

A calendar of flora composed during the year 1809, at Warrington, lat. 53°0'30" / [George Crosfield].

Contributors

Crosfield, George, 1785-1847.

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A
CALENDAR
OF
FLORA,
COMPOSED DURING THE YEAR
1809,

at

Warrington,

Lat. 53°. 30'.

BY GEORGE CROSFIELD,
SECRETARY
TO THE BOTANICAL SOCIETY OF WARRINGTON.

These, as they change, ALMIGHTY FATHER, these,
Are but the varied GOD. The rolling year
Is full of Thee.-----

Mysterious round! what skill, what force divine,
Deep felt, in these appear! a simple train,
Yet so delightful mix'd, with such kind art,
Such beauty and beneficence combin'd;
Shade, unperceiv'd, so softening into shade;
And all so forming an harmonious whole;
That, as they still succeed, they ravish still.

THOMSON.

WARRINGTON:

Printed by J. Haddock.

SOLD BY WILKIE AND ROBINSON, PATERNOSTER-ROW;
AND WHITE, FLEET-STREET,
LONDON.

1810.

CALIFORNIA

FLORA

COMPOSED DURING THE YEAR
25336(2) 1809

Washington

BY GEORGE CROSBY,
SECRETARY
TO THE BOTANICAL SOCIETY OF WASHINGTON.

Printed by J. H. Johnson

AND WHITE STREET
LONDON

P R E F A C E.

SINCE the science of Botany became a branch of study, considered at once useful and instructive, it has been deemed of some importance to point out the different vegetable productions of particular districts. Some very respectable Botanists have likewise expressed a wish that the periods of inflorescence in different seasons and in different latitudes should be marked down with accuracy. To unite these two plans, *at the least possible expence*, is my design in the following pages, which contain a list of upwards of eight hundred British Plants, comprized in the twenty-three first Classes of the Linnean system, growing, either wild or in a cultivated state, in the neighbourhood of Warrington, and arranged according to their earliest periods of inflorescence during the year 1809. It would, I am aware, have added much to its value, to have been accompanied by an accurate meteorological journal; but such an undertaking would have occupied more time than was consistent with my commercial avocations. It may not however be amiss to say, that, with the exception of a few warm days early in the 3d Month, (March.) the Spring was delayed later than usual by constant easterly winds, vegetation being kept back until the third of the 5th Month, (May.). From this time until the beginning of the following month the progress of vegetation was very rapid. The latter end of Summer was attended with much rain.

In compiling the following *Calendar of Flora*, I have not only depended on my own personal observation, but have availed myself of the advantages afforded by my situation as

Secretary to a provincial Botanical Society, to some of the members of which I acknowledge myself under considerable obligation for their ready assistance.

With a few exceptions, no plant has been admitted into the following list, which is not ranked as indigenous in the very excellent *Flora Britannica* of Dr. Smith. Where the rule is departed from, the authority for it is specified.

An asterisk has been prefixed to all those plants, which, although indigenous, are only found, *in this neighbourhood*, in a state of cultivation. A few, observed in the more western, and northern parts of this county, are distinguished by a dagger.

The notes will not I trust, be deemed superfluous. For those marked *K*, I am indebted to my esteemed friend James Kendrick, M. D. F. L. S. President of the Botanical Society of Warrington.

The town of Warrington is situated at the southern extremity of the county of Lancaster, the river Mersey dividing it from that of Chester. The broad estuary of this River commences about six miles westward. In its immediate vicinity, is a large quantity of rich meadow land, formed principally of alluvial soil. A large extent of peat moss commences about two miles eastward of the town. The only high ground in its neighbourhood is a hill about two miles to the south, formed of red sand stone, covered with a stratum of sandy soil.

In every instance I have adopted the nomenclature of Dr. Smith: where he has differed from Linnæus, or where subsequent writers have differed from him *their* synonyms are also given.

GEORGE CROSFIELD.

WARRINGTON,

1st of 1st Month, 1810.

THIRD MONTH

A CALENDAR, &c.

=====
FIRST MONTH (*January*).
=====

14. ULEX *europæus*. Common Furze. *It branches from its base*
16. BELLIS *perennis*. Common Daisy. (1)

SECOND MONTH (*February*).

2. * HELLEBORUS *fætidus*. Stinking Hellebore. *70, 96*
12. SENECEO *vulgaris*. Groundsel.
14. GALANTHUS *nivalis*. Snowdrop.
* CROCUS *vernus*. Spring Crocus.
VINCA *minor*. Lesser Periwinkle. *Rich 36. Stamina flat & 1*
26. DAPHNE *Mezereum*. Mezereon. *common*

THIRD MONTH (*March*).

2. LAMIUM *purpureum*. Red Archangel.
7. β VIOLA *odorata*. Sweet Violet. *See Renard's Herb, 90,*
10. PRIMULA *vulgaris*. } Primrose. *Stigma globular*
γ PRIMULA *veris*. Linn. }
11. TUSSILAGO *Farfara*. Colts-foot. *See Renard's Herb, 129*
----- *Petasites*. Common Butter-bur.

(1) Sometimes proliferous.

- stalk proceeds*
the axilla
of each leaf
11. LEONTODON *Taraxacum*. Common Dandelion. (2)
 STELLARIA *media*. }
 ALSINE *media*. Linn. } Common Chickweed. *joint herb*
to form an angle
12. * SCILLA *bifolia*. Two-leaved Squill.
 RANUNCULUS *Ficaria*. Pilewort. (3)
 BETULA *Alnus*. }
 ALNUS *glutinosa*. Willdenow. } Common Alder.
- only 1-celled*
Reich 49
- CORYLUS *Avellana*. Hasel-nut-tree. *No calyx in invol but a*
a form of a
 POPULUS *alba*. Great White Poplar.
13. ULMUS *campestris*. }
 ULMUS *suberosa*. Willd. } Common Elm-tree. *Bark ex-*
from want of extensibility of
14. FRAGARIA *sterilis*. Barren Strawberry.
 SALICIS *species varia*. Various kinds of Willow. (4)
no calyx
16. POA *annua*. Annual Meadow-grass.
 DRABA *verna*. Common Whitlow-grass.
24
call
19. * PULMONARIA *officinalis*. Common Lung-wort.
 23. α VIOLA *odorata*. Sweet Violet. *Reich 40*
 NARCISSUS *Pseudo-narcissus*. Common Daffodil. *Reich 36*
 DAPHNE *Laureola*. Spurge-Laurel. *16*
 CARDAMINE *hirsuta*. Hairy Ladies-Smock.
P. 31
- fields*
25. VERONICA *verna*. Vernal Speedwell. *very in Suffolk*
 OXALIS *Acetosella*. Common Wood-Sorrel. *2*

(2) Whether this plant possesses the deobstruent properties attributed to it by some authors of reputation may be doubted. Its diuretic effects are in some instances considerable. Its vulgar name, in more than one language, implies a knowledge of its powers. K.

(3) It may not be amiss to state that this termination so common in the names of British plants, is derived from the Saxon *Wyr*t, a herb or plant, and implies that the plant so denominated, has been supposed to possess some specific power of curing the disease of a particular organ, e. g. Lungwort, Liverwort, &c. &c. K.

(4) The bark of all the species of *Salix*, containing a considerable portion of Tannin, is useful in the art of tanning leather. With regard to its medical properties, it may suffice to say, that it is by no means a despicable tonic, though experience and analysis prove it an improper substitute for the Bark of the *CINCHONA lancifolia* (Peruvian Bark). K.

25. ULMUS *montana*.
 ULMUS *campestris*. Willd. } Broad-leaved Elm-tree. *Rich A1*
26. β VIOLA *tricolor*. Pansy Violet.
 ADOXA *Moschatellina*. Tuberous Moschatel.
 ANEMONE *nemorosa*. Wood Anemone. *has a tubiferous involucre or a tubular base*
 THLASPI *arvense*. Smooth Mithridate Mustard.
 MERCURIALIS *perennis*. Perennial Mercury.
27. * SCILLA *verna*. Vernal Squill.
 JUNCUS *pilosus*. Hairy Rush.
 RIBES *Grossularia*. Rough Gooseberry. *leaves are folded like*
 LAMIUM *album*. White Archangel.
 COCHLEARIA *officinalis*. Common Scurvy-grass.
 POPULUS *tremula*. Aspen.
 ----- *nigra*. Black Poplar.
 TAXUS *baccata*. Yew Tree.
28. MONTIA *fontana*. Water Chickweed.
 PRIMULA *elatior*.
 β PRIMULA *veris*. Linn. } Oxlip. *Stem with prostrate from the base of a radical leaf*
 CHRYSOPLENIUM *oppositifolium*. Opposite-leaved Golden-Saxifrage. *near luteum*
 RANUNCULUS *hederaceus*. Ivy Crowfoot.
 CALTHA *palustris*. Marsh Marygold.
 CHEIRANTHUS *fruticulosus*. Wallflower.

FOURTH MONTH (*April*).

