

TUNICATA (Herdman, Zool. pt. 76).

Salpa echinata, n.sp.
 ,, *mollis*, n.sp.
 ,, *cylindrica*, Cuvier.
 ,, *runcinata - fusiformis*,
 Chamisso—Cuvier.

Salpa democratica - mucronata,
 Forskål.
 ,, *scutigera - confæderata*,
 Cuvier—Forskål.

STATION 295.

FISHES (Günther, Zool. pt. 78).

Scopelus coccoi (Cocco).

In addition, the following are recorded in the note-books (November 5 to 8):—
Peridinium, *Globigerina*, *Hastigerina*, *Pulvinulina*, large Medusæ (*Pelagia*), many forms of Siphonophoræ, Ctenophoræ (*Pleurobrachia* ?), *Sagitta*, *Tomopteris*, *Cypridina*, many Copepods, Hyperids, Phronimids, Stomatopod larvæ, *Euphausia*, *Lucifer*, Dohrn's larva, *Ianthina* and other small shells, various forms of Pteropods, many small transparent Cephalopods, several small Scopelids with phosphorescent dots, and fish eggs. In the deep nets attached to the trawl were several deep-sea Crustaceans, along with many Phæodaria and other Radiolaria. There was no phosphorescence on the surface at night, but the tow-net when drawn in at night showed many bright spots, due principally to a large species of *Pelagia*.

Station 296 (Sounding 441), Tahiti to Valparaiso (see Chart 38 and Diagram 20).

STATION 296.

November 9, 1875; lat. 38° 6' S., long. 88° 2' W.

Temperature of air at noon, 60°·8; mean for the day, 58°·6.

Temperature of water:—

Surface,	59·8	500 fathoms,	40·2
25 fathoms,	56·8	600 "	39·6
50 "	54·6	700 "	39·0
75 "	52·2	800 "	38·5
100 "	50·1	900 "	38·0
125 "	48·1	1000 "	37·5
150 "	46·3	1100 "	37·0
175 "	45·0	1200 "	36·6
200 "	43·8	1300 "	36·4
225 "	43·2	1400 "	36·2
250 "	42·7	1500 "	36·0
275 "	42·1	1600 "	35·8
300 "	41·7	1700 "	35·6
400 "	40·8	Bottom,	35·3