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FIS Moray

COLLECTANEA

FOR A

FLORA OF MORAY;

OR,

A LIST

OF THE

PHÆNOGAMOUS PLANTS AND FERNS

HITHERTO FOUND

WITHIN THE

PROVINCE.

by Gordon

ELGIN:

PRINTED BY MCK. RUSSELL, COURANT OFFICE.

1839.

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Edin. 21 March 1857. This Book
was written by the Rev. Dr. George
Gordon of Birnie, & was
printed for private circulation
among Dr Gordon's friends.

A. M. & J. Kirkrell.

See Briefe
of the

Murray. T.S.

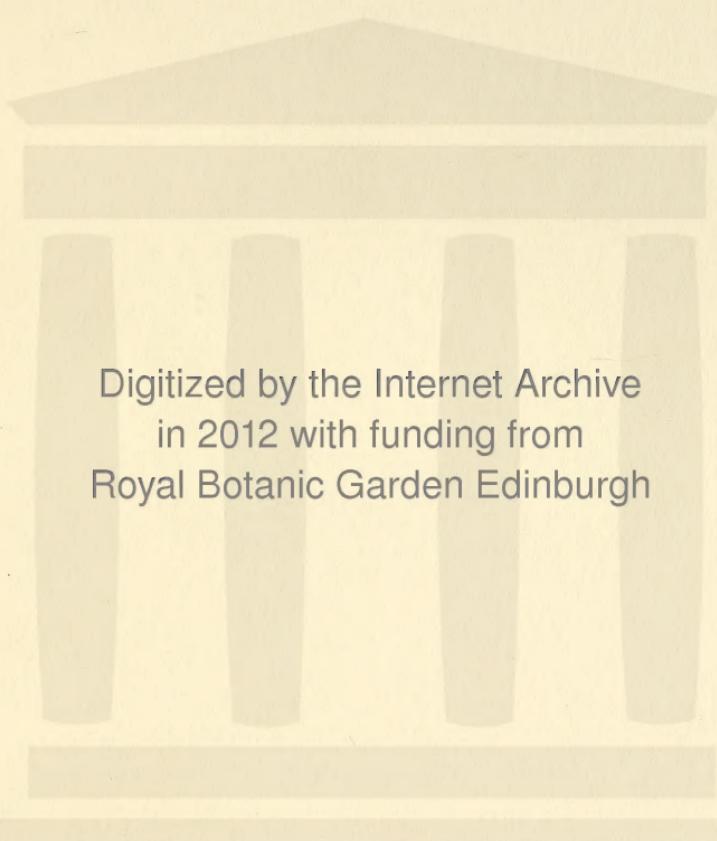
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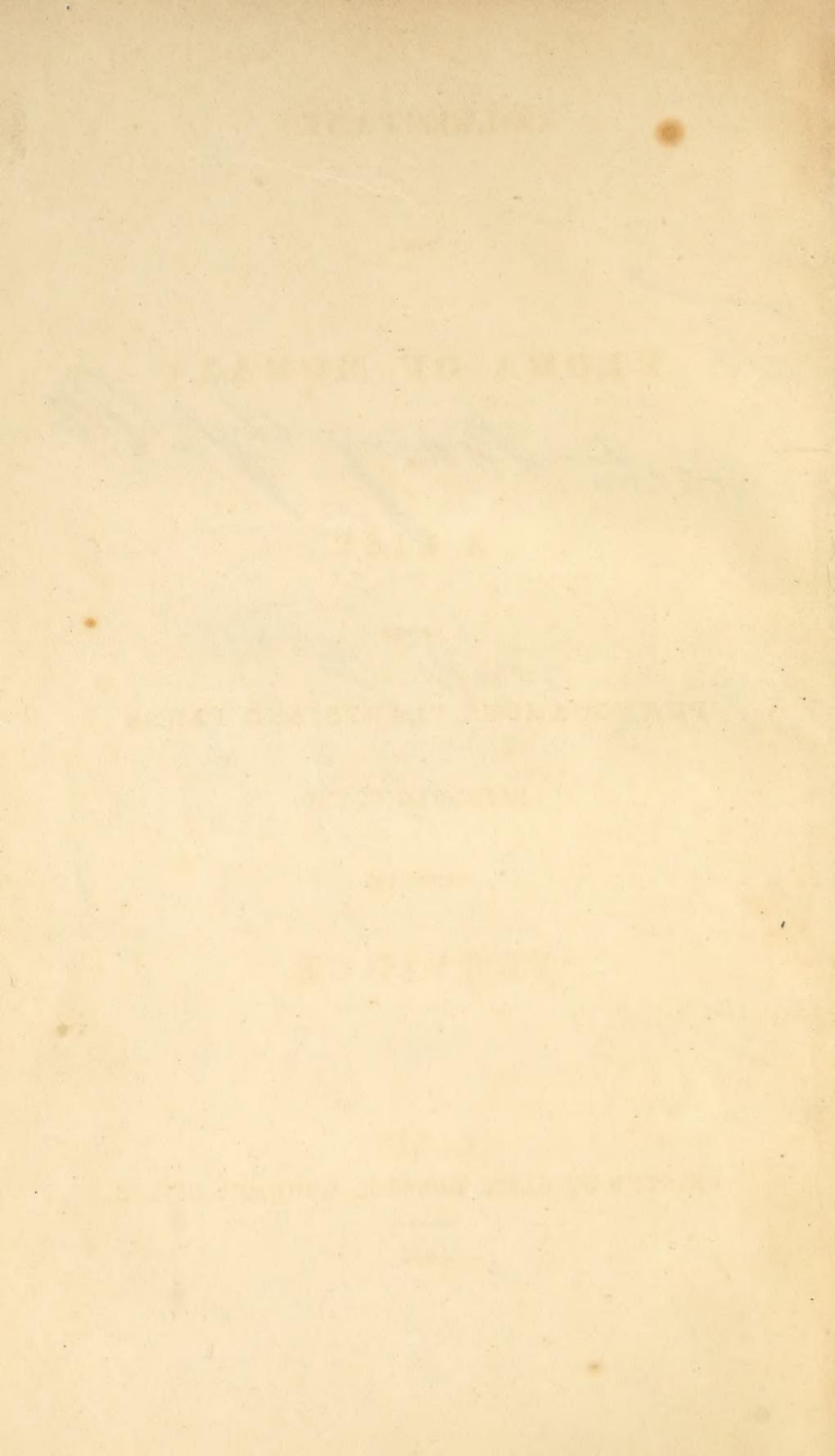


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To
Martin Barry Esq. M. D.

Bonnie 8th Augt
1839



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Tota quanta est hæc regio frugibus et pascuis fœcunda, amoenitate vero, et fructiferarum arborum proventu, totius regni facile prima.

BUCHANAN.

P R E F A C E.

By circulating the following sheets among those who take an interest in the Botany of the North of Scotland, it is intended to show the result of inquiries hitherto made within the Province of Moray, and to afford a nucleus around which future discoveries and observations may be collected. Communications of this nature, made to Mr Anderson, Inverness — Mr Stables, Cawdor,—Mr Brichan, Nairn,—Dr Innes, Forres,—Mr Wilson, Alves,—or Mr Gordon, Birnie, will be preserved and duly appreciated.

The Province of Moray. or more strictly, the portion of Scotland, kept in view while drawing up this List, is drained on the east, by the Spey and its tributaries on the west by the Beauly. It is bounded on the north by the Moray Frith, and on the south by a line running from Loch Spey to Loch Monar, the course of which is regulated by the *water shears* between the east and west coasts. In extent and locality the district here selected very nearly corresponds to the "Elgin, or Eighth Botanical District of Scotland" as laid down and illustrated in a valuable paper lately read by Mr Brand before the Edinburgh Botanical Society. In a district so extensive as this, and so little explored (particularly in the southern and western portions) there must be plants yet to be discovered, and many facts to be recorded regarding the distribution of those already met with. The most effectual method by which these objects could be accomplished would be to institute separate and careful examinations of the several sections—such as parishes and other well defined districts—into which the Province might be divided. And for this purpose, this List, if interleaved, will prove highly useful.

In Moray there are examples of all the "Regions" described in "The Geography of British Plants" by Hewett C. Watson, Esq. The "Region of the Plains," is here well defined, and is represented by what is usually known as the "Flat, or How of Moray." It lies between the sea shore and a line whose general direction would run from Orton on the Spey—by Blackhills, Pluscarden, Relugas, and Cawdor—to Inverness; thence, including the Aird to the falls of Kilmorack on the Beauly. Mr Watson does not consider any of the "low country beyond the Grampians" in the Region of the Plains; but the above portion, whether tested by its temperature or its plants (indigenous or exotic), has a strong claim to be admitted. This portion, in the following pages, is frequently spoken of, as the *lower*, in contradistinction to the *upper* district of the Province.

"The Upland Region" lies to the south and west of that of the "Plains," and may be considered as extending as far as cultivation is carried. On account of the endless sinuosities of the valleys, it would be impossible to trace by description its south-western boundary line.

"The Median Region is a narrow belt just above the upper limit of cultivation, and the growth of cupuliferous trees (oak and hazel)."

The tops of the secondary class of hills reach the "Subalpine Region." It lies on the *shoulders* of Belrinnes, Corryarick, and Maelfourvonne, and of the mountains of Glenavon, Cairngorum, and Strathglass; while "the Alpine Region" is found clothing their *summits*.

In such a treatise as this, it is usual to give a sketch of the geological structure of the district. Such would have been attempted, had there been a sufficient number of facts ascertained to show that there was here really any connexion between the vegetation and the underlying formations. The distance from the shore, and the elevation above the sea level, seem to influence the distribution of the species far more than the mineralogical character of the strata over which they grow. Besides, throughout the Province generally, and especially in the lower part of it, there is such a vast accumulation of alluvial matter interposed between the rock and soil, that the nature of the latter and of its vegetation depends mainly upon the circumstance of the alluvial deposits or subsoil being mossy, gravelly or clayey. In a few spots within the Province, such as Craighalkie near Tomintoul, where the beds of limestone, subordinate to the primary stratified formations, crop out, there are occasionally to be found several species of plants, whose range is evidently circumscribed within the influence of the calcareous soil. *Avena pratensis* seems confined to soils of this nature, changing its habit as the proportion of their ingredients differs. Where there is a superabundance of limy matter the plant often assumes a glaucous and rigid appearance, which has probably originated the *A. alpina*, and causes it still to hold a place as a distinct species.

On the history of our Provincial Botany there is little to be said. The list given by Shaw is meagre. The valuable Herbarium of the late Laird of Brodie (now in the possession of David Steuart, Esq., Edinburgh), to whose great kindness the compiler and his friends are indebted for repeated inspections of this interesting collection, contains but a small proportion of Moray specimens; but it has been enriched by ample contributions from Mr Don, Sir James Smith, Dr Goodenough, &c. The collection made by Dr Strath, late of Nairn, is still preserved; but it offers little to interest the botanist of the present day. Boué, in a Thesis, printed at Edinburgh in 1817, held out but poor encouragement to the student in this field: he says, "In comitatus Moray et Nairn vocatos perlustrando, nihil magni momenti percepit, aliquot cryptogamis exceptis." "E comitatu Invernessensi, parum mea notitiae venit," &c. The admirable "Guide to the Highlands," by Messrs Anderson of

PREFACE.

Inverness, presents us with some remarks on the distribution of British plants, and gives the localities of many of the rarer species found north of the Grampians.

"The Northern Flora," by Dr Murray, was intended to include a considerable portion of the Province of Moray. The first part of the work, however, was all that was published prior to the lamented death of the author in the beginning of last year. But the latest and fullest information, as yet before the public, regarding the botany of the north, is to be found in Watson's "Geography of British Plants" and in his "New Botanist's Guide,"—works which should be consulted by every one who wishes to become acquainted with the Flora of any part of Britain.

Sir W. J. Hooker's "British Flora," 4th Edition, is followed in the nomenclature and arrangement of the Collectanea. The signs used are those employed by the Edinburgh Botanical Society, and are thus to be understood:—

- * * indicates that the species is very common.
- * ——— less common, but of frequent occurrence.
- § ——— abundant in one or two localities.
- † ——— rare.
- ? ——— doubtfully native.
- ‡ ——— certainly introduced.

After these signs the Provincial names are added to some of the more common plants. Localities are occasionally given for species which are very far from being rare; but where " &c." is not added, all the known stations are almost invariably inserted. The dates of discovery are stated in many instances; and, when no other authority is quoted, the compiler himself has found or gathered the plant, in the specified localities. At the foot of the page, and *under a line*, a few species are introduced as being, from their ascertained range in Britain, likely to form early addition to the Flora of Moray. It is on this account and with the view of noting their localities in the adjoining districts, that they have been placed here. A comparison however, of Lists I. and II. (pp. 31 and 32) will show the plants, which are most probably undiscovered denizens, as they contain the species found on either side, but not yet within the Province. Lists III. and IV. (pp. 34 and 35) have been drawn up not merely on account of the facility of doing so afforded by the Catalogue published by the Edinburgh Botanical Society, but also on account of the similarity which subsists, in several respects, between the two districts to which they refer. They are both on the east coast of Scotland: each has a wide arm of the sea as its northern boundary, an extensive flat of cultivated ground along the sea shore, and a considerable elevation towards the interior. Excluding, then, the true Alpine plants, which are not to be looked for on the high ground south of the Frith of Forth, it may prove not uninteresting to compare the Flora of Moray with that of Edinburgh.

TABLE of Altitudes within or on the Borders of the Province of Moray.

(From Watson's "Geography of British Plants.")