1. VERONICA *hederifolia*. Ivy-leaved Speedwell. *Cultivated ground*
 ALCHEMILLA *arvensis*.
 APHANES *arvensis*. Linn. } Field Ladies Mantle. *Rich 31*
 ALCHEMILLA *aphanes*. Willd. }
 CERASTIUM *vulgatum*. Broad-leaved Mouse-ear *Rich 39*
 Chickweed.
 GLECHOMA *hederacea*. Ground-Ivy.
 ARABIS *thaliana*. Common Wall-Cress.
2. VIOLA *canina*. Dog's Violet.
 JUNCUS *sylvaticus*.
 δ JUNCUS *pilosus*. Linn. } Wood Rush.
3. CHARA *vulgaris*. Common Chara. *see Rich: 54*
 * TULIPA *sylvestris*. Wild Tulip.

3. ^{*Stylis triangular*} * ORNITHOGALUM *luteum*. Yellow Star of Bethlehem.
 * ANEMONE *apennina*. Blue mountain Anemone.
 * FUMARIA *solida*. Solid bulbous Fumitory.
 THLASPI *campestre*. Common Mithridate Mustard.
 BUXUS *sempervirens*. Box-tree.
 * RUSCUS *aculeatus*. Butcher's-Broom.
 * VISCUM *album*. Mistletoe.
4. * VINCA *major*. Greater Periwinkle. *sample slip to sec. 10*
5. RIBES *rubrum*. Common Currants.
 * FRITILLARIA *Meleagris*. Common Fritillary.
 * ANEMONE *Pulsatilla*. Pasque Flower.
 MYRICA *Gale*. Sweet Gale.
7. PRIMULA *farinosa*. Bird's eye Primrose. *stem powdery*
8. * HELLEBORUS *viridis*. Green Hellebore.
9. GALIUM *Aparine*. Goose-grass. (5)
10. RIBES *Uva-crispa*. Smooth Gooseberry.
 CARPINUS *Betulus*. Horn-beam.
 POPULUS *canescens*. Common White Poplar.
11. * ECHIUM *vulgare*. Common blue Vipers-Bugloss.
 TUSSILAGO *hybrida*. Longer stalked Butter-bur.
 * ARABIS *stricta*. Bristol Rock-cress.
14. α CALLITRICHE *aquatica*. } Water Star-wort.
 CALLITRICHE *verna*. Linn. }
 ALCHEMILLA *vulgaris*. Common Ladies Mantle.
 * DENTARIA *bulbifera*. Bulbiferous Coral-wort. *woods*
 CARDAMINE *pratensis*. Meadow Ladies-smock. *in Road*
15. PRIMULA *veris*. Common Cowslip.
 α VIOLA *tricolor*. Pansy Violet. *Feb 40 51*
 PRUNUS *spinosa*. Sloe-tree. *Rel 41 50 51*
17. ----- *insititia*. Bullace-tree.
 * SCROPHULARIA *vernalis*. Yellow Fig-wort.

(5) The powers of late attributed to this plant, as an anticarcinomatous remedy, may reasonably be doubted. It has long been a popular remedy in those complaints commonly called *scorbutic*. Its root, in common with that of Madder, (*Rubia tinctorum* Linn.) has the property of tinging the bones of animals fed upon it, of a red colour. K.

17. * COCHLEARIA *danica*. Danish Scurvy-grass.
 ERYSIMUM *Alliaria*. Garlick Hedge-mustard. *Rich 36*
18. * NARCISSUS *poeticus*. Poetic Narcissus.
 PRUNUS *domestica*. Plum-tree.
19. CHARA *hispida*. Prickly Chara. *Rich 54*
 RANUNCULUS *auricomus*. Wood Crowfoot.
23. CERASTIUM *aquaticum*. Water Chickweed.
 PRUNUS *Cerasus*. Cherry-tree.
 THLASPI *Bursa-Pastoris*. Common Shepherd's Purse.
 BRASSICA *Rapa*. Turnep. *Rich 36*
25. * IXIA *Bulbocodium*. Crocus-leaved Ixia. (CURTIS.)
 * EPIMEDIUM *alpinum*. Barren-wort.
 * NARCISSUS *biflorus*. Pale Narcissus.
 PYRUS *communis*. Iron Pear-tree. *Rich 36*
26. RIBES *nigrum*. Black Currants.
 * ASARUM *europæum*. Asarabacca.
27. CHÆROPHYLLUM *sylvestre*. Smooth Cow Parsley.
 STELLARIA *nemorum*. Wood Stitchwort.
 COCHLEARIA *anglica*. English Scurvy-grass.
 SALIX *repens*. Creeping dwarf Willow.
28. STELLARIA *holostea*. Greater Stitchwort. *very long compared with the*
stamens
29. BETULA *alba*. Common Birch. *Article from most determinable to*
 VERONICA *arvensis*. Wall Speedwell. *Dry grass. Field at Lonsay*
 ASPERULA *odorata*. Sweet Woodruff. *leaves 8 in a whorl*
 EUPHORBIA *Cyparissias*. Cypress Spurge. *Rich 16, 39*
 FRAGARIA *vesca*. Wood Strawberry.
 α RANUNCULUS *aquatilis*. } Water Crowfoot
 β RANUNCULUS *aquatilis*. }
30. α VALERIANA *Locusta*. } Corn Sallad. - *Corn fields*
 VALERIANA *olitoria*. Willd. } *Rich 40-41*
 ERIOPHORUM *vaginatatum*. Single-headed Cotton-grass.
 ----- *angustifolium*. Common Cotton-grass.
 PLANTAGO *lanceolata*. Ribwort Plantain. (6) *Terminal a pyramidal*

(6) A year or two ago, I met with a variety of this species, having the summit of the spike surmounted by leaves; which I considered as an accidental conversion of the terminal flowers, rather than as a permanent variety.

Qu. Is this var. 3. of Withering, described as having "the summit of the stalk surrounded with leaves longer than the spike?"

30. * *LEUCOJUM aestivum*. Summer Snow-flake.

* *ERICA Dabeoci*.

MENZIESIA polifolia. Jussieu. } Irish Heath.

ANDROMEDA polifolia. Marsh Rosemary.

α LYCHNIS dioica. Red Campion.

IBERIS nudicaulis. Naked-stalked Candy-tuft.

TURRITIS hirsuta. Hairy Tower-Mustard.

SINAPIS arvensis. Charlock. *It has long hairs which are short and pubescent at base*

GERANIUM molle. Dove's-foot Crane's-bill.

ORCHIS mascula. Early purple Orchis. *Root in fingers*

FIFTH MONTH (May).

1. *VERONICA agrestis*. Procumbent Speedwell. *Rich 40*

2. *ANCHUSA sempervirens*. Evergreen Alkanet. *Rich 40*

ACER Pseudo-platanus. Greater Maple. *Rich 228*

CERASTIUM semidecandrum. Little Mouse-ear-Chickweed.

* *TROLLIUS europæus*. Globe-flower.

* *FUMARIA lutea*. Yellow Fumitory.

* *SALIX herbacea*. Least Willow.

2. * *GENTIANA acaulis*. Dwarf Gentian. (E. Bot.)

3. *VACCINIUM Myrtillus*. Bilberry.

ACER campestre. Common Maple.

HOLOSTEUM umbellatum. Umbelliferous Chickweed.

CARDAMINE amara. Bitter Ladies-smock.

ERODIUM cicutarium.

GERANIUM cicutarium. Linn. } *In Rich. P. 25*
Hemlock Stork's-bill.

GERANIUM pusillum. Small-flowered Crane's-bill.

FAGUS sylvatica. Beech-tree. *Form by low & complete covering*

5. *HIPPURIS vulgaris*. Common Mare's-tail. (7)

* *ORNITHOGALUM umbellatum*. Common Star of Bethlehem. *The flowers are white & close together*

GERANIUM lucidum. Shining Crane's-bill.

CAREX præcox. Vernal Carex.

Saxifraga granulata. Placenta fleshy

(7) Was observed to emerge on the 12th of 4th Month. (April.) K.

*It is found in plenty on the point of land adjoining Redingtons Loch, and
the side of that neighbourhood.*

6. * ARBUTUS *Uva-ursi*. Red-berried trailing Arbutus. (8)
 * SAXIFRAGA *umbrosa*. London Pride.
7. BUNIUM *flexuosum*. Common Earth-nut.
 * SAXIFRAGA *oppositifolia*. Purple Saxifrage.
 MESPILUS *Oxyacantha*.
 CRATÆGUS *Oxyacantha*. Linn. } Hawthorn. (9) *Rich 57 bis*
 CAREX *paludosa*. Lesser common Carex.
8. VERONICA *serpyllifolia*. Smooth Speedwell. *Pasture Solady Held*
 * VIOLA *lutea*. Yellow mountain Pansy.
 SCANDIX *odorata*. Great Chervil.
 PYRUS *Malus*. Apple-tree. *Rich 36, 40, 44, 57*
 * GEUM *rivale*. Water Avens.
 PEDICULARIS *palustris*. Marsh Louse-wort. *As an arillus, Rich 3*
 ----- *sylvatica*. Pasture Louse-wort. (10)
 POLYGALA *vulgaris*. Milk-wort.
 CAREX *dioica*. Common separate-headed Carex.
 * SALIX *reticulata*. Wrinkled Willow.
9. VERONICA *montana*. Mountain Speedwell. *Shady moist woods or*
 ANTHOXANTHUM *odoratum*. Sweet-scented Vernal-
 grass.
 SAGINA *apetala*. Annual small-flowered Pearl-wort.
 CHENOPODIUM *Bonus Henricus*. Perennial Goose-
 foot.
 SCILLA *nutans*.
 HYASCINTHUS *nonscriptus*. Linn. } *Flower stalk proceedi from a*
 Hare-bell. *cluster of radicle leaves*
 * SAXIFRAGA *hypnoides*. Mossy Saxifrage.
 * CERASTIUM *tomentosum*. Woolly Mouse-ear. (HULL.)
 ab. *Antirrhinum* ANTIRRHINUM *Cymbalaria*. Ivy-leaved Snapdragon. *upper surface*
 + *Saxifraga granulata* *of leaf green, under surface purple*

(8) The tonic and sedative properties of this plant are not, I apprehend, in general fully appreciated, notwithstanding what has been said on the subject by Doctors Ferriar and Bourne. In many cases I have found it not a little efficacious. K.

