

*Lithoptera darwini*, Haeckel.  
*Dodecaspis tricinata*, Haeckel.  
*Dorypelta ramosa*, Haeckel.

OSTRACODA (Brady, Zool. pt. 3).

*Halocypris atlantica*, Lubbock.  
 „ *brevirostris*, Dana.

COPEPODA (Brady, Zool. pt. 23).

*Calanus tonsus*, n.sp.

*Undina darwini*, Lubbock.  
*Euchaeta prestandreæ*, Philippi.  
*Centropages violaceus* (Claus).  
*Oncæa obtusa* (Dana).

AMPHIPODA (Stebbing, Zool. pt. 67).

*Podocerus validus* (Dana).  
*Euthemisto gaudichaudii* (Guérin).

In addition, the following are recorded in the note-books from the tow-nets at the surface and down to 60 fathoms :—Diatoms, *Ceratium* (*Peridinium*) *tripos*, Coccospheres and Rhabdospheres, *Globigerina*, *Orbulina*, *Pulvinulina*, Infusoria, Medusæ, Siphonophoræ, *Sagitta*, larvæ of Mysids and other Crustacea, *Appendicularia*, small fishes. The tow-net at the weights had not touched the bottom and contained a number of deep-sea organisms, including Polycystinæ, Phæodaria (*Challengeria*), and other Radiolaria, along with several very large *Sagittæ*, while the tow-nets at the trawl each contained some ooze, in which were some surface and deep-sea organisms. Schools of porpoises were seen about the ship, and one was struck but not captured.

**Station 303** (Sounding 448), Valparaiso to Gulf of Peñas (see Chart 40 and **STATION 303.** Diagram 21).

December 30, 1875 ; lat. 45° 31' S., long. 78° 9' W.

Temperature of air at noon, 53°·8 ; mean for the day, 53°·7.

Temperature of water :—

Surface, . . . . .	54·8	300 fathoms, . . . . .	40·8
25 fathoms, . . . . .	51·4	400 „ . . . . .	39·8
50 „ . . . . .	48·5	500 „ . . . . .	39·0
75 „ . . . . .	46·4	600 „ . . . . .	38·1
100 „ . . . . .	44·9	700 „ . . . . .	37·4
125 „ . . . . .	43·9	800 „ . . . . .	36·8
150 „ . . . . .	43·1	900 „ . . . . .	36·4
175 „ . . . . .	42·5	1000 „ . . . . .	36·2
200 „ . . . . .	42·0	1100 „ . . . . .	36·0
225 „ . . . . .	41·6	1200 „ . . . . .	36·0
250 „ . . . . .	41·3	Bottom, . . . . .	36·0
275 „ . . . . .	41·0		