

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

STATION 252.
ORGANISMS FROM
SURFACE-NETS.

RADIOLARIA (Haeckel, Zool. pt. 40).

Siphonosphæra pipetta, Haeckel.
Stylosphæra nana, Haeckel.
Litholophus penicillus, Haeckel.
Acanthonia quadrifolia, Haeckel.
Sethoconus trochus, Haeckel.
Theocampe cryptoprora, Haeckel.
Aulacantha spinosa, Haeckel.
Auloceros furcosus, Haeckel.
Sagoplegma scenophora, Haeckel.
Aulosphæra undulata, Haeckel.

Aulosцена flammabunda, Haeckel.
Challengeria bromleyi, Haeckel.
Gazelletta dendronema, Haeckel.
Polypetta mammillata, Haeckel.
Castanella wyvillei, Haeckel.
Conchidium rhynchonella, Haeckel.
Calodendrum bifurcum, Haeckel.
Calospathis octodactyla, Haeckel.
Calostylus flabellatus, Haeckel.

SCHIZOPODA (Sars, Zool. pt. 37).

Euchætomera typica, n.g., n.sp.

In addition, the following are recorded in the note-books :—*Globigerina*, *Orbulina*, Medusæ, Siphonophoræ, *Distomum*, *Cypridina*, Copepods, Cypris stage of *Lepas fascicularis*, *Archizoëa*, Hyperids, *Phronima*, *Euphausia*, *Sergestes* (?), *Halobates*, Nudibranchs (on dead *Velellæ*), *Atlanta*, *Oxygyrus*, and other Heteropods and larvæ, Pteropods, *Salpa*, fish eggs and egg-capsules (on dead *Velellæ*). Two tow-nets were sent down on the trawl-line—one at the trawl and one at the weights; the former was completely torn, but the latter contained Phæodaria and other Radiolaria, as well as some Crustacea not observed on the surface. A shark was seen about the ship.

Station 253 (Sounding 395), Yokohama to Sandwich Islands (see Chart 36, and Diagrams 18 and 19). STATION 253.

July 14, 1875; lat. 38° 9' N., long. 156° 25' W.

Temperature of air at noon, 70°·3; mean for the day, 69°·2.

Temperature of water :—

Surface,	67·7	400 fathoms,	39·2
25 fathoms,	58·8	500 „	38·3
50 „	53·4	600 „	37·6
75 „	51·3	700 „	36·9
100 „	50·4	800 „	36·4
125 „	49·6	900 „	36·2
150 „	49·1	1000 „	36·0
175 „	48·2	1100 „	35·8
200 „	46·9	1200 „	35·7
225 „	44·8	1300 „	35·5
250 „	43·0	1400 „	35·3
275 „	41·5	1500 „	35·1
300 „	40·5	Bottom,	35·1