

STATION 234.
ORGANISMS FROM
SURFACE-NETS.

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

RADIOLARIA (Haeckel, Zool. pt. 40).

Heliosphæra castanella, Haeckel.

Sethoconus trochus, Haeckel.

Theocampe cryptoprora, Haeckel.

Auloceros furcosus, Haeckel.

Sagoplegma pyramidophora, Haeckel.

Medusetta quadrigata, Haeckel.

Castanissa crosbiei, Haeckel.

In addition, the following are recorded in the note-books from the surface and down to a depth of 60 fathoms :—Very many *Noctiluca* at the surface, nearly all with prey inside and more or less collapsed, unlike in this respect the quite spherical specimens taken while at anchor at Oosima ; *Noctiluca* was less abundant in the deep haul ; *Pyrocystis*, very few at the surface, more abundant in deep haul ; *Peridinium tripos* (*in catena*) and another species ; Diatoms (*Coscinodiscus*, &c.) ; *Globigerina*, *Orbulina*, *Hastigerina* ; *Vorticella* (on Diatoms) and other Infusoria ; Medusæ, Siphonophoræ, Ophiurid larvæ, *Sagitta*, Annelid larvæ, Planarian larvæ, *Daphnia*, *Cypridina*, *Setella*, Calanids, and other Copepods, Phronimids, *Euphausia*, *Lucifer*, Crustacean and other eggs, Zoëæ, small Gasteropods and Lamellibranchs, *Atlanta*, Pteropods and larvæ, *Appendicularia*, *Doliolum*. The hauls from the surface appeared to indicate a mixture of shallow-water (neritic) and pelagic organisms, and the presence probably of brackish water, while the deeper haul was much more oceanic in character.

STATION 235.

Station 235 (Sounding 376), off Japan (see Chart 35).

June 4, 1875 ; lat. 34° 7' N., long. 138° 0' E.

Temperature of air at noon, 69°·8 ; mean for the day, 69°·4.

Temperature of water :—

Surface,	73·0	125 fathoms,	57·7
25 fathoms,	71·2	150 „	54·7
50 „	66·4	175 „	51·5
75 „	63·5	200 „	48·0
100 „	60·5	Bottom,	38·1

Density at 60° F. at surface, 1·02557 ; bottom, 1·02560.

Depth, 565 fathoms ; deposit, Green Mud, containing about 5 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 8.30 A.M. observed land about Cape Sima on the port quarter. At 4 P.M. stopped and sounded in 565 fathoms. Put over trawl, which came up at 7.30 P.M. with many