(9) Its inflorescence usually commences on the *first* of this month (MAY).

(10) Frequently varies to white.

B 2

+ The roots have a mass of small tubercles containing buds capable of reproducing the plant without being surrounded with cellular tissue full of amyloseous, as in the potatoe

9. * *IBERIS amara*. Bitter Candy-tuft.
FUMARIA officinalis. Common Fumitory. *Stems in 2 bundles*
 * *GNAPHALIUM dioicum*. Mountain Cud-weed.
10. * *SAXIFRAGA tridactylites*. Rue-leaved Saxifrage.
RANUNCULUS sceleratus. Celery-leaved Crowfoot.
 ----- *hirsutus*. Pale hairy Crowfoot.
 ----- *acris*. Upright meadow Crowfoot. *Stems very*
- GALEOBDELON luteum*.
GALEOPSIS Galeobdolon. Linn. } Yellow Dead-Nettle.
LEONURUS Galeobdolon. Willd. }
- * *GERANIUM phaeum*. Dusky Crane's-bill.
 * *CENTAUREA Cyanus*. Corn Blue-bottle.
11. *FRAXINUS excelsior*. Common Ash. *Historical and Scilicet*
VERONICA Chamedrys. Germander Speedwell. *in last two of*
VALERIANA dioica. Marsh Valerian. *Baggy bristly Red*
SHERARDIA arvensis. Blue Sherardia.
β MYOSOTIS scorpioides. Mouse-ear Scorpion-grass.
MENYANTHES trifoliata. Buckbean. (11) *Pools of water*
 * *LONICERA Caprifolium*. Pale perfoliate Honeysuckle.
GLAUX maritima. Black Salt-wort.
STATICE Armeria. Common Thrift.
JUNCUS campestris. Hairy field Rush.
RUMEX Acetosa. Common Sorrel.
TRIGLOCHIN maritimum. Sea Arrow-grass
PARIS quadrifolia. Herb Paris. *Stems prolonged beyond*
ARENARIA rubra. Purple Sandwort.
PRUNUS Padus. Bird Cherry.
PYRUS aucuparia.
SORBUS aucuparia. Linn. } Mountain-ash.
POTENTILLA anserina. Silver-weed.
TORMENTILLA officinalis.
TORMENTILLA erecta. Linn. } Common Tormentil.
 ----- *reptans*. Trailing Tormentil.

(11) Varies frequently in the number of stamens, each flower having often six, and sometimes seven. K.

11. CHELIDONIUM *majus*. Celandine.
- * AQUILEGIA *vulgaris*. Columbine.
- RANUNCULUS *bulbosus*. Bulbous Crowfoot. *Some are double bilboes*
Leaf Wal Herb
- 31, 32 AJUGA *reptans*. Common Bugle.
- GERANIUM *robertianum*. Stinking Crane's-bill. (12) *Stem fragile &*
leafy
- GENISTA *anglica*. Needle Green-weed. *Stem hard with spines*
- TRIFOLIUM *procumbens*. Hop Trefoil.
- α LOTUS *corniculatus*. Common Bird's-foot Trefoil.
- CAREX *pulicaris*. Flea Carex.
- *arenaria*. Sea Carex.
- QUERCUS *Robur*.
- QUERCUS *pedunculata*. Willd. } *The leaf is said to be persistent*
See Rich 49 } Common British Oak.
12. VALERIANA *rubra*. Red Valerian. *Very abundant in Chalk pits in the*
W. of rocks. Rich
- SCIRPUS *cæspitosus*. Scaly-stalked Club-rush. *Rich 39*
- α MYOSOTIS *scorpioides*. Mouse-ear Scorpion-grass.
- POLEMONIUM *cæruleum*. Jacob's Ladder. *Rich 39*
- * CONVALLARIA *multiflora*. Common Solomon's Seal *See Rich 6*
- RUMEX *Acetosella*. Sheep's Sorrel.
- * RUBUS *arcticus*. Dwarf crimson Bramble.
- RANUNCULUS *Flammula*. Lesser Spear-wort. *Rich 52*
- THLASPI *perfoliatum*. Perfoliate Shepherd's Purse.
- COCHLEARIA *Armoracia*. Horse-radish.
- CORONOPUS *Ruellii*.
- COCHLEARIA *Coronopus*. Linn. } Common Wart-cress
- ERYSIMUM *Barbarea*. Yellow Rocket.
- FUMARIA *claviculata*. White climbing Fumitory.
- CAREX *vulpina*. Great spiked Carex.
- URTICA *dioica*. Great Nettle.
13. SAGINA *procumbens*. Procumbent Pearl-wort. *Rich 31*
- ALLIUM *ursinum*. Broad-leaved Garlick.
- * CONVALLARIA *majalis*. Lily of the Valley.
- SCLERANTHUS *annuus*. Annual Knawel.
- RANUNCULUS *repens*. Creeping Crowfoot.
- Black-hell ORNITHOPUS *perpusillus*. Common Bird's-foot.
- TRIFOLIUM *pratense*. Common purple Trefoil.

(12) Rarely varies to white.

x It has a horizontal subter. stem

14. SCIRPUS *triqueter*. Triangular Club-rush.
 ALOPECURUS *pratensis*. Meadow Fox-tail-grass.
 SAGINA *erecta*. Upright Pearl-wort.
 GALIUM *cruciatum*.
 VALANTIA *cruciata*. Linn. } Crosswort. *See Reib P 24*
 LYSIMACHIA *nemorum*. Wood Loosestrife.
 HYDROCOTYLE *vulgaris*. Marsh Pennywort. *leaves fetid*
 * STAPHYLEA *pinnata*. Bladder-nut-tree.
 BERBERIS *vulgaris*. Barberry. (13)
 * VACCINIUM *Vitis Idaea*. Red Whortle-berry.
 STELLARIA *uliginosa*. Bog Stitchwort.
 ARENARIA *peplodes*. Sea Sandwort.
 * PAPAVER *cambricum*. Yellow Poppy.
 ERYSIMUM *officinale*. Common Hedge-mustard.
 SPARTIUM *scoparium*. Common Broom.
 LATHYRUS *Nissolia*. Crimson Lathyrus.
 HIERACIUM *Pilosella*. Mouse-ear Hawkweed.
 URTICA *wrens*. Small Nettle.
 ARUM *maculatum*. (Spadice purpureo.) Cuckowpint.
 15. STELLARIA *graminea*. Lesser Stitchwort.
 * DORONICUM *Pardalianches*. Great Leopard's-bane.
 CAREX *acuta*. Slender-spiked Carex.
 ----- *riparia*. Great common Carex.
 16. VERONICA *Beccabunga*. Brooklime.
 ♂ MYOSOTIS *scorpioides*. Mouse-ear Scorpion-grass.
 EUPHORBIA *Peplus*. Petty Spurge.
 SISYMBRIUM *Nasturtium*. Water Cress.
 ----- *terrestre*.
 SISYMBRIUM *palustre*. Willd. } Annual water Rocket
 HOLCUS *avenaceus*. }
 AVENA *elatior*. Linn. } Oat-like Soft-grass.
 POA *trivialis*. Roughish Meadow-grass.
 GALIUM *saxatile*. Smooth heath Bed-straw.

(13) It would be worth while to ascertain by experiment, whether the very probable conjecture of Dr. Smith respecting the fructification of this plant has any foundation in fact. K.

16. BUNIUM *Bulbocastanum*. Great Earth-nut.
 HOTTONIA *palustris*. Water Violet. *leaves submerged*
 * CONVALLARIA *Polygonatum*. Angular Solomon's Seal.

VICIA *sativa*. Common Vetch.

TRIFOLIUM *minus*. Lesser yellow Trefoil.

17. CORNUS *sanguinea*. Wild Cornel-tree.

ILEX *Aquifolium*. Holly-tree.

* LONICERA *Xylosteum*. Upright Honeysuckle.

VACCINIUM *Oxycoccus*. Cranberry.

POTENTILLA *reptans*. Common creeping Cinquefoil.

GEUM *urbanum*. Common Avens.

RANUNCULUS *arvensis*. Corn Crowfoot.

CAREX *ovalis*. Oval-spiked Carex.

