# A flora of Tunbridge Wells, being a list of indigenous plants within a radius of fifteen miles around that place / [Edward Jenner].

#### **Contributors**

Jenner, Edward, 1803-1872.

#### **Publication/Creation**

Tunbridge Wells: J. Colbran, [1845]

#### **Persistent URL**

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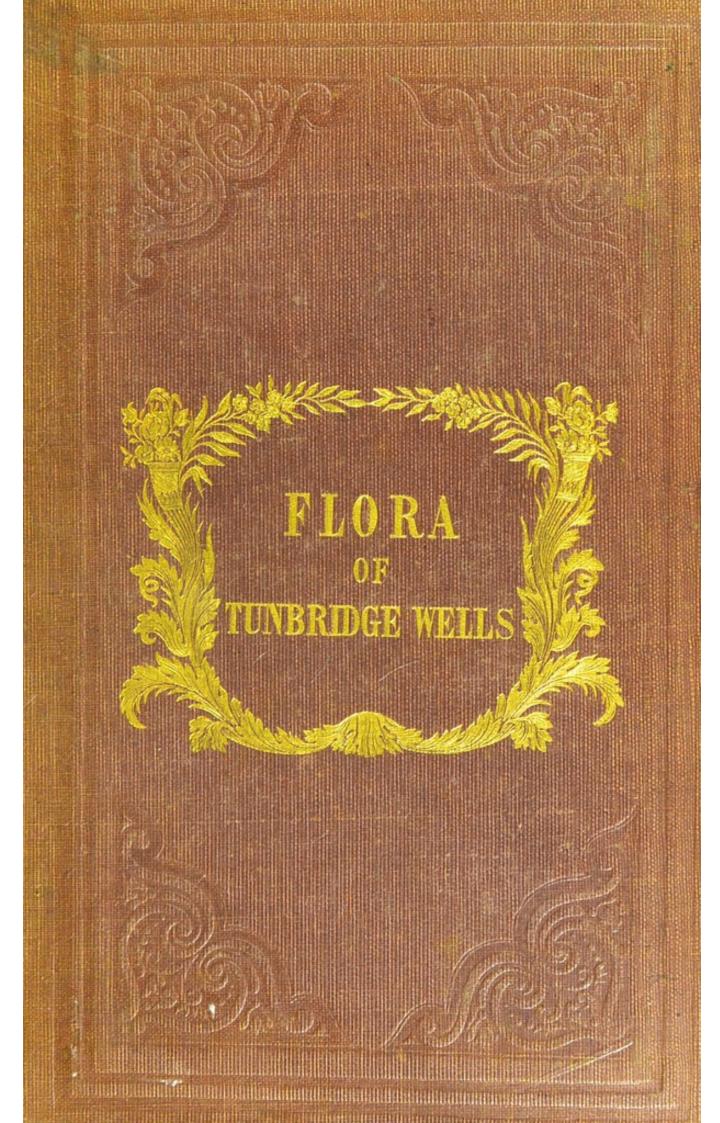
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30 444/A

[1845]

mandra paluetris Buxthead?



# FLORA

OF

TUNBRIDGE WELLS.

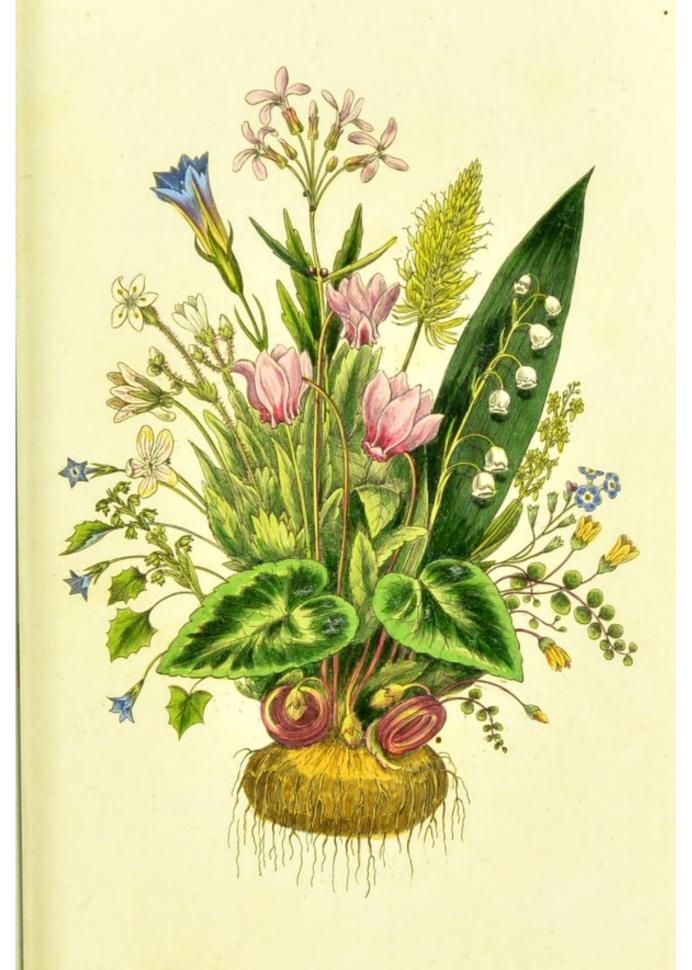
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## PHÆNOGAMOUS PLANTS,

Figured round from left to right, beginning with Cyclamen hederifolium, which forms the centre of the group.