	Feet.
Ben-na-muich-dhu, ..	4390
Ben-Nevis, ..	4374
Cairngorm, ..	4080
Ben-Avon, ..	3964
Cairnealer, ..	3350
Belrinnes ..	2763
Maelfourvonne, ..	2730
Corryhabbie, ..	2558
Ben-Eagen, ..	1582
Loch Spey, ..	1203
Middle line of Glen Roy, ..	1184
Craig Phadrick, ..	1150
Binhill (Cullen), ..	1045
Loch Oich, ..	94
Loch Ness, ..	54

(From the Survey conducted by Captain Slater.)

	Feet.
Finlay Seat, above low water mark spring tides.....	1123
Hill of Lethen,	862
Hill of Tulloch,	843
— Pluscarden,	776
— Roseisle,	288
Knock of Alves,	280
Base of Monument on Clunyhill,	259
Covesea,	252
Gallowhill, near Inverugie,	251
Clarkehill, near Roseisle,	230
Coulart-Hill,	143
Culbin Sandhills, 15th August, 1835,	118
Maviston Sandhills, 4th August, 1835,	113

From the following extracts, furnished by the kindness of Messrs Allan and Rutherford, of Meteorological Journals kept at nearly the two most distant points, may be gathered some interesting particulars relative to the temperature, &c. of the Province of Moray :—

Extract from Register kept at the Elgin Institution, by the Rev. John Allan. Time of Morning observation for 1835, half-past Eight; Afternoon, half-past Three; and for 1836 and 1837, Nine, A.M. and Three, P.M.

MONTHS.	1835.		1836.		1837.	
	MORN.	EVEN.	MORN.	EVEN.	MORN.	EVEN.
January,.....	36.2	38.5	36.9	38.2	37.8	38.9
February,.....	40.6	42.7	36.1	38.5	40.0	41.8
March,.....	42.6	44.6	39.7	42.2	36.7	38.9
April,.....	45.5	47.0	45.6	45.5	40.4	41.1
May,.....	48.9	51.3	55.3	54.7	50.9	52.2
June,.....	59.2	60.7	61.1	61.2	59.4	60.7
July	60.8	63.1	61.6	62.0	62.0	62.5
August,.....	61.0	62.9	60.8	57.5	59.9	60.3
September,...	54.5	57.0	51.5	53.3	54.5	56.2
October.....	44.2	47.0	45.4	48.5	50.4	52.1
November,....	40.4	42.5	37.0	39.5	41.2	41.8
December,....	37.2	38.4	36.2	37.5	40.0	41.0
Means,.....	47.6	49.6	47.2	48.2	47.7	48.9

Annual mean of three years, 48.2

RAIN GAUGE.

1835,	24.080	in.
1836,	29.120	in.
1837,	22.866	in.

Annual average of three years, 25.355 in.

Extract from a Register of the Thermometer kept at Kin-gussie, in a window fronting the North, about eight feet from the ground, at Eight o'clock Morning, and a quarter past Seven Evening, by Rev. A. Rutherford.

MONTHS.	1835.		1836.		1837.	
	MORN.	EVEN.	MORN.	EVEN.	MORN.	EVEN.
January,	36.97	36.3	35.84	37.29	34.3	35.65
February,.....	36.9	38.11	33.69	34.65	35.86	37.6
March,..	37.6	38.7	37.12	37.87	31.84	33.58
April,.....	43.9	43.16	41.57	41.47	39.11	39.13
May,.....	49.93	49.64	52.3	54.53	47.42	49.19
June,.....	57.98	60.23	56.97	57.73	58.76	60.46
July,	58.69	60.9	56.8	57.48	60.4	61.3
August,	59.35	60.06	54.52	56.16	55.42	58.8
September,...	51.21	51.98	47.73	49.0	49.96	49.44
October,	42.4	42.68	41.25	42.95	46.26	46.94
November,....	40.18	41.2	36.1	37.83	37.3	37.26
December, ...	35.45	35.42	35.97	36.64	39.7	40.32
Means,.....	45.8716	46.5316	44.155	45.3	44.61	45.805

Annual mean of three years, 45.3788

BAIN GAUGE.

1835,	33.44	in.
1836,.....	34.4	in.
1837,.....	28.8	in.

Annual average of three years, 32.215 in.

COLLECTANEA

FOR A

FLORA OF MORAY.

MONANDRIA.

Salicornia herbacea. *

Nairn, 1832. "Below Brodie House," Brod. herbarium. "Old Bar of Findhorn," Dr Strath. Bay of Kinloss, Dr J. G. Innes.

Hippuris vulgaris. *

Loch of Spynie, 1823. Loch of Cotts. "Leen," at Garmouth. Abbeywell, Urquhart. Nairn, Alexander Falconer, Esq. &c.

DIANDRIA.

Ligustrum vulgare. †

Occasionally wild in the older shrubberies, as at Gordon Castle.

Veronica serpyllifolia. **

Var. *b. alpina.* † Hills in Glenfishie, 1831.

alpina. †

"Mountains of Badenoch," Withering.

scutellata *

"Order Pot," Elgin. Roseisle. Nairn, A. Falconer, Esq. &c.

Anagallis. *

Ditches at Duffus, Spynie, Mosswynd. Nairn, A. Falconer, Esq. &c.

Beccabunga. **

officinalis. **

Var. *b.* † Cairngorm range, 1831.

montana. †

"Holly Bank" Gordon Castle, 1830. Newmill Alves, Rev. G. Wilson. Darnaway wood," Brod. Herb. The Island at Inverness, William Alexander Stables, Esq.

Chamædrys. **

Veronica saxatilis.

"Perth, Forfar, Sutherland," Hewett. C. Watson, Esq.

Veronica hederifolia. **

— *agrestis*. **

— *Buxbaumii*. ††

Pinefield nursery, 1832.

— *arvensis*. **

Pinguicula vulgaris. ** "Sheep rot."

— *Lusitanica*. †

Glenstrathfarar, Messrs Anderson, Stables, & Gordon, 1836.

Utricularia vulgaris. *

Flowering in Loch of Spynie, 1830-1.

— *intermedia*. †

Observed to flower annually, since 1830, in some holes, whence turf seems to have been cut, under the north bank of the Loch of Spynie, about half a mile west from Ardivot. If there be a specific difference between this and *U. minor*, the Spynie plant, upon closer inspection, will probably be found to belong to the latter species.

— *minor*. †

Moss of Inshoch, Rev. J. Brichan.

Lycopus Europaeus. †

Boath, Rev. J. Brichan. Balloan Cawdor, W. A. Stables, Esq.

Circea alpina. *

Gordon Castle woods, 1829. Burn of Burgie, Rev. G. Wilson. West side of Lochness. Findhorn above Sluie, 1831. Cawdor woods, W. A. Stables, Esq. Mortlach, Mr P. Cruickshank, 1838. &c.

Fraxinus excelsior. *

North-bank of Lochness, to all appearance indegenous, W. A. Stables, Esq.

Lemna minor. *

Not observed in flower.

Anthoxanthum odoratum. **

TRIANDRIA.

Valeriana officinalis. **

Fedia olitoria. †

Cawdor, W. A. Stables, Esq. Between Tugnet and Portgordon, Rev. G. Wilson.

— *dentata*. ? §

Cornfields at Innes, and Drainie. Colfieeld, Rev. G. Wilson.

Iris Pseud-acorus. * "Yellow Flag."

Schizanthus nigricans. §

Moss of Coxton. "Leen" at Garmouth. Alder plantation, near Manse of Duffus. Hill of Monachy, Rev. G. Wilson. Moss of Litie, W. A. Stables, Esq. 1832.

Pinguicula alpina.

Auchterchlow, Ross-shire, Messrs Smith & Gordon, 1831.

Salvia Verbenaca. †

Between the Episcop. Chapel and Harbour, Fortrose, 1831.

Circeo Lutetiana.

Between Navidale and Ord of Caithness, 1826.

Cladonia Mariscus.

Marsh half way between Kyle Strome and Badeal Church, Sutherlandshire, Dr Graham.

Valeriana Pyrenaica. †

Likelyhead, Premnay, Aberdeenshire.

Rhynchospora alba. †

" Dyke Moss," Brod. Herb. Do. 1832, Rev. J. Brichan.

Scirpus lacustris. §

Loch of Spynie. Lakes in Badenoch. Moy Carse, Dr J. G. Innes.

— *setaceus.* *

Blysmus rufus. §

Culbin, 1830. Loch of Spynie, west of Ardivot. Nairn, A. Falconer, Esq. Between Findhorn and Burghead. Delnies, W. A. Stables, Esq. 1833.

Eleocharis palustris. **

— *multicaulis.* §

Loch of Spynie, Mr P. Cruickshank. Marshy grounds from Auldearn to Dyke, Rev. J. Brichan.

— *pauciflora.* *

Stotfield. Rosevalley. Culbin.

— *cespitosa.* **

— *fluitans.* §

Pools between Brodie and the sea, 1830. Moss west from Aldroughty.

Budgate near Cawdor, W. A. Stables, Esq.

Eriophorum vaginatum. *

Glen of Rothes. Belrinnies. Kellas. Romach. &c.

— *polystachion.* **

Nardus stricta. **

Alopecurus pratensis. *

Castle of Spynie. Pluscarden Abbey. Island of Lochnabord. &c. More frequent in the upper districts.

— *alpinus.* †

Hill in Glenfishie, 1831.

— *geniculatus.* **

Phalaris arundinacea. *

Lossie at Deanshaugh, Aldroughty, &c. Banks of Spey above Rothes, Messrs Stables & Gordon, 1838. "Order Pot," Elgin, with coloured variety. Glenmoriston, do.

Ammophila arundinacea. * "Bent."

All along the sandy places of the shore. A few plants grow on the north side of the turnpike in the middle of the Oakwood; probably an old resting place of the fish women, where the plant has fallen from their creels.

Phleum pratense. ? §

Occasionally in fields and pastures throughout the country.

— *alpinum.* †

Garvay Moor. H. Flo. Scot.

Milium effusum. †

Dunphail. Oakwood. Cawdor, 1830. "Darnaway," Brod. Herb.

Scirpus maritimus.

Dingwall, 1829. Kintail, 1836.

— *sylvaticus.*

On the Gadie at Premnay, 1829.

Eriophorum pubescens.

Between Allangrange and Munlochy 1831. Near Plockton, Ross-shire, Messrs Stables & Gordon, 1836.

Calamagrostis Epigejos.

In a wood near M'Lean of Coll's house, at Tobermory, Mull, 1829.

Phleum arenarium.

"Rattery Links. Near Aberdeen and Banff." North. Flora.

Agrostis canina. *

Belrinnes. Badenoch.

— *vulgaris.* **— *alba.* ***Catabrosa aquatica.* *

Burn that falls into the sea between Burghead and Findhorn, 1828.

Ditches east side of Birkenhill. "Leen" at Garmouth. Inshoch,
Dr Innes. &c.*Aira cristata.* *Burghead. Castle of Auchindown. Mouth of Forres Burn, Dr
Innes. &c.— *cespitosa.* *— *flexuosa.* *— *caryophyllea.* * "Mouse Grass."— *precox.* **Melica nutans.* †Dunphail. Cawdor, W. A. Stables, Esq. Craighalkie, To-
mintoul.— *uniflora.* †

The Dream, Kilmorack, 1829.

— *caerulea.* **

Edinkillie. Oakwood. Ardcanney. Grantown woods. Badenoch. &c.

Abundant in the upper parts of Elgin, Nairn, and Inverness. Var. b.
Oakwood, 1830.*Holeus mollis.* *Oakwood. "Brodie," Brod. Herb. Cawdor woods, W. A.
Stables, Esq. Badenoch. &c.— *lanatus.* ** "Pluff Grass."*Arrhenatherum avenaceum.* ** "Knot Grass."*Poa fluitans.* *— *maritima.* §

Covesea, 1827. Culbin. Nairn, Alexander Falconer, Esq.

— *trivialis.* **— *pratensis.* **— *annua.* **— *nemoralis.* †

Dunphail. Blackhill near Viewfield.

Triodia decumbens. *

Urquhart. Roseisle. Rothes. Dunphail. Badenoch. Nairnshire.

Briza media. § "Datheron Ducks."

St Andrews. Loch of Spyne. Glenrinnes.

Dactylis glomerata. *North-west of Duffus Castle. Oakwood. Spynie Castle. &c.
&c.*Cynosurus cristatus.* **Lossie, at the influx of Tayoch. &c. &c. Occasionally vivipa-
rous.*Sesleria caerulea.*"Stirling. Perth," H. Watson, Esq. "Mountains in the north of
England and Scotland," Dr Hooker.*Poa compressa.*"On walls and barren dry ground frequent," Dr Hooker. Not in
"Watson's Guide" on account of its frequent occurrence in
Britain.— *alpina.*

Bennabuird, Dr Graham. Sutherland, do.

