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Curtis, William

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C A T A L O G U E

Of certain Plants, growing wild, chiefly in the Environs of SETTLE, in Yorkshire, observed by *W. Curtis*, in a Six Weeks Botanical Excursion from London, made at the Request of *J. C. LETTSOM, M. D. F. R. S. &c.* in the Months of July and August, 1782.

1. *Hippuris vulgaris.* *Mare's-tail.*
Limnopeuce. *Raii Syn. ed. 2. p. 136.*
In the lakes on *Brigstear Moss*, about four miles from *Kendal* plentifully.
2. *Ligustrum vulgare.* *Privet.*
Raii Syn. p. 465.
In *Grass Wood*, near *Grassington*, about two miles from *Kilnsay*, not uncommon.
3. *Pinguicula vulgaris.* *Common Butterwort.*
Pinguicula Gessneri. *Raii Syn. p. 281.*
Common on every Bog.
4. *Utricularia vulgaris.* *Common-hooded Milfoil.*
Lentibularia. *Raii Syn. p. 286.*
In the greatest plenty with N^o 1. flowers in *August*.
5. *Schœnus Mariscus.* *Long-rooted Bastard Cyperus.*
Cyperus longus inodorus sylvestris. *Raii Syn. p. 426.*
On the edge of *Conzie Tarn*, or Lake, about two miles from *Kendal*, in the greatest abundance, and highest perfection, some of the flowering stems growing to the height of four or five feet.
6. *Schœnus nigricans.* *Black Bog-rush.*
Juncus lævis minor panicula glomerata nigricante.
Raii Syn. p. 430.
Plentifully on a Bog in *Skirrith Wood*, near *Ingleton*, and most other Bogs in the North.
7. *Schœnus compressus.* *Flat-headed Bog-rush.*
Gramen cyperoides spica simplici compressa disticha.
Raii Syn. p. 425.
Not uncommon in wet boggy places about *Ingleton*, *Settle*, &c.; near *Giggleswick Tarn* in plenty; flowers in *August*.
8. *Schœnus albus.* *White Bog-rush.*
Cyperus minor palustris hirsutus paniculis allis paleacis. *Raii Syn. p. 427.*
On *Brigstear Moss*, n. 1. in abundance.
9. *Scirpus cespitosus.* *Heath Club-rush.*
Scirpus montanus capitulo breviori. *Raii Syn. p. 429.*
Frequent on Moors, amongst the Heath or Ling.
10. *Scirpus acicularis.*
Scirpus minimus capitulis equiseti. *Raii Syn. p. 429.*
On the edge of a rivulet near *Giggleswick Tarn*, which runs from the ebbing and flowing Well.
11. *Eriophorum vaginatum.* *Single-headed Cotton-grass.*
Juncus alpinus cum cauda leporina. *Raii Syn. p. 436.*
On Peat Bogs frequent, in the ascent to *Ingleborough Hill*.
12. *Melica Montana.* *Mountain Melic Grass.*
In *Skirrith Wood*, near *Ingleton*, and in *Grass Wood*, near *Kilnsay*, not uncommon.
13. *Festuca ovina var. vivipara.* *Viviparous Sheep's Fescue-grass.*
Gramen sparteum montanum spica foliacea graminea majus et minus. *Raii Syn. p. 410.*
On the crags near the summit of *Ingleborough*, and and on the rocks of *Longsledale*, about ten miles from *Kendal*, plentifully.
14. *Festuca elatior.* *Tall Fescue-grass.*
Gramen arundinaceum aquaticum panicula avenacea.
Raii Syn. p. 511.
On the sides of the river *Ribble*, near *Settle*, plentifully.
15. *Bromus giganteus.* *Tall Brome-grass.*
Gramen avenaceum glabrum, panicula e spicis raris strigosis composita, aristis tenuissimis. *Raii Syn. p. 415.*
Plentifully under the stone walls in the road from *Settle* to *Giggleswick*, and elsewhere.
16. *Bromus hirsutus.* *Hairy-stalked Brome-grass, Fl. Lond.*
Gramen avenaceum dumetorum panicula sparsa.
Raii Syn. p. 51. nemoralis, Hudson. Fl. Angl.
Not uncommon in the woods and hedges in Yorkshire, especially about *Carrend Wensleydale*.
17. *Triticum caninum.* *Bearded Wheat-grass.*
Gramen caninum aristatum radice non repente. *Raii Syn. p. 58.*
Plentiful with the last mentioned grass.
18. *Cynosurus cœruleus.* *Blue Dog's-tail grass.*
Gramen parvum montanum spica crassiore purpureo cœruleo brevi. *Raii Syn. p. 399.*
There is no character in this grass which would induce one to consider it as a *Cynosurus*. Several Botanists of the first eminence make a distinct genus of it, and apparently with much propriety. I first found it on the rocks near *Settle*, and afterwards on the rocks and tops of the hills generally in the North. From its being in seed when I discovered it, which was the latter end of *July*, it must be one of the earliest grasses in flower; and of all that I have ever seen is by far the most hardy. The *Poa pratensis*, in this respect, approaches the nearest to it, and is very similar in its foliage.
