

STATION 106.

FISHES (Günther, Zool. pt. 57).

- Melamphaës robustus*, n.sp. One injured specimen; obtained at no other locality.
Melanocetus murrayi, n.sp. One specimen; obtained also at Station 348, 2450 fathoms.
Sternoptyx diaphana (Herm.). One specimen (probably from near the surface); for distribution see Station 101.
Gonostoma microdon, n.sp. Two specimens; for distribution see Station 23.

In addition to the foregoing, the following are recorded in the Station-book:—Branched Rhizopods, two red fragments of *Balanoglossus*, which show that the whole animal must have been at least half a foot in length, many specimens of *Chalaraspis ungnifer* [= *Eucopeia australis*, Dana], and many Hydroids attached to the spines of *Salenia*.

Excluding Protozoa, about 100 specimens of invertebrates and fishes were obtained at this Station, belonging to about 38 species, of which 28 are new to science, including representatives of 7 new genera; 13 of the new species were not obtained elsewhere.

ORGANISMS FROM
SURFACE-NETS.

Surface Organisms.—The following species are recorded from the tow-nets sent down to 40 fathoms:—

COPEPODA (Brady, Zool. pt. 23).

- Undina vulgaris*, Dana.
Euchæta prestandreæ, Philippi.
Corycæus speciosus, Dana.

AMPHIPODA (Stebbing, Zool. pt. 67).

- Phronimella elongata*, Claus.
Platyscelus serratulus, n.n.
Thyropus danæ, n.sp.

- Eupronoë intermedia*, n.sp.
Oxycephalus porcellus, Claus.

MACRURA (Spence Bate, Zool. pt. 52).

- Sergestes longispinus*, n.sp.
 „ *oculatus*, Krøyer.

PTEROPODA (Pelseneer, Zool. pt. 65).

- Clio* (*Creseis*) *virgula* (Rang).
Cavolinia longirostris (Lesueur).

On August 25 to 27, hauls were taken each day with the tow-net in depths of 40 to 100 fathoms, always with good results, and specimens obtained of Oscillatoriaceæ Diatoms, *Vorticellæ* on Diatoms, Coccospheres, *Pyrocystis*, *Peridinium*, Foraminifera (*Pulvinulina*, *Orbulina*, *Sphæroidina*, *Globigerina*, *Pullenia*), Radiolaria, Siphonophoræ (including three species not previously observed), *Brachiolaria*, *Alciopa*, *Tomopteris*, *Hydrophanes*, *Saphirina* and other Copepods, *Typhis*, *Oxycephalus*, *Phronimella*, *Phronima* (young; the adults probably live in deeper water as they always came up in the trawl, seldom in the tow-net), *Lucifer*, *Pterotrachea*, *Oxygyrus*, and *Cranchia*.