- Festuca ovina*. *
- *b. vivipara*. Castle of Spynie, Tomintoul. &c.
 - *duriuscula*. *
 - *rubra*. * Stotfield. Covesea. Culbin.
 - *bromoides*. * Oakwood near Newspynie, and in Hospital Quarry. Springfield. Rothes. Forres, Dr J. G. Innes. &c.
 - *calamaria*. † Dunphail, 1827. "Darnaway wood. Burn of Denaira," Brod. Herb. Cawdor woods, W. A. Stables, Esq.
 - *elatior*. * Ardivot Bank. Sheriffmill Bridge. Haugh at Rothes. Moy, near Kinorth. Auldearn, Rev. J. Brichan. &c.
- Bromus giganteus*. § Island at Inverness, W. A. Stables, Esq. Dunphail, 1827. Kinloss. Spey, at Fochabers.
- *asper*. * Dunphail and Darnaway woods. Starryburn, Enzie. Pluscarden, &c.
 - *sterilis*. ? † Old wall, College Street, Elgin, 1824. Pluscarden.
 - *secalinus*. ? * Cornfields at Spynie, 1828. Drainie. Birnie. Rafford, Dr Innes. Nairnshire, Rev. J. Brichan.
 - *mollis*. ** "Geese Grass."
- Avena fatua*. ? *
- *pratensis*. § On the limestone of Craighalkie, near Tomintoul. On the Calc Tufa of Inchory. Craigellachie, Messrs Stables & Gordon, 1833. Badenoch.
 - *pubescens*. † Knock of Alves, 1828. Findhorn at Logie. Craghue, Badenoch. Boath, Rev. J. Brichan.
 - *flavescens*. ‡ † Westerton lawn.
- Arundo Phragmites*. § "Streeds," i. e. Star reeds? Loch of Spynie. Kinloss, Dr J. G. Innes. Moss of Litie, W. A. Stables, Esq.
- Elymus arenarius*. † On the agaty rock at Stotfield village, 1828. Shore west of Burghead, Mr Fraser.
- Hordeum murinum*. † † Walls about Greyfriars, Elgin, 1824. Churchyards of Drainie, Duffus, Alves, and Forres. Spynie Castle. The localities of this plant mark its introduction into the province at a very early date.
- Triticum caninum*. * Craighalkie, Tomintoul. Findhorn, above Sluie, 1831. "Island" at Inverness, W. A. Stables, Esq., 1832.
- *repens*. ** "Quickens."
 - *junceum** Stotfield. Covesea. Burghead. Culbin. Nairn, W. A. Stables, Esq.

Avena strigosa.

Clova, 1837, W. Brand, Esq. Deeside, Brit. Flo.

Brachypodium sylvaticum *

Findhorn below Logie. Craighalkie. Island at Inverness, W. A. Stables, Esq. Cawdor woods, W. A. Stables, Esq.

Lolium perenne. ***temulentum*. ? *

Springfield, near Elgin, 1825. "The Moor," Speymouth. Birnie, 1835. Auldearn, Rev. J. Brichan. &c.

Montia fontana. *

TETRANDRIA.

Dipsacus sylvestris. ‡ †

Near Glassgreen, 1835.

Knautia arvensis. ? †

Clashland, Urquhart, 1828. "Bow Bridge," John Lawson, Esq. Lethen, Rev. J. Brichan. Edgefield, Dr Innes.

Scabiosa succisa. ***Galium verum*. ***— cruciatum*. ? †

Relugas, Miss Robertson, 1835.

— palustre. ***— uliginosum*. §

Craighalkie. Tomintoul. Glenfishie, 1831.

— saxatile. ***— Mollugo*. ? †

Ardgay, by the side of a dyke leading from the cornyard to turnpike road, 1826. Pittendriech. Pluscarden, Mr Fraser. Dalvey, Dr Innes. Belladrum, W. A. Stables, Esq.

— boreale. *

Craigellachie, 18th June, 1825. Haugh at Rothes. Speyside, below Fochabers. Badenoch. Tomintoul. Glenmorriston, 1829. Island at Inverness, and near Fall of Foyers, on the loch side, W. A. Stables, Esq.

— Aparine. ** "Bloody Tongues."

Common in hedges, &c. A variety? fringes the seashore in many places of the Moray Frith, a little above high water-mark, 1831.

Asperula odorata. *

Oakwood, near Scroggiemill, 1824. Banks of the Divie, Edinkillie. Dunphail. Cawdor woods. &c.

Sherardia arvensis. ? *

Near cultivated ground, frequent, 1824.

Plantago major. ** "Warba Blades."*— lanceolata*. ** "Rib Grass" "Carle Doddies."*— maritima*. *

Sea side, frequent. Also in several inland places as at the banks of the Lossie at Main, 1824. Intermediate localities (between the seashore and the tops of the higher hills), have likewise been observed in Nairnshire.

— coronopus. *

Burghead. Covesea. Lossiemouth. Side of Oakwood, near Scroggiemill, 1823.

Asperula laevigata.

"Lord Banff's woods, Forglen," Brod. Herb., "probably *Galium palustre*," W. A. Stables, Esq. A plant, closely resembling the description of *Asperula Taurina*, "Loudon's Ency," grows luxuriantly near an old garden, at Ardval, Strathpeffer, 1835. The same has been met with, near Relugas, by Miss Robertson, Forres.

Centunculus minimus. §

Flat on the west side of Stotfield, 1828. Pool near Sunbank. Sides of the Loch of Spynie at Ardivot. Kinloss Bay, near Schoolhouse. Sea coast at Lochlee, Rev. J. Brichan.

Epimedium alpinum. † †

Escaped and got wild about Gordon Castle.

Cornus sanguinea. † †

Old shrubberies, as at Innes House, Gordon Castle. "About Inverness," Flo. Scot.

C. Suecica. †

Belrinnes, 1828. Cairneiler. "Glenfiddach," Brod. Herb. Mam-soul, Messrs Anderson, Stables, & Gordon. 1836.

Parietaria officinalis. † †

Pans Port, Elgin, 1823. Pluscarden. Kinneddar. Castles of Spynie, Old Duffus, Kinloss.

Alchemilla vulgaris. *

Side of the Blackburn, 1824. Spey, below Bridge of Fochabers. Lawn at Cawdor Castle, W. A. Stables, Esq. &c.

— alpina. §

On the Spey, opposite the Church at Speymouth, 1825.

Dava. Daltullich. Fall of Foyers, 1829. Badenoch, 1831. "Sources of the Spey, Dr Bostock," Withering. Glenavon, 1830.

— arvensis. * **Ilex aquifolium.* §

Oakwood. Cawdor. &c.

Potamogeton pectinatus. §

Loch of Spynie, 1825. Loch of Cotts. Nairnshire, A. Falconer, Esq.

— pusillus. §

Loch of Spynie. Bankhead, near Speymouth, 1827.

— crispus. §

Canals about the Loch of Spynie.

— perfoliatus. §

Loch of Spynie, 1824.

— praelongus. †

Moss of Litie, and Lochlee, Rev. J. Brichan. Lochnadrub, W. A. Stables, Esq.

— heterophyllus. §

Coltfield Alves, Rev. G. Wilson. Mosstowie, Rev. G. Wilson. Duffus, Rev. G. Wilson. Milton Duff. Duffus-hillock. "Lochlee and Crane Lochs. Inshoch," Brod. Herb.

— lanceolatus. †

In the Lossie at Aldroughty and Sheriffmill, 1825.

— natans. **Ruppia maritima.* †

Kinloss near Schoolhouse, Rev. G. Wilson, 1832.

Sagina procumbens. * **— maritima.* §

Fort-George, 1826. Garmouth. Lossiemouth.

Potamogeton lucens.

Banffshire, in the Deveron, G. C. Smith, Esq., North. Flo.

— rufescens.

In the Gadie, above Manse of Premnay, 1829.

Radiola millegrana. *

Leverach Loch, 1824. Loch of Spynie. Pluscarden. Stotfield. &c.
 " Banks of the Spey between Fochabers and Orton, Maughan,"
 Hook. Flo. Scot. Nairnshire, W. A. Stables, Esq.

PENTANDRIA.

Echium vulgare. ? *

Cultivated ground, 1823.

Pulmonaria officinalis. ††

Escaped from Gordon Castle, near the Lake, 1830.

Lithospermum officinale. *

Bridge of Nethy Strathspey, 1830. ? Castle of Old Duffus. Spey, on the rocks above the Bridge of Fochabers, 1838. Cothall, Dr J. G. Innes. Culloden; Dr Gilbert M'Nab. " Beauly Monastery," Flo. Scot.

arvense. ?

Cornfields, plentiful, 1824.

maritimum. *

Covesea. Fort-George. &c.

Sympytum tuberosum. ? †

Gordon Castle woods. Speymouth.

Borago officinalis. ††

Escaped from gardens, as at Burgie, A. Duff, Esq. Drainie. Kininvie G. C. Smith, Esq.

Lycopsis arvensis. ** ?*Anchusa sempervirens.* ‡§

Pluscarden, 1825. Dumfermline's garden. " Love Lane," Elgin. Castle of Old Duffus. Cawdor, W. A. Stables, Esq.

Myosotis palustris. **arvensis.* **collina.* §

Ladyhill, W. A. Stables, Esq., 4th June, 1832. Tugnet at Spey, 1832. Cromwell's Mount Campbelltown, W. A. Stables, Esq.

versicolor. ***Asperugo procumbens.* ? †

" Burghead, old garden dykes," Brod. Herb.

Cynoglossum officinale. ††

Auldearn Churchyard, A. Falconer, Esq.

Anagallis arvensis. ? *

Cornfields at Cothall, Kintrae, Westfield, Drainie, Meft, &c.

tenella. §

Roadside, between Covesea and Drainie. Sides of the Loch of Spynie.

Between Unthank and the sea. Lochlee, Rev. J. Brichan.

Lysimachia nemorum. *

Edinkillie, 1825. Dunphail. Knockando. Kellas. Bog at Pittendriech, 1829. Cawdor woods, W. A. Stables, Esq. &c.

Primula vulgaris. *

Oakwood. Banks of the Lossie, Findhorn, and Divie. &c. &c.

Primula Scotica.

Keiss Bay, Caithness, 1826. It has been said that this plant has been gathered near Culbin; most likely some other has been mistaken for it.

Primula veris. §

Below Craighalkie Tomintoul, 1830. Nairnshire, Alexander Falcoher, Esq. ? Relugas. Altyre grounds near Cothall, Dr J. G. Innes.

Menyanthes trifoliata. * "Water Triflfe," i. e. Trefoil.

Loch of Spynie. Mosstowie. &c. &c.

Erythraea Centaurium. §

Springfield near Elgin. Limestone quarry, in Main wood. Garmouth, Rev. J. Gillan.

littoralis. * "Sea Centuary."

Shores of the Moray Frith, as below "Brodie," Brod. Herb. Between Burghead and Findhorn, 1826. Culbin, 1830.

Datura Stramonium. †

One or two plants have been met with near gardens, as on the Bilboahall road, near Hay Street, and on a dyke near Linksfield, 1831. Drainie Manse, 1831.

Hyoscyamus niger. ?

Kinloss Abbey, 1824. Gallowgreen, 1825. Alves Churchyard. Duffus do. Lime quarry at Sheriffmuill, 1826. Auldearn, A. Falconer, Esq. Spynie. Churchyard and Castlehill, Forres, Dr J. G. Innes.

Atropa Belladonna. †

Kinloss Abbey.

Solanum Dulcamara. * "Mad dog's berries."

Abundant between Bridge of Spey at Fochabers and the fossil fish beds at Dipple, 1838. Allarburn, 1823. Between Craiggellachie and Rothes. Kinrara, 1830. Burn of Burgie. "Common about Inverness," G. Anderson, Esq. Nairn, A. Falconer, Esq. ? Kinloss Abbey.

Verbascum Thapsus. ‡ † "Aaron's rod."

Banks north of the old church of Dundurcas. Elgin Cathedral. Kinloss Abbey. Castlehill, Forres, Dr Innes. Cawdor Castle, W. A. Stables, Esq.

Convolvulus arvensis. ? †

Field west from Gray's Hospital, 1826. Claydales, Alves. Rev. G. Wilson. Near Sweno's Pillar, Dr J. G. Innes. Nairn, Alexander Falconer, Esq. On the Longman, Inverness, G. Anderson, Esq.

Verbascum sepium. ? †

Between Relugas and Dunphail, W. A. Stables, Esq.

Polemonium caeruleum. ‡ †

Glenfiddach Lodge.

Azalea procumbens. †

Glenavon, 1830. Belrinnes, 1833. Mamsoul, Messrs Anderson, Stables, and Gordon. "Ben-y-vachart," Flo. Scot.

Vinca minor. ‡ †

Dunphail, 1824. Variegated variety escaped at Innes, 1829.

Samolus Valerandi. †

Side of a small canal dividing the Gordonstown and Kinnedar estates, on the east side of the Lossiemouth and Elgin road, 1831.

Erythraea latifolia.

Staffa, July, 1829.

Verbascum pulverulentum.

"Den near Cullen, Mr Maughan," Brit. Flora.

Jasione montana. †

The only station, as yet found on the east coast of Scotland, is the raised beaches between Lossiemouth and Garmouth, 1824.

Lobelia Dortmanna. §

Loch Builg. J. Cooper, Esq. 1831. Lochnadarb, 1825. Loch Baladren. "Lochlee and Crane Lochs," Brod. Herb.

Campanula rotundifolia. ** "Blue bell."

With white flowers at the Romach, Kintrae, &c.

— latifolia. †

The burn Tenassie, G. Anderson, Esq., 1836.

Lonicera Periclymenum. **Euonymus Europeus.* †

Gordon Castle. Innes House.

Viola palustris. **— canina.* **

Var. *flavicornis.* §

— tricolor. ***— lutea.* §

Tomintoul, Badenoch, 1831.

Ribes rubrum. Var. *petræum.* §

In many stations on the Spey, from Craghue to Grantown, 1827, 1831.

— Grossularia. ‡†*Hedera Helix.* **Glaux maritima.* **Gentiana Amarella.* †

Between St Andrews and Calcots. Inverugie. East of Duffus Manse, Rev. G. Wilson; and near Westfield, Rev. G. Wilson.

— campestris. ***Hydrocotyle vulgaris.* ***Sanicula Europea.* *

Glenlatterach. Dunphail. Cawdor woods, W. A. Stables, Esq. Craghue, &c.

Conium maculatum. ? *

Waulkmill. Churchyards of Spynie, Duffus, and Birnie. Stotfield and Lossiemouth. Ardgay, and several other places in Alves. Castlehill, Forres, Dr J. G. Innes. Cawdor, William A. Stables, Esq.