Cyclamen hederifolium
Habenaria albida
Campanula hederacea
Viola lactea
Saxifraga granulata
Gentiana Pneumonanthe

Dentaria bulbifera Phyteuma spicatum Convallaria majalis Malaxis paludosa Myosotis palustris Anagallis tenella.



IRufeell Del & C.Mathews, Sc. Oxford.



# FLORA

OF

# TUNBRIDGE WELLS,

BEING A LIST OF

# INDIGENOUS PLANTS

WITHIN A RADIUS OF FIFTEEN MILES AROUND THAT PLACE,

BY

## EDWARD JENNER, A.L.S.

"Arise,

To trace the woods, the vales, where thousand dyes

The ground adorn."

PICKERING.

TUNBRIDGE WELLS:
PRINTED AND PUBLISHED BY J. COLBRAN.

LONDON:

D. BOUGE, FLEET STREET,

AND

HARVEY AND DARTON, 55, GRACECHURCH STREET.

TUNBRIDGE WEELS.



mention is an innertant der manifest

SHEET AND PROPERTY IN CHARACTERISCH STREET

# EDWARD FORSTER, ESQ., V.P.L.S.

SURVIVING BROTHER OF THE AUTHOR

OF THE

## FLORA TONBRIDGENSIS,

THIS

LIST OF PLANTS

IS INSCRIBED,

AS AN HUMBLE TRIBUTE OF ESTEEM

AND GRATITUDE,

BY

THE AUTHOR.

## ADVERTISEMENT.

The Publisher apologises to his Subscribers for the delay that has attended this work through the press, which arose from various causes. It is now however, offered to the public as a carefully arranged Catalogue of the many rare and curious Wild Plants with which the neighbourhood abounds; and it would be injustice not to notice the zeal of the Author, Mr. E. Jenner, to render the Flora pleasingly acceptable as a companion and guide to the Botanist and Visitor.

The Publisher also begs respectfully to acknowledge his obligations to the Subscribers, and trusts that the work will be considered worthy of their confidence.

JOHN COLBRAN.

Tunbridge Wells.

# ADVERTISEMBNT:

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JOHN COLURAN.

Predridge Wells

## INTRODUCTION.

In preparing, at the request of the Publisher, the list of plants now offered to the public, I have not the presumption to suppose that it presents a perfect catalogue of the vegetable productions of the district over which it extends. I have indeed good reason to believe that much remains to reward further investigation, for I have scarcely ever visited the neighbourhood, since I began to collect materials for this publication, without adding something to my previous list.

It has been my aim to offer to the visitor of Tunbridge Wells, and to those who have a taste for botany, a volume not too large to be made a pocket companion. The Flora of the vicinity of the Wells is so rich, varied, and extensive, that persons gifted with such a taste can never want a strong

attraction in their walks or drives besides that which is offered by the beauty of its woods, rocks, and forests.

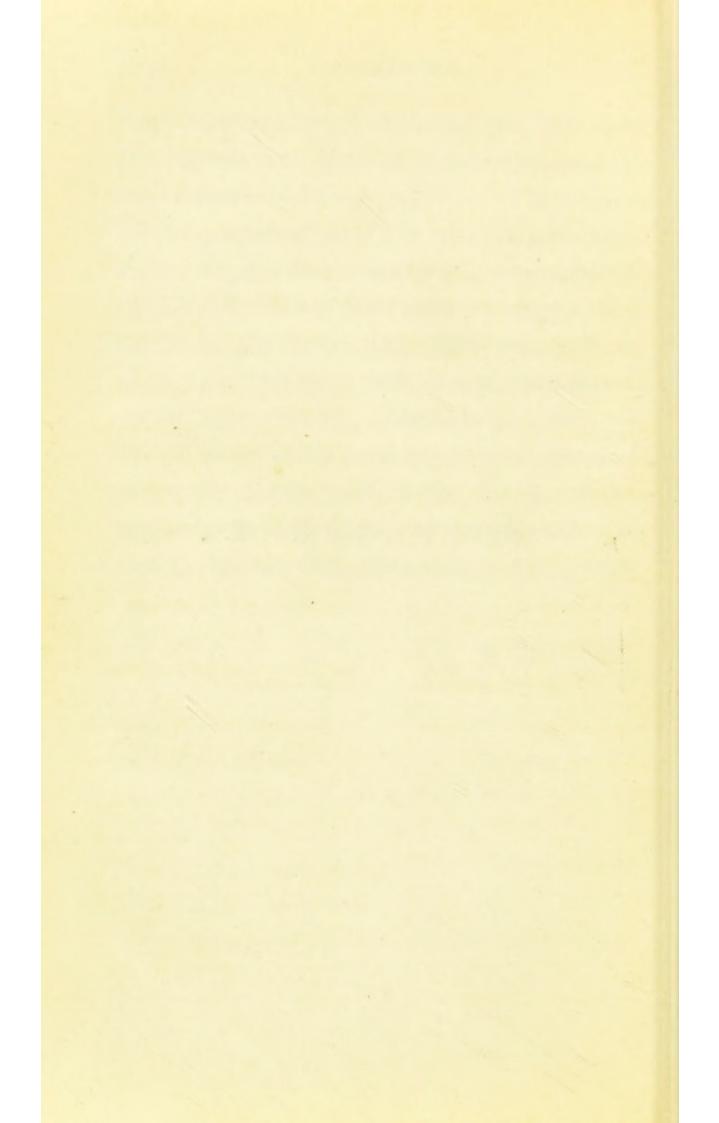
The localities of the rarer plants are given, I trust, with sufficient distinctness for the botanist; but at the same time I have wished to avoid being so particular as to lead directly to them the merely curious or selfish collector, from whose visits some of the most interesting productions of the neighbourhood have already become scarce, if they have not been entirely eradicated. The remarkable little moss, Diphyscium foliosum, formerly found at Harrison's Rocks, was supposed to be entirely lost until I rediscovered it, in 1839, at Eridge. beautiful Hymenophyllum, named from its occurrence here, is still found, although much more sparingly than of old, on most of our sand rocks. The Asplenium lanceolatum may also be seen, though now very rarely, on the rocks; and the beautiful Gentiana Pneumonanthe, and the rare and curious Malaxis paludosa, in their season, still occur in the forests. I have not been so fortunate as to meet with all of the plants enumerated Forster, but I have had the pleasure of finding several of those which were supposed to have been included by mistake, and it may be reasonably hoped that others may yet reoccur. An asterisk is prefixed to the name of species inserted on the sole authority of the Flora Tonbridgensis, and the habitat included between brackets, except among the Agarics, which are borrowed almost entirely from that work.

