

***Labidodemas americanum* sp. nov.**

*Diagnosis:* Ventral feet cylindrical, in double rows; dorsal feet papilliform, in two scattered rows. Spicules delicate tables with four central holes and a circle of marginal holes. Spire low, mostly incomplete or reduced to four knobs. Ventral feet with large end plate and plates with four to five holes, possibly reduced tables. Dorsal papillae with no end plate but the same kind of plates as the ventral feet. Skin soft, golden brown in color to greenish, appendages mostly dark brown.

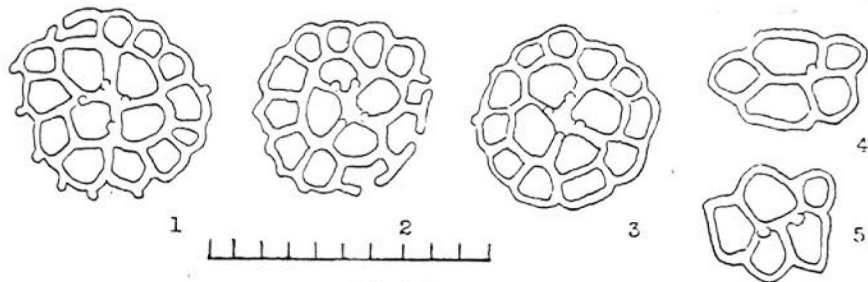
*Type:* M.C.Z.

*Type Locality:* Jasper Island, Costa Rica.

*General Distribution:* Probably widespread in the Panamic region.

*Local Range:* Two contracted specimens from Jasper Island, Gulf of Nicoya, Costa Rica.

*Remarks:* The material has been compared with the type material of *L. semperianum* from Hawaii, (or Society Islands) in the M.C.Z. The latter



Text-figure 1.

*Labidodemas americanum* sp. nov. 1-3, Tables with reduced spire from skin. 4-5, Buttons in wall of feet, probably derived from tables. Scale 1/100 mm.

species has much stouter spicules with long spines on the top of the spire, so it is out of question that the present species is identical with Selenka's species as one would be inclined to expect.

The specimens are small (5-6 cm. long) and not well suited for anatomical studies. The radials are large squarish while the interradials are low; both are thin and delicate in structure. The Polian vesicle is small and ventrally placed; the single stone canal is embedded in the dorsal mesentery, its flattened head projecting free to the right. The intestine is partly torn and filled with coarse coral débris. No traces of gonads are present in the types.