

*Dimensions*.—Length of the spines 0·3 to 0·4, greatest breadth 0·015; length of the apophyses 0·03 to 0·05.

*Habitat*.—Central Pacific, Station 270, surface.

6. *Xiphacantha ancorata*, n. sp.

Spines slender, four-sided prismatic, gradually thickened from the narrow base towards the short, simple, pyramidal apex. Base with large wing-cross. Four apophyses on the distal end, immediately below the pyramidal apex, falcated, strongly recurved, like an anchor with four strong teeth.

*Dimensions*.—Length of the spines 0·4 to 0·5, basal breadth 0·005, distal breadth 0·015; length of the apophyses 0·04.

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

Subgenus 2. *Xiphacanthidium*, Haeckel.

*Definition*.—Apophyses of the radial spines broad, compressed, wing-shaped, formed like a large thin plate. Edges of the spines commonly broad, strongly prominent.

7. *Xiphacantha stauroptera*, n. sp.

Spines four-winged, from the middle part little thinner towards both ends. Apex simple pyramidal. Base with small wing-cross. Four apophyses wing-shaped, isosceles triangular or truncated quadrangular; their base is about half as broad as their length, and occupies in the basal half of each spine about one-sixth to one-eighth of its length.

*Dimensions*.—Length of the spines 0·1 to 0·15; greatest breadth (diagonal of the cross of the apophyses) 0·006 to 0·009.

*Habitat*.—South Atlantic, Station 332, surface.

8. *Xiphacantha trigonoptera*, n. sp.

Spines four-winged, tapering rapidly from the broad middle part towards both ends. Apex simple pyramidal. Base with a small wing-cross. Four apophyses equilateral triangular; their base occupies the middle of each spine, extending to about one-fifth of its length.

*Dimensions*.—Length of the spines 0·15 to 0·2, greatest breadth (diagonal of the cross of the apophyses) 0·06 to 0·08.

*Habitat*.—Central Pacific, Station 272, surface.

9. *Xiphacantha macroptera*, n. sp.

Spines four-winged, from the broad middle part gradually thinner towards both ends. Apex simple pyramidal. Base with small wing-cross. Four apophyses wing-shaped, very long and broad,