

STATION 353.

Tetrapyle pluteus, Haeckel.
Amphitholus armatus, Haeckel.
Staurolitholium lenticulare, Haeckel.
Tholocubus tesserarius, Haeckel.
Spirema lentellipsis, Haeckel.
Lithelius spiralis, Haeckel.
Lithophyllum cruciatum, Haeckel.
Xiphacantha quadridentata, Haeckel.
Acanthostaurus purpurascens, Haeckel.
Amphilonche tetraptera, Haeckel.
Phractaspis cataphracta, Haeckel.

SIPHONOPHORÆ (Haeckel, Zool. pt. 77).

Ersæa compressa, n.sp.
Diphyopsis compressa, n.g., n.sp.

COPEPODA (Brady, Zool. pt. 23).

Calanus gracilis, Dana.
Hemicalanus longicornis, Claus.
Pleuromma abdominale (Lubbock).
Heterochæta spinifrons, Claus.
Leuckartia flavicornis, Claus.
Undina darwinii, Lubbock.
Scolecithrix danæ (Lubbock).
Euchæta prestandreæ, Philippi.
Centropages violaceus, Claus.
Candace pachydactyla, Dana.
 „ *truncata*, Dana.
Oithona challengerii, n.sp.
Corycæus varius, Dana.
 „ *venustus*, Dana.

Tessaraspis quadriforis, Haeckel.
Icosaspis elegans, Haeckel.
Phatnaspis orthopora, Haeckel.
Lithomelissa bicornis, Ehrenberg.
Arachnocorys circumtexta, Haeckel.
Dictyoceras formica, Haeckel.
Sagena crucifera, Haeckel.
Aulatractus diploconus, Haeckel.
Challengeron balfouri, Murray.
Castanella channeri, Haeckel.
Castanidium murrayi, Haeckel.

SCHIZOPODA (Sars, Zool. pt. 37).

Thysanopoda microphthalmia, n.sp.
Nematoscelis rostrata, n.g., n.sp.

NUDIBRANCHIATA (Bergh, Zool. pt. 26).

Glaucus atlanticus, Forster.
Scyllæa pelagica, Linné.

PTEROPODA (Pelseneer, Zool. pt. 65).

Clio (Creseis) acicula (Rang).
Cavolinia quadridentata (Lesueur).
 „ *longirostris* (Lesueur).

TUNICATA (Herdman, Zool. pt. 76).

Doliolum sp., (blastozoid).
Salpa democratica - mucronata,
 Forskål.

FISHES (Günther, Zool. pt. 78).

Prymnothonus sp., (young).

The tow-nets at the surface and down to 80 fathoms yielded:—Oscillatoriaceæ, *Pyrocystis*, *Orbulina*, compound Radiolaria, *Diphyes* and other Siphonophoræ, *Sagitta*, *Alciopa*, *Tomopteris*, *Cypridina*, Copepods, Hyperids, Phronimids, *Euphausia* larvæ, *Sergestes* larvæ, *Atlanta*, *Pterotrachea*, Pteropods and larvæ, *Appendicularia*, *Salpa*, and small fishes. On May 4 and 5 large quantities of gulf-weed were passed, and several patches were taken in the tow-net, along with Hydroids, shrimps, crabs, *Scyllæa*, Polyzoa, and pipe-fish; on both days a few small pieces of pumice, covered with a green Alga and *Serpula*, were procured in the net. Many *Physaliæ* floated past the ship.