18. VERONICA *spicata*. Spiked Speedwell. *incompletely absent in its locality*
 ----- *officinalis*. Male Speedwell. *the stem curves with the lower part to earth, the seed looks*

LOLIUM *perenne*. Ray-grass.

SCANDIX *Anthriscus*. Rough Chervil.

ÆGOPODIUM *Podagraria*. Gout-weed.

RUMEX *obtusifolius*. Broad-leaved Dock.

GERANIUM *dissectum*. Jagged-leaved Crane's-bill.

TRIFOLIUM *repens*. White Trefoil.

ANTHEMIS *Cotula*. Stinking May-weed.

19. * ALLIUM *Schænoprasum*. Chive Garlick.

* CISTUS *Helianthemum*. Common dwarf Cistus.

* ARISTOLOCHIA *Clematitis*. Common Birth-wort. *calyx persistent*
grows at plant base
part of the fruit

* RHODIOLA *rosea*. Rose-root.

20. PARIETARIA *officinalis*. Pellitory of the Wall. *See Rich. P 22, 22*

L. P. 21 SYMPHYTUM *officinale*. Common Comfrey. *leaves winged & dis-*

51, 32 * RHAMNUS *Frangula*. Alder Buckthorn.

* PYRUS *Aria*.

CRATÆGUS *Aria*. Linn. } White Beam-tree.

CRAMBE *maritima*. Sea Kale.

GERANIUM *sanguineum*. Bloody Crane's-bill.

calic? MALVA *rotundifolia*. Dwarf Mallow. *branches prostrate on the ground*
See Rich. P 25, 26, 28,

* JUNIPERUS *communis*. Common Juniper.

21. SCIRPUS *palustris*. Marsh-creeping Club-rush.

21. POA *pratensis*. Smooth-stalked Meadow-grass.
 POTAMOGETON *crispum*. Curled Pond-weed.
 ----- *pectinatum*. Fennel-leaved Pond-weed
 SPERGULA *arvensis*. Corn Spurrey.
 RHINANTHUS *Crista-galli*. Yellow Rattle.
 CAREX *strigosa*. Loose pendulous Carex.
 ----- *filiformis*. Slender-leaved Carex.
22. FESTUCA *pratensis*. Meadow Fescue-grass,
 JUNCUS *effusus*. Soft Rush.
 LYCHNIS *Flos-Cuculi*. Meadow Lychnis.
 THYMUS *Serpyllum*. Wild Thyme.
 SENECIO *aquaticus*. Marsh Ragwort.
 ORCHIS *Morio*. Meadow Orchis.
23. SCIRPUS *maritimus*. Salt-marsh Club-rush.
 POA *fluitans*.
 FESTUCA *fluitans*. Linn. } Flote Meadow-grass.
 POA *rigida*. Hard Meadow-grass.
 DACTYLIS *glomerata*. Rough Cock's-foot-grass.
 PLANTAGO *Coronopus*. Buck's-horn Plantain. *Pericarp. & p.*
 POTAMOGETON *natans*. Broad-leaved Pond-weed.
 SANICULA *europa*. Wood Sanicle.
 JUNCUS *maritimus*.
 β JUNCUS *acutus*. Linn. } Lesser sharp Rush.
 POLYGONUM *Bistorta*. Great Bistort. *The Petiole has a r.*
 β LYCHNIS *dioica*. White Campion. (14) *sheath, and all*
family of P.
 HEDYPNOIS *hispida*.
 LEONTODON *hispidum*. Linn. } Rough Hedypnois.
 APARGIA *hispida*. Willd. *capious oha lara*
 TAMUS *communis*. Black Bryony. *woody at the base*
24. IRIS *pseudacorus*. Yellow Iris. *Observe the roots. Style pale*
 ALOPECURUS *agrestis*. Slender Fox-tail-grass.
 ----- *geniculatus*. Floating Fox-tail-grass.
 AGROSTIS *vulgaris*. Fine Bent-grass.
 HOLCUS *lanatus*. Meadow Soft-grass.

(14) LYCHNIS *vespertina* of Sibthorp and Symons, so called from its fragrance in the evening.

24. POTAMOGETON *gramineum*. Grassy Pond-weed.
 ŒNANTHE *crocata*. Hemlock Water Dropwort. *Roots knotted & filipendula*
 ALLIUM *vineale*. Crow Garlic.
 ORCHIS *maculata*. Spotted palmate Orchis.
25. AIRA *aquatica*. Water Hair-grass.
 * BRIZA *maxima*. Great Quake-grass. (HULL.)
 * ALCHEMILLA *alpina*. Alpine Ladies-mantle.
 * CYNOGLOSSUM *officinale*. Common Hounds-tongue.
 HERACLEUM *Sphondylium*. Common Cow-parsnep.
 * SAXIFRAGA *palmata*. Palmate Saxifrage.
 SCROPHULARIA *nodosa*. Knotty-rooted Fig-wort. *Rich 27, 28*
 BRASSICA *campestris*. Field Cabbage. *Rich 36, 50*
 RAPHANUS *Raphanistrum*. Wild Radish. *In Rich 36*
 TRAGOPOGON *porrifolius*. Purple Goat's-beard. *Pappus feathery*
 OPHRYS *ovata*.
 EPIPACTIS *ovata*. Swartz. } Common Twayblade.
26. SCIRPUS *setaceus*. Least Club-rush.
 SANGUISORBA *officinalis*. Great Burnet.
 LITHOSPERMUM *arvense*. Corn Gromwell.
 VIBURNUM *Opulus*. Common Guelder-rose. *said to be in the garden by Rich 36*
 PEPLIS *Portula*. Water Purslane.
 TRIGLOCHIN *palustre*. Marsh Arrow-grass.
 FUMARIA *capreolata*. Ramping Fumitory. (15)
 HIERACIUM *murorum*. Wall Hawkweed.
27. AVENA *fatua*. Wild Oat.
 * RHAMNUS *catharticus*. Purging Buckthorn. *Rich 51*
 HYDROCOTYLE *inundata*. } Floating White-rot.
 SISON *inundatum*. Linn. }
 * MESPILUS *germanica*. Common Medlar.
 * SPIRÆA *Filipendula*. Common Dropwort.
 * GERANIUM *columbinum*. Long-stalked Crane's-bill.
28. AIRA *præcox*. Early Hair-grass.
 * ASPARAGUS *officinalis*. Common Asparagus. *careless look for a species to compare it with Rich 36*
 * SAXIFRAGA *granulata*. White Saxifrage.
Veronica agrestis in cultivated ground?

(15) Very common in the hedges in many places in this neighbourhood.

28. * *CISTUS marifolius*. Hoary dwarf Cistus.
RANUNCULUS parvulus. Little upright Crowfoot.
 * *ERODIUM moschatum*.
GERANIUM moschatum. Linn. } Musky Stork's-bill.
 * *VICIA lathyroides*. Spring Vetch. *Pods cuboid*
 29. *VERONICA Anagallis*. Water Speedwell. *Common*
CYNOSURUS cristatus. Crested Dog's-tail-grass.
GALIUM uliginosum. Rough marsh Bed-straw.
SOLANUM Dulcamara. Woody Nightshade. (16)
CHÆROPHYLLUM temulentum. Rough Cow-parsley.
COTYLEDON Umbilicus.
 β *COTYLEDON Umbilicus*. Linn. } Common Navel-wort.
COMARUM palustre. Marsh Cinquefoil.
PAPAVER Rhæas. Common red Poppy. *Calyx of 2 sepals*
DIGITALIS purpurea. Purple Fox-glove. *Ex of 10 lobes*
 α *ORCHIS bifolia*. Butterfly Orchis.
 30. *AVENA pratensis*. Narrow-leaved Oat-grass.
ANAGALLIS arvensis. Scarlet Pimpernel. *fruit pyxidicium*
 * *EUONYMUS europæus*. Common Spindle-tree. *Stem var*
DAUCUS Carota. Wild Carrot. *Has an anther, in Rich 39*
ACORUS Calamus. Sweet Flag.
 * *TOFIELDIA palustris*.
ANTHERICUM calyculatum. Linn. } Scottish Asphodel.
HELONIAS borealis. Willd.
RESEDA Lateola. Dyer's-weed.
 Rich: 31 23 57 *NYMPHÆA lutea*. Yellow Water-lily.
 * *HESPERIS inodora*. Scentless Dame's-violet.
OROBUS tuberosus. Common Orobus.
 31. *ALOPECURUS bulbosus*. Bulbous Fox-tail-grass.
MELICA uniflora. Wood Melic-grass.
 * *POA bulbosa*. Bulbous Meadow-grass.

(16) That the berries of this plant possess highly poisonous qualities is well known. That the stems are not entirely destitute of narcotic properties is equally true. In one instance where a very large dose had been swallowed, paralysis of the tongue and fauces, with diminished sensibility of the retina was the consequence. Its effects were not entirely removed for several days. K.

