

the surface. There were also several forms of Radiolaria on the surface, and Mr. Murray with a hand-glass picked up a specimen of *Globigerina*, with several of the Oscillatoriaceæ and one of the jelly-masses attached; this specimen of *Globigerina* had most delicate spines, the length of the longest ones being fully eleven times the diameter of the shell. The tow-net sent down to 60 or 80 fathoms brought up the following:—*Pyrocystis*, *Peridinium* (sometimes as many as twenty in a chain), *Globigerina*, *Orbulina*, *Pulvinulina*, *Acanthometræ*, *Polycystinæ*, and other Radiolaria, many Acraspedote Medusæ, *Diphyes*, two species of Ctenophoræ, larvæ of Echinoderms (Holothurid and Asterid), *Sagitta*, Sabellid larva in tube, larvæ of *Balanoglossus* (*Tornaria*), *Saphirina* and other Copepods, small Mysid and other Crustacea and larvæ, *Atlanta*, *Macgillivraya spinigera*, *Styliola*, and other small shells, *Appendicularia*, many *Fritillariæ*.

STATION 199

Some organisms frequently observed in the Atlantic and Southern Indian Ocean, such as: large *Salpæ*, *Veella*, *Physalia*, *Ianthina*, *Carinaria*, another large Heteropod, *Scyllæ*, Sternoptychidæ, and small Scopelidæ, have not been noticed on the surface while cruising among the East Indian islands, since leaving Raine Island on August 31. In the afternoon a shark, belonging to the same species as that taken on July 14 (*Carcharias lamia*), was caught; it had a small *Echeneis* attached to it.

Moseley writes: "The sea was full of minute Algæ, among which there appeared to be a *Lyngbya*, *Spirillum*, *Agonium*, and *Trichodesmium*."

### Station 200 (Sounding 334), Amboina to Samboangan (see Chart 31).

STATION 200.

October 23, 1874; lat. 6° 47' N., long. 122° 28' E.

Temperature of air at noon, 87°·3; mean for the day, 83°·7.

Temperature of water at surface, 85°·5.

Density at 60° F. at surface, 1·02536.

Depth, 250 fathoms; deposit, Green Mud.

At daybreak entered Basilan Strait. At 5.20 A.M. stopped near Sibago Island. Swung ship to ascertain errors of compasses and of dipping-needle. Sounded in 100 fathoms, no bottom. Position of ship at noon in Basilan Strait between Sibago and Malanipa Islands. At 2.25 P.M. completed swinging ship. Sounded in 250 fathoms, and obtained two hauls with the trawl, many specimens being procured. At 5 P.M. proceeded for Samboangan, anchoring there at 8.50 P.M.

The following species are recorded in the Zoological Reports from the trawl at this Station:—