

white colour, possibly a result of the alcohol, with dark tentacles, and has only one Polian vesicle (madreporic canals unknown); *Thyone sacellus* is of a dark brown colour, has four Polian vesicles and twelve to twenty madreporic canals.

*Stereoderma validum*, Bell, 1884.

*Habitat*.—Port Jackson, North Dunbar Island, China Sea (Bell), between Ball's Head and Goat Island, Brisbane Water (Bell).

So far as I can find out from the description of Bell, this form cannot be anything else than a *Colochirus spinosus*, Quoy and Gaimard. Evidence of the correctness of this view is to be found in the form of the body, the presence of the characteristic conical denticulate prominences on each side of the ventral surface, the calcareous ring and even the general appearance of the calcareous deposits, though it may be observed that Bell does not mention anything about the presence of reticulate scales in the forms examined by him. Thus, if I am right in my supposition, *Stereoderma murrayi* is a *Thyone sacella* and *Stereoderma validum* a *Colochirus spinosus*. Finally, I feel convinced that further examinations will prove that *Stereoderma unisemita* may be referred to some already well-known genus, for instance *Thyone*.

Genus 11. *Thyonidium*, Düben and Koren, 1844.

Tentacles twenty, exceptionally fewer or more; five pairs of larger alternating with five pairs of smaller. Ambulacral appendages in the shape of pedicels, sometimes densely crowded, sometimes more thinly scattered; often an arrangement of them in rows distinguishable along the ambulacra.

I. Deposits of the body-wall itself, none, or present in the form of tables or plates in the neck portion alone.

*Thyonidium drummondii* (*Holothuria*), Thompson, 1840; Sars, 1861. *Cucumaria drummondii*, Forbes, 1841. *Cucumaria communis*, Forbes, 1841. (?) *Thyone portlockii*, Forbes, 1841. *Thyonidium commune*, Düben and Koren, 1844. *Holothuria fusus*, CErsted, 1833 (according to Düben and Koren). *Thyonidium dübeni*, Norman, 1868.

*Habitat*.—Scandinavian coasts from the Sound to Lofoten (Sars, M'Andrew and Barrett, Danielssen, Düben and Koren, Lütken), British Islands (Thompson, Hodge, M'Intosh, Forbes, Norman).

(Mus. Holm.) Several specimens from the west coast of Sweden and Norway. So far as I can see, this species must be nearly allied to *Thyonidium pellucidum*,