*Evon Europ. Flowers greenish white & foetid, Capsules purple
 anthers fleshy-red*

- Pinguicula grandiflora* - West-Prak of County Cork - Very rare
 31. * *PINGUICULA vulgaris*. Common Butterwort. *Boys in Holts' Cove*
PLANTAGO maritima. Sea Plantain.
POTAMOGETON densum. Close-leaved Pond-weed.
 * *LITHOSPERMUM officinale*. Common Gromwell.
LYCOPSIS arvensis. Small Bugloss.
MEUM athamanticum.
ATHAMANTA Meum. Linn. } Spiguel.
ÆTHUSA Meum. Willd. }
JUNCUS acutus. Great sharp Rush.
 ----- *conglomeratus*. Common Rush.
RUMEX sanguineus. Bloody-veined Dock.
SILENE maritima.
 β *CUCUBALUS Behen*. Linn. } Sea Campion. *stem glaucous, leaf*
ARENARIA marina. } *hardy in a thick layer which may be*
 β *ARENARIA rubra*. Linn. } *scaped off*
 } Sea spurrey Sandwort.
RUBUS idæus. Raspberry.
PAPAVER Argemone. Long rough headed Poppy.
 ----- *dubium*. Long smooth headed Poppy.
NYMPHÆA alba. White Water-lily. *Filaments flat & colour is*
metallic
CARDUUS lanceolatus. Spear Thistle.
CHRYSANTHEMUM Leucanthemum. Great white
 Ox-eye.
ORCHIS latifolia. Marsh Orchis.
ARUM maculatum. (spadice albo) Cuckow-pint. (17)
Cucumber - Placenta radiating - Rush 57

SIXTH MONTH (June).

1. *SONCHUS arvensis*. Corn Sow-thistle.
ACHILLEA Millefolium. Common Yarrow.
2. *RUMEX acutus*. Sharp Dock.
POLYGONUM aviculare. Knotgrass.
 * *ALYSSUM sativum*.
MYAGRUM sativum. Linn. } Gold of Pleasure.
3. *BRIZA media*. Common Quaking-grass.

(17) I have observed that the inflorescence of those plants in which the Spadix is white, uniformly takes place later than when it is purple.

3. RUMEX *crispus*. Curled Dock.
LATHYRUS *latifolius*. Broad-leaved Lathyrus.
4. CAUCALIS *nodosa*.
TORDYLIUM *nodosum*. Linn. } Knotted stone Parsley.
* SEDUM *rupestre*. Rock Stonecrop.
RUBUS *cæsius*. Dewberry.
----- *corylifolius*. Hasel-leaved Bramble.
+ TRAGOPOGON *pratensis*. Yellow Goat's-beard.
ANTHEMIS *arvensis*. Corn Chamomile.
* CALENDULA *arvensis*. Marigold. (HULL.) (18)
CAREX *distans*. Loose Carex.
5. SPERGULA *nodosa*. Knotted Spurrey.
SISYMBRIUM *amphibium*. Great water Rocket.
NOTE VI. 290
26, 27
LEMONA *minor*. Lesser Duck-weed. Comⁿ in flower near low
* SALVIA *verbenaca*. Wild English Clary. Comⁿ on chalk
SAMBUCUS *nigra*. Dwarf Elder.
MALVA *sylvestris*. Common Mallow. Style multifid
FAGUS *Castanea*. Chesnut-tree. Fructes form a complete cone
the fruit, hollow & heavy
7. * LOLIUM *perenne*. Ray-grass.
TRITICUM *repens*. Couch-grass.
* SAXIFRAGA *stellaris*. Hairy Saxifrage.
* SILENE *acaulis*. Moss Campion.
8. PLANTAGO *media*. Hoary Plantain. Peacock & pyret
JUNCUS *uliginosus*. Little bulbous Rush.
stamen abortive
* ANTIRRHINUM *majus*. Great Snapdragon. Rich 31, 4
9. * VERONICA *saxatilis*. Blue rock Speedwell. Broad-leaved
* ----- *alpina*. Alpine Speedwell. In Bog on the north
SCHOENUS *albus*. White-headed Bog-rush.
* POA *alpina*. Alpine Meadow-grass.
* STIPA *pennata*. Downy Feather-grass.
* CAMPANULA *glomerata*. Clustered Bell-flower.
Lemna gibba - not rare in flower
Stipulea comⁿ in ditch & ponds. flower early in the

(18) It is not uncommon for the flowers of this plant to become double; its multiplication arising from a conversion of the tubular into ligulate florets. It is worthy of remark that its fertility is increased in proportion to its multiplication. It is apt to become prolific, K.

+ This flower closes its petals at noon and from thence has been called "go-to-bed-at-noon" - Its leaves are amplexical.

- Valeriana Crucifera or Crofwort - leaves 4 in a whorl; hedges*
9. * *ATROPA Belladonna*. Deadly Nightshade. *Leaves in twinn*
Loncera Periclyminum. Common Honeysuckle,
 * *ANGELICA Archangelica*. Garden Angelica. *abund. on banks of*
Thames below Woolwich
 * *IMPERATORIA Ostruthium*. Masterwort.
RUMEX aquaticus. Great water Dock.
ALISMA Plantago. Greater water Plantain. Point of attachment of le
of flower
 * *ERICA Tetralix*. } *under water, raised above the surface by*
 * *ERICA botuliformis*. Salisbury. } *Foliate*
 P. 27, 30
 * *SEDUM anglicum*. English Stonecrop.
 25
 * *OXALIS corniculata*. Yellow procumbent Wood-Sorrel.
ROSA arvensis. White Dog-rose. Rub 31
RUBUS fruticosus. Common Bramble.
 10. *FESTUCA elatior*. Tall Fescue-grass.
ELYMUS europæus. Wood Lyme-grass.
EPILOBIUM palustre. Round-stalked marsh Willow-herb.
GENISTA tinctoria. Dyer's Green-weed.
SONCHUS oleraceus. Common Sow-thistle.
CREPIS tectorum. Smooth Hawk's-beard.
 11. * *LAGURUS ovatus*. Hare's-tail-grass.
ÆTHUSA Cynapium. Fool's-Parsley.
 * *EPILOBIUM angustifolium*. Rose bay Willow-herb.
MELAMPYRUM pratense. Common yellow Cow-wheat.
HIERACIUM paludosum. Succory-leaved mountain
Hawk-weed.
 40, 12. *VALERIANA officinalis. Great wild Valerian. moist hedges margin*
of fields among trees
LOLIUM arvense. White Darnel.
HYOSCYAMUS niger. Common Henbane. Toxicant a piperidic
CONIUM maculatum. Common Hemlock.
 * *ORNITHOGALUM pyrenaicum. Spiked Star of*
Bethlehem.
 * *DIANTHUS deltoides. Maiden Pink.*
 * ----- *cæsius.*
 β *DIANTHUS virgineus. Linn.* } *Mountain Pink.*
ARENARIA serpyllifolia. Thyme-leaved Sandwort.
Pinguicula in Boggs in West of England & Scotland

(19) All the species of Erica (E. Dabeoci excepted, and this I presume, will scarcely be considered as belonging to the genus) not unfrequently vary to white.

Other monocot. plant, it has a single involucre 3 divisions being interl. at
aloid and 3 external and calycal yet the six divisions form but one con
uous circle on the receptacle - Tuberos Edible see Burnett 424

12. SPIRÆA *Ulmaria*. Meadow-sweet.
 LINNÆA *borealis*. Two-flowered Linnæa.
 MEDICAGO *polymorpha*. Heart Medic.
 CARDUUS *pratensis*. Meadow Thistle.
13. ERICA *cinerea*.
 ERICA *mutabilis*. Salisbury. } Fine-leaved Heath.
 POLYGONUM *amphibium*. Amphibious Persicaria.
 SILENE *inflata*.
 CUCUBALUS *Behcn.* Linn. } Bladder Champion.
 THALICTRUM *majus*. Greater Meadow-rue.
 GALEOPSIS *Ladanum*. Red Hemp-nettle.
 EUPHRASIA *officinalis*. Eyebright. (20)
 LATHYRUS *pratensis*. Meadow Vetchling:
 TRIFOLIUM *arvense*. Hare's-foot Trefoil.
 ----- *filiforme*. Slender yellow Trefoil.
 PRENANTHES *muralis*. Ivy-leaved Lettuce. *Pappus simple*
 β ORCHIS *bifolia*. Butterfly Orchis.
14. AGROSTIS *Spica-venti*. Silky Bent-grass.
 FESTUCA *ovina*. Sheep's Fescue-grass.
 BROMUS *erectus*. Upright perennial Brome-grass.
 POTAMOGETON *lucens*. Shining Pond-weed.
 RUPPIA *maritima*. Sea Ruppia.
 ROSA *spinosissima*. Burnet Rose.
 † OROBANCHE *major*. Greater Broom-rape. *Tacardi* or *Q*
 MEDICAGO *sativa*. Lucerne. *Heilbrunn's* *medic*
 15. * POA *flexuosa*. Zigzag Meadow-grass.
 * ----- *casia*. Sea-green Meadow-grass.
 * ----- *nemoralis*. Wood Meadow-grass.
 EPILOBIUM *tetragonum*. Square-stalked Willow-herb.
 BUTOMUS *umbellatus*. Flowering Rush. *leaves elongated into*
 * LYCHNIS *Viscaria*. Red German Catchfly. *leaf?*
 * HEDYSARUM *Onobrychis*. Saintfoin. *pod appears jointed*
 * HIERACIUM *auranticum*. Orange Hawkweed.
16. CIRCÆA *lutetiana*. Common Enchanter's Nightshade.
Pinguicula alpina. *Boys of a noble plant and than now*
Pop

(20) Sometimes, although rarely, varies to purple.

