

KERGUELEN.
ORGANISMS FROM
SURFACE-NETS.

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

RADIOLARIA (Haeckel, Zool. pt. 40).

Lychnaspis cataplata, Haeckel.

COPEPODA (Brady, Zool. pt. 23).

Drepanopus pectinatus, n.g., n.sp.

Pseudothalestris imbricata, n.g., n.sp.

Zaus spinatus, Goodsir.

Machairopus idyoides, n.g., n.sp.

AMPHIPODA (Stebbing, Zool. pt. 67).

Halimедon schneideri, n.sp.

Zaramilla kergueleni, n.g., n.sp.

Atyloides australis (Miers).

Euthemisto gaudichaudii (Guérin).

SCHIZOPODA (Sars, Zool. pt. 37).

Thysanoëssa macrura, n.sp.

LAMELLIBRANCHIATA (Smith, Zool. pt. 35).

Modiolarca trapezina (Lamarek).

PTEROPODA (Pelseneer, Zool. pt. 65).

Limacina australis (Eydoux and Souleyet).

In addition, the following are recorded in the note-books :—Hydromedusæ (*Oceania*), small Planarians, small Tomopterids, *Peltidium*, Calanids and other Copepods, *Gammarus* and another Amphipod, small Isopod, Zoëæ (probably of the Brachyurous crab inhabiting the pools) very small and having just left the eggs. On the floating masses of *Macrocystis* were found Foraminifera, Hydroids, Holothurians, small bivalve shells, *Patella*, and Polyzoa. Occasionally the tow-net was completely filled with various species of Diatoms, at other times with Amphipods (*Hyperia*) and numerous Copepods; Pteropods (*Limacina*) were also at times very abundant.

STATION 150.

Station 150 (Sounding 254), between Kerguelen and Heard Islands (see Charts 18 and 22).

February 2, 1874; lat. 52° 4' S., long. 71° 22' E.

Temperature of air at noon, 41°·5, mean for the day, 41°·6.

Temperature of water :—

Surface,	37°·5	100 fathoms,	35°·2
50 fathoms,	36°·3	Bottom,	35°·2

Density at 60° F. at surface, 1·02515.

Depth, 150 fathoms; deposit, Coarse Gravel, containing about 20 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 9.20 A.M. shortened and furled sails, and got up steam to sound and dredge. Sounded in 150 fathoms, and obtained serial temperatures. Put dredge over. At