The form adopted presents at one view, the name of the plant, a reference to the figure in English Botany, or in some other work of authority, to which I had access, the time of flowering and the locality, giving of common plants merely the usual place of growth, and of those of less frequent occurrence one or more habitats, according to their rareness or interest. The nomenclature and general arrangement are those of Sir W. J. Hooker, in the 4th edition of his widely circulated British Flora, except in some Cryptogamic Orders. In the Algæ, in particular, I have adopted the arrangement of two gentlemen who have

made them peculiarly their study, Mr. Ralfs and Mr. Hassall, and to them I have to profess my deep obligation for their assistance. I have carefully acknowledged the aid of other friends under the species regarding which they have respectively supplied information; but I must not omit peculiar thanks to Mr. Borrer and Mr. Woods, without whose encouragement and general assistance I should have scarcely undertaken the work; to Mr. R. Scott for his assistance as to the plants of the chalk district, and to Mr. Baxter, of the botanic garden at Oxford, for the pains which he took in superintending the execution of the plates.

E. JENNER.

SUPPLEMENT.,



## SUPPLEMENT.

#### ADDITIONAL PLANTS

Discovered during the printing of this list.

Genera and Species. Nat. Order. Time of Mat. English Name, Localities, and other remarks.

ALLIUM oleraceum

Hypericum dubium

CAREX montana

> elongata (Eng. Bot. 19. 20.)

WEISSIA lanceolata (Musc. Brit. t. 14. Grimmia, Eng. Bot. 1408.)

CINCLIDOTUS riparius \$\beta\$ terrestris

terrestris May. (Bryol. Eur. Ripariaceæ, t, 2.)

ORTHOTRICHUM

Sprucii, Montagne June.

Stramineum, Hornsch.

BRYUM atropurpureum May. (Weis. & Mohr.)

Between the Swiss Cottage and Fisher's Castle. Mr. Sharp.

In a meadow on the left side of the road to Eridge. Mr. Borrer. (Probably H. maculatum, Bab. Man.)

Borders of fields by the road between Tunbridge Wells and Eridge. Mr. W. Mitten.

Near Tunbridge, by the Medway and neighbouring ditches.

Near Maidstone, on a wall between the bridge and the Bower Gate.

Posts, &c. within the reach of floods, at Tunbridge.

On old posts, &c. within the reach of floods at Etchingham & Tunbridge.

On beech trees in Knole Park, Sevenoaks.

Eridge, Tunbridge, and elsewhere, not uncommon.—A variety of extraordinary size, with elongated capsules, on a wall at "Lightlands" in the parish of Wadhurst, May, 1844. It differs from the ordinary state of Bryum atropurpureum in its large size, (not at all inferior to the average of Br. cæspiticium,) in the long neck of the capsule, and in the fragile and, occasionally, imperfectly formed inner peristome.

#### ADDITIONAL PLANTS.

Genera and Nat. Order. English Name, Localities, and Species. Time of Mat. other remarks. inclinatum Ashdown Forest. May. (Bruch, and Schim.) cernuum May, June. On walls, rocks, &c. at Tunbridge (Bruch, and Schim.) Wells; Heathfield; Brightling, and elsewhere. HYPNUM cœspitosum About the roots of trees, &c. within (Eng. Bot. Supt. 2878.) the reach of floods at Tunbridge, DRAPARNALDIA tenuis Between Pembury and Tunbridge: Hawkhurst Moor; Goudhurst, &c. ZYGNEMA insigne, Hass. MS. May. In a pond about 11 miles from Wadhurst, on the left of the road towards Frant, May, 1845. OSCILLATORIA virescens, Hass. MS. On a bank between Riverhead and Chipstead. On sand rocks on Tunbridge Wells contexta Common, &c. terebriformis, Hass. MS, Tunbridge Wells and elsewhere, on the ground, &c. SPIRILLUM Jenneri, Hass. MS. In the pond on the Down, and in a ditch at Tunbridge. Nostoc foliaceum Westerham. HAMATOCOCCUS arenarius, Hass. MS. On the "Sweep's Rock" on Tunbridge Wells Common. On rocks at Fisher's Castle. furfuraceus On sand rocks at Uckfield Lake. microsporus, Hass. MS. COLEOCHÆTA On the leaves of Poa fluitans in the scutata pond at Ramslye. STAURASTRUM Piltdown Common, &c. mamillosum, Ralfs MS. COSMARIUM Ashdown Forest. cylindricum, Ralfs (Ralfs Ann. vol. 14. p. 392, t. 11. fig. 1.) CLOSTERIUM Ehrenbergii, Mgh. Framfield Common. (Mgh. Synop. Des. in Linn. 1840. p. 232. Cl. Lunula, Ehr. Infus. t.5.f.15.n.2.) Rusthall Common, and in the pond Leibleinii, Kütz.

between Ramslye and Broadwater

Forest, Framfield, &c.

