

STUDIES ON AUSTRALIAN BRYOZOA.

No. 4.

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THIS NUMBER CONTAINS NOTES ON SEVERAL SPECIES THAT REQUIRE FURTHER STUDY, AND A DESCRIPTION OF TWO NEW SPECIES.

(Plates xi-xiii.)

LEPRALIA MUCRONATA *Smitt* VAR. CELLEPOROIDES *Busk*.

(Pl. xii, figs. 5-6.)

Escharipora mucronata Smitt, Sv. Vet.-Ak. Handl. n.s., xi, 1872, p. 24, pl. v, figs. 113-115 (typical form).

Lepralia celleporoides Busk, "Chall.," Zool., x, pt. xxx, 1884, p. 142, pl. xvii, fig. 4.

Lepralia mucronata var. *unipora* Waters, Bry. Supplement, "Chall.," Zool., xxxl, pt. lxxix, 1888, p. 26.

? *Lepralia mucronata* Kirkpatrick (non Smitt), Sci. Proc. Roy. Dub. Soc., vi, n.s., 1890, p. 612.

The characters of this variety are set out by Busk (*loc. cit.*).

Remarks.—After Busk described *Lepralia celleporoides*, Waters (*loc. cit.* 1888) considered it in his list of references a synonym of Smitt's *Lepralia mucronata*, a view that I cannot follow for reasons set out herein. In the first place we read in Waters' text that the series (his Tertiary specimens of *Mucronella mucronata* and Busk's *celleporoides*) should perhaps be divided into varieties; this alone indicates doubt in the author's mind how the forms should be dealt with. Acting upon the suggestion, however, together with other data, I separate *celleporoides* of Busk from Smitt's typical *L. mucronata* as a variety and in doing so cannot accept the varietal name *unipora* suggested by Waters, because the name *celleporoides* takes priority.

Specimens in the Australian Museum collection from Nichol Bay, Western Australia, agree in every detail with Busk's description and figures of specimens from off Cape York, north Australia. Because the same form, showing the same characters, has been found in two different localities we have another reason for acting upon Waters' suggestion of separation.

Miss Jelly in her "Synonymic Catalogue," page 129, evidently follows Waters on the above question, for she merely quotes that author's synonymy.

MacGillivray¹ maintains that Waters' "*Mucronella*" *mucronata*

¹MacGillivray—Trans. Roy. Soc. Vict., iv, 1895, p. 62.