

STATION 213.  
ORGANISMS FROM  
SURFACE-NETS.

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

## RADIOLARIA (Haeckel, Zool. pt. 40).

*Buccinosphæra invaginata*, Haeckel.  
*Chænicosphæra nassiterna*, Haeckel (?).  
*Psilomelissa galeata*, Haeckel.  
*Sethoconus trochus*, Haeckel.  
*Dictyomitra macilenta*, Haeckel.

## PTEROPODA (Pelseneer, Zool. pt. 65).

*Cavolinia longirostris* (Lesueur).  
,, *globulosa* (Rang).

## FISHES (Günther, Zool. pt. 78).

*Psenes cyanophrys*, C.V.

In addition, the following are recorded in the note-books :—*Peridinium*, *Globigerina*, two species of Ctenophoræ, Echinoderm and other larvæ, *Halobates*, *Pterotrachea*, *Salpa*, *Appendicularia*, *Fritillaria*, *Amphioxus*. A shark was seen while trawling.

## STATION 214.

Station 214 (Sounding 352), Samboangan to New Guinea (see Chart 31 and Diagram 15).

February 10, 1875 ; lat. 4° 33' N., long. 127° 6' E.

Temperature of air at noon, 81°·8 ; mean for the day, 80°·8.

Temperature of water :—

Surface, . . . . .	80·5	200 fathoms, . . . . .	48·7
25 fathoms, . . . . .	79·1	225 ,, . . . . .	47·8
50 ,, . . . . .	73·0	250 ,, . . . . .	46·8
75 ,, . . . . .	66·0	275 ,, . . . . .	45·9
100 ,, . . . . .	60·0	300 ,, . . . . .	45·2
125 ,, . . . . .	54·5	350 ,, . . . . .	43·9
150 ,, . . . . .	51·6	400 ,, . . . . .	43·0
175 ,, . . . . .	50·0	Bottom, . . . . .	41·8

Density at 60° F. at surface, 1·02551 ; bottom, 1·02562.

Depth, 500 fathoms ; deposit, Blue Mud, containing 34·34 per cent. of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 4.45 A.M. the Meangis Islands were visible ahead. Sailed to the W. of them. At 8 A.M. got up steam. At 8.30 A.M. shortened and furled sails, and proceeded under steam. Sounded in 500 fathoms. Put trawl over. Later in forenoon a canoe, carrying a Dutch flag, full of men and boys, natives of the islands, came alongside with birds and mats to exchange for tobacco. At 12.30 P.M. hove up trawl with numerous specimens. Sent down trawl a second time. Obtained serial temperatures down to the bottom