The Botanist and the Farmer are both interested in the further investigation of this alpine plant.
19. *Scabiosa columbaria.* *Mountain Scabious.*
Scabiosa minor vulgaris. *Raii Syn. p. 191.*
Frequent on all the lime-stone rocks.
20. *Plantago maritima.* *Sea Plantain.*
Plantago, an alpina angustifolia. *Raii Syn. p. 315.*
I found this plant very unexpectedly in the road leading from *Kilnsay* to *Arncliffe*, in great abundance; and afterwards discovered it on the sides of many of the mountains thereabouts. I could discover no difference betwixt it and the Sea Plantain growing at *Gravesend*.
21. *Sanguisorba officinalis.* *Great or Meadow Burnet.*
Sanguisorba major flore spadiceo. *Raii Syn. p. 203.*
Common in most of the pastures; in some of which it is the principal plant. The farmers were much divided in their opinions respecting its goodness. It produces a large, but late crop; grows frequently

- quently to the height of four or five feet; but its stalks are hard, and apparently unfit for fodder. Some have suspected this was the species recommended to have been cultivated some years since; but Dr. WATSON, whose authority will not be disputed, assures me, it was the lesser Burnet, whose chief excellence consists in affording foliage early in the spring, a property the present plant cannot boast of.
22. *Asperula Cynanchica*. Squinancy-wort.
Rubeola vulgaris quadrifolia laevis, floribus purpurantibus. *Raii Syn.* p. 225.
On the lime-stone hills about *Conzic*, near *Kendal*.
23. *Galium montanum*. Mountain Ladies Bed-straw.
Mollugo montana minor Gallio albo similis. *Raii Syn.* p. 224.
The most general plant on all the Northern mountains. The summit of *Ingleborough* is principally covered with it and the *Fucus squarrosus*.
24. *Galium boreale*. Cross-leaved Ladies Bed-straw.
Mollugo montana erecta quadrifolia. *Raii Syn.* p. 221.
Plentiful on the hills betwixt *Kilnsay* and *Grass Wood*, more especially among some rocks in *Grass Wood*.
25. *Alchemilla vulgaris*. Common Ladies Mantle.
Alchimilla, *Raii Syn.* p. 158.
There is scarce a pasture or moist bank in Yorkshire on which this pretty plant does not occur.
26. *Alchemilla alpina*. Mountain Ladies Mantle.
Alchimilla alpina pentaphyllos. *Raii Syn.* p. 158.
This species, which far excels the other in beauty, is by no means so frequent. I first found it on a hill called *Lime-stone Knot*, in *Long Sedale*, a place mentioned by *WILSON*, in his *Synopsis*, further on in *Long Sedale*, or, as it is there called, *Long Seddel*, on the high and romantic rocks about *Buckbarrow Well* the Botanist will find it in abundance.
27. *Potamogeton setaceum*. Setaceous Pond-weed.
In the ditches on *Brigstear Moss*, with the *Utricularia* plentifully.
28. *Anchusa sempervirens*. Ever-green Alkanet.
Buglossum latifolium sempervirens. *Raii Syn.* p. 227.
From the paucity of places in which this plant was said to have been found wild, and the suspicion which rested on some of those, I had entertained doubts of its being a native of this country: those were entirely removed on my finding it tolerably plentiful in the lanes about *Giggleswick*, and in the road between *Settle* and *Ingleton*.
29. *Primula farinosa*. Birds Eye.
Verbasculum umbellatum alpinum minus. *Raii Syn.* p. 285.
Grows every where with the *Pinguicula*. A variety, with white blossoms, has not unfrequently been found; in a Bog in *Skirritb Wood*, near *Ingleton*, I gathered specimens a foot and a half high.
30. *Anagallis tenella*. Bog Pimpernel.
Nummularia minor flore purpurascente. *Raii Syn.* p. 283.
Common on the Bogs. The largest and finest plants I ever saw of this species, grew in a bog betwixt *Kendal* and *Long Sedale*.
31. *Polemonium caeruleum*. Jacob's Ladder.
Polemonium vulgare caeruleum et album. *Raii Syn.* p. 288.
In tolerable plenty at *Malham*, or, as it is there called, *Maum Cove*, by the side of the rivulet which springs from the base of that stupendous rock. I found this plant also in much greater plenty in *Conistone Dib*, in a low wood, under shelter of some high and romantic rocks, a situation it seems to affect. Also on *Arnber Scar*, on the left-hand between *Kilnsay* and *Arncliffe*.
32. *Samolus valerandi*. Water Pimpernel.
Samolus valerandi. *Raii Syn.* 283.