O. minor in clover fields - See Mr. Nutt's *Bot. V. 1. 300*

16. PHLEUM *pratense*. Common Cat's-tail-grass.
 * FESTUCA *rubra*. Creeping Fescue-grass.
 * ----- *loliacea*. Spiked Fescue-grass.
 BROMUS *secalinus*. Smooth rye Brome-grass.
 JASIONE *montana*. Sheep's Scabious.
 * APIUM *graveolens*. Wild Celery.
 ROSA *canina*. Common Dog-rose. *Rich 51.7*
 * POTENTILLA *fruticosa*. Shrubby Cinquefoil.
 MENTHA *arvensis*. Corn Mint.
 PRUNELLA *vulgaris*. Self-heal.
 HYPERICUM *quadrangulum*. Square St. John's Wort.
 SENECIO *Jacobeae*. Common Ragwort.
 BRYONIA *dioica*. Red-berried Bryouy.
 17. AIRA *cristata*. Crested Hair-grass.
 POTAMOGETON *perfoliatum*. Perfoliate Pond-weed.
 VICIA *sepium*. Bush Vetch.
 GNAPHALIUM *gallicum*. }
 FILAGO *gallica*. Linn. } Narrow-leaved Cud-weed.
 SENECIO *sylvaticus*. Mountain Groundsel.
 18. BROMUS *mollis*. Soft Brome-grass.
 GALIUM *Mollugo*. Great hedge Bed-straw.
 JUNCUS *articulatus*. Jointed Rush.
 ALISMA *ranunculoides*. Small water Plantain.
 SEDUM *acre*. Biting Stonecrop.
 RESEDA *lutea*. Wild Mignonette.
 EUPHORBIA *helioscopia*. Sun Spurge.
 CREPIS *biennis*. Rough Hawk's-beard.
 HYOSERIS *minima*. Swine's Succory.
 19. ARUNDO *Calamagrostis*. Small Reed.
 ROSA *rubiginosa*. Sweetbriar.
 * PAPAVER *somniferum*. White Poppy.
 SCUTELLARIA *galericulata*. Common Skull-cap.
 * GERANIUM *pratense* (*flore albo*). Crowfoot-leaved
 Crane's-bill.
 TRIFOLIUM *officinale*. }
 TRIFOLIUM *Melilotus officinalis*. Linn. } Common
 ----- *striatum*. Soft knotted Trefoil. } Melilot.
St. Minn. caricatum mountain garlic round' rocks
beard bulbs on the umbil. su. red

19. * GNAPHALIUM *luteo-album*. Jersey Cud-weed.
20. LIGUSTRUM *vulgare*. Privet.
- * ARUNDO *colorata*.
- PHALARIS *arundinacea*. Linn. } Canary Reed-grass.
- GALIUM *palustre*. White-water Bed-straw.
- LINUM *usitatissimum*. Common Flax.
- *catharticum*. Purging Flax.
- * SILENE *Armeria*. Lobel's Catch-fly.
- EUPHORBIA *exigua*. Dwarf Spurge.
- † ----- *paralia*. Sea Spurge.
- THALICTRUM *flavum*. Common Meadow-rue.
- RANUNCULUS *Lingua*. Great Spear-wort.
- SCROPHULARIA *aquatica*. Water Fig-wort.
- ERVUM *hirsutum*. Hairy Tare.
- HYPERICUM *androsæmum*. Tutsan St. John's Wort.
- MATRICARIA *Chamomilla*. Wild Chamomile.
- TYPHA *angustifolia*. Lesser Reed-mace.
- HYDROCHARIS *Morsus ranae*. Common Frog-bit.
21. * VERONICA *fruticulosa*. Flesh-coloured shrubby Speed-well. *Ben Guachan. Ben Lawat.*
- SCIRPUS *Holoschoenus*. Round Cluster-headed Club-rush.
- FESTUCA *duriuscula*. Hard Fescue-grass.
- LOLIUM *temulentum*. Bearded Darnel.
- * LYSIMACHIA *Nummularia*. Creeping Loosestrife.
- CAMPANULA *rotundifolia*. Round-leaved Bell-flower.
- HERNIARIA *glabra*. Smooth Rupture-wort.
- GERANIUM *pratense*. Crowfoot-leaved Crane's-bill.
- HYPERICUM *humifusum*. Trailing St. John's-Wort.
22. * CIRCÆA *alpina*. Mountain Enchanter's Nightshade.
- † ARUNDO *arenaria*. Sea Reed.
- SEDUM *album*. White Stonecrop.
23. CHENOPODIUM *urbicum*. Upright Goosefoot.
- POLYGONUM *Convolutus*. Climbing Buckwheat.
- HYPERICUM *pulchrum*. Upright St. John's-Wort.
- LAPSANA *communis*. Nipple-wort.
- PYRETHRUM *Parthenium*.
- MATRICARIA *Parthenium*. Linn. } Common Feverfew.

L. 44

L. 50

L. 51

L. 51

L. 59

L. 28

In a marshy spot by the Thames side between Man and Kingston we
 have a colony of this species mixed with a few other spots - It is
 a creeping and rooting like aquatic reeds

24. VERONICA *scutellata*. Narrow-leaved Marsh Speedwell. *Spongy bog*
 GALIUM *verum*. Yellow Bed-straw.
 ANTIRRHINUM *Linaria*. Common yellow Toadflax. *leaves placid*
 * HYPERICUM *hirsutum*. Hairy St. John's Wort. *what*
25. HORDEUM *maritimum*. Sea Barley.
 PLANTAGO *major*. Greater Plantain.
 * IMPATIENS *Noli me tangere*. Yellow Balsam.
 SOLANUM *nigrum*. Common Nightshade. (21) *Rich 27, 28*
 * ERYNGIUM *campestre*. Field Eryngo.
 SIUM *latifolium*. Broad-leaved Water Parsnep.
 AGROSTEMMA *Githago*. Corn Cockle. *calyx longer than corolla*
 * DELPHINIUM *Consolida*. Field Larkspur.
 * ADONIS *autumnalis*. Corn Adonis.
 † β LOTUS *corniculatus*. Common Bird's-foot Trefoil
 CHRYSANTHEMUM *segetum*. Yellow Ox-eye.
 ATRIPLEX *pedunculata*. Pedunculated sea Orache.
26. HORDEUM *pratense*.
 β HORDEUM *murinum*. Linn. } Meadow Barley.
 CICUTA *virosa*. Water Hemlock.
 TRIFOLIUM *ochroleucum*. Sulphur coloured Trefoil.
 α CENTAUREA *nigra*. Lesser Knapweed.
27. BORAGO *officinalis*. Common Borage.
 38. 39 DATURA *Stramonium*. Thorn Apple. *has a diphtheroid branch*
 41 CENANTHE *fistulosa*. Common Water Dropwort.
 CHLORA *perfoliata*.
 28 GENTIANA *perfoliata*. Linn. } Yellow Centaury. (22) *stem glaucous*
 POLYGONUM *Fagopyrum*. Buckwheat. *most of the flowers which may be scapd*
 MARRUBIUM *vulgare*. White Horehound.
 HYPERICUM *perforatum*. Perforated St. John's Wort.
Foa confertifolia - creeping meadow grass, calyx compressed prostrate
Walls

(21) Too much pains cannot be taken to extirpate this poisonous weed, the berries of which have an appearance likely to tempt the appetites of children. The situations in which it is most frequently found near Warrington, are the gardens at the western end of the town and the road side at Lower Walton. K.

(22) This plant may be added to the list of those which are usually denominated æquinoctial; its expansion commencing at 7 o'clock A. M. and ending at 2 o'clock P. M. K.

28. HORDEUM *murinum*. Wall Barley.
 SAMBUCUS *Ebulus*. Dwarf Elder.
 NARTHECIUM *ossifragum*.
 ANTHERICUM *ossifragum*. Linn. } Lancashire Asphodel
 VERBENA *officinalis*. Common Vervain.
 CARDUUS *arvensis*.
 SERRATULA *arvensis*. Linn. } Creeping Thistle.
 EUPATORIUM *cannabinum*. Hemp-agrimony.
 TYPHA *latifolia*. Broad-leaved Reed-mace. *Its pith is of*
 29. POLYGONUM *Persicaria*. Spotted Persicaria.
 SEMPERVIVUM *tectorum*. Common Houseleek.
 * ACTÆA *spicata*. Herb Christopher.
 TILIA *europæa*. Common Lime-tree. *Its bracts adhere to the*
 GALEOPSIS *versicolor*.
 β GALEOPSIS *Tetrahit*. Linn. } Large-flowered
 GALEOPSIS *cannabinna*. Willd. } Hemp-nettle.
 † SISYMBRIUM *Sophia*. Flix-weed.
 30. CHENOPODIUM *rubrum*. Red Goose-foot.
 ----- *album*. White Goose-foot.
 β SAMBUCUS *nigra*. Common Elder.
 † PYROLA *minor*. Lesser Wintergreen. (23) *stigma starsha*
 SEDUM *reflexum*. Yellow Stonecrop.
 * POTENTILLA *alba*. White Cinquefoil.
 * SIBTHORPIA *europæa*. Cornish Moneywort.
 GNAPHALIUM *germanicum*.
 (23) FILAGO *germanica*. Linn. } Common Cudweed.
 β CENTAUREA *nigra*. Lesser Knapweed.
 SPARGANIUM *simplex*. Unbranched upright Bur-reed.

