

At 6 A.M. stopped and put trawl over, veering 2000 fathoms. At 7.40 A.M. sounded in 2325 fathoms; veered trawl rope. At 10.30 A.M. obtained serial temperatures down to 1500 fathoms. The carbonic acid was determined in bottom water, and amounted to 61.9 milligrammes per litre. At 12.30 P.M. commenced heaving in trawl, which came up foul at 4 P.M., containing only a few specimens and pumice-stones. Made sail and proceeded towards the Mariana or Ladrone Islands. A boatswain bird fell on the deck from the rigging, having probably been injured through the manipulation of the ropes, and a noddy tern came on board; a large flock of petrels or shearwaters seen at the Admiralty Islands was observed near the ship.

STATION 223.

Distance at noon from Guam Island, 464 miles; from Elato Island, Caroline Islands, 90 miles; from Nile Shoal, about 30 miles. Made good 70 miles. Amount of current 8 miles, direction N. 21° E.

The following species are recorded in the Zoological Reports from the trawl at this Station:—

ANIMALS FROM  
TRAWL.

#### CRINOIDEA (Carpenter, Zool. pt. 32).

*Hyocrinus bethellianus*, Wyville Thomson, n.g., n.sp. (?). One young specimen; obtained also at Stations 106 and 147. Only species of the genus.

#### FISHES (Günther, Zool. pt. 57).

*Gonostoma microdon*, n.sp. Two specimens; for distribution see Station 23.

The Station-book records also a Peneid shrimp, and small siliceous Sponges attached to pumice-stones.

**Surface Organisms.**—During the forenoon two tow-nets were carried away by sharks, and a third caught in the screw; in the afternoon a few hauls were taken and the following procured:—*Pyrocystis*, *Peridinium* (*in catena*), *Ethmodiscus*, *Coscinodiscus*, and other Diatoms (*Planktoniella*), *Globigerina*, *Orbulina*, Radiolaria, Medusæ, Siphonophoræ, Ctenophoræ, Echinoderm larvæ, *Sagitta*, Aphroditacean and tubicolous Annelids, *Calanus*, *Copilia*, *Pontella*, *Saphirina*, *Hyperia*, Phronimids, *Euphausia*, *Lucifer*, *Sergestes* larvæ, *Atlanta*, *Firoloida*, *Pneumonoderma*, *Styliola*, *Hyalæa* [= *Cavolinia*], and other Pteropods, *Appendicularia*, *Doliolum*. A *Salpa* came up on the net of the trawl, and in its stomach were *Acanthometræ*, *Coscinodiscus*, Coccospheres, and other minute organisms. A young male shark (*Carcharias lamia*) was caught; it had *Caligus* and another parasite on it.