Apium graveoleus. †

Near Kinloss Abbey, Rev. G. Wilson, 1831.

Helosciadium inundatum. *

Loch of Spynie. Merrystown, near Nairn, W. A. Stables, Esq.

Aegopodium Podagraria? * "Bishop weed."
Carum Carui. ‡†

Near Waterton on the Duffus road. Drumbain.

Bunium flexuosum. ** "Lousey arnuts." "Knotty meal."
Pimpinella Saxifraga. §

Tomintoul. Grantown, W. A. Stables, Esq. Badenoch. Alves, Rev. G. Wilson.

Campanula persicifolia.

"Den near Cullen, apparently indigenous, G. Don." Flo. Scot.

Cuscuta Europea.

Near Nigg, Ross-shire, Rev. J. Brichan.

- Sium angustifolium.* §
Loch of Spynie. Ditches at Duffus.
- Oenanthe fistulosa.* †
" Leen," at Garmouth. 1828.
- *crocata.* §
Leuchars. Speyside, from the bridge to Garmouth.
- Aethusa Cynapium.* ? §
Gardens about Elgin. Alves, 1833.
- Ligusticum Scoticum.* †
Covesea. Cumington. Sea shore. Alves, Mr Fraser.
- Meum athamanticum.* †
" North side of Lochness, Mr Murray." Flo. Scot.
- Angelica sylvestris.* * " Ait-Skeeters."
- Peucedanum Ostruthium.* † †
Escaped as at Manse of Rothes.
- Heracleum Sphondylium.* ** " Bear-Skeeters."
- Daucus Carota.* ? *
- Torilis Anthriscus.* *
Between Rothes and Sourdan. Pluscarden. Old Duffus Castle, &c.
- Scandix Pecten.* ? §
Corn fields in Drainie, Duffus, and Alves.
- Anthriscus sylvestris.* * ?
Elgin Cathedral. Ruthven Castle. &c.
- *vulgaris.* *
Chærophyllo temulentum. ?
Forres, 1830. Alves, 1833.
- Myrrhis odorata.* † †
Bilboahall. Above Cothall, Dr Innes.
- Chenopodium maritimum.* §
Lossiemouth. Nairn, A. Falconer, Esq. Fort George, 1829.
- *Bonus Henricus.* ? * " Smeardock."
— *album.* * " Melgs."
- Salsola Kali.* §
Stotfield. Burghead. Findhorn, Dr Innes. Nairn, W. A. Stables, Esq.
- Ulmus montana.* §
Ravines in the upper districts.
- Viburnum Opulus.* *
Badenoch. Banks of the Ness. Darnaway. Birdsyards woods, Dr John G. Innes. Cawdor, William Alexander Stables, Esq.
- Sambucus Ebulus.* ? †
Ruthven Castle. Badenoch, 1830. " Near Culloden."
Flo. Scot.
- *nigra.* † * " Bourtree."
- Parnassia palustris.* *
- Statice Armheria.* * " Cassan Carricht." Gael.
Seaside, and Glenavon.
- Linum usitatissimum.* † †
— *Catharticum.* **
- Sibbaldia procumbens.* §
Belrinnies. Glenavon. Badenoch. Mamsoul.
- Drosera rotundifolia.* * *

Drosera Anglica. §

Badenoch. From Culbin to Fort George.

HEXANDRIA.

Berberis vulgaris. ‡‡

Old Duffus Castle.

Peplis Portula. §

Near Manse of Urquhart. Sunbank. Alves, Rev. G. Wilson. Newton of Park, Rev. J. Brichan.

Galanthus nivalis. ‡‡

Gordon Castle. Lethen.

Narcissus Pseudo-narcissus. ‡‡

Gordon Castle. Castle Grant.

Convallaria majalis. §

Clearly indigenous in the birch banks of Badenoch, 1827.

"Darnaway woods," Brod. herb. Birdsyards woods, Dr Innes. Cawdor woods, W. A. Stables, Esq.

multiflora. ‡‡

Gordon Castle, near the lake.

Allium arenarium. ‡‡

Lethen, 2d August, 1833, Rev. J. Brichan.

ursinum. †

The Island, Inverness.

Gagea lutea. †

Blackhills near Auldearn, Rev. J. Brichan, 1833.

Scilla verna. †

Covesea, Miss Johnston, 1834. Cummingston, Messrs Falconer and Gordon, 1829.

Hyacinthus non-scriptus. **Var. *alba* "Teethill," Mr P. Cruickshank.*Narthecium ossifragum.* ***Juncus effusus.* ** "Rashes."*conglomeratus.* ** "Do."*Balticus.* *

Moray Firth from Spey to Delnies, 1827. Banks of the Lossie, as far up as Kellas, and those of the Findhorn to Culleachan and Freeburn, Messrs Stables and Gordon, 1832.

maritimus. †

Kinloss bay, near School-house, Rev. G. Wilson. Lochlee, Rev. J. Brichan.

acutiflorus. **lampocarpus.* **uliginosus.* ***trifidus.* §

Glenfischie. Glenavon. Mamsoul.

compressus. §

Near Lossiemouth. Netherton of Grange, Dr Innes.

bufonius. **squarrosus.* ** "Sprotts."*biglumis.* †

"Cairngorm, G. and D. Don." Flora Scot.

Juncus castaneus.

"Perth. Forfar. Aberdeen," H. Watson, Esq.

- Juncus triglumis.* †
Glenfishie, 1831.
- Luzula sylvatica.* *
— *pilosa.* *
— *campestris.* **
— *arcuata.* †
Mamsoul, W. A. Stables, Esq., 20th July, 1836. “Cairngormum. Breriach,” Withering.
- *spicata.* §
Belrinnies. Glenavon. Badenoch. Mamsoul.
- Oxyria reniformis.* †
Side of the Spey near Speymouth. Aviemore, Dr Innes. Banks of the Findhorn, near Relugas, W. A. Stables, Esq.
- Rumex crispus.* * “Dockans.”
— *aquaticus.* *
About Elgin, W. Brand, Esq. 1837.
- *alpinus.* † †
Escaped from gardens, where it had been formerly cultivated.
- *sanguineus.* §
Findrassie. Gordon Castle woods.
- *obtusifolius.* *
- *Acetosa.* **
— *Acetosella.* ** “Souracks.”
- Tofieldia palustris.* †
Glenfishie. Cairneiler.
- Triglochin palustre.* *
— *maritimum.* §
Loch of Cotts. Spynie. Kincorth. Nairnshire.
- Alisma Plantago.* **
— *ranunculoides.* *
Leen at Garmouth. Boghead. Trochail. Nairn, A. Falconer, Esq. &c.

HEFTANDRIA.

- Trientalis Europea.* *
Oakwood. &c. &c.

OCTANDRIA.

- Erica Tetralix.* **
— *cinerea.* **
- Calluna vulgaris.* ** “Heather.”
- Vaccinium Myrtillus.* ** “Blaeberry.”
— *uliginosum.* §
Badenoch. Glenavon.
- *Vitis Idaea.* * “Cranberry.”
Oakwood. Abundant in the upper part of the province.

Menziesia caerulea.

“On the Athol sow at Dalnaspidal, half way between Dalnacardoch and Dalwhinnie, west of the highland road, and immediately north of Loch Garry, William Brand, Esq.” Watson’s Guide.

Vaccinium Oxyccos†

This, the true Cranberry, is rare in the province, though said to be the badge of the Grants. Corrourie bothie Glenavon, 16th July, 1830. Moy, Miss M'Lauchlan, 1837. Strath glass hills, Miss Fraser. Belladrum.

*Erythronium angustifolium. **

Delnabo Tomintoul. Lochlaggan. Rock on the Divie, above Relugas. Falls of the Lossie, 1837. "Fall of Foyers," Flo. Scot. Slochmuichd, W. A. Stables, Esq.

parviflorum. §

Ditches around the Loch of Spynie.

*montanum. ****roseum. †*

"Darnaway wood, G. Don." Brod. Herb.

*tetragonum. ***palustre. ***alsinifolium. †*

Delnabo Tomintoul.

alpinum. §

Benrinnes. Glenavon. Badenoch.

Polygonum Bistorta. ††

Pluscarden. Mukrach, Dr Innes. Nairn, A. Falconer. Esq.

viviparum.

Dunphail. Castle of Auchindown. Aviemore, Dr J. G. Innes.

*aviculare. ****Convolvulus. ****amphibium. ***Persicaria. ****lapathifolium. §*

Roadside, west of Springfield.

Hydropiper. †

Pond at Pettendriech. Millhill, Auldearn, Rev. J. Brichan.

Paris quadrifolia. †

Island at Inverness, G. Anderson, Esq.

*Adoxa moschatellina. **

Dalnashach. Mortlach, Mr P. Cruickshank. Auhrisk, J. Lawson, Esq. Newmill of Alves, Rev. G. Wilson, Birdsyards, Miss Robertson. Altyre. Dunphail, 1824.

DECANDRIA.

Pyrola uniflora. †

Discovered by John Lawson, Esq. about twenty years ago, in the Oakwood, near Aldroughty. It was afterwards lost sight of until 1836, when a few specimens were gathered by J. Shier, Esq., and pupils. "Near Brodie House, at the west gate Rape Park; and in a belt half way between the pond and Old Kennel: among fir trees in both places." Brod. Herbarium.

Pyrola secunda. *

Glenfiddach. Gordon Castle woods. Oakwood. Raised beach near Briggses, Rev. G. Wilson. Banks of Findhorn and Divie. Cawdor wood, A. Falconer, Esq. Badenoch. &c.

— rotundifolia. †

King's Mills, Inverness, G. Anderson, Esq.

— media. *

Oakwood, &c., more frequent in the upper districts of the province.

— minor. §

Dunphail. Brodie. Cawdor. Near Dulsie, Rev. G. Wilson.

Arbutus alpina. †

" Garymore, Winch," H. Watson, Esq.

— uva ursi. * " Gnashacks."
Scleranthus annuus. *
Chrysosplenium alternifolium. §

Badenoch. Dunphail. Inveravon, Rev. G. Wilson.

Newmill, Alves, Rev. J. Brichan. Cawdor, W. A. Stables, Esq.

— oppositifolium. *
Saxifraga stellaris. §

Badenoch. Glenavon. Belrinnes. Ardclach and Dulsie, Rev. G. Wilson.

— oppositifolia. †

Glenfishie, 1831.

— aizoides. *

Tomintoul. Badenoch. Cothall. "Darnaway wood," Brod. Herb. On the banks of the Nairn at Broadley, July 1835. Rev. J. Brichan. Corryburgh, G. C. Smith, Esq.

— granulata. §

Burghead. Covesea. Stotfield.

— hypnoides. §

Glenfishie, 1831.

— caespitosa. †

Benavon, Mr W. M'Nab.

Saponaria officinalis. ‡ †

Deanshaugh. Inshoch Castle, W. A. Stables, Esq.

Dianthus deltoides. †

Cromwell's Mount, Campbelton, W. A. Stables, Esq. Oakwood, G. Taylor, Esq.

Silene acaulis. §

Glenfishie. Glenavon. Mamsoul.

— inflata. *

maritima. *

— Anglicica. § ?

Alves, Rev. J. Brichan. Duffus, Rev. G. Wilson. Inshoch, Rev. J. Brichan. Culloden, Dr M'Nab.

Stellaria nemorum. †

Slaginnan, near Dunphail, William Gordon, M.D., 23d June, 1827. Cawdor woods. Ardclach, Rev. George Wilson.

— media. **
— holostea. *

Saxifraga tridactylites.

On a wall near Dunrobin, 1826. Ross-shire, Rev. Mr Brichan.

- Stellaria graminea.* *
 ——— *uliginosa.* *
 ——— *cerastoides.* †
 Glenfishie, 1831. Mamsoul, Messrs Anderson, Stables, and
 Gordon, 1836.
- Arenaria peploides.* *
 ——— *trinervis.* *
 ——— *serpyllifolia.* * *
 ——— *rubra.* *
 ——— *marina.*
- Sedum Telephium.* ?
 Near Calder's Breachley, W. A. Stables, Esq.
- *Anglicum.* †
 Raised beaches near Garmouth, Rev. J. Gillan.
- *villosum.* †
 Leen at Garmouth.
- *acre.* * *
 ——— *reflexum.* † ?
 On a wall near Greyfriars, Elgin.
- Oxalis Acetosella.* *
- Agrostemma Githago.* ? "Papple."
- Lychnis Floscuculi.* * *
 ——— *dioica.* **
- Cerastium vulgatum.* *
 ——— *viscosum.* * *
 ——— *semidecandrum.* *
 ——— *tetrandrum.* §
 Burghead. Ladyhill.
- *arvense.* §
 Crofts. Gallowhill. Grangehall. Coltfield and Kinloss,
 Rev. G. Wilson. Near Cluny hills, Dr Innes. View-
 field, near Nairn, W. A. Stables, Esq.
- *latifolium.* †
 "Benavon. South side of Lochmore, Barry." Watson's
 Guide.
- Spergula arvensis.* * * "Yarr."
 ——— *nodosa.* *
 ——— *subulata.* §
 Cloddach. Birnie. Culbin. Birdsyards, Dr Innes.

DODECANDRIA.

- Agrimonia Eupatoria.* §
 Linksfield. Cothall.
- Reseda Luteola.* * ?
 ——— *lutea.* † †
 Lossiemouth. Greeshop, Dr Innes. Nairn, A. Falconer, Esq.
- Sempervivum tectorum.* † * "Fouse."

- Cherleria sedoides.*
 Ross-shire, G. C. Smith, Esq.
Cerastium alpinum.
 "Perth. Forfar. Inverness. Sutherland," H. Watson, Esq.
Spergula saginoidea.
 "Perth. Forfar. Sutherland," H. Watson, Esq.

