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Publisher: Taylor & Francis
Informa Ltd Registered in England and Wales Registered Number:
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London W1T 3JH, UK

Transactions of the Botanical Society of Edinburgh

Publication details, including instructions for authors and subscription information:

<http://www.tandfonline.com/loi/tped18>

III. Notice of Localities for some of the rarer Plants collected during the recent Excursions of the Botanical Class around Edinburgh

Professor Balfour

Published online: 01 Dec 2010.

To cite this article: Professor Balfour (1858) III. Notice of Localities for some of the rarer Plants collected during the recent Excursions of the Botanical Class around Edinburgh, Transactions of the Botanical Society of Edinburgh, 5:1-4, 212-212, DOI: [10.1080/03746605809467667](https://doi.org/10.1080/03746605809467667)

To link to this article: <http://dx.doi.org/10.1080/03746605809467667>

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Castrensis is very abundant on mossy boulders, in damp shady places in the same wood ; and *Parmelia sinuosa* occurs sparingly on the exposed rocks at the top of the wood ; while *Neckera pumila* spreads in large patches over the oak and beech trees, amid dark masses of *Jungermannia tamariscifolia*. Upon the whole, I may safely say, there are few districts in Scotland richer in rare and interesting cryptogamic plants.

II. *On the Occurrence of Pertusaria Hutchinsiae and other rare Lichens, on the Breadalbane Mountains.*

By ALEXANDER C. MAINGAY.

III. *Notice of Localities for some of the rarer Plants collected during the recent Excursions of the Botanical Class around Edinburgh.* By PROFESSOR BALFOUR.

Draba muralis, rocks at Corra Linn, Lanarkshire (Mr M'Taggart Cowan). *Poterium Sanguisorba*, Eildon Hill (Mr Gorrie). *Carum Carui*, near Cleghorn Junction, and about two miles from Burntisland inland road. *Carex limosa*, near Melrose (Mr T. Ainslie). *Ophioglossum vulgatum*, near Ford (Mr Gorrie).

IV. *Remarks on Certain Glandular Structures in Plants.*

By GEORGE LAWSON, Ph.D.

The author of this paper, after briefly alluding to Meyen's researches on vegetable secretion, stated that the advancement of our knowledge of this subject had not kept pace with other branches of vegetable physiology, for it was very much in the same position as Meyen left it twenty years ago. He then referred to Dr Carpenter's views as expressed in the new edition of his *Principles of Comparative Physiology*, and especially called attention to the following statement of that author : " Besides that separation of effete matters (in animals) from the blood, for the purpose of maintaining its purity, which is usually distinguished as excretion, we find that certain products are elaborated from it for special purposes in the economy ; and it is to the process by which this is accomplished that the term secretion, in its more restricted sense, is applicable. But even this has scarcely any parallel in the vegetable kingdom. For although there is a large class of substances which are com-