

STATION 175.

Lagena stelligera, Brady.
Nodosaria mucronata (Neugeboren).
Uvigerina asperula, Czjzek.
 × *Globigerina æquilateralis*, Brady.
 × „ *bulloides*, d'Orbigny.
 × „ „ var. *triloba*, Reuss (?).
 × „ *conglobata*, Brady.
 × „ *dubia*, Egger.
 × „ *inflata*, d'Orbigny.
 × „ *rubra*, d'Orbigny.
 × „ *sacculifera*, Brady.
 × *Orbulina universa*, d'Orbigny.
 × *Pullenia obliquiloculata*, Parker and Jones.
 „ *quinqueloba*, Reuss.
 „ *sphæroides* (d'Orbigny).

Sphæroidina bulloides, d'Orbigny.
 × „ *dehiscens*, Parker and Jones.
 × *Candeina nitida*, d'Orbigny.
Truncatulina wuellerstorfi (Schwager).
 „ sp. (?).
 × *Pulvinulina canariensis* (d'Orbigny).
 × „ *crassa* (d'Orbigny).
 „ *elegans* (d'Orbigny).
 „ *favus*, Brady.
 × „ *menardii* (d'Orbigny).
 × „ *micheliniana* (d'Orbigny).
 × „ *tumida*, Brady.
 „ *umbonata*, Reuss.
Nonionina umbilicatula (Montagu).

August 13, 14, 1874.

ORGANISMS FROM
SURFACE-NETS.

Surface Organisms.—On these dates the tow-net was used several times, but never far below the surface, the following being procured:—Spherical Algæ (*Halosphæra*), *Ethmodiscus* and other Diatoms, *Pyrocystis*, *Globigerina*, *Orbulina*, Radiolaria, Echinoderm larvæ, *Sagitta*, many Copepods (especially *Saphirina*), *Phronima*, *Hyperia*, *Lucifer*, Zoëæ and many larval Crustacea, larval Lamellibranchs, *Atlanta*, *Styliola*, *Heterofusus* [= *Limacina*], and many other pelagic shells, small Cephalopods (*Cranchia*, &c.), *Salpa*, and small fish. From the stomach of a *Salpa* were obtained many Rhabdospheres and Coccospheres of various forms, a number of small Radiolaria and other siliceous organisms, and a single Diatom.

It may be remarked that in examining the deposit from 1350 fathoms (Station 175) not a single shell of Pteropods, *Atlanta*, or other pelagic Molluscs, was observed, although they occurred in the tow-nets at the surface in much greater abundance than the Foraminifera, which latter made up about 80 per cent. of the carbonate of lime present in the ooze.

STATION 176.

Station 176 (Sounding 306), Fiji to Raine Island (see Chart 27 and Diagram 13).

August 15, 1874; lat. 18° 30' S., long. 173° 52' E.

Temperature of air at noon, 75°·5; mean for the day, 75°·4.

Temperature of water:—

Surface,	77·5	175 fathoms,	61·0
25 fathoms,	76·0	200 „	56·8
50 „	75·2	300 „	45·2
75 „	72·9	400 „	41·8
100 „	69·7	500 „	40·3
125 „	67·0	Bottom,	36·2
150 „	64·0		