

ASTEROIDEA (Sladen, Zool. pt. 51).

STATION 89.

Lonchotaster tartareus, n.g., n.sp. Obtained at no other locality.*Thoracaster cylindratus*, n.g., n.sp. Obtained at no other locality.*Freyella tuberculata*, n.sp. Obtained also at Station 346, 2350 fathoms. Recorded subsequently from Indian Ocean ("Investigator").

COPEPODA (Brady, Zool. pt. 23).

Lernæa abyssicola, n.sp. Parasitic on *Ceratias uranoscopus*.

POLYZOA (Busk, Zool. pt. 30).

Bugula mirabilis, n.sp. Several specimens; obtained at no other locality.*Farciminaria delicatissima*, n.sp. Obtained also at Stations 13, 14, 64, 68, and 106.

FISHES (Günther, Zool. pt. 57).

Ceratias uranoscopus, Murray, n.sp. One specimen; obtained at no other locality. Recorded subsequently from New England (U.S. Fish Commission).

The Station-book records also :—Trunk of Pennatulid, red Holothurian with *Stylifer* in its cloaca, and two specimens of *Scalpellum* on a Polyzoon.

Excluding Protozoa, about 20 specimens of invertebrates and fishes were obtained at this Station, belonging to about 12 species, of which 9 are new to science, including representatives of 3 new genera; 7 of the new species were not obtained elsewhere.

Station 90 (Sounding 154), Madeira to Cape Verde Islands (see Chart 6 and Station 90. Diagram 7).

July 24, 1873; lat. 20° 58' N., long. 22° 57' W.

Temperature of air at noon, 74°·8; mean for the day, 73°·7.

Temperature of water :—

Surface,	74°·0	800 fathoms,	39°·8
100 fathoms,	62·2	900 "	39·1
200 "	56·0	1000 "	38·6
300 "	50·7	1100 "	38·2
400 "	46·7	1200 "	37·8
500 "	44·0	1300 "	37·4
600 "	42·2	1400 "	37·0
700 "	40·8	Bottom,	36·4