

Subgenus 2. *Amphirrhopella*, Haeckel.

Definition.—Both opposite arms of similar size and form, with terminal spines.

3. *Amphirrhopalum bigeminum*, n. sp.

Both arms equal, in the proximal larger half simple, in the distal smaller half forked; each branch triangular, with a strong conical terminal spine. Axis of the branches straight. (Resembles *Dicranastrum cornutum*, Pl. 45, fig. 2, but without lateral arms.)

Dimensions.—Radius of the arms (without spines) 0.15, basal breadth 0.03; breadth of the bifurcation 0.08.

Habitat.—South Pacific, Station 284, surface.

4. *Amphirrhopalum echinatum*, n. sp. (Pl. 45, fig. 10).

Both arms equal, in the proximal smaller half simple, nearly square, in the distal larger half forked; the branches thorny, armed at the end with numerous spines, one larger on the terminal pole of the concavely curved arm-axis.

Dimensions.—Radius of the arms (without spines) 0.15, basal breadth 0.05; breadth of branches 0.03.

Habitat.—Pacific, central area, Station 266, depth 2750 fathoms.

Subgenus 3. *Amphirrhopoma*, Haeckel.

Definition.—Both opposite arms of different size or form, without terminal spines.

5. *Amphirrhopalum ypsilon*, n. sp.

Both arms very different. Larger arm simple, egg-shaped, twice as long as broad; smaller arm in the basal half simple, nearly square, in the distal half forked; both branches egg-shaped, blunt. (Resembles *Amphicraspedum wyvilleanum*, Pl. 45, fig. 12, but wants the patagium.)

Dimensions.—Radius of the larger simple arm 0.18, breadth 0.09; radius of the smaller forked arm 0.15, breadth of its branches 0.05.

Habitat.—Indian Ocean, Madagascar, Rabbe, surface.

Genus 226. *Amphicraspedum*,¹ Haeckel, 1881, Prodrömus, p. 460.

Definition.—Porodiscida with two chambered arms, opposite in one axis, connected by a lateral patagium; one arm or both forked at the distal end.

The genus *Amphicraspedum* exhibits the same bifurcation of the arms as does *Amphirrhopalum*, but differs from this ancestral form in the development of a patagium, an external connecticulum between the arms, which envelops the disk totally or partially.

¹ *Amphicraspedum* = Shell with borders on both sides; ἀμφί, περίσπιδον.