Observed a few specimens on *Brigstear Moss*.
33. *Campanula latifolia*. Giant Bell-flower.
Campanula maxima foliis latissimis. *Raii Syn.* p. 276.
Extremely common about *Settle* and elsewhere, under the stone-walls and hedges. The country people improperly call them Fox-gloves.
34. *Ribes rubrum*. Common Currants.
Ribes vulgaris flore rubro. *Raii Syn.* p. 456.
On the edges of the wet ditches, and in the Woods about *Carr End*, *Wensleydale*.
35. *Gentiana amarella*. Autumnal Gentian.
Gentianella pratensis flore lanuginosa. *Raii Syn.* p. 275.
Common on lime-stone hills and pastures.
36. *Ulmus campestris* var. γ *Hudson*. Wych Elm.
Ulmus folio latissimo scabro. *Raii Syn.* p. 469.
Common in Hedges and Woods. It is much superior in size and beauty to the common Elm, and deserves to be more generally cultivated.
37. *Oenanthe crocata*. Hemlock-water Drop-wort.
Oenanthe cicutæ facie lobelii. *Raii Syn.* p. 210.
In the wet ditches betwixt *Kendal* and *Long Sedale*, and in similar situations, in many parts of Yorkshire.
38. *Scandix odorata*. Sweet Cicely.
Cerofolium magnum sive Myrrhis. *Ger. emac.* p. 1039.
This plant is not mentioned by Mr. RAY in his *Synopsis*; and Mr. HUDSON introduces it as a doubtful native. The situations in which I found it clearly convinced me, it had a good title to be considered as a native of Great Britain; and I was confirmed in my opinion by the common people, who find it wild in many places in the greatest plenty, and call it by the name of *Sweet-cifs*, an abbreviation of *Cicely*. They rub their furniture with it, to give it a gloss. It is common under the stone-walls about *Settle*, at the entrance into *Kilnsay*, and in *Whitfell Gill*, near *Askrig*.
39. *Pimpinella Saxifraga*. Burnet Saxifrage.
Pimpinella saxifraga minor, foliis sanguisorbæ. *Raii Syn.* p. 213.
Very frequent in the fissures of the Lime-stone Rocks about *Settle*.
40. *Parnassia palustris*. Grass of Parnassus.
Parnassia vulgaris et palustris. *Raii Syn.* p. 555.
Very common in Bogs and wet Meadows.
41. *Drosera rotundifolia*. Round-leaved Sun-dew.
Ros solis folio rotundo. *Raii Syn.* p. 356.
42. *Drosera longifolia*. Long-leaved Sun-dew.
Ros solis folio oblongo. *Raii Syn.* p. 356.
I found these two species plentifully in the North; but no where in greater plenty, or perfection, than on *Brigstear Moss*, near *Kendal*, where they grow to twice or thrice the size they usually acquire with us; but in other respects appeared to me to afford no truly specific character. It is very probable, that the three species enumerated in RAY, in addition to the above, will be found to be varieties only.
43. *Allium arenarium?* Sand Garlic.
Allium sylvestre ampicarpon foliis porraceis, floribus et nucleis purpureis. *Raii Syn.* p. 370.
44. *Allium oleraceum?* Herbaceous Garlic.
Allium sylvestre bicorne flore ex herbaceo albicante cum triplici in singulis petalis stria atro-purpurea. *Raii Syn.* p. 370.
These two species of Garlic being out of flower when discovered, I dare not be positive about them. The first grew sparingly, in a pasture at the back of the stables belonging to the *Dun Horse*, *Ingleton*, kept by Mr. *Warner*, at whose house every traveller finds himself at home. The latter grew also sparingly among rocks, in the *Girling Trough*, near *Conistone*, *Kilnsay*.
45. *Anthericum ossifragum*. Lancashire Asphodel.
Phalangium anglicum palustre Iridis folio. *Raii Syn.* p. 375.

Extremely

- Extremely common in all Bogs and moorish Grounds, which in July and August are beautifully decorated with its blossoms.
46. *Convallaria Polygonatum*. Sweet Solomon's Seal. *Polygonatum floribus ex singularibus pediculis*. Raii Syn. p. 263. In the rocky part of Sykes Wood, near Ingleton, sparingly.
47. *Fucus sylvaticus*. Great hairy Wood Rush. *Gramen nemorosum hirsutum latifolium maximum*. Raii Syn. p. 416. In Whitfell Gell, near Askrig, plentifully: also near the bottom of a mountain called the Rye-loaf, near Settle, where no wood was growing, but probably had grown.
48. *Triglochin palustre*. Arrow-headed grass. Common in marshy places.