(Kütz. Synop. Diat. in Linn. 1833. f. 79. Mgh. Syn. Des. in

Linn, 1840. p. 232.)

Genera and Species. Nat. Order. Time of Flow. English Name, Localities, and other remarks.

Dianæ, Ehrenb. (Ehr. Infus. t. 5. f. 17. Clost. arcuatum, Breb.) Between Ramslye and Broadwater Forest.

Baillyanum, Breb. sulcatum, Breb.

Waterdown Forest, &c. Waterdown Forest.

PEDIASTRUM

hexactis (Micrasterias, Ehr. Infus. t. 11. f. 3 b.) Ashdown Forest.

SCENEDESMUS

obtusus, Meyen. (Ralfs Ann. vol. 15, p. 404, t, 12, f, 8.) Ashdown Forest.

PEZIZA

stercorea

On cow dung, not unfrequent.

BULGARIA

inquinans
(Peziza polymorpha, Sow. t. 428.
Trem. turbinata, Fl. Ton. p. 165.)

On old stumps and pollards of Ash, oak, and beech trees, &c.

NIDULARIA

striata

On an old stump of a tree at Hamsel. Mr. W. W. Reeves.

PUCCINBA

graminis

B Arundinis

Primulæ

By the stream between Eridge and Dengate. Mr. W. W. Reeves.

On Primula vulgaris, Eridge Park.

Compositarum

variabilis

On Centaurea nigra, Homewood, near Tunbridge Wells.

On Leontodon Taraxacum, frequent about Tunbridge Wells. Mr. W. W. Reeves.

Violarum

On Viola canina, on Frant Forest. Mr. W. W. Reeves.

**ÆCIDIUM** 

Valerianacearum

Saniculæ, MS.

On Valeriana dioica, between Rusthall Common and Speldhurst.

Eridge Park. This interesting addition to the British Flora was discovered by Mr. W. W. Reeves, a most indefatigable botanist.

Periclymeni

On the Honeysuckle, frequent about Tunbridge Wells.

Epilobii

On Epilobium montanum, in the Twenty Acre Wood. Mr. W. W. Reeves. Not unfrequent on Epilobium hirsutum.

Genera and Species.

Nat. Order. Time of Flow. English Name, Localities, and

crassum

Orobi

Urticæ

UREDO apiculosum Lini On Rhamnus catharticum, Hever. Mr. W. W. Reeves. Tunbridge, &c.

On Orobus tuberosus, Homewood, near Tunbridge Wells. Mr. W. W. Reeves.

On Urtica dioica, by the river at Hever. M. W. W. Reeves.

On Hieracia, in Hurst Wood. On Linum catharticum, frequent.

# ADDITIONAL HABITATS.

| P   | ige                  |   |  |  |
|-----|----------------------|---|--|--|
| 3   | Iris fœtidissima     | In a meadow between Bidborough and Penshurst.   |  |  |
| 7   | Dipsacus pilosus     | In a lane between Southborough and Vauxhall. $Mr$ . $J. Sharp$ .  |  |  |
| 12  | Rhamnus catharticus  | Hever. Mr. W. W. Reeves. About Tunbridge, &c.   |  |  |
| 14  | Ægopodium Podagraria | Southborough. Mr. J. Sharp. Pembury; several places about TunbridgeWells, and elsewhere, particularly by gardens. |  |  |
| 17  | Narcissus biflorus   | In a meadow at Groombridge.   |  |  |
| 19  | Rumex palustris      | Yalding, Tudely, &c., plentiful.  |  |  |
| 20  | Polygonum Bistorta   | Bayham; Coombe Bank; Brasted, &c.   |  |  |
| 43  | Inula Helenium       | Mayfield. Wm. Borrer, Esq.  |  |  |
| 16  | Malaxis paludosa     | In a boggy spot, not far from Eridge Rocks, (Phytol. ii. 43.) Messrs. Woodward, and Sharp.                        |  |  |
| 54  | Aspidium recurvum    | Rocks at Fisher's Castle.   |  |  |
| 58  | Gymnostomum ovatum   | By the park pales at Teston, plentiful, Mar., 1844.   |  |  |
| 62  | Tortula latifolia    | One plant in fruit on an old bridge between Tun-<br>bridge and the Powder Mills, May, 1844.                       |  |  |
| 77  | Endocarpon Hedwigii  | On the bank by the roadside between Frant and Bellsewe Green, abundant, March, 1845. Mr. W. W. Reeves.            |  |  |
| 94  | Oscillatoria nigra   | Sevenoaks, November, 1844, abundant.  |  |  |
| 98  | Closterium acerosum  | Waterdown Forest, and Uckfield.   |  |  |
|     | rostratum            | Rusthall Common; Hurstwood, &c.   |  |  |
| 125 | Æcidium laceratum    | Eridge. E. J. At Tunbridge. Mr. W. W. Reeves.   |  |  |

#### ERRATA.

Besides the following errata considerable care has not availed to prevent some typographical errors of minor importance, for which I have to beg the indulgence of my readers.

