

vivens, filiformis, monosiphonius, septatus (raré articulatus), ramosus ; stichidia, tetrasporangia cruciatis tetrasporis præbita, gerens.

Color, fere sine dubio, aurantiacus (sensu Saccardoi).

R. cor-margaritæ,* n. sp., Diagnosis ut genus.

A fully illustrated account of the very remarkable life-history of *Astrosclera-Rhododiplobia* will shortly be published, which, I trust, will furnish clear proof as to the accuracy of the statements here made. The two organisms have become, in all reasonable probability, indispensable to each other and inseparable. The sponge embryos, before they have left the parent, are associated with plants bearing carpogonia antheridia or stichidia, and even the youngest sponges, barely visible to the naked eye, have solid well-built skeletal walls composed of aragonite spherules each with an algal spore in its centre. I consider that the association has become one of true symbiosis, and is not merely an instance of parasitism of the alga on the sponge, or *vice versa*.

* *Cor*, heart ; *margarita*, pearl.

ERRATUM.

Page 141, lines 4 and 6 (from bottom), and p. 142, 2nd column of table, *for* postometer *read* potometer.