49. *Rumex digynus*. Mountain Sorrel. *Acetosa rotundifolia repens Eboracensis, folio in medio deliquium patiente*. Raii Syn. p. 143. Found sparingly in the spot mentioned by RAY, close by Buckbarrow Well, in Longsledale, on the edge of a deep rivulet abounding in waterfalls. The *Rumex scutatus* of LINNÆUS is very common in the gardens in Yorkshires: I have sometimes seen it in situations which have tempted me to think it an indigenous plant.
50. *Colchicum autumnale*. Meadow Saffron. *Colchicum commune*. Raii Syn. p. 373. Not uncommon in the meadows in Yorkshires. I found it in a pasture close by Milscur Lush, near Kilnsay, Mr. WM. FOTHERGILL, of Carr End, informed me, that it grew plentifully in a meadow near West Witton, Wensleydale.
51. *Alisma ranunculoides*. Small Water Plantain. *Plantago aquatica minor*. Raii Syn. p. 357. In Giggleswick Tarn plentifully.
52. *Epilobium angustifolium*. Rose-bay Willow-herb. *Lyfimachia speciosa quibusdam Onagra dicta filiquosa*. Raii Syn. p. 310. In Grass Wood, near Kilnsay, among the rocks, plentifully in one particular spot.
53. *Epilobium alpinum*. Alpine Willow-herb. *Lyfimachia filiquosa glabra minor latifolia*. Raii Syn. p. 311. On the moist rocks about Buckbarrow Well.
54. *Vaccinium Myrtillus*. Blea-berry. *Vitis idæa angulosa*. Raii Syn. p. 457. Common on all the Heaths, Rocks, and Mountains.
55. *Vaccinium Vitis idæa*. Red Bil-berry. *Vitis idæa sempervirens fructu rubro*. Raii Syn. p. 457. Not uncommon on Heaths, yet seldom found in blossom.
56. *Vaccinium Oxycoccus*. Cran-berry. *Oxycoccus s. Vaccinia palustris*. Raii Syn. p. 267. Frequent on the boggy mosses about Settle, Kendal, and elsewhere in the North.
57. *Polygonum viviparum*. Viviparous Bistort. *Bistorta minor*. Raii Syn. p. 147. On the edge of Semer Water, an extensive tarn at Carr End, Wensleydale.
58. *Paris quadrifolia*. Herb Paris, or True-love. *Herba Paris*. Raii Syn. p. 264. In Kelkoe Wood, near Settle, and most of the woods thereabout.
59. *Pyrola rotundifolia*. Common Winter-green. In the enchanting woods of Hackfall, near Grewelthorpe, in tolerable plenty. Sparingly in Raydale Wood, near Carr End, Wensleydale; also in Tenants Wood, near Kilnsay.
60. *Saxifraga stellaris*. Hairy Kidney-wort. *Geum palustre minus foliis oblongis crenatis*. Raii Syn. p. 354. Not uncommon on the moist rocks and boggy ground about Buckbarrow Well, Longsledale; a few plants in blossom, but mostly in seed.
61. *Saxifraga oppositifolia*. Purple Saxifrage. *Saxifraga alpina ericoides, flore cæruleo*. Raii Syn. p. 353. On the craggy rocks of Ingleborough and Pennigent plentifully, in particular spots.
62. *Saxifraga autumnalis*. Autumnal Saxifrage. *Saxifraga alpina angustifolia, flore luteo guttato*. Raii Syn. p. 353. On the moist rocks of Ingleborough sparingly. In the greatest plenty in Longsledale; also in Whitfell Gill, near Askrig, most beautifully in blossom.
63. *Saxifraga hypnoides*. Trifid Saxifrage — Ladies Cushion. *Saxifraga muscosa trifido folio*. Raii Syn. p. 354. On the mountains about Settle plentifully, and most of the mountains in the North.
64. *Arenaria verna*. Mountain Sandwort or Chickweed. *Alfina pusilla pulchro flore folio tenuissimo nostras*. Raii Syn. p. 351. Generally with the last mentioned plant. I always found it a sure indication of elevated ground.
65. *Sedum anglicum*. English Stonecrop. *Sedum minimum non acre flore albo*. Raii Syn. p. 271. On some rocks in Longsledale, on the left hand side going down the vale; observed it on a few rocks only.
66. *Sedum villosum*. Hairy Stonecrop. *Sedum purpureum pratense*. Raii Syn. p. 270. On the side of Ingleborough sparingly, in the Bogs where the springs originate; but in much greater plenty in similar situations about Carr End, Wensleydale.
67. *Spergula nodosa*. Knotted Spurrey. *Alfina palustris foliis tenuissimis, seu Saxifraga palustris anglica*. Raii Syn. p. 350. Common on the Bogs about Settle, and similar situations in the North.
68. *Prunus Padus*. Bird Cherry. *Cerasus avium nigra et racemosa*. Raii Syn. p. 463. In the woods about Ingleborough, and elsewhere in the North, plentifully.
