

THE
JOURNAL
OF THE
MICROSCOPICAL SOCIETY
OF
VICTORIA.

VOL. I-II.

51879

Melbourne.

PUBLISHED FOR THE SOCIETY BY STILLWELL AND CO.,
87 COLLINS STREET EAST.

A New Species of Polyzoa. By CHAS. M. MAPLESTONE.

[With Plate.]

[Read 29th May, 1879.]

I wish to bring under the notice of the Society a new species of cheilostomatous polyzoa, which presents peculiar features.

BICELLARIA ANNULATA *n. s.* plate III., figs. 1, 2, 3, 4.

Cells elongated, contracted in front below; aperture oval; four to five marginal incurved spines on outside edge; one spine on summit of aperture extending behind superior cell; one spine on lower portion of aperture extending inward underneath marginal spines; back of cell with a bifurcate elevation; cells growing on a corneous, tubular, spindle-shaped growth, with annulated branches bearing cells.

The drawing sent with this shows at fig. 1 the shape of the cells, some of the spines being left out, with the arrangement of the spines as seen from the front. Fig. 2 shows back view of cells, with the upper spine growing up behind the superior cell. It will be seen that the cells from the back view show that they are adnate, not free, as is usual. Fig. 3 shows the spindle shaped main stem, and the annulated branches springing from it. Fig. 4 shows the natural size.

The great peculiarity of this species is the structure upon which the cells grow; and from the ringed appearance of the individual spindles and the more strongly annulated branches I have derived the specific designation. In fact, I almost think a new genus is requisite for its reception. It is rare at Portland. I have a portion of a tuft about three inches high.

On a New Species of Polyzoa. By J. R. Y. GOLDSTEIN.

[With Plate.]

[Read 29th May, 1879.]

The new species of polyzoa herein described belongs to the second order GYMNOLEMATA of *Allman*, sub-order 3, *Glenostomata*, family 1, *Seriularidae*, and was first found by me at Portland in 1864. It was not until 1874 that I figured and described it in MS., and would have sent the paper to this Society but was prevented by illness. Being the first new species I had found, gratitude for much valuable aid

Plate III.



Fig. 1 × 25



Fig. 2 × 25



Fig. 4 nat. size



Fig. 3 × 8.

Bicellaria annulata

Chas. McPherson Del.



Fig. 5 × 8.

Serralaria Woodsii

J. R. Y. Goldstein Del.

Hamel & Ferguson Lith.