

OSTRACODA (Brady, Zool. pt. 3).

Cythere dictyon, n.sp.,, *dasyderma*, n.sp.

COPEPODA (Brady, Zool. pt. 23).

Pontostratiotes abyssicola, n.g., n.sp.

AMPHIPODA (Stebbing, Zool. pt. 67).

Vibilia sp. (?)

SCHIZOPODA (Sars, Zool. pt. 37).

Thysanoëssa gregaria, n.sp.*Nematoscelis megalops*, n.g., n.sp.*Stylocheiron elongatum*, n.g., n.sp.

STATION 332.

PTEROPODA (Pelseneer, Zool. pts. 58 and 65).

Spongiobranchæa australis, d'Orbigny.*Clio (Styliola) subula* (Quoy and Gaimard).,, *pyramidata*, Linné.

TUNICATA (Herdman, Zool. pt. 76).

Salpa runcinata - fusiformis,

Chamisso—Cuvier.

The tow-nets at the surface and down to 150 or 200 fathoms yielded :—Ctenophoræ, *Tomopteris*, small Copepods, Amphipods, Isopods, many *Euphausiæ* (some with *Distomum* and *Bopyrus* parasitic), *Pleuropus* and *Diacria* [= *Cavolinia*] and other small Pteropods, many *Salpæ*, small Scopelids. Most of these animals appeared to feed on *Peridinium*, *Coccospheres*, and other minute organisms, for their stomachs were filled with them. The tow-net at the weights showed no signs of having touched the bottom, and contained several varieties of Challengeridæ, while one of the tow-nets at the trawl had very little deposit in it and brought up a specimen of *Sternoptyx*.

Station 333 (Sounding 483), Rio de la Plata to Tristan da Cunha (see Chart 16 and Diagram 6). STATION 333.

March 13, 1876; lat. 35° 36' S., long. 21° 12' W.

Temperature of air at noon, 71°·3; mean for the day, 69°·4.

Temperature of water :—

Surface,	67·0	400 fathoms,	39·9
25 fathoms,	62·2	500 "	38·4
50 "	57·2	600 "	37·6
75 "	55·2	700 "	37·3
100 "	55·0	800 "	37·3
125 "	54·2	900 "	37·3
150 "	52·0	1000 "	37·3
175 "	49·3	1250 "	37·3
200 "	46·5	1450 "	37·3
225 "	45·0	1650 "	37·3
250 "	43·8	1850 "	37·3
275 "	42·7	Bottom,	35·4
300 "	42·0		