69. *Crataegus Aria*. White Beam Tree. *Mespilus alni folio subtus incano, Aria Theophrasti dicta*. Raii Syn. p. 453. Common in the mountainous woods in the North; loves a dry situation.
70. *Rosa villosa*. Apple Rose. *Rosa sylvestris pomifera major nostras*. Raii Syn. p. 454. In Grass Wood, near Kilnsay, and in several other woods.
71. *Rubus idæus*. Raspberry. *Rubus Idæus spinosus fructu rubro*. Raii Syn. p. 467. Plentiful in the above mentioned wood.
72. *Rubus saxatilis*. Stone Bramble. Not unfrequent in the mountainous woods about Settle and Ingleton; but no where in greater perfection than near the summit of Helsfeltnab, near Kendal.
73. *Rubus Chamæmoros*. Cloud-berry. *Chamæmoros*. Raii Syn. p. 260. On the sides of the highest mountains about Settle and Ingleton, especially on the Rye-loaf, within a few miles of the former, where I gathered its berries in the greatest perfection, and found the caterpillar of the Emperor Moth (*Phalæna pavonia*) feeding on its foliage.
74. *Potentilla verna*. Spring Cinquefoil. *Pentaphyllum parvum hirsutum*. Raii Syn. p. 255. My very obliging friend Mr. WM. FOTHERGILL, of Carr End, shewed me this plant growing sparingly on an old stone-wall at Carlow-nick, adjoining the west-end of the Crag Pasture, about half a mile from Carr End. I have the best authority for believing, that the *Potentilla opaca* of Mr. HUDSON is no other than this plant.
75. *Geum rivale*. Water Avens. *Caryophyllata montana purpurea*. Raii Syn. p. 253. In the Pastures, Woods, &c. about Settle and elsewhere much more common than the *urbanum* is with us.

76. *Dryas octopetala*. Mountain Dryas.
Caryophyllata alpina chamædryos folio. *Raii Syn.* p. 253.
This beautiful plant, heretofore known to be only a native of Scotland and Ireland, I found plentifully in seed on *Arncliffe Clouder*, a mountain within half a mile of *Arncliffe*, in *Littendale*, a few miles from *Kilnsay*.
77. *Comarum palustre*. Marsh-cinquefoil.
Pentaphylloides palustre rubrum. *Raii Syn.* p. 256.
In *Giggleswick Tarn*, near *Settle*, plentifully, and other marshy places.
78. *Actæa spicata*. Herb Christopher, or Bane-berry.
Christophoriana. *Raii Syn.* 262.
I am indebted to Mr. W. M. FOTHERGILL, before-mentioned, for pointing out to me a most delightful herborizing spot, viz. a Glen or Gill, called *Whitfell Gill*, or *Arthur Foss*, situated within a small distance of *Askrig*. In this sheltered valley, ornamented with an enchanting water-fall, many rare plants grew in the utmost luxuriance. Here I found, in abundance, this poisonous plant lurking, and half concealing its dark glossy berries, not unaptly resembling those of coffee, but more beautiful, and within reach of my arm, around one plant of it, the following, viz. *Scandix odorata*, *Saxifraga autumnalis*, *Ribes rubrum*, *Rubus idæus*, *Rubus saxatilis*, *Prunus Padus*, *Juncus sylvaticus*. What a treat for a Botanist! What a recompence for one of the roughest journies over *Cam*, perhaps, ever experienced! August 16.
79. *Aquilegia vulgaris*. Common Columbine.
Aquilegia. *Raii Syn.* p. 273.
Found among some lime-stones on the upper part of the *Girling Trough*, near *Conistone*, *Kilnsay*, out of bloom. It possibly might be the *alpina*.
80. *Thalictrum minus*. Lesser Meadow-Rue.
Thalictrum minus. *Raii Syn.* p. 203.
In *Skirrieth Wood*, near *Ingleton*, sparingly. In great plenty on the mountainous ground about *Kilnsay* and many other places in the north.
81. *Trollius europæus*. Globe-flower, Locker-gowllons.
Ranunculus globosus. *Raii Syn.* p. 272.
In *Skirrieth Wood*, and the moist woods about *Settle*, in great abundance.
83. *Galeopsis tetrahit* var. 3. Nettle Hemp.
Lamium cannabino folio, flore amplo luteo; labio purpureo. *Raii Syn.* p. 241.
This elegant variety is found sparingly in the Corn-fields about *Settle*.
83. *Draba muralis*. Speed-well-leaved Whitlow-grass.
Bursa pastoris major loculo oblongo. *Raii Syn.* p. 292.
On *Arnber Scar*, near *Arncliffe*, in *Littendale*, and at *Malham Cove*, sparingly.
84. *Draba incana*. Wreathen-podded Whitlow-grass.
Lunaria contorta major. *Raii Syn.* p. 291.
Very common on the rocks about *Settle*, and similar situations elsewhere.
85. *Thlaspi montanum*. Mountain Thlaspi.
