

STATION 181.

<i>Clio</i> (<i>Creseis</i>) <i>acicula</i> (Rang).	<i>Cleodora compressa</i> , Souleyet (= young of <i>Cavolinia trispinosa</i>).
„ (<i>Hyalocylix</i>) <i>striata</i> (Rang).	
„ (<i>Styliola</i>) <i>subula</i> , Quoy and Gaimard.	TUNICATA (Herdman, Zool. pt. 76).
„ <i>chaptali</i> (Souleyet).	<i>Salpa cordiformis-zonaria</i> , Quoy and Gaimard—Pallas.
<i>Cuvierina columnella</i> (Rang).	„ <i>cylindrica</i> , Cuvier.
<i>Cavolinia trispinosa</i> (Lesueur).	„ <i>runcinata-fusiformis</i> , Chamisso—Cuvier.
„ <i>quadridentata</i> (Lesueur).	<i>Appendicularia</i> sp. (?).
„ <i>longirostris</i> (Lesueur).	
„ <i>inflexa</i> (Lesueur).	

In addition, the following are recorded in the note-books:—*Pyrocystis*, *Peridinium* in chains, Oscillatoriaceæ, Foraminifera (*Globigerina* in prodigious numbers, and *Orbulina*), *Acanthometra* and other Radiolaria, small Actinian (*Nautactis*), *Diphyes* and other Siphonophoræ, *Sagitta*, Annelid larvæ (Aphroditacean), *Cyllopus*, *Oxycephalus*, *Rhabdosoma*, *Hyperia*, Squillid larvæ, *Sergestes*, *Lucifer*, *Phyllosoma*, young Caridids, Zoëæ, Megalopæ, larval Lamellibranchs, *Atlanta*, *Pterotrachea*, *Macgillivraya*, *Theceurybia* [= *Halopsyche*] *gaudichaudi* with larvæ, small Cephalopod and cuttlefish eggs in strings, *Pyrosoma*, young fishes (Pleuronectids, Leptocephalids, and Scopelids). The otter trawl was towed for some time from the lower boom; it was never far beneath the surface, and when hauled in was found to contain a mass of jelly-like matter with strings of red spots, which turned out to be the eggs of a Cephalopod. Several sharks were seen, and one was caught, apparently belonging to the same species as those taken on July 14 and August 3 (*Carcharias lamia*).

Willemoes-Suhm writes: "On the surface the animals were as plentiful as we found them north and south of the equator in the Atlantic. *Halobates* and *Phyllirhoë* have not been observed, whereas the transparent Pleuronectidæ have made their appearance, of which, besides the common form, there is another distinguished by a long filament on the forehead and a more elongated body, the specimens of which were perfectly symmetrical. In the Pacific we found the Heteropod *Calcarella* and some Pteropods not taken in the Atlantic. Of the latter I may mention the curious form taken between Sydney and Wellington (*Petagia alba*?) [= *Taonius suhmi*], *Theceurybia* [= *Halopsyche*] *gaudichaudi*, and a small Cymbulid, which has been very common since leaving the Kermadec Islands; I think we have also got its larvæ. There were also larvæ of a *Pneumodermopsis* (?) [= *Dexiobranchæa*] with peculiar cutaneous organs, which in some may correspond with the organs described by Gegenbaur in *Pneumodermos* [= *Dexiobranchæa*] *ciliatum*. *Macgillivraya* has also made its appearance, and will henceforth probably be very common. *Tomopteris* was absent or very rare. *Alciopa* was always present, and also young Terebellids, which sometimes floated about with a gelatinous