

STATION 154.

At 2 A.M. observed two icebergs to N. and W. At 8 A.M. shortened sail, and got up steam to sound. Numerous icebergs in sight. At 9.10 A.M. proceeded under steam, and at 10 A.M. sounded in 1800 fathoms. Obtained a series of temperatures. The carbonic acid was determined in bottom water, and amounted to 57.6 milligrammes per litre. At 11.30 A.M. completed temperature observations, and at 11.40 A.M. made all plain sail. At noon 28 icebergs in sight. At 4 P.M. 12 icebergs in sight; no pack ice. At 6 P.M. 40 icebergs in sight; no pack ice. At 8 P.M. 37 icebergs in sight. At 10.20 P.M. hove to. During the day observed several Cape pigeons, petrels, sooty albatrosses, prions, Mother Carey's chickens, and terns. Several snow-showers after 10 P.M.

Distance at noon from Termination Land, 260 miles. Made good 61 miles. Amount of current 18 miles, direction N. 51° E.

ORGANISMS FROM
SURFACE-NETS.

Surface Organisms.—The following species are recorded from the surface and down to 100 fathoms in this locality (February 19 to 21):—

RADIOLARIA (Haeckel, Zool. pt. 40).

Thalassopila cladococcus, Haeckel.
Haliomma antarcticum, Haeckel.
Amphibrachium sponguroides, Haeckel.
Larnacostupa dendrophora, Haeckel.
Acanthonia prismatica, Haeckel.
Porocapsa poronodon, Haeckel.
Lychnaspis minima, Haeckel.
Sagosphæra penicilla, Haeckel.
Aulosцена spectabilis, Haeckel.

ANNELIDA (M'Intosh, Zool. pt. 34).

Alciopa antarctica, n.sp.

COPEPODA (Brady, Zool. pt. 23).

Calanus propinquus, n.sp.
Rhincalanus gigas, n.sp.

Pleuromma abdominale (Lubbock).
Candace truncata, Dana.

AMPHIPODA (Stebbing, Zool. pt. 67).

Hyperietta dilatata, n.sp.
Primno antarctica, n.sp.

SCHIZOPODA (Sars, Zool. pt. 37).

Euphausia murrayi, n.sp.
,, *superba*, Dana.
Thysanoëssa macrura, n.sp.

PTEROPODA (Pelseneer, Zool. pt. 65).

Limacina australis (Eydoux and Souleyet).
Clio sulcata (Pfeffer).

In addition, the following are recorded in the note-books:—Diatoms, *Globigerina*, Radiolaria, *Diphyes*, larvæ of *Chirodota* (?) with twelve divided wheels, *Sagitta*, and *Cypridina*.

The above surface organisms were collected by Mr. Murray in a boat, *Euphausia superba* being especially abundant (the supplementary eyes of which were in the evening observed to be phosphorescent).