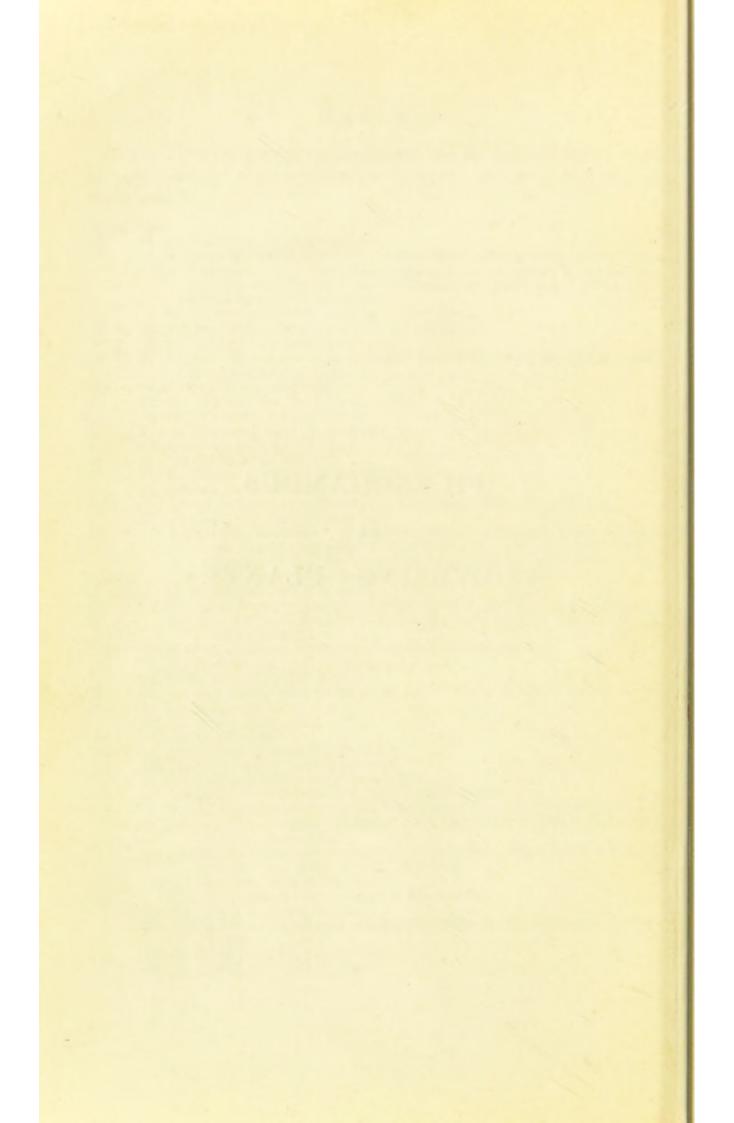
Page line 18, for Graminæ, read Gramineæ. 3, to Primula elatior, the figure in Eng. Bot. is erroneously quoted: the 11 Essex plant there represented has not been observed in our district, but only the varying forms between P. vulgaris and P. veris, supposed by some to be hybrid. 18 8, for Juneus uliginosus, read Juneus supinus, Bab. 19 19, for Psendo plantanus, read Pseudo platanus. 20 5, for Ornigrarieæ, read Onagrarieæ. 12, I believe E. palustre is E. virgatum, Bab. Man. where the true E. palus-20 tre is regarded as distinct. 29 6, for fluviatilis, read fluitans. 30 19, for Chamcepitys, read Chamcepitys, 35 6, for Sinapsis, read Sinapis. 42 27, for Eigeron, read Erigeron. 45 13, mucifera, read musoifera. 11, for diocia, read dioica. 47 47 21, for Goodenooii, read Goodenovii. 13, for Sagitaria, read Sagittaria. 49 Alnus glutinosa is inadvertently introduced here a second time. 13, for Smilaceæ, read Dioscoreæ. 50 52 Equisetum fluviatile. This plant ought to bear the name of limo-sum, it being certainly E. limosum, Linn, whilst it is still doubt-ful, after all that has been written about it, whether E. fluviatile, 56 Linn. may not be distinct. Note, for F. Taylor, read T. Taylor. 57 18 instead of Bryum gracile, read Orthodontium gracile, (Bruch. & Schim.) 63 Omitted, between Leucodon sciuroides and Neckera pumila, Div. 2, 65 Diploperistomi. to 74, instead of Musci for the heading, read HEPATICE. 70 7, for FAGETELLA, read FEGETELLA. Note, for O. cevasi, read O. Cerasi. 76 13, for quadricola, read quadricolor. 79 81 13, for was, read were. 15, for proves, read prove. 2, for is, read are. 82 4, for Westathly, read Westhoathly. 84 22, for Calicicium, read Calicium. 23, for Turner's Mill, read Turner's Hill. 86 92 10, instead of Schistochilum, read Spherozosma. 96 5, Add to Cosmarium Cucurbita, Breb. (Ralfs Ann. vol.14.p.395.t.11.f.10.) 14, instead of Closterium rostratum, (Ehr. Inf. t, 6. f. 10.) read Closterium 98 Ralfsii, Breb. M.S. 15, instead of Closterium Acus, read C. rostratum, (Ehrenb. Inf. t. 6. f. 10. Clost. Acus, Kütz. Synop. Diat. f. 81.) 3, for micacens, read micaceus. 111 Omitted before RETICULARIA \* \* Myxogastres. 121 18, for smothers, read smother. 29, Add the name Lycoperdonoides to Agaricus in the references to Sow. t. 383, 15, for Berberides, read Berberidis, 122

27, for Dermatiei, read Dematiei.

