

TUNICATA (Herdman, Zool. pt. 38).

TONGATABU.

Leptoclinum tonga, n.sp. One specimen ; obtained at no other locality.

FISHES (Günther, Zool. pt. 6).

Zygæna malleus, Risso. Obtained also at Sandwich Islands.

Trygon kuhli, M. and H. Obtained at no other locality by the Challenger.

Serranus dispar, Playfair. Obtained at no other locality by the Challenger.

Mesoprion fulviflamma, Forsk. Obtained also at Fiji.

Cæcio tile, C.V. Obtained at no other locality by the Challenger.

Gerres oyena, Forsk. Obtained also at Fiji.

Holocentrum spiniferum, Forsk. Obtained at no other locality by the Challenger.

Mugil kelaarti, Günther. Obtained at no other locality by the Challenger.

„ *tongæ*, n.sp. Obtained at no other locality.

Ophichthys maculosus, Cuvier. Obtained at no other locality by the Challenger.

Excluding Protozoa, over 150 specimens of invertebrates and fishes were obtained at this place, belonging to about 120 species, of which 32 are new to science, including representatives of 2 new genera ; 22 of the new species and 1 new genus were not obtained elsewhere. From the deeper water (240 fathoms) 6 species were obtained, of which 5 are new, including representative of 1 new genus ; 2 of the new species and the new genus were not obtained elsewhere. One of the new species was taken also only in the shallower water (18 fathoms).

Willemoes-Suhm writes : “ The sandy bottom in 18 fathoms was evidently covered by Algæ, among which were Corals, Crustacea, and shells. A little green *Stenorhynchus* was specially adapted for life among the Algæ ; the *Lupea* had brighter colours, and *Alpheus*, a compressed little Astacid, made a cracking noise by knocking one finger of its chela upon the other. From 240 fathoms a Hyperid was obtained having very remarkable appendages to the pereion, enabling it to close up exactly like a ball.”

Moseley writes : “ From 18 fathoms we brought up numerous Algæ, *Halimeda caulerpa*, &c., one specimen of *Acetabularia*, great abundance of a green confervoid-looking Alga, one melanosperm *Pavonaria* (?), one red Alga, and abundance of *Halophila* in fruit (that on the reefs in shallow water was not, I think, in fruit).”

FORAMINIFERA (Brady, Zool. pt. 22).—The following species of Foraminifera were observed during the examination of the deposit from 18 fathoms (Station 172) ; the pelagic species, which make up about 6 per cent. of the carbonate of lime present in the deposit, are marked thus × :—

ORGANISMS FROM
THE DEPOSIT.

Nubecularia divaricata, Brady.

„ *inflata*, Brady.

„ *lucifuga*, Defrance.

Biloculina ringens (Lamarck), var. *denticulata*, Brady.

Spiroloculina grata, Terquem.

Miliolina alveoliniiformis, Brady.