SEVENTH MONTH (July).

1. VERBASCUM *Thapsus*. Great Mullein. *Some specimens on*
 * LIGUSTICUM *scoticum*. Scottish Lovage. *oven like cloth*
 STACHYS *arvensis*. Corn Woundwort.
 † γ ONONIS *arvensis*.
 ONONIS *repens*. Linn. } Rest-harrow. *It has deep & tena*
roots from whence it is raised
Lucerne has a perennal root & especially long

(23) This rare plant was brought to me from a rock near the waterfall at Ambleside, Westmoreland.

2. VALERIANA *dentata*. Oval-fruited Corn Salad. *Rail 40*
 † ERYNGIUM *maritimum*. Sea Eryngo.
 PHELLANDRIUM *aquaticum*. Water Hemlock.
 † GLAUCIUM *luteum*. } Yellow Horned-
 CHELIDONIUM *Glaucium*. Linn. } poppy.
 † ANTHYLLIS *vulneraria*. Kidney Vetch.
 † VICIA *sylvatica*. Wood Vetch.
 * ----- *Cracca*. Tufted Vetch.
3. FESTUCA *gigantea*. } Tallest Fescue-grass.
 BROMUS *giganteus*. Linn. }
 CONVULVUS *sepium*. Great Bindweed. *E. of Arles*
 AGRIMONIA *eupatoria*. Common Agrimony. *Stem very hairy, all*
 STACHYS *palustris*. Marsh Woundwort. *rate leaflets large*
 α ONONIS *arvensis*. Rest-harrow.
4. POA *maritima*. Sea Meadow-grass.
 ANAGALLIS *tenella*. } *in the center of its leaf is a c*
 LYSIMACHIA *tenella*. Linn. } Bog Pimpernel. *of stamens cover*
 CHIRONIA *Centaureum*. } *with glaucous renunciant l*
 GENTIANA *Centaureum*. Linn. } Common Centaury.
5. LYSIMACHIA *vulgaris*. Yellow Loosestrife.
 † GERANIUM *sylvaticum*. Wood Crane's-bill.
 MALVA *moschata*. Musk Mallow.
 † HYPERICUM *montanum*. Mountain St. John's Wort.
6. † β CIRCÆA *ulpina*. } Mountain Enchanter's
 CIRCÆA *intermedia*. Ehrhart. } Nightshade.
 CONVULVUS *arvensis*. Small Bindweed.
 SIUM *nodiflorum*. Procumbent Water Parsnep.
 PIMPINELLA *saxifraga*. Common Burnet-Saxifrage.
 * OENOTHERA *biennis*. Biennial Oenothera. (E. Bot.)
 BALLOTA *nigra*. Stinking Black Horehound.
 LEONURUS *Cardiaca*. Motherwort.
 * HYPERICUM *calycinum*. Great-flowered St. John's
 Wort. (E. Bot.)
 BIDENS *tripartita*. Trifid Bur Marygold.
 CENTAUREA *Scabiosa*. Greater Knapweed.
7. SCABIOSA *arvensis*. Field Scabious.
 CAMPANULA *latifolia*. Giant Bell-flower.

Vanomica hybrida

D 2

Craig MacArthur Montgomery
Cartmell Mrs. Hancock

Malaxis Paludosa grows on wet heathy bays, bulbs
 on margin of leaf see Reed + May 4d

above it by their Petiole

Note & Page 21 Sagittaria sagittifolia - leaves hastate-ovate, not round

7. *EPILOBIUM roscum*. Pale Smooth-leaved Willow-herb.*TEUCRIUM Scorodonia*. Wood Germander.β *ONONIS arvensis*. } Rest-harrow.β *ONONIS spinosa*. Linn. }*CARLINA vulgaris*. Common Carline.* *GNAPHALIUM margaritaceum*. American Cudweed.*ACHILLEA Ptarmica*. Sneeze-wort.8. * *CAMPANULA Trachelium*. Nettle-leaved Bell-flower.* *CHENOPODIUM olidum*. } Stinking Goose-foot.*CHENOPODIUM Vulvaria*. Linn. }----- *maritimum*. Sea Goose-foot.* *SWERTIA perennis*. Marsh Felwort.*SELINUM palustre*. Marsh Milky Parsley.*CAUCALIS Anthriscus*. } Upright Hedge Parsley*TORDYLIUM Anthriscus*. Linn. }*JUNCUS bufonius*. Toad Rush.*EPILOBIUM hirsutum*. Great hairy Willow-herb.*ARENARIA tenuifolia*. Fine-leaved Sand-wort.* *CARDUUS marianus*. Milk Thistle.9. *MELICA cærulea*. } Purple Melic-grass.*AIRA cærulea*. Linn. }*GALEOPSIS Tetrahit*. Common Hemp-nettle.*ERVUM tetraspermum*. Smooth Tare.*CENTAUREA Calcitrapa*. Common Star-thistle.† *ORCHIS conopsea*. Aromatic Orchis.10. *SAMOLUS Valerandi*. Brookweed.† *CONVOLVULUS Soldanella*. Sea Bindweed.† *SALSOLA Kali*. Prickly Saltwort.† *LYTHRUM Salicaria*. Purple Loosestrife. (24)*BETONICA officinalis*. Wood Betony.† *BUNIAS Cakile*. } Sea Rocket.*CAKILE maritima*. Willd. }*CICHORIUM Intybus*. Wild Succory.

(24) A singular variety of this is sometimes found, which differs in the foliage, its leaves being alternate, ovate, and acuminate. This is not accidental but permanent. K.

- Sagittaria sagittifolia* - *Sagittaria* 204
10. SERAPIAS *latifolia*. }
 SERAPIAS *Helleborine*. Linn. } Broad-leaved Helleborine
 EPIPACTIS *latifolia*. Swartz. }
 SERAPIAS *palustris*. }
 γ SERAPIAS *longifolia*. Linn. } Marsh Helleborine.
 EPIPACTIS *palustris*. Swartz. }
 † ATRIPLEX *laciniata*. Frosted sea Orache.
11. * PHALARIS *canariensis*. Manured Canary-grass.
 EPILOBIUM *parviflorum*. } Small-flowered
 β EPILOBIUM *hirsutum*. Linn. } Willow-herb.
 * DIANTHUS *Caryophyllus*. Clove Pink.
 * SERRATULA *alpina*. Alpine Saw-wort.
12. * IRIS *fatidissima*. Stinking Iris.
 SCABIOSA *succisa*. Devil's-bit Scabious.
 JUNCUS *bulbosus*. Round-fruited Rush.
 * DIANTHUS *prolifer*. Proliferous Pink.
 STACHYS *sylvatica*. Hedge Woundwort.
 ASTER *Tripolium*. Sea Star-wort. *Thames bank, plenty above high water*
 PYRETHRUM *maritimum*. } *not between Bush? as the*
 MATRICARIA *maritimum*. Linn. } Sea Feverfew.
13. LYCOPUS *europæus*. Water Horehound. *Bank of Rivers, ditches &*
 DIPSACUS *sylvestris*. } *in sandy, clear pools*
 α DIPSACUS *fullonum*. Linn. } Wild Teasel. *Reich. 44-*
 * CAMPANULA *Rapunculus*. Rampion Bell-flower.
 VERBASCUM *Blattaria*. Moth Mullein.
 SIUM *angustifolium*. Narrow-leaved Water Parsnep.
 PIMPINELLA *magna*. Great Burnet-Saxifrage.
 * STRATIOTES *aloides*. Water Soldier.
 GNAPHALIUM *minimum*. Least Cudweed.
14. * LYSIMACHIA *thyrsiflora*. Tufted Loosestrife.
 ANETHUM *Feniculum*. Common Fennel.
 STATICE *Limonium*. Sea Lavender.
 * DROSERA *rotundifolia*. Round-leaved Sun-dew. (25)
 ----- *longifolia*. Long-leaved Sun-dew.
- Scirpus lacustris* Bull. rust. - *the external structure is spongy*

(25) The following accurate description of the Phænomenon exhibited by this Plant, may be considered worthy of insertion in this place.

“ Ses feuilles sont bordées de poils terminés par une petite goutte de liqueur.

“ Quand un insecte se pose sur le disque d'une feuille, elle se ferme comme

* See a curious article on Drosera in Mag. Nat. 4. No 32

14. † β GALEOPSIS *Ladanum*. Red Hemp-nettle.
 * LAVATERA *arborea*. Sea Tree-mallow.
 HYPERICUM *elodes*. Marsh St. John's Wort.
 HEDYPNOIS *autumnalis*.
 LEONTODON *autumnalis*. Linn. } Autumnal Hedypnois
 APARGIA *autumnalis*. Willd. }
 * INULA *Helenium*. Elecampane.
15. SAXIFRAGA *Hirculus*. Yellow Marsh Saxifrage. (26)
 BARTSIA *viscosa*. Yellow viscid Bartsia. (27)
 ARTEMISIA *vulgaris*. Mugwort.
 † CONYZA *squarrosa*. Plowman's Spilzenard.
16. POA *procumbens*. Procumbent sea Meadow-grass.
 † DIPSACUS *pilosus*. Small Teasel.
 * NEPETA *Cataria*. Cat-mint.
 SONCHUS *palustris*. Tall marsh Sow-thistle.
 TANACETUM *vulgare*. Common Tansy.

