

***Irenothuria maccullochi* sp. nov.**

Pl. 4, figs. 1-4

Diagnosis: As for the genus.

Type: Allan Hancock Foundation.

Type locality: Puerto Utria, Colombia, *Velero III* station 232-34.

Distribution: According to our present knowledge, from Puerto Utria, and Octavia Bay, Colombia; Bahía Honda, Panama; Puerto Culebra, Costa Rica; to Ballenas Bay, Gulf of California.

Depth: Intertidal.

Specimens examined: One specimen from Panama, collected by Th. Mortensen (Copenhagen); five collected by the Hancock expeditions, from five stations.

Remarks: The Hancock material ranges in length from 4 to 20 cm. No striking differences were found between the spicules in these different age groups except that they become slightly larger with advancing age.

Although the species is fairly large and occurs at tide level, it must undoubtedly be rare. Superficially it resembles an unusually dark colored *Brandtothuria impatiens*, and it has probably a very similar mode of life. As far as I can judge from the literature, there is no other species which bears the remotest similarity to this form.

It is a great pleasure to name this unusual form, which occupies a position all by itself, for Dr. Irene McCulloch of the University of Southern California.

PLATE 4

- Figs. 1-2. *Irenothuria maccullochi* Deichmann. Disk of large table and profile of table.
- Figs. 3-4. *Irenothuria maccullochi* Deichmann. Small tables, seen from above.
- Figs. 5-7. *Semperothuria languens* (Selenka). Typical tables, side view.
- Figs. 8-10. *Semperothuria imitans* (Ludwig). Typical tables, side view.
- Figs. 11-12. *Semperothuria imitans* (Ludwig). Top of spire seen from above.

(Magnification: Each division is 1/100 mm)

