

test is white with pink tubercles; the integument a pale brownish yellow. The spines on the upper portion are reddish purple with white tips; on the lower portion they are white, getting yellow towards the base.

Diameter 2 inches. Height 1.4 inches.

*Echinocardium australe.*

A specimen of this species, presented to the Museum by G. Joachim, Esq., from Northport, Chalky Inlet, measures  $2\frac{1}{2}$  inches in length.

*Molpadia coriacea*, Hutton.

This is evidently not a true *Molpadia*. It is probably a *Caudina* or an *Echinosama*, but as the type is in the Wellington Museum, I cannot re-examine it.

*Cucumaria thomsoni*, sp. nov.

Body fusiform, scarcely subpentagonal. Skin rough, wrinkled. Ambulacra with the tubercles densely crowded in about 5 or 6 rows. No feet on the interambulacral areas. Tentacles—?

Rich brown, the white tips to the feet giving the ambulacral areas a spotted appearance. Length,  $1\frac{3}{4}$  inches.

Stewart Island. Presented to the Museum by G. M. Thomson, Esq., after whom I name it. A single specimen in spirit.

*Echinocucumis alba*, Hutton.

The receipt of another specimen of the *Chirodota* (?) *alba* of my catalogue has enabled me to dissect it, and I find that it has five well-marked ambulacra, and should be placed in the genus *Echinocucumis*.

*Labidodesmus turbinatus*, sp. nov.

Body rounded, suddenly contracted posteriorly into a short-pointed tail, and anteriorly into a rather long cylindrical neck; skin smooth, slightly transversely wrinkled; the two dorsal ambulacra, with two rows each of rather distant feet; the three ventral ambulacra either like the dorsal or with more crowded feet in several rows. Tentacles—. Body white, covered with a brown epidermis, which easily peels off, except round the ambulacral feet. Length,  $2\frac{1}{2}$  or 3 inches.

Stewart Island. Presented to the Museum by G. M. Thomson, Esq. Two specimens in spirits.

PENTADACTYLA, gen. nov.

Feet evenly spread over the greater part of the body. Tentacles five, pedunculated, frondose; dental apparatus very large.

*Pentadactyla longidentis*, Hutton.

In the Catalogue of the Echinodermata of New Zealand (1872), p. 16, I described a Holothurian under the name of *Thyone longidentis*. It is, how-