Thlaspi foliis globulariæ. *Raii Syn.* p. 305.
On the mountainous pastures in the road from *Settle* to *Malham*, within about half a mile of the Tarn, plentifully, with the *Arenaria verna*, mostly in seed. I sought for it in vain in the pastures about the ebbing and flowing well.
86. *Cochlearia officinalis*. Common Scurvy-grass.
Cochlearia. *Raii Syn.* p. 302.
Common by the river *Ribble*, near *Settle*, and on the mountains thereabout. In the latter situation it is very dwarfish, and is the *grælandica* of LINNEUS.
87. *Turritis hirsuta*. Hairy Tower Mustard.
Turritis muralis minor. *Raii Syn.* p. 294.
On old castles, walls, and rocks, about *Settle* and *Ingleton*, common.
88. *Cardamine impatiens*. Impatient Ladies-Smock.
Cardamine impatiens, vulgo sium minus impatiens. *Raii Syn.* p. 299.
On *Giggleswick Scar* sparingly, in seed.
89. *Geranium sylvaticum*. Wood Cranebill.
Geranium batrachoides montanum nostras. *Raii Syn.* p. 360.
In the woods and pastures about *Settle* and *Ingleton* not uncommon; also in *Longsledale*; and about *Carr End*, Mr. W. FOTHERGILL informs me, it is so common as to empurple the pastures when in full bloom.
90. *Geranium sanguineum*. Bloody Cranebill.
Geranium hæmatodes. *Raii Syn.* p. 360.
In rocky mountainous woods very common, as in *Kelkoe Wood*, near *Settle*, in *Grass Wood*, and in the road from thence to *Kilnsay*, in the greatest plenty.
91. *Geranium columbinum*. Long-stalked Cranebill.
Geranium columbinum, dissectis foliis, pediculis florum longissimis. *Raii Syn.* p. 359.
92. *Geranium lucidum*. Shining Cranebill.
Geranium saxatile. *Raii Syn.* p. 361.
Common on the stone-fences about *Settle* and elsewhere.
93. *Fumaria claviculata*. Climbing Fumitory.
Fumaria alba latifolia. *Raii Syn.* p. 335.
Plentifully on a thatched Farm-house in *Longsledale*, on the left-hand side, going down the vale.
94. *Vicia sylvatica*. Wood Vetch.
Vicia sylvatica multiflora. *Raii Syn.* p. 322.
I found one root only of this beautiful plant in full blossom in *Skirrieth Wood*, near *Ingleton*.
95. *Hippocrepis comosa*. Horse-shoe Vetch.
Ferrum equinum germanicum siliquis in summitate. *Raii Syn.* p. 321.
Grows in abundance out of the lime-stone rocks, near *Giggleswick*, *Settle*, and *Kilnsay*.
96. *Trifolium alpestre*. Long-leaved Clover.
Trifolium purpureum majus, foliis longioribus et angustioribus, floribus saturationibus. *Raii Syn.* p. 328.
In *Skirrieth* and other mountainous woods and pastures in the North, most plentifully.
97. *Hypericum montanum*. Mountain St. John's Wort.
Hypericum elegantissimum non ramosum folio lato. *Raii Syn.* p. 343.
In *Syke's Wood*, near *Ingleton*, and other mountainous woods, not uncommon.
98. *Hieracium murorum*. Wall Hawkweed, or Golden Lung-wort.
Hieracium murorum folio pilosissimo. *Raii Syn.* p. 168.
On the rocks near the water-fall at *Aysgarth Force*, and, if I mistake not, on *Kilnsay Crag*.
99. *Hieracium subaudum*. Shrubby Hawkweed.
Hieracium fruticosum latifolium hirsutum. *Raii Syn.* p. 167.
This plant, in its usual state is extremely common. A variety, whose leaves are spotted with red, and which is sometimes mistaken for the *Hypochaeris maculata*, is frequent on the rocks in *Grass Wood* and at *Gordel*.
100. *Carduus benedictus*. Melancholy Thistle.
Cirsium britannicum Clusii repens. *Raii Syn.* p. 193.
In a coppice near *Giggleswick* and in *Skirrieth Wood*, plentifully. In the pastures about *Bordley*, near *Malham*, so plentiful as to empurple the pastures, so striking in its foliage, and so noxious in its effects, as to attract the notice of the husbandmen, who call them *White-backs*.
101. *Viola palustris*. Marsh Violet.
Viola palustris rotundifolia glabra. *Raii Syn.* p. 364.
In *Giggleswick Tarn*, and other marshy situations, common.
102. *Viola grandiflora*. Yellow Pansie.
Viola montana lutea grandiflora nostras. *Raii Syn.* p. 356.
In mountainous pastures frequent, about *Attamire Cliffs*, near *Settle*.

103. *Orchis bifolia*. *Butterfly Orchis*.