# PHÆNOGAMOUS

OR -

FLOWERING PLANTS.



# PHÆNOGAMOUS, OR FLOWERING PLANTS.

#### CLASS I. MONANDRIA.

In this Class we have now in the British Flora only two Genera, Salicornia (Glasswort), maritime plants, and Hippuris (Mare's Tail). Of the latter there is but one species, Hippuris vulgaris, usually found in still waters, and not unlikely therefore to be found growing about Tunbridge Wells, although I am unacquainted with any locality nearer than the Lewes Levels.

#### CLASS II. DIANDRIA.

#### Order 1. Monogynia.

| Genera and  <br>Species. | Tab. of Eng. Botany. | Nat. Order,<br>time of Flow. | English Name, Localities, and other remarks.          |
|--------------------------|----------------------|------------------------------|---|
| LIGUSTRUM                | _                    | Jasmineæ.                    | Privet.   |
| vulgare,                 | 764.                 | June and July.               | Hedges, &c., frequent.                                |
| VERONICA                 |                      | Scrophularineæ.              | Speedwell.  |
| serpyllifolia,           | 1075.                | May-July.                    | Road sides, &c., abundant.                            |
| scutellata,              | 782.                 | July, Aug.                   | Wet places, common.                                   |
| Anagallis,               | 781.                 | July, Aug.                   | Wet places.   |
| Beccabunga,              | 655.                 | Summer.                      | Water courses, ditches, &c., very common.             |
| officinalis,             | 765.                 | May-July.                    | Banks, and other dry situa-<br>tions, common.         |
| montana,                 | 766.                 | May, June.                   | Withyham. Moist woods, not common.                    |
| Chamædrys,               | 623.                 | May, June.                   | Hedge banks, &c., common.                             |
| hederifolia,             | 784.                 | April—June.                  | Corn fields, &c.                                      |
| agrestis,                | 2603. Sup.           | April—Sept.                  | Cultivated ground, very com.                          |
| polita,                  | 783.                 | April—Sept.                  | Cultivated ground, frequently with the above, common. |
| arvensis,                | 734.                 | Spring & Sum,                | Cultivated ground, walls, &c.                         |

# TRIANDRIA.-MONOGYNIA.

| Genera and   T                                    | ab. of Eng. Botany. | Nat. Order,<br>time of Flow. | English Name, Localities, and other remarks.  |  |
|---|---------------------|------------------------------|---|--|
| UTRICULARIA                                       | _                   | Lentibulariæ.                | Bladderwort.  |  |
| vulgaris,   | 253.                | June. July.                  | Ditches, &c., generally in still waters.  |  |
| LYCOPUS   |                     | Labiatæ.                     | Gypsywort.  |  |
| europæus,   | 1105.               | June, July.                  | Wet places in woods, ditches, banks of rivers, &c.  |  |
| SALVIA  |                     |                              | Sage or Clary.  |  |
| pratensis,  | 153.                | July.                        | Cuxton. Joseph Woods, Esq.  |  |
| verbenaca,  | 154.                | June, July.                  | Dry banks.  |  |
| CIRCEA  |                     | Onagrariæ.                   | Enchanter's Nightshade.   |  |
| lutetiana,  | 1056.               | June, July.                  | By the footpath from Frant to<br>Eridge. Shady situations in<br>woods and plantations, fre-<br>quent. |  |
| FRAXINUS  |                     | Jasmineæ.                    | Ash.  |  |
| excelsior,  | 1692.               | April, May.                  | Woods and hedges.   |  |
| LEMNA   |                     | Pistiaceæ.                   | Duckweed.   |  |
| trisulca,   | 926.                | June, July.                  | Stagnant waters.  |  |
| minor,  | 1095.               | July.                        | Stagnant waters.  |  |
| polyrrhiza,                                       | 2458.               | Flow. unknown in Britain.    | Stagnant waters.  |  |
| gibba,  | 1233.               | June—Sept.                   | Stagnant waters.  |  |
| Order 2. DIGYNIA.                                 |                     |                              |   |  |
| ANTHOXANTHUM Graminæ.' Sweetscented Vernal Grass. |                     |                              |   |  |
| odoratum,   | 647.                | May, June.                   | Meadows, &c., common.   |  |

#### CLASS III. TRIANDRIA.

### Order 1. Monogynia.

| VALERIANA    |       | Valerianeæ. | Valerian.  |
|--------------|-------|-------------|--|
| rubra,       | 1531. | June—Sept.  | Old walls, &c., not indigenous.  |
| dioica,      | 628.  | May, June.  | Wet places about the High<br>Rocks, &c.  |
| officinalis, | 698.  | June. July. | Ditches, sides of rivers, and<br>moist places, common; some-<br>times in dry situations. |
| FEDIA        |       |             | Corn Sallad.   |
| olitoria,    | 811.  | April-June. | Cultivated ground.   |
| dentata,     | 1370. | June, July. | Cultivated ground.   |
| β mixta,     |       | June, July. | Cultivated ground.   |

