

- Leptoclinum speciosum*, var. *asperum*, nov. Several specimens (7 to 20 fathoms); BAHIA.
obtained also at Station 142, 150 fathoms.
- „ *annectens*, n.sp. One specimen (shallow water); obtained at no other
locality.
- Diplosoma macdonaldi*, n.sp. One specimen (shallow water); obtained at no other
locality.

FISHES (Günther, Zool. pt. 6).

- Rhypticus arenatus*, C.V. Obtained at no other locality by the Challenger.
- Hippocampus villosus*, n.sp. (7 to 20 fathoms); obtained at no other locality.

In the foregoing list 127 species are enumerated, of which 57 are new to science, including representatives of 4 new genera; 50 of the new species and 1 new genus were not obtained elsewhere.

Willemoes-Suhm writes, with regard to these dredgings by Thomson and Murray in shallow water off Bahia: "No forms of extraordinary size or development have been found in the bay, but simply those representatives of the marine classes as might be found anywhere in the Atlantic, while it seemed to me that there was not such a great variety as in the West Indies, where the large *Strombus*, Corals, and *Calappa* are so conspicuous. Several species of *Comatula* and Ophiurids seemed to be the commonest Echinoderms, and *Astrophyton* and *Mellita* were associated with them in sandy places. Small cherry-like siliceous Sponges, and other Sponges, were found covered by *Alcyonium* and Polyzoa. One Sipunculid and some large specimens of *Sabella* in soft tubes were taken, and among the Crustacea were several genera of Maiids and Cancerids, an animal allied to *Ranina*, the frog-crab, large Pagurids, *Porcellana*, *Alpheus*, &c. No Brachiopods were found, but many small Gasteropods, as *Turritella*, *Conus*, *Bulla*, and a large dead *Fusus*-like shell. Very fine specimens of a Plumularian, with *Caprella* on the branches, were taken."

The departure from Bahia was somewhat hastened owing to one of the crew, who had YELLOW FEVER. been sleeping on shore, having caught yellow fever, from which he afterwards died. After leaving Bahia the Challenger proceeded to the southward until September 30, without sounding or dredging, as it was desirable to get into cool weather at once to avoid any risk of yellow fever spreading amongst the ship's company.

Station 129 (Sounding 212), Bahia to Tristan da Cunha (see Chart 16 and STATION 129.
Diagram 5).

September 30, 1873; lat. 20° 13' S., long. 35° 19' W.
Temperature of air at noon, 75°·5; mean for the day, 73°·9.