 3346 miles. Made good 41 miles. Amount of current 14 miles, direction N. 74° E.

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

ANIMALS FROM  
TRAWL.

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

*Strophogorgia verrilli*, n.g., n.sp. Obtained also at Station 235.

*Dasygorgia japonica*, n.sp. Obtained at no other locality.

*Stenella dæderleini*, n.sp. Several specimens ; obtained at no other locality.

ACTINIARIA (Hertwig, Zool. pts. 15 and 73).

*Cereus spinosus*, n.sp. Four specimens ; obtained also at Station 157.

*Paractis* (?) *tubulifera*, n.sp. Two specimens ; obtained at no other locality.

*Porponia robusta*, n.g., n.sp. One specimen ; obtained at no other locality. The only other species of the genus (*Porponia elongata*) was taken at Station 160.

*Liponema multiporum*, n.g., n.sp. One specimen ; obtained also at Stations 147 and 305. Only species of the genus.

HYDROIDA (Allman, Zool. pt. 70).

*Monocaulus imperator*, n.sp. Obtained also at Station 248, 2900 fathoms.

ASTEROIDEA (Sladen, Zool. pt. 51).

*Pararchaster semisquamatus*, n.g., n.sp. Obtained also at Stations 44 or 45 (var.) and 235.

*Porcellanaster tuberosus*, n.g., n.sp. Obtained at no other locality.