

Callionymus calauropomus, Rich. Obtained also at Station 204, 115 fathoms.

STATION 162.

Lophonectes gallus, n.g., n.sp. Obtained also at Port Jackson, 30 fathoms. Only species of the genus.

In addition to the foregoing, the following are recorded in the Station-book:— Actinian, several Comatulæ, and shell of *Argonauta hians*.

Excluding Protozoa, about 500 specimens of invertebrates and fishes were obtained at this Station, belonging to about 210 species, of which 94 are new to science, including representatives of 14 new genera; 65 of the new species and 5 new genera were not obtained elsewhere.

Willemoes-Suhm writes: "The dredge and trawl brought up a great mass of specimens very well illustrating the Australian shallow-water fauna. Besides the remarkable *Goniocidaris* and other Echinoderms, all the chief genera of the larger Polyzoa: *Eschara*, *Retepora*, *Flustra*, *Catenicella*, *Biflustra*, were found. There were only a few Annelids, among which I remarked a very elongated form of Aphroditaceans. A *Ranina* was found commensalistic in Ascidians and Sponges. Ascidians were very plentiful, both simple and composite. Among the Mollusca, which were represented by some genera of warmer climates, as *Pinna*, *Conus*, and *Cypræa*, we found empty shells of *Trigonia* and *Argonauta*, also some specimens of Octopod cuttle-fishes. The fishes included a small species of *Balistes*, *Trigla*, and *Platessa*."

Surface Organisms.—The following species are recorded from the surface in this locality:—

ORGANISMS FROM
SURFACE-NETS.

RADIOLARIA (Haeckel, Zool. pt. 40).

Xiphostylus phasianus, Haeckel.*Castanidium bromleyi*, Haeckel.

COPEPODA (Brady, Zool. pt. 23).

Acartia denticornis, n.sp.*Candace pectinata*, Brady.*Copilia mirabilis*, Dana.*Corycæus varius*, Dana.*Oncæa obtusa* (Dana).*Saphirina ovalis*, Dana.*Setella gracilis*, Dana.

AMPHIPODA (Stebbing, Zool. pt. 67).

Euthemisto australis, n.sp. (?)*Phoxocephalus bassi*, n.sp.*Tetrathyrus moncæuri*, n.sp.*Thamneus platyrrhynchus*, n.sp.

SCHIZOPODA (Sars, Zool. pt. 37).

Nyctiphanes australis, n.g., n.sp.

PTEROPODA (Pelseneer, Zool. pt. 65).

Limacina inflata (d'Orbigny).,, *lesueuri* (d'Orbigny).,, *trochiformis* (d'Orbigny).,, *bulimoides* (d'Orbigny).*Clio (Creseis) virgula* (Rang).*Cavolinia longirostris* (Lesueur).