

17. *Amphilonche acufera*, n. sp.

Two principal spines thick, four-sided prismatic in the basal half, cylindrical or spindle-shaped in the distal half, with simple conical apex. Eighteen smaller spines shorter, thin, bristle-shaped or conical on the base. All twenty spines in the centre perfectly grown together, forming a single piece of acanthin. (Derived from *Amphilonche elongata* by central concrescence.)

Dimensions.—Length of the two major spines 0·3 to 0·5, breadth 0·01 to 0·03; length of the eighteen minor spines 0·08 to 0·2.

Habitat.—Central Pacific, Stations 266 to 274, surface.

Genus 342. *Amphibelone*,¹ Haeckel, 1862, Monogr. d. Radiol., p. 392.

Definition.—Amphilonchida with two unequal principal spines (the frontal spine very different from the caudal spine); the eighteen smaller spines nearly equal.

The genus *Amphibelone* exhibits among the Amphilonchida the same remarkable differentiation of the two principal or longitudinal spines, as *Zygostaurus* among the Quadrilonchida; the frontal spine differs commonly from the caudal spine not only in its size, but also in its peculiar form; commonly one pole of the longitudinal axis is much more strongly developed than the other. The eighteen smaller spines are nearly equal.

Subgenus 1. *Amphibelonium*, Haeckel.

Definition.—All twenty spines separate, but in contact in the centre and resting one against another by the triangular sides of their pyramidal bases, without a prominent basal leaf-cross.

1. *Amphibelone aciculata*, n. sp.

Two principal spines thick, without edges and wings, the frontal spine short, spindle-shaped, the caudal three to six times as long, cylindrical, both of equal breadth, with simple conical apex and simple pyramidal base, without leaf-cross. Eighteen smaller spines very thin, bristle-shaped, of the same length as the frontal spine. Central capsule cylindrical or spindle-shaped, enveloping the two principal spines nearly throughout their whole length.

Dimensions.—Length of the frontal spine 0·2 to 0·4, of the caudal spine 1·0 to 2·0; breadth of both 0·01; length of the eighteen smaller spines 0·1 to 0·3.

Habitat.—South Atlantic, Station 325, surface.

¹ *Amphibelone* = With two opposed needles; ἀμφί, βελόνη.