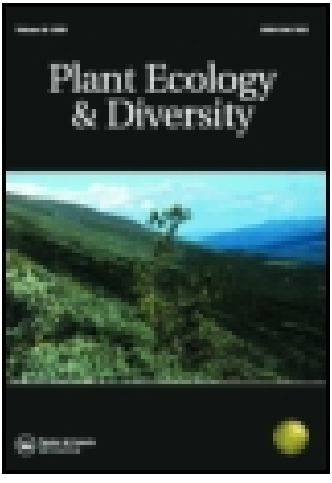
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II. On the Fructification of Griffithsia corallina, with a Notice of the other Alæ found in Shetland, not mentioned in Edmonston's Flora

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I. *On the Formation of a Museum of Vegetable Materia Medica.* By WILLIAM CRAIG, M.B. and C.M.

The author referred particularly to the formation of a complete Materia Medica Museum for the use of students. While admitting the great value of the Materia Medica collection in the University, which was now regularly consulted by students, and also the importance of the Herbarium of Medicinal and Economical Plants at the Royal Botanic Garden, which was open to the public, he thought that it would be well if the Society would assist in forming a museum to illustrate completely the British Pharmacopœia, by means of herbarium and laboratory specimens. In conclusion, he gave some illustrations of the mode in which such a museum might be formed.

II. *On the Fructification of* Griffithsia corallina, *with a Notice of the other Algæ found in Shetland, not mentioned in Edmonston's Flora.* By C. W. PEACH, A.L.S.

The author stated, that when dredging with Mr J. Gwyn Jeffreys, in 1864, off the Shetland Islands, he noticed, in a collection of Algæ made by one of Mr Jeffreys' daughters, at the West Voe Out-Skerries, some fine specimens of *Griffithsia corallina* in fruit, and as Miss Jeffreys kindly supplied him with as many specimens as he required, and as they were quite fresh, he placed some in sea-water under the microscope. On examining the whorls of tetraspores, he observed a circular opening at the lower part of the joint immediately over these masses. The edge of the opening was quite smooth, not in the least ragged as if ruptured; this opening he found constant over all the whorls of tetraspores he examined. He also noticed that the granular matter in the joints escaped through these openings on the whorls of tetraspores; and although these latter retained all their brilliant colour, the joints became literally colourless. He also found favellæ on some of the specimens, but not both kinds on the same fronds. He had not time to examine the favellæ carefully. He observed another thing on some of the specimens, of which he finds no mention in any of Harvey's works. On the

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lower part of the main stems were lateral pointed branches of some length—not jointed. The centres were filled with a dark pigment, which continued into the pulp mass in the main stem; they were placed one on each joint alternately. He further stated, that although he kept a good look out for algæ when dredging in deep water, three species only were got—*Desmarestia viridis*, a Polysiphonia, and a Nitophyllum; these were got in the Inner Haaf, at a depth of 40 fathoms. They were very fresh, retained all their brilliant colours, but not attached to anything. He took them from amongst the contents of the dredge. After expressing regret for the early death of Mr Edmonston, he spoke highly of his labours, and then stated that, as the object of the dredging was connected with the fauna, the flora was neglected, except by Miss Jeffreys, and he regretted he could not give a list of the algæ collected by her; and added that he gathered only fourteen species, out of which, probably, nine are additions to Mr Edmonston's list. Three of the others were got in new localities. He further stated that any one giving time and attention would no doubt reap a rich harvest in Shetland, the opportunities of getting from island to island being so much greater now, as there is a steamer trading amongst them from Lerwick weekly. Sketches of portions of the Griffithsia, with the openings in the joint and tetraspores, and of portions with the lateral appendages, as well as specimens of all the algæ collected, were exhibited.

III. *On Two New British Hepaticæ.* By Benjamin Carrington, M.D.

Nardia sphacelata (Gies.) Carr.—Primary shoots creeping, stoloniferous, branches erect, flexuose, leaves remote, vertically patent, obcordate, sub-complicate, erect and sheathing at the base, apex emarginate, lobes patent, obtuse, incurved, sinus acute.

Jung. sphacelata (Gieseke. Lind. Syn. Hep. p. 76, t. i. fig. 13); *Sarcoscyphus sphacelatus*, Nees ab E.; *Marsupia sphacelata*, Dum. Syll.

Collected by Mr G. E. Hunt of Manchester, at Loch Kandor, and Ben Mac Dhui, July 1868.

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