

sounded in 18 fathoms, deposit Coral Sand, containing 90.70 per cent. of carbonate of lime (Station 172). Put dredge over. At 11 A.M. hove up dredge, containing many specimens, and proceeded. At 11.20 A.M. stopped and sounded in 240 fathoms, deposit Coral Sand, containing 86.44 per cent. of carbonate of lime (Station 172A). Put over dredge, which came up at 12.10 P.M. with several specimens. Proceeded under steam. TONGATABU.

The following species are recorded in the Zoological Reports from the dredge at these two Stations; the great majority come from the shallower depth (18 fathoms), the depth being given for those from the greater depth (240 fathoms):— ANIMALS FROM TONGATABU.

ALCYONARIA (Wright and Studer, Zool. pt. 64).

*Sarcophytum tongatabuensis*, n.sp. One specimen; obtained at no other locality.

CORALS (Moseley, Zool. pt. 7).

*Cycloseris tenuis* (Dana). Obtained at no other locality by the Challenger. Recorded from the Pacific.

REEF CORALS (Quelech, Zool. pt. 46).

*Stylophora prostrata*, Klunzinger. Obtained also at Fiji.

*Pocillopora suffruticosa*, Verrill. Obtained at no other locality by the Challenger.

*Caulastraea distorta*, Dana. Obtained at no other locality by the Challenger.

*Cœloria leptoticha*, Klunzinger. Obtained at no other locality by the Challenger.

*Pavonia divaricata*, Lamarek. Obtained at no other locality by the Challenger.

„ *crassa*, Dana. Obtained at no other locality by the Challenger.

*Psammocora obtusangula* (Lamarek). Obtained at no other locality by the Challenger.

*Madrepora pocillifera*, Lamarek. Obtained also at Fiji and New Hebrides.

*Turbinaria brassica* (Dana). Obtained at no other locality by the Challenger.

*Porites arenosa* (Esper). Obtained also at Fiji, Banda, and Tahiti.

CRINOIDEA (Carpenter, Zool. pt. 60).

*Antedon regalis*, n.sp. One specimen; obtained at no other locality.

*Actinometra quadrata*, n.sp. Obtained at no other locality.

ASTEROIDEA (Sladen, Zool. pt. 51).

*Linckia pacifica*, Gray, var. *diplax*, Müller and Troschel. Obtained also at Fiji.

OPHIUROIDEA (Lyman, Zool. pt. 14).

*Ophiothrix propinqua*, Lyman (?) (red variety). Obtained also at Fiji and Philippines (?).