“ une bourse à jetons dont on tire les cordons, et l'insecte meurt, tout couvert
 “ du suc visqueux qui s'échappe de l'extrémité des poils. C'est un spectacle aussi
 “ bizarre qu'il est étonnant, de voir, comme j'ai eu plusieurs fois occasion de
 “ l'observer, presque toutes les feuilles de cette petite plante formant des prisons
 “ enduites de glu, où sont retenus quelques insectes, tels que des fourmis ou des
 “ petites mouches. Ainsi la rencontre d'un gazon de rossolis est aussi terrible,
 “ pour ces légions de créatures foibles et misérables, que l'explosion d'un feu
 “ souterrain pour les peuplades humaines; mais ces desordres ont leur limites;
 “ et, tandis que les individus sont en proie à mille dangers, les espèces ne
 “ cessent pas de se propager, et ces innombrables races d'êtres éphémères ne
 “ sont pas moins que la race humaine sous la main protectrice de la Nature.”

MIRBEL Traité d'Anatomie

et de Physiologie Vegetales

Tom. 1. p. 265.

(26) Observed upon Knutsford moor; the habitat already pointed out.

(27) This rare plant has been found at Ormskirk, South-port, Allerton, Speke, Hale, and Ditton in Lancashire, and on Bartington heath in Cheshire, by different members of the Botanical Society of Warrington.

17. † PARNASSIA *palustris*. Grass of Parnassus.
 HUMULUS *Lupulus*. Common Hop.
18. SEDUM *Telephium*. Orpine.
 * SPIRÆA *salicifolia*. Willow-leaved Spiræa.
 GALEOPSIS *villosa*. Downy Hemp-nettle.
 α ONONIS *arvensis* (flore albo). Rest-harrow. (28)
 INULA *dysenterica*. Common Flea-bane. (29)
 ATRIPLEX *patula*. Spreading halberd-leaved Orache.
19. GENTIANA *Pneumonanthe*. Marsh Gentian. (30)
 ERICA *vulgaris*.
 CALLUNA *vulgaris*. Salisbury. } Common Heath.
 BARTSIA *Odontites*.
 EUPHRASIA *Odontites*. Linn. } Red Eyebright.
 PICRIS *hieracioides*. Hawkweed Ox-tongue. *Pappus feathery*
 LACTUCA *Scariola*. Prickly Lettuce. *Pappus simple not feathery*
 ARTEMISIA *maritima*. Sea Wormwood.
 ----- Absinthium. Common Wormwood.
20. BROMUS *sylvaticus*. Slender wood Brome-grass,
 * HERNIARIA *hirsuta*. Hairy Rupture-wort.
 * ERICA *vagans*.
 ERICA *vaga*. Salisbury. } Cornish Heath. *Rich 46*
 POLYGONUM *lapathifolium*. Pale-flowered Persicaria.
 ANTHEMIS *maritima*. Sea Chamomile.
21. * VERBASCUM *Lychnitis*. White Mullein.
 MENTHA *sylvestris*. Horse Mint.

(28) This variety, differing from α *Ononis arvensis*, not only in the whiteness of its petals, but in the colour of the stalk which is of a pale green instead of purple, is found near the pier, at Runcorn. K.

(29) This plant is said to have been occasionally useful in cases of Dysentery. As this disease, after an interval of more than 100 years, has of late appeared among us, it may perhaps, as a cheap remedy, be worthy of trial. It has an unpleasant smell, compared by some to that of soap; and a bitterish subacid taste. Its acrimony a little resembles that of *Arum maculatum*. K.

(30) A white-flowering variety of this plant, is said to have been found upon Bartington heath.

21. SOLIDAGO *Virgaurea*. Common Golden-rod. (31)
22. * CORIANDRUM *sativum*. Common Coriander.
* TEUCRIUM *Chamædrys*. Common Germander.
CINERARIA *palustris*. Marsh Flea-wort.
23. POLYGONUM *Hydropiper*. Biting Persicaria.
MERCURIALIS *annua*. Annual Mercury.
24. * SALVIA *pratensis*. Meadow Clary. *a very rare plant*
* DIPSACUS *fullonum*. Manured Teasel. *very rare*
DROSERA *anglica*. Great Sun-dew.
ANDROMEDA *polifolia*. Marsh Rosemary. (Second
inflorescence.) (32)
- ARCTIUM *Lappa*. Burdock.
25. SENECEO *viscosus*. Stinking Groundsel.
26. SALICORNIA *herbacea*. Marsh Samphire.
ERIGERON *acre*. Blue Flea-bane.
27. CAUCALIS *infesta*.
SCANDIX *infesta*. Linn. } Spreading hedge Parsley.
SENECIO *tenuifolius*. Hoary Ragwort.
28. ANGELICA *silvestris*. Wild Angelica. *abundant in meadows*
ANTHEMIS *nobilis*. Common Chamomile. *near houses*
29. CHIRONIA *Centaurium*. (flore albo) Common Centaury. (33)
MENTHA *hirsuta*. Hairy Mint.
LATHYRUS *palustris*. Marsh Lathyrus.
30. MENTHA *rotundifolia*. Round-leaved Mint.
HYPOCHÆRIS *radicata*. Long-rooted Cat's-ear.
31. GENTIANA *Amarella*. Autumnal Gentian.
STACHYS *germanica*. Downy Woundwort. *seen downy white and cottony*

(31) The powdered Root, in doses of half a dram, three times a day, has been found a powerful remedy in *Dropsy*. It has long been in use in cases of *Nephritis*, and with good effect. K.

(32) Repeated observation confirms the opinion that this species has two distinct periods of inflorescence in each year.

(33) This variety has been found in several parts of this neighbourhood. K.

31. **HIERACIUM sabaudum.** Shrubby broad-leaved Hawkweed.

URTICA pilulifera. Roman Nettle.

Torricellian Canadense - Linnæus thought this plant was brought to America by the wind - It now occurs in all the plains of Europe.

EIGHTH MONTH (August).

1. **SCUTELLARIA minor.** Lesser Skull-cap.
2. **GNAPHALIUM uliginosum.** Marsh Cudweed.
3. * **MENTHA viridis.** Spear Mint.
4. **GNAPHALIUM rectum.** Upright Cudweed.
5. **BIDENS cernua.** Nodding Bur Marygold.
6. **POLYGONUM minus.** Small creeping Persicaria.
7. **CLINOPODIUM vulgare.** Wild Basil.
- LEONTODON *palustre.*
- LEONTODON *lividus.* Willd. } Marsh Dandelion.
8. **ARUNDO Phragmites.** Common Reed.
9. **MENTHA piperita.** Pepper Mint.
10. ----- *rubra.* Tall red Mint.
11. * **ORIGANUM vulgare.** Common Marjoram.
12. **ARUNDO epijegos.** Wood Reed.
13. **MENTHA odorata.** Bergamot Mint.
14. **UTRICULARIA vulgaris.** Hooded Milfoil. *Stagnant ditches & ponds*
15. * **SENECIO sarracenicus.** Broad-leaved Groundsel.
- ULEX *nanus.*
- β ULEX *europæus.* Linn. } Dwarf Furze,
16. **MENTHA Pulegium.** Penny Royal.
17. **SAPONARIA officinalis.** Soapwort.
19. **CHIRONIA pulchella.** Dwarf branched Centaury.
20. **CHENOPODIUM hybridum.** Maple leaved Goose-foot.
- * **HIERACIUM umbellatum.** Narrow-leaved Hawkweed.
- † **SERRATULA tinctoria.** Common Saw-wort. *Small roads near Dublin*
24. **OPHRYS spiralis.**
- NEOTTIA *spiralis.* Swartz. } Spiral Ophrys. *2nd & 4th hills of ...*
25. γ **BIDENS cernua.**
- BIDENS *minima.* Linn. } Nodding Bur Marygold.

Utricularia intermedia - near Dublin West of Dublin
minor - *Sudbury* - Westcote's Lake, Suffolk.

-
27. CORNUS *sanguinea*. Wild Cornel-tree (second inflorescence). (34)
28. SCLERANTHUS *perennis*. Perennial Knawel.

NINTH MONTH (*September*).

8. * COLCHICUM *autumnale*. Meadow Saffron.
10. * ARBUTUS *Unedo*. Strawberry-tree.
18. * CROCUS *sativus*. Saffron Crocus.
24. γ CALLITRICHE *aquatica*.
CALLITRICHE *autumnalis*. Linn. } Water Star-wort.

TENTH MONTH (*October*).

13. HEDERA *Helix*. Common Ivy. *Book 3/5*
-

(34) The time here mentioned was evidently the second period of inflorescence, but whether it is permanently the case as in *Andromeda* I do not know.

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The Genera printed in *Italics* occur only as synonyms.

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