ICO SANDRIA.

- Prunus domestica.* ‡
 —— Castle of Old Duffus.
 —— *spinosa.* *
 —— *Padus.* §
 Aldroughty. Sides of the Spey, Findhorn, &c.
 —— *Cerasus.* ‡
Crataegus Oxyacantha. * "Chaws."
 Indigenous about Lochness.
- Pyrus Malus.* ‡
 —— *aucuparia.* § "Roddan tree."
 —— *Aria.* †* "Service berries," "Henapple."
 A favourite tree with the late James Earl of Fife, and frequent
 in the numerous plantations with which he embellished the
 eastern parts of the Province.
- Spiraea salicifolia.* ‡
 Gordon Castle. &c.
 —— *Ulmaria.* **
- Rosa spinosissima.* *
 Bankhead at Garmouth. Lochness. &c. &c.
 —— *Sabini.* †
 Bulletloan, Forres, Dr Innes.
 —— *villosa.*
 "Strathavon, Banffshire," Flo. Scot. Lochness, G. Anderson, Esq.
 —— *tomentosa.* †
 Lochness, G. Anderson, Esq.
 —— *inodora.* †
 "Glen Goy, Inverness-shire," Brit. Flo.
 —— *rubiginosa.* ? †
 Main wood. Near Penick, Rev. J. Brichan.
 —— *canina.* * "Hips." "Hippans."
 —— *systyla.* †
 "Fort Augustus," Brit. Flo.
- Rubus idaeus.* *
 Occasionally merely wild, in most places apparently indige-
 nous.
 —— *suberectus.* †
 "Near Lochness," Flo. Scot.
 —— *fruticosus.* *
 —— *cæsius.* †
 Near Forres, Rev. G. Wilson.
 —— *saxatilis.* *
 Glenlatterach. Dunphail. Cawdor. &c.
 —— *Chamaemorus.* † "Aivers," "Lus-na Oinach," Gael.
 Belrinnes. Corryhabbie. Craghue. Hill behind Drynachan
 cottage, W. A. Stables, Esq. Hills near Lochness, G. An-
 derson, Esq.
- Fragaria vesca.* *
 More abundant in the upper district of the Province.
- Comarum palustre.* *
Potentilla anserina. ** "Mascorns."
 —— *argentea.* †
 Foot of Moss Wynd, 1826. Nairn, A. Falconer, Esq.

Potentilla Fragariastrum. §

Banks of the Spey near Fochabers. Newmill, of Alves, Rev.
G. Wilson. Birdsyards, Dr Innes.

Tomentilla officinalis. * *

Geum urbanum. *

Pluscarden. North foot of Ladyhill. Cothall. Forres, Dr
Innes.

— *rivale.* *

POLYANDRIA.

Papaver Argemone. **

— *dubium.* ** " Blavers."

— *somniferum.* ‡ †

Walls about Pluscarden Priory.

Meconopsis Cambrica. †

Gordon Castle, near the gate.

Glaucium luteum. ‡ †

Has been met with as a weed near gardens, Elgin.

Chelidonium majus. ?

Dunfermline's garden. Dunphail. Forres, Dr Innes. Kinloss.
Cawdor.

Helianthemum vulgare. * " Sol flower" of the Highlanders.

Abundant in the upper district; but the only station known for it in
the "Flat of Moray," is the raised beach near Briggsses, discovered
by the Rev. G. Wilson.

Tilia Europea. †

— *grandifolia.* †

Cawdor.

Nymphaea alba. †

Loch near Rinniner, Mr Dick, Dallas. Lochs in Badenoch, 1831.
Moss of Litie, and between Fort George and Delnies, W. A.
Stables, Esq.

Nuphar pumila. †

"Loch Baladren," at Alviemore, Flo. Scot. Loch below Milton of
Badenoch, 1831.

Aquilegia vulgaris. ? †

Dunphail. Fall of Foyers, G. Anderson, Esq. Kinrara, 1831.

Thalictrum alpinum. †

Glenavon. Craghue.

Anemone nemorosa. **

Ranunculus aquatilis. **

— *hederaceus.* **

— *Lingua.* §

Loch below Lesmurdie Cottage. Loch of Spynie. Leu-
charts.

— *Flammula.* ** " Wil-fire."

Tomentilla reptans.

Wood near Loch Park, Banffshire, Mr P. Cruickshank.

Dryas octopetala.

Forfar. Skye, Flo. Scot. Sutherland, Dr Graham.

Thalictrum minus.

Links on the Banffshire coast, Rev. G. Wilson. "Aberdeen, Ross,
Sutherland," H. C. Watson, Esq.

Ranunculus Ficaria. **auricomus.* §Side of Lochness, G. Anderson, Esq. Blackhills. Nairn,
Rev. J. Brichan.*sceleratus.* **acris.* * **repens.* * * " Sit siccar."*bulbosus.* **Trollius Europaeus.* *

Common in the upper districts.

Caltha palustris. **

DIDYNAMIA.

Mentha sylvestris. ? †

Muiryha' near Brodie, Rev. J. Brichan.

viridis. ‡ †

Near an old garden, below Blackhills, 1835.

hirsuta. **rubra.* ? †

Burn below Milton Duff. Burn of Linkwood.

arvensis. ***Pulegium.* ‡ †

Field near Church of Birnie, 1834.

Thymus Serpyllum. **Var. *alba* near Glasgreen.*Origanum vulgare.* †

Tomintoul, 1828. ? Pluscarden.

Teucrium Scorodonia. ***Ajuga reptans.* ***pyramidalis.* †

" Strath Erric, Inverness-shire," Brit. Flo.

Leonurus Cardiaca. ? †

Ruins of Penick Castle, Rev. J. Brichan.

Galeopsis Ladanum. †

Alves, Rev. G. Wilson.

Tetrahit. ** " Dai nettle."*versicolor.* §

Drumin, 1830.

Lamium album. ‡ †

Dunfermline's garden, 1831.

purpureum. * **amplexicaule.* * **incisum.* †

Bulletloan, Forres, 1830.

Stachys sylvatica. **ambigua.* †

Moyness, W. A. Stables, Esq.

palustris. * " Houndstongue."*arvensis.* *

Crofts at Elgin, &c.

Glechoma hederacea. * " Grundavy."*Marrubium vulgare.* †

Kingston, near Garmouth. Kinloss Abbey.

Acinos vulgaris. §

Kirkhill in Duffus; and Coltfield in Alves, Rev. G. Wilson. Old-mills, Mr P. Cruickshank. " West side of Nairn," Brod. Herb.

- Clinopodium vulgare.* §
Haugh at Rothes. Craighalkie. Grantown, Mr Fraser.

Prunella vulgaris. * *
Scutellaria galericulata. †
Side of the Spey a little above Rothes, 1827. Kingsmills, near Inverness, Messrs Stables and Gordon.

Bartsia Odontitis. * *
Euphrasia officinalis. * *
Rhinanthus Crista-Galli. * *
— major. * ?
Grass and corn fields throughout the lower part of the Province.

Melampyrum pratense. * *
— *sylvaticum.* †
Lynleish. Strathspey, Dr Innes.

Pedicularis palustris. * *
— *sylvatica.* * *
Linaria Cymbalaria. † †
Wall at Gordon Castle, 1832.
— *repens.* ? †
Altnaskiach, near Inverness, Dr P. Nicholson.

Scrophularia nodosa. *
Digitalis purpurea. * * “Dead men’s bells.”
Var. *alba*, Knock of Alves, G. Taylor, Esq. Sluie, Dr Innes.

Linnæa borealis. †
Knock of Alves, Messrs Wilson & Brichan, (see Edin. Phil. Journal, April, 1829.) The former gentleman has lately (January, 1839,) met with another large patch of this plant, covering upwards of thirty square yards about three quarters of a mile distant from the Knock, near the third milestone from Elgin, and on the west side of the road leading to Mosstowie. Three stations are also known in the neighbourhood of Fochabers: one discovered by the late James Hoy, Esq.; another near the south side of the Cullen road, Mr Fair; and at the top of Slorach’s wood, Rev. Mr Bremner. Pittivaich, Mr Stewart. “Drummond, near Inverness,” Flo. Scot.

TETRADYNAMIA.

- Cakile maritima*. §
Crambe orientalis. † Grows wild on the mound of the bridge at Fochabers, 1828-1836.
Coronopus Ruellii. † Findhorn village, Rev. G. Wilson.
Thlaspi arvense. § Crofts at Elgin. Forres, Dr Innes. Nairn, Alexander Falconer,
 Esq. &c.
Capsella Bursa-Pastoris. ** "Witches' Pouches."
Teesdalia nudicaulis. § Linkwood, 1824. Glassgreen, J. Shier, Esq., 1836. Bishopmill;
 Alves; and Findhorn sands, Rev. G. Wilson. Cluny hills, and Nairn
 grove, Rev. J. Brichan.
Lepidium campestre. † Lossiemouth, Rev. G. Wilson. Inverurie, 1830. Ardgay,
 1830. Near Brodie House, Mr P. Cruickshank, 1837.
 —— *Smithii*. † Side of east approach to Holme, W. A. Stables, Esq.

- Cochlearia officinalis.* **
 ——— *Graenlandica.* †
 Hills in Glenfishie, 1831.
 ——— *Anglica.* †
 Kinorth, 1830.
 ——— *Danica.* †
 Culbin sands.
- Draba verna.* **
 ——— *rupestris.* †
 “ Cairngorum,” Brit. Flo.
- Camelina sativa.* ††
 Among flax in Alves, 1833, Rev. G. Wilson.
- Cardamine amara.* §
 Banks of Lossie, Blackburn, and Dovie. About Forres,
 Dr Innes. Nairnshire, Alex. Falconer, Esq.
- *pratensis.* **
 ——— *hirsuta.* **
Arabis petraea. †
 “ Cairngorum range,” Brit. Flo.
- *hirsuta.* §
 Craigellachie. Craighalkie. Inverugie.
- Barbarea vulgaris.* †
 Gas house, Elgin, W. A. Stables, Esq. Ardgay, 1830. Near Inverness, 1829.
- Nasturtium officinale.* **
- Sisymbrium officinale.* **
 ——— *Sophia.* §
 Lossiemouth and Stotfield. Gas house, Elgin. Kinloss.
 Forres Dr Innes. Kinorth, 1831. Waulkmill.
- *thalianum.* **
Erysimum cheiranthoides. ? †
 Ploughed ground at Grantown, Mr Fraser.
- *Alliaria.* †
 Old Tanyard, Elgin. Sheriffmill bridge. Altyre and Darnaway, Dr Innes. Cawdor, W. A. Stables, Esq.
- Cheiranthes Cheiri.* ? §
 Cathedral. Greyfriars. Kinloss.
- Hesperis matronalis.* † *
Brassica Napus. † *
- Has maintained its ground on the Island of Lochnadorb.
- *Rapa.* † *
- Sinapis arvensis.* ? *
 ——— *nigra.* † †
 Deanshaugh. Corn fields about Elgin.
- Raphanus Raphanistrum.* ? * * “ Runches.”

MONADELPHIA.

- Erodium cicutarium.* **
-

- Subularia aquatica.*
 “ Aberdeen, Sutherland, &c.,” H. C. Watson, Esq.
- Draba incana.*
 “ Inverness, Ross, Sutherland,” &c., H. C. Watson, Esq.
- Sinapis alba.* ?
 Avoch, Ross-shire, 1831. “ Aberdeen,” Mr Dickie.

Geranium sanguineum. §

Near the Herony on the Findhorn, Dr Innes. "Inverness," Flo. Scot.

sylvaticum. *

Frequent in the upper districts. Greeshop woods, Dr Innes.

pratense. †

Delnabo and Campdalmore, near Tomintoul, apparently indigenous.

Pyrenaicum ? †

Millfield, near Nairn, W. A. Stables, Esq.

lucidum. †

Urquhart Castle, G. Anderson, Esq.

robertianum. * **molle*. * **pusillum*. * ?*dissectum*. * ?

Grass fields from the Spey to Erchless Castle, 1836.

Malva sylvestris. ? **rotundifolia*. ? †

About West Park and the Cathedral, Elgin. Forres, Dr Innes.

moschata. ? †

Pluscarden, 1830. Linksfield, John Lawson, Esq.

DIADEPHLIA.

Corydalis lutea. †

Garden walls about Elgin

claviculata. *

Conrack at Rothes, J. S. Bushnan, Esq., M.D. Knockando.

Relugas, 1827. "Oaken nursery, near Brodie," Brod. herb. Cawdor woods, W. A. Stables, Esq. Lynleish, Strathspey, Dr Innes.

Fumaria capreolata. § ?

Pluscarden. Kinloss.

officinalis. * **parviflora*. †

Forres, Dr Innes. "Extends northward to Inverness," H. C. Watson, Esq.

Polygala vulgaris. ***Ulex Europaeus*. * * "Whins."*nanus*. †

Near Hopeman harbour, 1836.

Genista Anglica. * "Carline's spurs."*Cytisus scoparius*. * **Ononis arvensis*. ** "Wild Liquorice."*Anthyllis vulneraria*. ** "Cats' claws."*Orobus tuberosus*. ** "Gnapperts." "Carmile" Shaw.Var. *tenuifolius*. †

Oakwood. The "Blasted heath," near Brodie.

niger. †

"Craiganain, near Moy, Inverness," Brit. Flo.

Lathyrus pratensis. **Orobus sylvaticus*.

"Forfar. Inverness," H. Watson, Esq.

Vicia sylvatica. §

Beach at Fort George, 1826. Findhorn above Sluie, 1830.

"Foot of Ben Vochart," Flo. Scot. Kilmorack, 1829.

— *Cracca*. ** "Mice Peas."

— *sativa*. ** "Fitchacks," "Tares."

