

2. *Archicircus monostephus*, n. sp. (Pl. 83, fig. 17).

Gate circular. Ring circular, with three elegantly denticulate edges (one outer median and two lateral edges). Transverse section of the ring triangular.

*Dimensions*.—Diameter of the gate 0.06 to 0.08; thickness of the ring 0.01 to 0.008.

*Habitat*.—Central Pacific, Station 274, depth 2750 fathoms.

3. *Archicircus ellipsis*, n. sp.

Gate elliptical. Ring elliptical, on the inner margin smooth, on the outer margin with fifteen to twenty equal, short, simple, or slightly forked thorns. Transverse section ovate.

*Dimensions*.—Diameter of the gate 0.05 to 0.09; thickness of the ring 0.01 to 0.014.

*Habitat*.—Western Tropical Pacific, Station 225, depth 4475 fathoms; also fossil in Barbados.

4. *Archicircus ovalis*, n. sp.

Gate ovate. Ring elliptical, smooth, with three prominent, slightly distorted edges, without thorns; in the transverse section triangular.

*Dimensions*.—Diameter of the gate 0.08 to 0.12; thickness of the ring 0.006 to 0.009.

*Habitat*.—Tropical Atlantic, Station 347, depth 2250 fathoms.

5. *Archicircus monopylus*, n. sp.

Gate ovate. Ring ovate, thorny, with three distorted edges, in the transverse section triangular; surface covered with numerous simple small thorns arising from the three edges.

*Dimensions*.—Diameter of the gate 0.1 to 0.15; thickness of the ring 0.01 to 0.012.

*Habitat*.—Indian Ocean (Madagascar), Rabbe, surface.

Subgenus 2. *Archistephus*, Haeckel.

*Definition*.—Ring polygonal, with four to six or more prominent corners (and commonly with simple spines arising from the corners).

6. *Archicircus quadratus*, n. sp.

Gate square. Ring square, with three edges and four short simple pyramidal spines on the four corners, opposite in pairs in two perpendicular diameters. Transverse section triangular.

*Dimensions*.—Diameter of the gate 0.08; thickness of the ring 0.008.

*Habitat*.—Central Pacific, Station 265, depth 2900 fathoms.