Orchis alba bifolia minor calcare oblongo. *Raii Syn.* 380.
 In the hilly pastures above *Stackhouse* and on *Mill Island*, near *Settle*, plentifully, and in many other pastures, fully blown.
104. *Orchis conopsea*. *Sweet Orchis*.
Orchis palmata rubella cum longis calcaribus rubellis. *Raii Syn.* 380.
 On *Mill Island* and most of the pastures with the former, fully blown.
105. *Satyrion viride*. *Frog Orchis*.
Orchis palmata minor flore luteo-viridi. *Raii Syn.* 381.
 Frequent on the most hilly pastures about *Settle*, in full bloom.
106. *Ophrys muscifera*. *Fly Orchis*.
Orchis myodes galea et alis herbidis. *Raii Syn.* 399.
 On the hilly lime-stone pastures at *Stackhouse*, near *Settle*, plentifully; in *Skirritb Wood*, sparingly. Mr. ROBERT KIDD, of *Ashton* near *Gargrave*, shewed me one he had gathered in a wild state, two feet and a quarter high, with fourteen blossoms on it. He also shewed me a great number of the *Ophrys apifera*, or *Bee orchis*, a rare plant with them; but whose place of growth he did not care to divulge.
107. *Cypripedium Calceolus*. *Ladies Slipper*.
Calceolus mariae. *Raii Syn.* 385.
 The beauty and extreme singularity of the blossoms of this plant; joined to its great scarcity, have occasioned it to be universally sought after by Botanists and others; who, not content with contemplating its beauties in its native soil, are anxious to see it grow in their gardens, in which, however, they are generally disappointed, as it very rarely thrives on transplanting. We saw, indeed, a few instances to the contrary in some gardens in *Yorkshire*. To this rage for the *Ladies Slipper* we may attribute its present scarcity in *Helk's Wood* near *Ingleton*, where it used to be found in plenty. We were fortunate enough to discover this plant in considerable plenty in the neighbourhood of *Kilnsay*, not only in the Woods with its usual attendant, the red-flowered *Helleborine*, but also in hilly pasture ground, with the *Ophrys ovata*; but as some gardeners in the neighbourhood had discovered them, and were unremittingly employed in digging up every one they found, we may venture to prophecy, that in a few years they will be rarely found here also.
108. *Serapias palustris*.
Helleborine palustris nostras. *Raii Syn.* 384.
 In the boggy part of *Syke's Wood* plentifully; also near *Kilnsay*, and many other boggy situations. To us it appears to be a very distinct species. Flowers in July.
109. *Serapias purpurascens*.
Helleborine altera atro-rubente flore. *Raii Syn.* 383.
 This species is found in *Syke's Wood*, and is common to most of the woods in the North, especially such as are mountainous and rocky; it produces a long spike of red or purplish flowers, the beginning of August. This species is frequently mistaken for the *Ladies Slipper*.
110. *Sparganium natans*. *Small Burr-reed*.
Sparganium non ramosum. *Raii Syn.* 437. 2. 3.
 In the lakes on *Brigstea Moss*, with the *Hippuris* and *Utricularia*, not uncommon.
111. *Carex pulicaris*. *Flea Carex*.
Gramen cyperoides minimum, feminibus deorsum reflexis puliciformibus. *Raii Syn.* 24.
 On the sides of *Ingleborough* and other mountainous situations tolerably frequent.
112. *Carex distans*. *Loose Carex*.
Gramen cyperoides spicis parvis longissime distantibus. *Raii Syn.* 421.

- This most variable *Carex* we found in almost every situation. on the edge of *Giggleswick Tarn* it grew with the *panicea* plentifully. I also found it on dry ground near the tops of the highest mountains. Some specimens, in particular, a yard in height, I gathered near the summit of a lofty rock in *Longsledale*.
113. *Carex vesicaria*. *Bladder Carex*.
Gramen cyperoides polytachion majus, spicis teretibus, erectis. *Raii Syn.* 419.
 We do not recollect finding this species nearer *London* than *Virginia Water*. In the North it is a common *Carex* on the edges of tarns and rivulets. It abounds in *Giggleswick Tarn*, a spot fertile in Carices, and on the borders of *Semer Water*, *Wensledale*.
114. *Carex gracilis*, Fl. Lond. *Slender-spiked Carex*.
Gramen cyperoides majus angustifolium. *Raii Syn.* 417.
 In great plenty on the borders of *Conzie Tarn* near *Kendal*.
115. *Salix Pentandra*. *Sweet Willow*.
Salix folio laureo, seu lato glabro odorato. *Raii Syn.* 449.
 About *Kilnsay*, and more especially about *Carr End Wensledale*, this is the most common species of Willow, and is much used for making the larger sort of baskets. Its leaves are glossy, and exhale an odoriferous perfume in hot weather, which, joined to the beautiful appearance of the male-tree when in bloom, and the female when in seed, render it one of the most desirable trees our island naturally produces.