— *angustifolia*. †

Sandhills. near Burghead.

— *lathyroides*. *

— *sepium*. *

Castles of Old Duffus and Spynie. Birdsyards, Dr Innes.

Cawdor woods, W. A. Stables, Esq. &c.

Ervum hirsutum. **Astragalus glycyphyllos*. §

Lossiemouth. Cothall, Rev. G. Wilson.

— *hypoglossis*. *

Hopeman. Burghead. Campbelltown.

Ornithopus perpusillus. †

Garmouth road, opposite Urquhart, Rev. G. Wilson.

Onobrychis sativa. †

Road from Lesmurdie Cottage to Pitgaveny.

Trifolium repens. **

— *pratense*. ? *

— *medium*. *

— *arvense*. ** "Dogs and Cats."

— *procumbens*. §

Pittendriech.

— *filiforme*. **

Lotus corniculatus. ***Medicago lupulina*. *

POLYADELPHIA.

Hypericum quadrangulum. *

Loch of Spynie. &c.

— *humifusum*. *

Garmouth, Rev. G. Wilson. Urquhart, 1830. Alves,

Rev. G. Wilson. Culblair in Petty, W. A. Stables,

Esq. Inch, in Badenoch.

— *pulchrum*. **

SYNGENESIA.

Tragopogon pratensis. †

Near "Whirling Gates," Elgin, 1826.

Apargia autumnalis. **

Var. b. *Taraxaci*.

Cairngorm hills, 1831.

Oxytropis Uralensis.

Nigg. Ross-shire, Rev. J. Brichan.

Hypericum hirsutum.

Woods at Duff house, 1830. Between Keith and Glass,

Mr P. Cruickshank. Between Dingwall and Novar,

Rev. G. Wilson.

- Hypochaeris glabra.* *
 ——— *radicata.* * *
- Crepis virens.* * *
 ——— *paludosa.* *
Sonchus arvensis. *
 ——— *oleraceus.* * *
Leontodon Taraxacum. * *
 Var. *b. palustre.* *
Hieracium alpinum. †
 Craghue in Badenoch, 1831.
 ——— *Pilosella.* * *
 ——— *aurantiacum.* †
 Gordon Castle grounds.
 ——— *murorum.* *
 ——— *sylvaticum.* *
 Oakwood. &c.
 ——— *denticulatum.* §
 On the Lossie at Kellas. Banks of the Findhorn, above
 Sluie, 1830.
 ——— *prenanthes.* §
 Findhorn at Sluie, 1831. "Near Pitmain," Brit. Flo.
Lapsana communis. * *
 ——— *pusilla,* ? §
 Viewfield, Urquhart. Easterton, Birnie. Culloden, Dr M'Nab
 Aigas, Strathglass, 1836.
Cichorium Intybus. ? †
 Corn fields at Gordonstown, 1830. Lossiemouth, 1831.
 Alves, Rev. George Wilson. Birnie, 1835. Forres, Dr
 Innes.
Arctium Lappa. ** "Burrs."
Carduus nutans. §
 Gas house, Elgin, 1831. Near Glassgreen, 1835.
 ——— *acanthoides.* ? §
 Elgin Cathedral. Castle of Spynie. Drainie. Churchyard
 of Duffus.
 ——— *Marianus.* †
 About Elgin. Castlehill, Forres, Rev. G. Wilson.
Cnicus lanceolatus. * *
 ——— *palustris.* * *
 ——— *arvensis.* * *
 ——— *heterophyllus.* *
 Frequent in the upper districts.
Bidens cernua. §
 Pond near Manse of Urquhart. Leen at Garmouth. Pitten-
 driech.
Eupatorium cannabinum. †
 Cothall, on the Findhorn.
Tanacetum vulgare. ? *
Artemisia vulgaris. * * "Muggart kail."
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Saussurea alpina.

Ben-lea-mhorguislee, Ross-shire, G. C. Smith, Esq. Cannislip, Su-
 therland, W. A. Stables, Esq. "Forfar, Inverness," H. C. Watson,
 Esq.

- Gnaphalium dioicum.* *
 ——— *sylvaticum.* **
 ——— *supinum.* *
 Belrinnen. Glenavon. Badenoch. Mamsoul.
 ——— *uliginosum.* *
 Darkland. Speymouth. &c.
Filago minima. **
 ——— *Germanica* *
Petasites vulgaris. §
 Alves, Rev. G. Wilson. Pluscarden. Altyre, Dr Innes.
Tussilago Farfara. **
Aster Tripolium. †
 Findhorn bay, Rev. G. Wilson.
Senecio vulgaris. ** "Grunny swally."
 ——— *sylvaticus.* **
 ——— *Jacobaea.* ** "Stinking willie," "Ragwort."
 ——— *aquaticus.* *
 ——— *Saracenicus.* ††
 Castle of Inshoch, 1832, Messrs Stables and Gordon.
Solidago Virgaurea. *
Doronicum Pardalianches. †
 Fochabers. Lethen, Rev. J. Brichan.
Bellis perennis. ** "Gowans."
Chrysanthemum Leucanthemum. * "Horse gowans."
 segetum. ** "Guile."
Pyrethrum Parthenium. §?
 Craigellachie. Greyfriars. Cathedral. Pluscarden. Castlehill, Forres, Dr Innes.
 ——— *inodorum.* **
 Var. *b. maritimum.* *
Anthemis arvensis. *?
 Corn and grass fields about Elgin. Nairn. &c.
Achillæa Ptarmica. *
 ——— *millefolium.* **
Centaurea nigra. **
 ——— *Cyanus.* ** "Blue bonnet."
 ——— *Scabiosa* †?
 Roadside between Forres and Balnageith, 1831.

GYNANDRIA.

- Orchis mascula.* §
 Between Manse of St Andrews and Foresterseat. West end of Aldroughty farm. Alves, Rev. G. Wilson. Island at Inverness.
 ——— *latifolia.* **
 ——— *maculata.* **
Gymnadenia conopsea. **
Habenaria viridis. *
 Castle of Achindown, 1828. Aviemore. Craighue. Kilmorach. &c.
 ——— *albida.* *
 Frequent in the upper district.

Centaurea Jacea. ?
 Enzie, Rev. G. Wilson.

Habenaria bifolia. **

Goodyera repens. *

In all the older fir woods of the Province, and from near the sea level,
as at Kinloss, to the woods of Castle Grant.

Listera ovata. †

Craighalkie, near Tomintoul, 1830. Cawdor, W. A. Stables,
Esq.

— *cordata.* *

Epipactis latifolia. †

Craighalkie, near Tomintoul, 1828.

Malaxis paludosa. †

Near Loch Affric, 1836, W. A. Stables, Esq.

MONGECIA.

Euphorbia helioscopia. **

— *dulcis.* Var. *purpurata.* ‡

Escaped about Gordon Castle, and Grant Lodge Gardens.

— *Peplus.* ? *

A weed in gardens, Elgin.

Callitricha verna. **

— *autumnalis.* *

Alves, Rev. G. Wilson.

Zostera marina. *

Typha latifolia. § “ Bullseggs.”

Loch of Spynie. A plant or two at Waulkmill. Alves, Rev. G. Wilson.

Sparganium ramosum. *

— *simplex.* *

With the former on the Lossiemouth road.

— *natans.* §

Manbean wood. Aldroughty. Romach. Burgie. Duffus, Rev. G. Wilson. Near Budgate, of Cawdor, W. A. Stables, Esq.

Carex dioica. * *

— *pulicaris.* **

— *pauciflora.* §

Craiganaid, Inverness-shire, 1822. Highland Boath, Cawdor; and Aviemore, W. A. Stables, Esq. Dyke Moss, Rev. J. Brichan.

— *incurva.* §

Sea shore at Unthank, 1830. Mill of Outlet, between Burg-head and Findhorn. Culbin sands, 1830. Sands at Nairn.

— *stellulata.* *

— *ovalis.* *

— *curta.* *

— *remota.* *

— *arenaria.* **

Abundant on the sea-shore; and near the west gate of Leslie-murdie cottage (near Elgin)—an inland station.

— *muricata.* §

Loch of Spynie.

Coralloriza innata.

“ Perth, Forfar,” H. C. Watson, Esq. Wood near Coul, Ross-shire, Messrs Stables and Gordon, 1832.

Carex vulpina. §

Castle of Old Duffus.

- *teretiuscula.* §
West end of Aldroughty farm, 1830. Springfield, Mr P. Cruickshank, 1837. "Rape park, Brodie House," Brod. herb.
- *paniculata.* *
— *cæspitosa.* **
— *rigida.* †
Glenavon. Badenoch. Belrinnes.
- *acuta.* †
Side of the Spey at Kingussie, 1830.
- *stricta.* †
"Brodie House," Brod. herb.
- *flava.* *
— *fulva.* *
Badenoch. Linkwood. Duffus.
- *pallescens.* *
— *binervis.* **
— *panicea.* **
— *phæostachya.* †
"Cairngorum," Brit. Flo.
- *sylvatica.* †
Banks of the Findhorn, 1837. Cawdor, W. A. Stables, Esq.
- *pendula.* †
Banks of the Findhorn, Dr Innes, 1834.
- *Pseudo-cyperus.* †
Birdsyards; and near Castlehill, Forres, Dr Innes.
- *recurva.* **
— *precox.* §
Banks of the Findhorn at Logie, Dr Innes.
- *pilifera.* *
— *filiformis.* †
"Near Aviemore," Eng. Flora.
- *hirta.* †
Loch of Spynie. Near Viewfield, Mr Grey, 1837. Near Nairn, Rev. J. Brichan.
- *ampullacea.* **
— *vesicaria.* §
Badenoch, near Ruthven Castle. Nairn, at Millhill, Rev. J. Brichan.
- *paludosa.* †
Near Calcots, Mr P. Cruickshanks.

Carex saxatilis (pulla.)

"Forfar, Inverness, Ross," H. C. Watson, Esq.

- *distans.*
Portsoy, 1830.
- *capillaris.*
"Aberdeen, Ross," H. C. Watson, Esq. The Ross-shire station is on the level with corn fields, 1832.
- *rariflora.*
"Forfar, Aberdeen, Sutherland," H. C. Watson, Esq.
- *riparia.*
Near Birkenbog, Banffshire, Rev. G. Wilson.
D 2

- Littorella lacustris.* **
Alnus glutinosa. * " Arn."
Urtica urens. **
 —— *dioica.* **
Myriophyllum spicatum. **
Arum maculatum. ? †
 Castle of Old Duffus.
Quercus Robur. *
Fagus sylvatica. ‡
Betula alba. **
 —— *nana.* †
 Glenavon, 1830. Glenfishie, 1831.
Carpinus Betulus. †
Corylus Avellana. **
Pinus sylvestris. *
 Indigenous in Strathglass, Badenoch, and Strathspey.

DIÆCIA.

- Salix pentandra.* *? " Sauchs," " Palms."
 Elchies. Waulkmill.
 —— *fragilis.* ?
 Nairn, A. Falconer, Esq.
 —— *Russelliana.* †
 " The Duke's Willow," Gordon Castle, Brit. Flo. Near Inverness, H. C. Watson, Esq.
 —— *alba.* *?
 —— *fusca.* *
 —— *arenaria.* †
 Near the hill where the counties of Aberdeen, Perth, and Inverness meet, 1831.
 —— *viminalis.* *
 —— *cinerea.* *
 —— *aquatica.* *
 Near Speymouth Manse.
 —— *aurita.* *
 —— *cæprea.* *
 —— *phillyreifolia.* †
 " Glen Tarfe near Fort Augustus," Eng. Bot. Supp.
 —— *myrsinifolia.* †
 " Braeriach," Brit. Flo.
 —— *procumbens.* †
 " Braeriach," Brit. Flo.
 —— *herbacea.* §
 Belrinnies. Glenavon. Badenoch.
 The Province of Moray presents a good field for the student of this intricate genus. Some of the above species are given after much hesitation.
Empetrum nigrum. ** " Croupans."
Ruscus aculeatus. †
 Gordon Castle.
Myrica Gale. *

Salix reticulata.

" Perth, Forfar, Aberdeen, Sutherland," H. Watson, Esq.

Humulus Lupulus. †
Castle of Old Duffus.

Populus alba. †
— *tremula.* *
— *nigra.* †

Rhodiola rosea. †
Fall of Foyers, 1829, Badenoch, 1831.

Mercurialis perennis. *

Juniperus communis. ** “Aitnach,” “Melmot berries.”

Taxus baccata. ? †
Sides of Lochness, G. Anderson, Esq.

POLYGAMIA.

Atriplex laciniata. **
— *patula.* *

CRYPTOGAMIA.

Polypodium vulgare. **
— *Phegopteris.* *
— *Dryopteris.* *

The last two species more abundant in the upper district.
Aspidium Lonchitis. †
On the Findhorn, Rev. G. Wilson.

— *lobatum.* §
Cawdor woods, W. A. Stables, Esq.
— *Oreopteris.* *
Calcots. Cawdor. &c.

— *Filix mas.* **
— *spinulosum.* **

Cistopteris fragilis. **
Asplenium Trichomanes. *

Lochnadorb. Cawdor. Craghue.
— *viride.* §
Ardclach, Rev. G. Wilson. Cawdor, W. A. Stables, Esq.
— *marinum.* §
Covesea.
— *Ruta-muraria.* §
Elgin Cathedral. Pluscarden. Stotfield. Kinloss. Fort Augustus, Dr Innes.

— *Adiantum nigrum.* §
Pluscarden hill. Craghue. Badenoch.
— *Filix fœmina.* *

Scolopendrium vulgare. §
Castle of Old Duffus. Cawdor woods, W. A. Stables, Esq.

Pteris aquilina. ** “Brakens.”