### TRIANDRIA.-DIGYNIA.

|                | b. of Eng. Botany. | Nat. Order,<br>time of Flow. | English Name, Localities, and other remarks.  |
|----------------|--------------------|------------------------------|---|
| IRIS -         | -                  | Irideæ.                      | Flower de Luce.   |
| Pseud-acorus,  | 578.               | June, July.                  | Ditches and watery places.  |
| fœtidissima,   | 596.               | May.                         | [Between Sevenoaks and Tun-<br>bridge, by the 27th mile stone.<br>Forster]. About two miles from<br>Eridge, by a hedge in the fields<br>between Dengate and Brown-<br>ings. Mr. W. W. Reeves. |
| RHYNCHOSTORA   |                    | Cyperaceæ.                   | Beak Rush.  |
| alba,          | 985.               | June—July.                   | Bog on Waterdown Forest; bogs<br>near Duddle's Well Toll Gate,<br>and near Forest Row, and else-<br>where on the forests.   |
| SCIRPUS        |                    |                              | Club Rush.  |
| lacustris,     | 666.               | July, August.                | Bull Rush. Rivers, lakes and ponds.   |
| setaceus,      | 1693.              | July, August.                | Boggy and spongy places on the forests, &c.   |
| sylvaticus,    | 919.               | June, July.                  | Moist woods, marshy places, &c.   |
| ELEOCHARIS     |                    |                              | Spike Rush.   |
| palustris,     | 131.               | June, July.                  | Ditches and wet places, common.   |
| multicaulis,   | 1187.              | July.                        | Marshy places.  |
| pauciflora,    | 1122.              | July, August.                | Here and there in boggy places on the forests, &c.  |
| cæspitosa,     | 1029.              | June, July.                  | Very common on the forests.   |
| acicularis,    | 749.               | July, August.                | Waterdown Forest. Forster. Edges of ponds, pits, and other places covered with water du- ring winter.   |
| fluitans,      | 216.               | June, July.                  | Pools and slow streams, common.   |
| ERIOPHORUM     |                    |                              | Cotton Grass.   |
| vaginatum,     | 873.               | March—May.                   | In the bog at Fisher's Castle.  Mr. W. W. Reeves.   |
| angustifolium, | 564.               | April.                       | On the forests, common.   |
| Nardus         |                    | Gramineæ.                    | Mat Grass.  |
| stricta,       | 290.               | June.                        | On the forests, and in heathy places, common.   |
| :010           |                    | Order 2. Digy                | NIA.  |
| ALOPECURUS     |                    | Gramineæ.                    | Foxtail Grass.  |
| pratensis,     | 759.               | May, June,                   | Meadows, common.  |
| agrestis,      | 848.               | June, July.                  | Corn fields, too common.  |
| geniculatus,   | 1250.              | June—August.                 | Wet places, very common.  |

# TRIANDRIA.-DIGYNIA.

| Genera and   Species. | Tab. of Eng<br>Botany. | Nat. Order, time of Flow. | English Name, Localities, and other remarks.  |
|-----------------------|------------------------|---------------------------|---|
| PHALARIS              |                        | _                         | Canary Grass.   |
| canariensis,          | 1310.                  | July.                     | On rubbish, by road sides, and in corn fields, frequent, but not indigenous.  |
| arundinacea,          | 402.                   | July, August.             | Ponds, on the banks of rivers, &c.  |
| PHLEUM                |                        |                           | Catstail Grass.   |
| pratense              | 1076.                  | June.                     | Meadows, &c. common.  |
| MILIUM                |                        |                           | Millett Grass.  |
| effusum,              | 1106.                  | June.                     | Shady woods.  |
| GASTRIDIUM            |                        |                           | Nit Grass.  |
| lendigerum,           | 1107.                  | August,                   | Corn fields, near the High Rocks, and Langton Green, and in the private lane from Bayham to Lamberhurst. Forster. It is by no means unfrequent in the weald both in Sussex & Kent.  Small Reed. |
| Epigejos,             | 403.                   | June, July.               | In a wood near the High Rocks, towards the Wells. Forster. In woods, not common.  |
| AGROSTIS              |                        |                           | Bent Grass.   |
| canina,               | 1856.                  | June, July.               | On the forests, & on heaths, com.   |
| setacea,              | 1188.                  | July, August.             | In one spot on the forest, near Heathfield. W. Borrer, Esq.   |
| *Spica-venti,         | 951.                   | June, July.               | [Cornfields near the High Rocks. Forster].  |
| vulgaris,             | 1671.                  | June, July.               | Very common.  |
| β aristata,           |                        | June, July.               | Common.   |
| γ pumila,             |                        | June, July.               | Common.   |
| alba,                 | 1189.                  | July, August.             | Pastures, road sides, corn fields, &c. common.  |
| CATABROSA             |                        |                           | Whorl Grass.  |
| aquatica,             | 1557.                  | May, June.                | In the Folly behind the Sussex<br>Hotel. Forster. In wet places<br>not unfrequent.  |
| AIRA                  |                        |                           | Hair Grass.   |
| cristata,             | 648.                   | June, July.               | Here and there on the chalk hills<br>from Knockholt to Wrotham.   |
| cæspitosa,            | 1453.                  | June-August.              | Woods and moist places, com.  |
| flexuosa,             | 1519.                  | July.                     | Sand rocks, heaths, and other places, common.   |
| caryophyllea,         | 812.                   | June, July.               | Tunbridge Wells Common, and other dry or barren places.   |
| præcox,               | 1296.                  | May, June.                | Sand rocks, Tunbridge Wells Com-<br>mon, &c., abundant.   |

