

STATION 303.

Density at 60° F. :—

Surface,	1·02504	300 fathoms,	1·02535
25 fathoms,	1·02509	400 „	1·02533
50 „	1·02513	850 „	1·02557
100 „	1·02517	Bottom,	1·02563

Depth, 1325 fathoms; deposit, Blue Mud, containing 25·79 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 2.20 P.M. shortened and furled sails, and proceeded under steam. At 3.15 P.M. sounded in 1325 fathoms. Took serial temperatures down to the bottom. The carbonic acid was determined in water from the surface and 100 fathoms, and amounted respectively to 48·9 and 50·4 milligrammes per litre. At 5.40 P.M. completed observations and made all plain sail. *Diomedea exulans* and stormy petrels were seen.

Cape Gallegos distant at noon, 146 miles; Cape Tres Montes, 167 miles. Made good 135 miles. Amount of current 4 miles, direction N. 19° E.

The following species are recorded in error from this Station; they probably came from Station 308 (see Station 308).

ASTEROIDEA (Sladen, Zool. pt. 51).

Ctenodiscus procurator, n.sp.*Mimaster cognatus*, n.sp.*Lophaster stellans*, n.sp.

POLYZOA (Busk, Zool. pt. 30).

Menipea benemunita, n.sp.*Menipea aculeata* (d'Orbigny).*Bugula reticulata*, n.sp.*Carbasea ovoidea*, Busk.*Cribrilina monoceros* (Busk).*Cellepora eatonensis*, n.sp.ORGANISMS FROM
SURFACE-NETS.

Surface Organisms.—The following species are recorded from the surface at this Station :—

OSTRACODA (Brady, Zool. pt. 3).

Halocypris atlantica, Lubbock.„ *brevirostris*, Dana.

COPEPODA (Brady, Zool. pt. 23).

Eucalanus attenuatus (Dana).*Oncæa obtusa* (Dana).

In addition, the following are recorded in the note-books from the tow-nets at the surface and down to 30 fathoms :—*Peridinium tripos*, *Globigerina*, *Orbulina*, *Acanthometræ* and other Radiolaria, Siphonophoræ, *Sagitta*, *Tomopteris*, Hyperids and other Amphipods, *Euphausia*, Zoëæ, small Lamellibranchs, Heteropods, and Pteropods. A few porpoises were seen.