

Genus 12. *Orcula*, Troschel, 1846.

Tentacles fifteen, five smaller alternating with ten larger. Ambulacral appendages in the shape of pedicels distributed over the ambulacra as well as interambulacra; an arrangement of them in rows seldom discernible on the ambulacra.

1. *Deposits in the body-wall itself absent.*

*Orcula barthii*, Troschel, 1846; Lutken, 1857; Duncan and Sladen, 1881.

Pedicels irregularly scattered. Calcareous ring of ten simple pieces, all bifurcate posteriorly, the radial terminating anteriorly in two points, the narrow interradial in one.

*Habitat*.—Greenland (Lütken, Norman, Duncan and Sladen), Labrador (Troschel) Sea of Kara (Stuxberg), (?) Spitzbergen (Ljungman).

*Orcula limaconotus* (*Cladolabes*), Brandt, 1835; Ludwig, 1881.

*Habitat*.—Boninsima (Brandt).

From the researches hitherto made, it is impossible to state whether this species is distinct from the preceding or not. The statement that *Orcula limaconotus* has several, up to nine, Polian vesicles, while *Orcula barthii* has only a single one, seems to be of little or no importance.

2. *Deposits in the body-wall itself present.*

*Orcula tenera*, Ludwig, 1875.

Pedicels irregularly scattered. Calcareous ring of ten simple pieces, "all" with two posterior slender prolongations composed of several separate pieces or joints. Deposits—very few tables and minute grains, the former composed of a roundish perforated disk and a spire built up of four (?) rods and one transverse beam.

*Habitat*.—Upolu in Navigator Islands (Ludwig).

*Orcula hypsipyrge*, von Marenzeller, 1881.

Pedicels irregularly scattered. Calcareous ring of ten simple pieces, the radial alone with two long slender posterior prolongations composed of several separate pieces or joints. The ends of these prolongations are united with those of the adjacent radial pieces. Deposits—tables consisting of a roundish disk with numerous holes, and a central spire built up of four to six rods and several transverse beams; the spire terminates in several spines.

*Habitat*.—Japan or China (von Marenzeller).