

ART. XXXIX.—*Description of two new Species of Aplysia.*

By Captain F. W. HUTTON, C.M.Z.S.

Plate XXI.

[*Read before the Otago Institute, 14th September, 1874.*]*Aplysia brunnea*, sp. nov.

ANIMAL of a uniform rich dark brown, about 4 inches in length. *Shell* horny, ear-shaped, firm, the whole shell very finely concentrically striated; epidermis pale brown.

Length, .9 in.; breath, .7 in.

Habitat—Wellington and Dunedin.

The shell somewhat resembles that of *A. excavata*, Sow., from Port Jackson, but it is not square at the end.

Aplysia venosa, sp. nov.

Animal yellowish-brown, veined with dark brown, about 6 inches in length. *Shell* membranous; the apex rather coarsely concentrically striated, the rest of the shell smooth and polished; epidermis pale straw colour.

Length, 1.25; breadth, 1 inch.

Habitat—Wellington.ART. XL.—*Description of two new Species of Crustacea from New Zealand.*

By Captain F. W. HUTTON, C.M.Z.S.

[*Read before the Otago Institute, 12th October, 1874.*]

SESARMA PENTAGONA.

CARAPACE subquadrate, smooth, broader than long; anterior lateral margin with two teeth; front nearly vertical with four rounded projections; lateral regions obliquely striated; a pentagonal mark in the centre, the apex prolonged to the front, which it divides. Area on each side of the mouth below with moniliform transverse striæ. Arms trigonal, striated on the outside; hands smooth outside, and with a few scattered granules inside; fingers smooth. Legs with the third joint very broad, compressed, acute above, and armed with a single tooth at the apex, smooth; outer joints and claws tomentose.

Length, .67 inch; ratio of length to breadth, 1/1.27.

A single specimen in the Colonial Museum, Wellington.

Locality not stated.

PALINURUS EDWARDSII.

Male.—Carapace beaked, armed with spines and large oval depressed tubercles separated by rows of short hairs. Beak small, compressed, curved