116. *Salix helix*. *Spurge-leaved Willow*.
Salix humilior, foliis angustis subcaeruleis ex adverso binis. *Raii Syn.* 448.
 Equally common with the foregoing, and used for making the finer sorts of basket-work.
117. *Salix rosmarinifolia*.
 We have no doubt but the Willow, to which we assign this name, is a species perfectly distinct. It approaches nearest to the *vitellina*. Its twigs are remarkably tough. We found it on the edge of a rivulet which runs into *Semer Water*, *Wensledale*. As cuttings of this and the two following Willows, introduced into our garden, have grown, we hope to be able to speak more decisively on them at some future period.
118. *Salix myrsinites?*
 One small shrub of this species, which corresponds with the description Mr. LIGHTFOOT gives of the *Myrsinites*, we found with several of the following on the slope of a high hill betwixt *Kilnsay* and *Arncliffe*.
119. *Salix arenaria*.
120. *Empetrum nigrum*.
Empetrum montanum fructu nigro. *Raii Syn.* 444.
 On the sides of *Ingleborough* plentifully.
121. *Taxus baccata*. *Yew-tree*.
Taxus. *Raii Syn.* 445.
 Growing in a truly wild state out of the clefts of the rocks on *Giggleswick Scar*. Dr. ABRAHAM SUTCLIFFE, of *Settle*, to whose kind hospitality and useful information I am much indebted, was an eye-witness to the fatal effects of this plant on two *Bullocks*, who had carelessly been suffered to feed on its foliage.
122. *Acer Pseudoplatanus*. *Sycamore Maple*.
Acer majus. *Raii Syn.* 470.
 Very common in woods, hedges, and round gentleman's seats, the latter from its quick growth, its great size, and power of resisting the most violent storms without injury, it is admirably calculated to preserve. Its wood, though seldom used in building, is applied to many economical purposes.
123. *Ophioglossum vulgatum*. *Adders-tongue*.
Ophioglossum. *Raii Syn.* 128.

- In meadows and by the sides of rivulets much more frequent than with us.
124. *Osmunda Lunaria*. Moon-wort.
Lunaria minor. *Raii Syn.* 128.
On Mear Bank by Sykes' Wood, Ingleton, and other places, with the frog Orchis, not unfrequent.
125. *Osmunda crispa*. Stone-fern.
Adiantum album crispum alpinum. *Raii Syn.* 126.
Among the stones about Buckbarrow Well in Long-
ledale, in the utmost abundance, and here and
there on the walls betwixt that spot and Kendal.
126. *Asplenium Scolopendrium*. Harts-tongue.
Phyllitis. *Raii Syn.* 116.
Between the fissures of the rocks on the tops of
most of the high mountains.
127. *Asplenium Ruta muraria*.
Ruta muraria. *Raii Syn.* 122.
On the rocks about Settle, and elsewhere, very
common.
128. *Asplenium Trichomanes*. Common Maiden-hair.
Trichomanes. *Raii Syn.* 119.
Very common on the rocks and stone fences.
129. *Polypodium Phegopteris*. Wood Polypody.

- Filix minor Britannica pediculo pallidior, alis infe-
rioribus deorsum spectantibus.* *Raii Syn.* 122.
We found one plant of this rare species among our
dried specimens, but do not recollect its place
of growth; suspect we took it for the following,
with which it has some similarity in its general
appearance.
130. *Polypodium Dryopteris*. Branched Polypody.
Filix ramosa minor. *Raii Syn.* 125.
We observed this species in tolerable plenty about
Kilnsay, particularly among loose lime-stones on
the right-hand side of the Girling Trough near
Coniston.
131. *Polypodium fragile*. Brittle Polypody.
Filix saxatilis caule tenui fragile. *Raii Syn.* 125.
Extremely common on old castles, stone fences, &c.
about Settle and elsewhere.
132. *Lycopodium Selago*. Fir Club-moss.
Selago foliis et facie abietis. *Raii Syn.* 106.
133. *Lycopodium alpinum*. Mountain Club-moss,
Lycopodium Sabinæ facie. *Raii Syn.* 108.
Both of these species are found in abundance near
the summit of Ingleborough.

In the course of our excursions we could not avoid noticing, *en passant*, an almost infinite number of Mosses, Lichens, &c. which particularly abound in most of the spots we visited; but as few of them were in fructification, and as the larger plants were altogether sufficient to engross our attention, we must defer gratifying the curious Cryptogamist till an opportunity presents itself of revisiting these delightful regions at a different period of the year.

We may remark, that the *Allium*, which we supposed to be the *oleraceum*, proved, on flowering, to be the *carinatum*; and that the *Potentilla*, which has not yet flowered, seems, from its foliage, as if it would prove either a singular variety of the *verna*, or a distinct species.







