

Density at 60° F. at surface, 1·02636 ; bottom, 1·02621.

STATION 176.

Depth, 1450 fathoms ; deposit, Globigerina Ooze, containing 62·41 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 8 A.M. got up steam. At 9.20 A.M. shortened and furled sails, proceeded under steam, and sounded in 1450 fathoms. Obtained serial temperatures down to 500 fathoms. At 11 A.M. completed observations and proceeded. The carbonic acid was determined in bottom water, and amounted to 45·9 milligrammes per litre. A gannet and a tern were observed, and a dark coloured bird was also reported, but birds were rarely observed from the ship.

Api Island distant at noon, 340 miles. Made good 76 miles. Amount of current 22 miles, direction W.

The following species are recorded in error from this Station ; they evidently came from the next Station (177) :—

OPHIUROIDEA (Lyman, Zool. pt. 14).

Ophioglypha undata, n.sp.

MACRURA (Spence Bate, Zool. pt. 52).

Nematocarcinus productus, n.sp.

POLYZOA (Busk, Zool. pts. 30 and 50).

Salicornaria malvinensis, Busk.

Retepora margaritacea, n.sp.

Crisia elongata, M.-Edwards.

Surface Organisms.—The following species is recorded from the surface in this locality :—

ORGANISMS FROM
THE SURFACE.

FISHES (Günther, Zool. pt. 78).

Exocoetus naresii, n.sp. One specimen (came on board ship on August 16, 1874).

This specimen came in at one of the ports while the ship was going at the rate of 7 or 8 knots, and nearly all the scales were off.

Station 177 (Sounding 307), off Api Island, New Hebrides (see Chart 27).

STATION 177
(API).

August 18, 1874 ; lat. 16° 45' S., long. 168° 7' E.

Temperature of air at noon, 75°·3 ; mean for the day, 75°·3.

Temperature of water at surface, 78°·7.

Density at 60° F. at surface, 1·02624.

Depth, 130 fathoms ; deposit, Volcanic Sand, containing 13·14 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).