Blechnum boreale. **

Cryptogramma crispa.

Ross-shire, Rev. G. Wilson, 1832. Ben-lea-mohr-guislee, Ross-shire,
G. C. Smith, Esq.

Osmunda regalis.

“Aberdeenshire. Sutherland,” Francis’ Brit. Ferns.

Botrychium Lunaria. *

Manse of Speymouth. Knockando. Moor above Forres, Dr Innes.
Kinstearny and Cawdor, W. A. Stables, Esq. &c.

Ophioglossum vulgatum. †

Near Burghead, Rev. G. Wilson.

Lycopodium clavatum. * "Tods' tails."*annnotinum.* †

Belrinnies. "Cairngorum range," Brit. Flo. Aviemore,
W. A. Stables, Esq.

inundatum. †

Lochlee, Rev. J. Brichan. Near Cawdor, W. A. Stables,
Esq. At Hatton, on the confines of Alves and Kinloss,
Rev. G. Wilson.

selaginoides. ***alpinum.* **Selago.* **Pilularia globulifera.* †

Alves near sea-shore, Rev. G. Wilson.

Equisetum arvense. ***sylvaticum.* **limosum.* * "Paddocks' pipes."*palustre.* **hyemale.* §

Bog at Pittendriech. Hill of Monachty, Rev. G. Wilson.
"Darnaway forest; and near the town of Forres,"
Withering. Dunphail, W. A. Stables, Esq.

Equisetum variegatum.

Near Rosehaugh, Ross-shire, 1831.

There are 724 species in the Catalogue of Moray Plants, of
which 65 are marked (?) as *doubtfully native*, and 70 (‡)
as *certainly introduced*.

Dicotyl:

Monocotyl:

Acotyl:

Genera...	269	64	12
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Species...	523	169	32
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*I.—List of Plants, not observed in Moray, but found in Aberdeenshire, or in the eastern part of Banffshire.**

<i>Aira alpina.</i>	<i>Medicago denticulata.</i>
<i>Alopecurus agrestis.</i> ‡	<i>Mentha piperita.</i>
<i>Allium vineale.</i>	<i>Myosotis cæspitosa.</i>
<i>Anemone Apennina.</i> ‡	— <i>repens.</i>
<i>Anthriscus Cerefolium.</i> ‡	<i>Nasturtium terestre.</i>
<i>Arenaria verna.</i>	<i>Nuphar lutea.</i>
<i>Atriplex littoralis.</i>	<i>Osmunda regalis.</i>
<i>Avena alpina.</i>	<i>Papaver Rhæas.</i>
— <i>strigosa.</i>	<i>Phalaris Canariensis.</i> ‡
<i>Beta maritima.</i> ‡	<i>Phleum arenarium.</i>
<i>Bromus racemosus.</i>	<i>Plantago media.</i>
<i>Calamagrostis Epigejos.</i>	<i>Poa alpina.</i>
<i>Campanula persicifolia.</i> ‡	— <i>aquatica.</i> ‡
<i>Carex capillaris.</i>	<i>Potamogeton gramineus.</i>
— <i>distans.</i>	— <i>lucens.</i>
— <i>intermedia.</i>	— <i>rufescens.</i>
— <i>lövigata.</i>	<i>Potentilla reptans.</i>
— <i>leporina</i>	— <i>alpestris.</i>
— <i>Œderi.</i>	<i>Primula elatior.</i>
— <i>rariflora.</i>	<i>Quercus sessiliflora.</i>
— <i>riparia.</i>	<i>Rumex acutus.</i>
— <i>rupestris.</i>	— <i>Hydrolapathum.</i>
— <i>Vahlii.</i>	— <i>maritimus.</i>
<i>Centaurea Jacea.</i>	<i>Salix Helix.</i>
<i>Cerastium alpinum.</i>	— <i>glauca.</i>
<i>Chenopodium rubrum.</i>	— <i>lanata.</i>
<i>Circæa Lutetiana.</i>	— <i>nigricans.</i>
<i>Convallaria multiflora.</i>	— <i>reticulata.</i>
— <i>Polygonatum.</i> ‡	— <i>rosmarinifolia.</i>
<i>Coriandrum sativum.</i> ‡	<i>Saxifraga nivalis.</i>
<i>Cuscuta Europæa.</i>	— <i>rivularis.</i>
<i>Digitaria sanguinalis.</i> ‡	<i>Scirpus maritimus.</i>
<i>Equisetum fluviatile.</i>	— <i>sylvaticus.</i>
<i>Festuca pratensis.</i>	<i>Scrophularia vernalis.</i>
<i>Foeniculum vulgare.</i> ‡	<i>Senecio viscosus.</i>
<i>Geranium pheum.</i>	<i>Setaria viridis.</i> ‡
<i>Helleborus foetidus.</i> ‡	<i>Silene nutans.</i>
<i>Helosciadium repens.</i>	<i>Sonchus alpinus.</i>
<i>Hieracium Sabaudum.</i>	<i>Subularia aquatica.</i>
<i>Hypericum hirsutum.</i>	<i>Symphytum officinale.</i>
— <i>perforatum.</i>	<i>Thalictrum minus.</i>
<i>Juncus castaneus.</i>	<i>Tomentilla reptans.</i>
<i>Koniga maritima.</i> ‡	<i>Valeriana Pyrenaica.</i> ‡
<i>Lotus major.</i>	<i>Verbascum pulverulentum.</i> ‡
<i>Lysimachia thyrsiflora.</i>	

* The authorities consulted in making up these lists are—Guide to the Highlands, &c., by Messrs Anderson, Inverness; Dickie's Flora Aberdeenensis; Watson's New Botanist's Guide, Vol. II.; Murray's Northern Flora, Part I.; Report of Edinburgh Botanical Society, 1838.

II.—List of Plants not observed in Moray, but found on the west side of Scotland and north of Oban and Iona, or in the counties north of the Caledonian Canal. I. is affixed to Plants also included in List I.

<i>Aira alpina</i> I.	<i>Lactuca virosa</i> . ‡
<i>Arenaria rubella</i> .	<i>Lathraea squamaria</i> .
— Norvegica.	<i>Lathyrus maritimus</i> .
<i>Avena strigosa</i> I.	<i>Lepidium latifolium</i> . ‡
<i>Bartsia alpina</i> (<i>Boué</i> .)	<i>Lythrum Salicaria</i> .
<i>Brassica monensis</i> .	<i>Nepeta Cataria</i> . ‡
<i>Calamagrostis Epigejos</i> I.	<i>Orobanche rubra</i> .
<i>Carex capillaris</i> I.	<i>Orobus sylvaticus</i> .
— limosa.	<i>Osmunda regalis</i> I.
— rariflora, I.	<i>Oxytropis Uralensis</i> .
— saxatilis.	<i>Petroselinum sativum</i> . ‡
<i>Cerastium alpinum</i> I.	<i>Pinguicula alpina</i> .
<i>Cherleria sedoides</i> .	<i>Poa alpina</i> I.
<i>Circea Lutetiana</i> I.	<i>Primula Scotica</i> .
<i>Cladium Mariscus</i> .	<i>Quercus sessiliflora</i> I.
<i>Cnicus eriophorus</i> .	<i>Rosa involuta</i> .
<i>Coralloriza innata</i> .	<i>Rumex maritimus</i> I.
<i>Cotyledon Umbilicus</i> . ‡	<i>Salix ambigua</i> .
<i>Cryptogramma crispa</i> .	— <i>Borreriana</i> .
<i>Cuscuta Europaea</i> I.	— <i>Croweana</i> .
<i>Daucus maritimus</i> .	— <i>prunifolia</i> .
<i>Draba incana</i> .	— <i>reticulata</i> I.
<i>Dryas octopetala</i> .	<i>Salvia Verbenaca</i> . ‡
<i>Equisetum Drummondii</i> .	<i>Saussurea alpina</i> .
— variegatum.	<i>Saxifraga tridactylites</i> .
<i>Eriocaulon septangulare</i> .	<i>Scirpus maritimus</i> I.
<i>Eriophorum pubescens</i> .	<i>Sinapis alba</i> .
<i>Erythræa latifolia</i> .	<i>Spergula saginoides</i> .
<i>Gentiana nivalis</i> (<i>Boué</i> .)	<i>Stellaria scapigera</i> .
<i>Hieracium umbellatum</i> .	<i>Subularia aquatica</i> I.
<i>Hypericum Androsænum</i> .	<i>Thalictrum flavum</i> .
— calycinum.	— minus I.
— elodes.	<i>Torilis infesta</i> .
— hirsutum I.	<i>Veronica saxatilis</i> .
<i>Isoetes lacustris</i> .	

The Catalogue of Moray Plants, and the above two lists, comprehend all the species as yet known in Scotland north of the Grampians. Those marked thus (I.) in No. II. being found both on the SE. and NW. of Moray, are the most likely to be met with in the Province.

III.—List of Plants not observed, or very rare in Moray; but marked, in the Edin. Bot. Society's Catalogue, as being very common or of frequent occurrence within sixteen miles of Edinburgh.

<i>Allium ursinum</i> .	<i>Atriplex littoralis</i> .
<i>Apargia hispida</i> .	<i>Avena flavaescens</i> .

<i>Bromus racemosus.</i>	<i>Myosotis sylvatica.</i>
<i>Campanula latifolia.</i>	<i>CEnanthe crocata.</i>
<i>Carduus tenuiflorus.</i>	<i>Origanum vulgare.</i>
<i>Carex intermedia.</i>	<i>Papaver Rhæas.</i>
— <i>riparia.</i>	<i>Petasites vulgaris.</i>
— <i>precox.</i>	<i>Pimpinella Saxifraga.</i>
<i>Chenopodium oildum.</i>	<i>Poa compressa.</i>
<i>Ciræa Lutetiana.</i>	— <i>distans.</i>
<i>Cynoglossum officinale.</i>	— <i>nemoralis.</i>
<i>Epilobium hirsutum.</i>	— <i>rigida.</i>
<i>Equisetum fluviatile.</i>	<i>Potentilla verna.</i>
<i>Erysimum Alliaria.</i>	<i>Primula elatior.</i>
<i>Eupatorium Cannabinum.</i>	— <i>farinosa.</i>
<i>Euphorbia exigua.</i>	— <i>veris.</i>
<i>Fedia olitoria.</i>	<i>Ranunculus auricomus.</i>
<i>Galium cruciatum.</i>	<i>Rosa corylifolius.</i>
<i>Geranium lucidum.</i>	— <i>tomentosa.</i>
— <i>pratense.</i>	<i>Rumex acutus.</i>
<i>Hieracium Sabaudum.</i>	<i>Salix Helix.</i>
<i>Hypericum hirsutum.</i>	— <i>Lambertiana.</i>
— <i>perforatum.</i>	<i>Scirpus maritimus.</i>
<i>Juncus glaucus.</i>	— <i>sylvaticus.</i>
<i>Knautia arvensis.</i>	<i>Senecio viscosus.</i>
<i>Lamium album.</i>	<i>Sedum villosum.</i>
— <i>intermedium.</i>	<i>Sinapis alba.</i>
<i>Listera ovata.</i>	<i>Stellaria glauca.</i>
<i>Lithospermum officinale.</i>	<i>Symphytum tuberosum.</i>
<i>Lotus major.</i>	<i>Thalictrum minus.</i>
<i>Medicago sativa.</i>	<i>Tragopogon pratensis.</i>
<i>Melica uniflora.</i>	<i>Trifolium striatum.</i>
<i>Myosotis cæspitosa.</i>	<i>Viola hirta.</i>

IV.—List of Plants in Moray, but not found within sixteen miles of Edinburgh, (exclusive of the Alpine species.)

<i>Arbutus Uva Ursi.</i>	<i>Lycopodium inundatum.</i>
<i>Aspidium Lonchites.</i>	<i>Melampyrum sylvaticum.</i>
<i>Avena fatua.</i>	<i>Mentha sylvestris, ?</i>
<i>Carex fulva.</i>	<i>Nuphar pumila.</i>
— <i>incurva.</i>	<i>Orobus niger.</i>
— <i>Pseudo-cyperus.</i>	<i>Pinguicula Lusitanica.</i>
<i>Centunculus minimus.</i>	<i>Polygonum viviparum.</i>
<i>Cochlearia Anglica.</i>	<i>Potamogeton heterophyllus.</i>
<i>Drosera Anglica.</i>	— <i>lanceolatus.</i>
<i>Elymus arenarius.</i>	<i>Pyrola media.</i>
<i>Epilobium roseum. (Brod. Herb.)</i>	— <i>secunda.</i>
<i>Erysimum cheiranthoides, ?</i>	— <i>uniflora.</i>
<i>Galium boreale.</i>	<i>Rhinanthus major.</i>
— <i>uliginosum.</i>	<i>Rubus suberectus.</i>
<i>Goodyera repens.</i>	<i>Rumex aquaticus.</i>
<i>Hypochaeris glabra.</i>	<i>Salix aurita.</i>
<i>Jasione montana.</i>	<i>Saxifraga aizoides.</i>
<i>Juncus Balticus.</i>	<i>Scilla verna.</i>
— <i>maritimus,</i>	<i>Teesdalia nudicaulis.</i>
<i>Lapsana pusilla.</i>	<i>Ulex nanus.</i>
<i>Linnaea borealis.</i>	<i>Utricularia intermedia.</i>

NATURAL ORDERS.

The Genera, found within the Province of Moray, referred to the natural orders, with number of species, and the page in Catalogue.

Class I.—DICOTYLEDONOUS PLANTS.

