

condition, and very frequently with Diatoms and other minute organisms in the interior. Not more than one or two specimens of *Pyrocystis* were observed in the tow-nets during this time. *Ceratium* (*Peridinium*) *tripos* was also abundant, but never observed *in catena*. Spherical jelly-masses, in which were minute Diatoms (*Coscinodiscus* and *Navicula*), were very abundant, as well as Oscillatoriaceæ, Medusæ, *Diphyes*, *Sagitta*, Aphroditacean larvæ, *Evadne*, numerous Copepods, Cirriped larvæ, and *Appendicularia*.

HONG KONG.

Shortly after leaving Hong Kong the screw was taken up, and was found to be covered with *Tubularia*, *Caprella*, small Copepods, and *Balanus*, very much like what was observed after leaving the Cape (December 20, 1873).

Station 206 (Sounding 342), Hong Kong to Manila (see Chart 31 and **STATION 206**. Diagram 14).

January 8, 1875; lat. 17° 54' N., long. 117° 14' E.

Temperature of air at noon, 76°·0; mean for the day, 74°·3.

Temperature of water:—

Surface,	75·2	200 fathoms,	48·5
10 fathoms,	75·1	250 „	46·5
20 „	75·0	300 „	45·0
30 „	74·2	350 „	43·6
40 „	72·3	400 „	42·4
50 „	68·5	500 „	40·2
60 „	66·0	600 „	38·7
70 „	64·2	700 „	37·5
80 „	62·2	800 „	36·7
90 „	60·6	900 „	36·5
100 „	59·2	1000 „	36·5
150 „	51·6	Bottom,	36·5

Density at 60° F. at surface, 1·02538; bottom, 1·02568.

Depth, 2100 fathoms; deposit, Blue Mud, containing only a trace of carbonate of lime (see Murray and Renard, Deep-Sea Deposits Chall. Exp.).

At 6 A.M. got up steam. At 9.15 A.M. shortened and furled sails. At 9.30 A.M. proceeded under steam and sounded in 2100 fathoms about half-way between Cape Bojeador, N.W. extremity of Luzon Island, and Macclesfield Bank, and about the middle of the China Sea. At 11 A.M. put trawl over. At 1 P.M. obtained serial temperatures down to 1000 fathoms. At 3.15 P.M. commenced heaving in trawl, which came up at 5 P.M. with only one Caridid shrimp and a small fish. It is probable that the trawl never reached the bottom. Made sail.