

Thyone gemmata (*Colochirus*), Pourtalès, 1851; Ayres, 1854; Semper, 1868. *Thyonidium gemmatum*, Selenka, 1867. *Thyonella gemmata*, Verrill, 1872. (?) *Thyonella* sp., Rathbun, 1879.

Deposits—oval button-like plates with undulated margins, uneven surfaces, and about four holes; and reticulate cups with the often incomplete margin spinous or uneven. Pedicels in five distinct longitudinal series, and scattered over the interjacent areas.

Habitat.—Sullivan's Island (Portalès), North Carolina (Verrill), South Carolina (Ayres, Selenka), Fort Macon (Coues and Yarrow), Florida Reef (Portalès) (?) Bahia (Rathbun).

According to Ayres, the radial pieces of the calcareous ring are prolonged posteriorly into two slender branches. Judging from the figure given by Selenka, they are only slightly excavated posteriorly.

II. Calcareous ring of ten simple pieces, the radial with a bifurcate prolongation posteriorly.

Thyone ovulum (*Stolus*), Selenka, 1867; Semper, 1868.

Excepting terminal plates in the pedicels, no deposits. Pedicels very numerous.

Habitat.—Acapulco (Selenka).

Thyone mirabilis, Ludwig, 1875.

Deposits—scattered tables, composed of a roundish perforated disk and a spire of two anastomosing rods. Body slightly quadrangular, with a row of small warts along the dorsal ambulacra. Ventral pedicels much more numerous than the dorsal.

Habitat.—Bowen (Ludwig), Port Denison (Bell).

III. Calcareous ring of ten pieces, each composed of a great number of small parts; posteriorly it carries five bifurcate prolongations.

Thyone sacella (*Stolus*), Selenka, 1867; Semper, 1868; von Marenzeller, 1881. *Thyone rigida*, Semper, 1868.

Deposits—Numerous, somewhat irregularly formed bodies, consisting of a plate with four holes and a smaller bow vertically disposed on each side, thus presenting the view of two rings placed vertically to one another; the larger plate or ring has the undulating rim provided with low elevations.

Habitat.—Bohol (Semper), Japan (von Marenzeller), Torres Strait (Bell), Aden (Semper), Zanzibar (Selenka), Mozambique (Semper).