Orders and No. of Species.	Genera,	No. of Species,	Page.
<i>Caryophylleæ</i> 31.—	Lychnis ... Agrostemma ... Sagina... Spergula ... Stellaria ... Arenaria ... Cerastium ...	2 1 2 3 6 5 6	16 16 7 16 15 16 16
<i>Lineæ</i> 3.—	Linum... Radiola	2 1	11 8
<i>Malvaceæ</i> 3.—	Malva ...	3	22
<i>Tiliaceæ</i> 2.—	Tilia ...	2	18
<i>Hypericinæ</i> 4.—	Hypericum ... Parnassia	3 1	23 11
<i>Geraniaceæ</i> 10.—	Geranium ... Erodium	9 1	22 21
<i>Oxalideæ</i> 1.—	Oxalis ...	1	16
<i>Celastrineæ</i> 1.—	Euonymus.	1	10
<i>Leguminosæ</i> 28.—	Ulex ... Genista Cytisus Ononis Anthyllis Medicago Trifolium Lotus ... Astragalus Ornithopus Onobrychis Vicia ... Ervum Lathyrus Orobus	2 1 1 1 1 6 1 2 1 1 1 6 1 1 1 2 2 22	22 22 22 22 22 23 23 23 23 23 23 23 23 23 23 23 23 23 23
<i>Rosaceæ</i> 37.—	Prunus ... Spiræa Geum ... Rubus... Fragraria Comarum Potentilla ... Tormentilla ... Sibbaldia Agrimonia ... Alchemilla ... Rosa ... Crataëgus Pyrus ... Epilobium	4 2 2 6 1 1 3 1 1 1 3 8	17 17 18 17 17 17 17 18 11 16 7 16 16 16 14
<i>Onagrariæ</i> 9.—	Circæa... Hippuris ... Myriophyllum Callitrichæ	1 1 1 2	3 1 28 26
<i>Halorageæ</i> 4.—	Peplis ...	1	12
<i>Portulaceæ</i> 1.—	Montia	1	6
<i>Paronychiae</i> 1.—	Scleranthus	1	15
<i>Crassulaceæ</i> 7.—	Sempervivum..	1	16

Orders and No. of Species.	Genera.	No. of Species.	Page.
<i>Crassulaceæ</i> 7.	<i>Sedum</i> ...	5	16
	<i>Rhodiola</i> ...	1	29
<i>Grossularieæ</i> ... 2.	<i>Ribes</i> ...	2	10
<i>Saxifrageæ</i> 8.	<i>Saxifraga</i> ...	6	15
	<i>Chrysosplenium</i> ...	2	15
<i>Umbelliferæ</i> 25.	<i>Hydrocotyle</i> ...	1	10
	<i>Sanicula</i> ...	1	10
	<i>Conium</i> ...	1	10
	<i>Apium</i> ...	1	10
	<i>Helosciadium</i> ...	1	10
	<i>Ægopodium</i> ...	1	10
	<i>Carum</i> ...	1	10
	<i>Bunium</i> ...	1	10
	<i>Pimpinella</i> ...	1	11
	<i>Sium</i> ...	1	11
	<i>Œnanthe</i> ...	2	11
	<i>Æthusa</i> ...	1	11
	<i>Ligusticum</i> ...	1	11
	<i>Meum</i> ...	1	11
	<i>Angelica</i> ...	1	11
	<i>Peucedanum</i> ...	1	11
	<i>Heracleum</i> ...	1	11
	<i>Daucus</i> ...	1	11
	<i>Torilis</i> ...	1	11
	<i>Scandix</i> ...	1	11
	<i>Anthriscus</i> ...	2	11
	<i>Chærophyllum</i> ...	1	11
	<i>Myrrhis</i> ...	1	11
<i>Araliaceæ</i> 2.	<i>Adoxa</i> ...	1	14
	<i>Hedera</i> ...	1	10
<i>Corneæ</i> 2.	<i>Cornus</i> ...	2	7
<i>Caprifoliaceæ</i> 5.	<i>Sambucus</i> ...	2	11
	<i>Viburnum</i> ...	1	11
	<i>Lonicera</i> ...	1	10
	<i>Linnæa</i> ...	1	20
<i>Rubiaceæ</i> 10.	<i>Galium</i> ...	8	6
	<i>Sherardia</i> ...	1	6
	<i>Asperula</i> ...	1	6
<i>Valerianeæ</i> 3.	<i>Valeriana</i> ...	1	2
	<i>Fedia</i> ...	2	2
<i>Dipsaceæ</i> 3.	<i>Dipsacus</i> ...	1	6
	<i>Scabiosa</i> ...	1	6
	<i>Knautia</i> ...	1	6
<i>Compositæ</i> 58.	<i>Tragopogon</i> ...	1	23
	<i>Apargia</i> ...	1	23
	<i>Hypochaeris</i> ...	2	24
	<i>Crepis</i> ..	2	24
	<i>Sonchus.</i> ...	2	24
	<i>Leontodon</i> ...	1	24
	<i>Hieracium</i> ...	7	24
	<i>Lapsana</i> ...	2	24
	<i>Cichorium</i> ...	1	24
	<i>Arctium</i> ...	1	24
	<i>Carduus</i> ...	3	24
	<i>Cnicus</i> ...	4	24

Orders and No. of Species.	Genera.	No. of Species.	Page.
<i>Compositæ</i> 58.—	Bidens ... Eupatorium ... Tanacetum ... Artemisia ... Gnaphalium ... Filago ... Petasites ... Tussilago. Aster ... Senecio ... Solidago ... Doronicum ... Bellis ... Chrysanthemum ... Pyrethrum ... Anthemis ... Achillæa ... Centaurea ...	1 1 1 1 4 2 1 1 1 5 1 1 1 2 2 1 2 3	24 24 24 24 25 25 25 25 25 25 25 25 25 25 25 25 25
<i>Campanulaceæ</i> 4.—	Campanula ... Jasione ... Lobelia ...	2 1 1	10 10 10
<i>Vaccinieæ</i> 4.—	Vaccinium ...	4	13
<i>Ericæ</i> 6.—	Erica ... Calluna ... Azalea ... Arbutus ...	2 1 1 2	13 13 9 15
<i>Monotropeæ</i> 5.—	Pyrola ...	5	14
<i>Ilicineæ</i> 1.—	Ilex ...	1	7
<i>Jasmineæ</i> 2.—	Ligustrum ... Fraxinus ...	1 1	1 2
<i>Apocynæa</i> 1.—	Vinca ...	1	9
<i>Gentianeæ</i> 5.—	Erythraea ... Gentiana ... Menyanthes ...	2 2 1	9 9 9
<i>Polygoniaceæ</i> 1.—	Polemonium ...	1	9
<i>Convolvulaceæ</i> 2.—	Convolvulus ...	2	9
<i>Boragineæ</i> 15.—	Echium ... Pulmonaria ... Lithospermum ... Symphytum ... Borago ... Lycopsis ... Anchusa ... Myosotis ... Asperugo ... Cynoglossum ...	1 1 3 1 1 1 1 4 1 1	8 8 8 8 8 8 8 8 8
<i>Solanæa</i> 4.—	Datura ... Hyoscyamus ... Solanum ... Atropa ...	1 1 1 1	9 9 9 9
<i>Scrophulariæ</i> .. 26.—	Veronica ... Bartsia ... Euphrasia ... Rhianthus ... Melampyrum ...	12 1 1 2 2	1 20 20 20 20

Orders and No. of Species.	Genera.	No. of Species.	Page.
<i>Scrophularineæ</i> ... 26.—	Pedicularis ...	2	20
	Linaria ...	3	20
	Scrophularia ...	1	20
	Digitalis ...	1	20
	Verbascum ...	1	9
<i>Labiatae</i> 30.—	Lycopus ..	1	2
	Mentha ...	6	19
	Thymus ...	1	19
	Origanum ...	1	19
	Teucrium ...	1	19
	Ajuga ...	2	19
	Leonurus ...	1	19
	Galeopsis ...	3	19
	Lamium ...	4	19
	Stachys ...	4	19
	Glechoma ...	1	19
	Marrubium ...	1	19
	Acinos ...	1	19
	Clinopodium ...	1	20
	Prunella ...	1	20
	Scutellaria ...	1	20
<i>Lentibulariæ</i> 5.—	Pinguicula ...	2	2
	Utricularia ...	3	2
<i>Primulaceæ</i> 9.—	Anagallis ...	2	8
	Lysimachia ...	1	8
	Primula ...	2	8
	Centunculus ...	1	7
	Trientalis ...	1	13
	Samolus ...	1	10
	Glaux ...	1	10
<i>Plumbagineæ</i> 1.—	Statice ...	1	11
<i>Plantagineæ</i> 5.—	Plantago ...	4	6
	Littorella ...	1	28
<i>Chenopodeæ</i> 7.—	Chenopodium ...	3	11
	Atriplex ...	2	29
	Salsola ...	1	11
	Salicornia ...	1	1
<i>Polygonaceæ</i> 16.—	Polygonum ...	8	14
	Rumex ...	7	13
	Oxyria ...	1	13
<i>Emptreeæ</i> 1.—	Empetrum ...	1	28
<i>Euphorbiaceæ</i> 4.—	Mercurialis ...	1	29
	Euphorbia ...	3	26
<i>Urticeæ</i> 4.—	Urtica ...	2	28
	Parietaria ...	1	7
	Humulus ...	1	29
<i>Ulmaceæ</i> 1.—	Ulmus ...	1	11
<i>Amentaceæ</i> 25.—	Betula ...	2	28
	Alnus ...	1	28
	Salix ...	15	28
	Populus ...	3	29
	Fagus ...	1	28
	Quercus ...	1	28
	Corylus ...	1	28
	Carpinus ...	1	28

Orders and No. of Species.	Genera.	No. of Species.	Page.
<i>Myriceæ</i>	1.— <i>Myrica</i> ..	1	28
<i>Coniferæ</i>	3.— <i>Pinus</i> ..	1	28
	Juniperus ..	1	29
	Taxus ..	1	29

Class II.—MONOCOTYLEDONOUS PLANTS.

Orders and No. of Species.	Genera.	No. of Species.	Page.
<i>Alismaceæ</i>	2.— <i>Alisma</i> ..	2	13
<i>Juncagineæ</i>	2.— <i>Triglochin</i> ..	2	13
<i>Aroideæ</i>	5.— <i>Arum</i> ..	1	28
	<i>Typha</i> ..	1	26
	<i>Sparganium</i> ..	3	26
<i>Pistiaæ</i>	1.— <i>Lemna</i> ..	1	2
<i>Naiades</i>	10.— <i>Potamogeton</i> ..	8	7
	<i>Zostera</i> ..	1	26
	<i>Ruppia</i> ..	1	7
<i>Smilaceæ</i>	4.— <i>Ruscus</i> ..	1	28
	<i>Convallaria</i> ..	2	12
	<i>Paris</i> ..	1	14
<i>Asphodeleæ</i>	5.— <i>Allium</i> ..	2	12
	<i>Gagea</i> ..	1	12
	<i>Scilla</i> ..	1	12
	<i>Hyacinthus</i> ..	1	12
<i>Melanthaceæ</i>	1.— <i>Tofieldia</i> ..	1	13
<i>Junceæ</i>	19.— <i>Juncus</i> ..	13	12
	<i>Luzula</i> ..	5	13
	<i>Narthecium</i> ..	1	12
<i>Orchidæ</i>	12.— <i>Goodyera</i> ..	1	26
	<i>Listera</i> ..	2	26
	<i>Epipactis</i> ..	1	26
	<i>Orchis</i> ..	3	25
	<i>Gymnadenia</i> ..	1	25
	<i>Habenaria</i> ..	3	25
	<i>Malaxis</i> ..	1	26
<i>Irideæ</i>	1.— <i>Iris</i> ..	1	2
<i>Amaryllideæ</i>	2.— <i>Narcissus</i> ..	1	12
	<i>Galanthus</i> ..	1	12
<i>Gramineæ</i>	59.— <i>Anthoxanthum</i> ..	1	2
	<i>Nardus</i> ..	1	3
	<i>Alopecurus</i> ..	3	3
	<i>Phalaris</i> ..	1	3
	<i>Ammophila</i> ..	1	3
	<i>Phleum</i> ..	2	3
	<i>Milium</i> ..	1	3
	<i>Agrostis</i> ..	3	4
	<i>Catabrosa</i> ..	1	4
	<i>Aira</i> ..	5	4
	<i>Melica</i> ..	3	4
	<i>Holcus</i> ..	2	4
	<i>Arrhenatherum</i> ..	1	4
	<i>Poa</i> ..	6	4
	<i>Triodia</i> ..	1	4

Orders and No. of Species.	Genera,	No. of Species.	Page.
<i>Gramineæ</i> 59.—	Briza ..	1	4
	Dactylis ..	1	4
	Cynosurus ..	1	4
	Festuca ..	6	5
	Bromus ..	5	5
	Avena ..	4	5
	Arundo ..	1	5
	Elymus ..	1	5
	Hordeum ..	1	5
	Triticum ..	3	5
	Brachypodium ..	1	6
	Lolium ..	2	6
<i>Cyperaceæ</i> 46.—	Schoenus ..	1	2
	Rhynchospora ..	1	3
	Scirpus ..	2	3
	Blysmus ..	1	3
	Eleocharis ..	5	3
	Eriophorum ..	2	3
	Carex ..	34	26

Class III.—ACOTYLEDONOUS PLANTS.

Orders and No. of Species.	Genera,	No. of Species.	Page.
<i>Filices</i> 32.—	Polypodium ..	3	29
	Aspidium ..	5	29
	Cistopteris ..	1	29
	Asplenium ..	6	29
	Scolopendrium ..	1	29
	Pteris ..	1	29
	Blechnum ..	1	29
	Botrychium ..	1	30
	Ophioglossum ..	1	30
	Lycopodium ..	6	30
	Pilularia ..	1	30
	Equisetum ..	5	30

F I N I S.

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