

*Colochirus doliolum* (*Actinia*), Pallas, 1766; von Marenzeller, 1874. *Holothuria doliolum*, Lamarck, 1816 (*partim*). *Pentactes doliolum*, Jæger, 1833 (*partim*). *Cladodactyla doliolum*, Brandt, 1835.

*Habitat*.—Cape of Good Hope (Pallas).

Genus 5. *Actinocucumis*, Ludwig, 1875.

Tentacles eighteen to twenty, unequal and irregularly disposed, two ventral being always smallest. Ambulacral appendages—pedicels and papillæ; the former arranged in several (four to six) rows along each ambulacrum; the latter, very small, scattered on the dorsal interambulacra and also among the pedicels on the dorsal ambulacra.

*Actinocucumis typica*, Ludwig, 1875.

Deposits—very numerous, small, perforated acorn-shaped bodies. Calcareous ring composed of ten simple pieces without posterior prolongations.

*Habitat*.—Bowen (Ludwig), Amoy (Ludwig).

*Actinocucumis difficilis*, Bell, 1884.

*Habitat*.—Albany Island, Torres Strait, Kurrachee (Bell).

Bell says:—"I have had the greatest difficulty in assuring myself of the specific distinctness of this form from the *Actinocucumis typica* of Ludwig." So far as I can judge, there exist no other differences between these two forms than in the shape of the deposits, these being in the species of Bell more simple, 8-like, with two holes and some knobs. Considering that even such deposits are not rare in the species of Ludwig, I am much inclined to refer them to one and the same species. Bell does not describe the calcareous ring.

Genus 6. *Pseudocucumis*, Ludwig, 1875.

Tentacles twenty, ten larger and ten smaller, alternating two and two; some of the smaller tentacles forming an inner crown. Ambulacral appendages in the shape of pedicels, arranged in rows along the ambulacra. Interambulacra naked. Calcareous ring composed of ten simple pieces without posterior prolongations.

*Pseudocucumis acicula* (*Cucumaria*), Semper, 1868; Ludwig, 1875; Schmeltz, 1879.

Ventral ambulacra with three or four rows of pedicels, dorsal with only one or two. Deposits—peculiarly shaped needles, with holes at the obtusely rounded base.