

STATION 165.

SCHIZOPODA (Sars, Zool. pt. 37).
Siriella thompsoni (M.-Edwards).
 CEPHALOPODA (Hoyle, Zool. pt. 44).
Taonius suhmi (Lankester), n.sp.

TUNICATA (Herdman, Zool. pt. 76).
Doliolum ehrenbergi, Krohn.
Salpa democratica-macronata,
 Forskåhl.

In addition, the following are recorded in the note-books:—*Globigerina*, *Pulvinulina micheliniana*, *Physalia*, *Velella*, *Diphyes*, *Sagitta*, *Saphirina* and other Copepods, *Hyperia*, larvæ of *Squilla*, *Euphausia*; and *Calcarella spinosa* for the first time.

Willemoes-Suhm writes: “*Calcarella spinosa* having been taken on the surface, it could be ascertained that it is indeed a Heteropod allied to the Atlantidæ. Some doubts seem to exist about it, for Adams places it among the Heteropods, though very little known, while Keferstein mentions neither *Calcarella* nor *Macgillivraya* in Bronn’s Klassen und Ordnungen des Thierreichs. These Molluscs seem to be peculiar to the South Sea; Murray says he has met with them several times.”

STATION 165A.

Station 165A (Sounding 281), Sydney to New Zealand (see Chart 27 and Diagram 11).

June 19, 1874; lat. 36° 41' S., long. 158° 29' E.

Temperature of air at noon, 58°·3; mean for the day, 57°·3.

Temperature of water:—

Surface,	62·5	400 fathoms,	43·8
10 fathoms,	62·8	500 ”	41·6
20 ”	62·5	600 ”	39·8
30 ”	62·5	700 ”	38·6
40 ”	62·0	800 ”	37·5
50 ”	60·5	900 ”	36·9
60 ”	59·2	1000 ”	36·5
70 ”	58·0	1100 ”	36·2
80 ”	57·0	1200 ”	36·0
90 ”	56·4	1300 ”	35·7
100 ”	55·8	1400 ”	35·4
200 ”	50·8	1500 ”	35·1
300 ”	47·0	Bottom,	34·4

Density at 60° F.:—

Surface,	1·02637	150 fathoms,	1·02606
5 fathoms,	1·02636	300 ”	1·02571
100 ”	1·02606	400 ”	1·02627