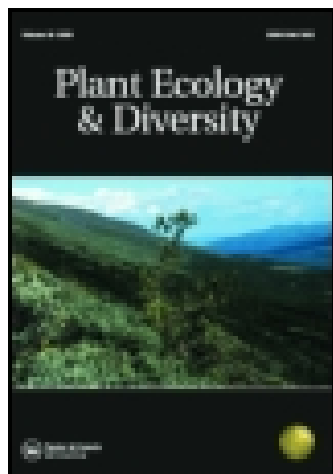


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List of New and Rare Plants presented to the Herbarium of the Royal Botanic Garden

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DESCRIPTION OF PLATE III.

- Fig. 1. *a*, thin-walled cells, acting instead of a nectary; *b*, hairs of middle yellow spot.
- Fig. 2. Epidermis of labellum near apex, showing the pits. The dotted lines show position of down-directed hairs.
- Fig. 3. Stellate tissue of labellum.
- Fig. 4. Upper part of column in newly-expanded flower.
- Fig. 5. Flower after fertilisation: p^1 , outer, p^2 , inner, whorl of perianth; *l*, labellum.
- Fig. 6. Upper part of column, showing changes after fertilisation: *a*, anther case; *st.f*, fertile stamen; *st*, the staminodes; *v*, viscid matter; *p*, second pollen mass; *c*, column.
- Fig. 7. Section of flower, lettering as in fig. 5: *a*, anther case; *v*, viscid matter; *s*, stigmatic surface; *st*, staminode; *c*, column.
- Fig. 8. Labellum, from behind: *y.sp*, yellow spots.
- Fig. 9. Labellum, viewed sideways.

List of New and Rare Plants presented to the Herbarium of the Royal Botanic Garden. By ARTHUR BENNETT, F.L.S., Croydon, and SYMINGTON GRIEVE, Edinburgh. Communicated by S. GRIEVE.

(Read 10th March 1887.)

The following plants have all been examined and named by Mr Arthur Bennett, and as they are of considerable interest, are worthy of preservation in the Herbarium at the Royal Botanic Garden:—

Potamogeton praelongus, Wulf., from the island of Rum, has only been previously recorded from Kirkcudbright, in the south-west, and not hitherto in any of the western counties of Scotland. It is common on the east coast.

Carex flava, var. *gauda* of Gay, from the island of Rum. If this plant is correctly named, this is the first record of it in Scotland. It has only previously been once recorded in Britain, having been collected on Snowdon many years ago. The specimen now exhibited has been compared with the Snowdon specimens preserved in Kew, and while Mr Bennett has little doubt as to its being the same plant, he cannot be perfectly certain, as the fruit is immature. In any case it is a remarkable form of *Carex flava*. Gathered by S. Grieve July 1884.

Cerastium arcticum, Lange, var. *Edmonstonii*, Beeby, grows on Serpentine Hills, Unst, Shetland.

Alsine hirta, var. *foliosa*, Hartm., from Serpentine Hills, Unst.

Luzula maxima, DC., var. *gracilis*, Rostrup, gathered by Mr W. H. Beeby on Saxa Vord Hill, Unst, on 28th July 1886. Appears to be new to Britain.

Psamma baltica, R. & S. The specimen now before you is from Caistor in East Norfolk, which is the second recorded locality for this plant in Britain, and a new station.

Festuca sciuroides, var. *intermedia*, Hächel med., from Mitcham Common, Surrey. Mr Bennett remarks, "a new variety, which appears to be a connecting form between *Festuca sciuroides* and *F. myurus*, L."

List of Hepatics and Mosses collected in the Island of Rum, Hebrides, during July 1884. By SYMINGTON GRIEVE.
(Named according to the London Catalogue.)

(Read 13th January 1887.)

The Hepatics and Mosses of which the following is a list were collected at the island of Rum during a short stay I made there early in July 1884. The special object of my visit was to note the phanerogamic flora, but after I had to some extent accomplished the more important part of that work, I was able to pay some attention to the Cryptogams.

As you are all aware, to collect mosses in the month of July made it certain that I would get comparatively poor specimens quite unfit for preservation. However, I felt that if I could get enough of each moss to have it identified, I would be always doing a little towards recording the flora of Rum. Most of the specimens are really so poor, that they are exceedingly difficult to determine. I identified as many as possible myself, but fully half of those now named wanted identification when, a few months since, Mr E. M. Holmes, of the Museum of the Pharmaceutical Society of London, very kindly offered me his aid, and through his efforts the list has now reached its present dimensions. In addition to a number of the mosses, Mr Holmes has named all the Hepatics. Several uncertain mosses were submitted to Dr