

STATION 319. down to 1500 fathoms. At 11.15 A.M. made sail. The same birds as noted at the previous Station were seen, along with a very small species of *Thalassidroma*.

Lobos Island distant at noon, 410 miles. Made good 86 miles. Amount of current 21 miles, direction S. 48° E.

ORGANISMS FROM
SURFACE-NETS.

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

RADIOLARIA (Haeckel, Zool. pt. 40).

Cypassis eucolpos, Haeckel.

Amphibrachium dilatatum, Haeckel.

Larnacospongius larnacillifer, Haeckel.

Challengeria thomsoni, Murray.

COPEPODA (Brady, Zool. pt. 23).

Saphirina ovalis, Dana.

„ *inæqualis*, Dana.

„ *reticulata*, n.sp.

Saphirina opaca, Lubbock.

„ *gemma*, Dana.

AMPHIPODA (Stebbing, Zool. pt. 67).

Primno sp. (?)

TUNICATA (Herdman, Zool. pt. 76).

Salpa runcinata - fusiformis,

Chamisso—Cuvier.

„ *democratica - mucronata*,

Forskål.

In addition, the following are recorded in the note-books :—*Peridinium tripos*, *Globigerina*, *Acanthometræ* and compound Radiolaria, Medusæ, Ctenophoræ, Echinoderm larvæ, Hyperids, *Phronima*, larvæ of *Euphausia*. The stomachs of the *Salpæ* contained Coccospheres, Diatoms, and *Peridinium*. It was curious to note the absence of the small red Copepods so abundant on the previous day, their place being taken by several species of *Saphirina* and a few blue Copepods. Sharks and flying fishes were seen.

STATION 320.

Station 320 (Sounding 407), Falkland Islands to Rio de la Plata (see Chart 42 and Diagram 22).

February 14, 1876 ; lat. 37° 17' S., long. 53° 52' W.

Temperature of air at noon, 66°·8 ; mean for the day, 62°·5.

Temperature of water :—

Surface,	67·5	250 fathoms,	39·5
25 fathoms,	60·0	275 „	39·3
50 „	46·0	300 „	39·1
75 „	44·0	350 „	38·8
100 „	43·0	400 „	38·4
125 „	42·0	450 „	38·2
150 „	41·0	500 „	37·9
175 „	40·3	550 „	37·6
200 „	40·0	Bottom,	37·2
225 „	39·8		