### TRIANDRIA.-DIGYNIA.

|                | b. of Eng.<br>Botany. | Nati Order.<br>Time of Flow. | English Name, Localities, and other remarks.  |
|----------------|-----------------------|------------------------------|---|
| MELICA         |                       |                              | Melic Grass.  |
| uniflora,      | 1058.                 | May-July.                    | Woods and hedge banks, com.   |
| cærulea,       | 750.                  | August.                      | On the forests &c., very common,  |
| Holcus         |                       |                              | Soft Grass.   |
| mollis,        | 1170.                 | July.                        | Woods, hedges, &c.  |
| lanatus,       | 1169.                 | June, July.                  | Meadows, &c., common.   |
| ARRHENATHERUM  | I                     |                              | Oatlike Grass.  |
| avenaceum,     | 813.                  | June, July.                  | Hedges, pastures, &c.   |
| Poa            |                       |                              | Meadow Grass.   |
| aquatica,      | 1315.                 | July, August.                | Sides of rivers, ponds, & ditches.  |
| fluitans,      | 1520.                 | June—Aug.                    | Streams, ditches, and watery places, common.  |
| rigida,        | 1371.                 | June.                        | Sand rocks, walls, and barren heaths.   |
| compressa,     | 365.                  | June, July.                  | [On walls and dry pastures, Forster.] Although this plant has been repeatedly sought for, I am not aware of its being   |
|                |                       |                              | found growing in any place<br>nearer Tunbridge Wells than<br>Sundridge, where it was dis-<br>covered by W. Borrer, Esq. |
| trivialis,     | 1072.                 | June, July.                  | Meadows and other places, com.  |
| pratensis,     | 1073.                 | June, July.                  | Meadows, &c., common.   |
| β angustifolia | ,                     | June, July.                  | In woods, &c. A slender state of<br>the species, found only in shady<br>places.   |
| annua,         | 1141.                 | Spring & Sum.                | Very common.  |
| nemoralis,     | 1265.                 | June, July.                  | In woods, common.   |
| TRIODIA        |                       |                              | Heath Grass.  |
| decumbens,     | 792.                  | July.                        | TunbridgeWells Common, on the forests, and other places.  |
| BRIZA          |                       |                              | Quaking Grass.  |
| media,         | 340.                  | June.                        | Meadows & road sides, common.   |
| DACTYLIS       |                       |                              | Cocksfoot Meadow Grass.   |
| glomerata,     | 335.                  | June, July.                  | Meadows, woods, way sides, &c.,   |
| CYNOSURUS      |                       |                              | Dogstail Grass.   |
| cristatus      | 316.                  | June, July.                  | Meadows, abundant.  |
| FESTUCA        |                       |                              | Fescue Grass.   |
| ovina,         | 585.                  | June, July.                  | Common.   |
| ð tenuifolia,  |                       | June, July.                  | Between Tunbridge Wells and<br>Frant, and other places, com,  |
|                |                       |                              |   |

#### TRIANDRIA.—DIGYNIA.

| Genera and  <br>Species. | Tab. of Eng.  <br>Botany. | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.   |
|--------------------------|---------------------------|------------------------------|--|
| duriuscula,              | 470.                      | June, July.                  | Pastures, &c., common.   |
| bromoides,               | 1411.                     | June.                        | On Tunbridge Wells Common,<br>sand rocks, walls, and barren<br>places, frequent.   |
| Myurus,                  | 1412.                     | June.                        | Walls, sand rocks, &c.   |
| calamaria,               | 1005.                     | July.                        | Harrison's Rocks. Mr.E.Forster.  |
| loliacea,                | 1821.                     | June, July.                  | Moist meadows about Tunbridge, plentiful.  |
| pratensis,               | 1592.                     | June, July.                  | Meadows and pastures.  |
| elatior,                 | 1593.                     | June, July.                  | [Moist meadows and on banks of rivers. Forster].   |
| BROMUS                   |                           |                              | Brome Grass.   |
| giganteus,               | 1820.                     | July, August.                | Damp places by hedge sides, &c.  |
| β triflorus,             | 1918.                     | July, August.                | In woods.  |
| asper,                   | 1172.                     | June, July.                  | Woods and hedges, common.  |
| sterilis                 | 1030.                     | June, July.                  | Waste ground by road sides and hedges.   |
| secalinus                | 1171.                     | July, August.                | Near Burnt House, Mayfield.<br>Jos. Woods, Esq.  |
| mollis                   | 1078.                     | June.                        | Meadows, road sides, corn fields, &c., very common.  |
| racemosus                | 1079.                     | June, July.                  | Meadows and pastures.  |
| * squarrosus             | 1885.                     | June, July.                  | [Said, by <i>Hudson</i> , to have been found near Maresfield].   |
| erectus                  | 471.                      | July.                        | [In fields between the High<br>Rocks and Waterdown Forest.<br>Forster]. Morant's Court Hill<br>and elsewhere on the Chalk. |
| AVENA                    |                           |                              | Oat, or Oat Grass.   |
| fatua                    | 2221.                     | June, August.                | Corn fields, too frequent.   |
| pratensis                | 1204.                     | June.                        | [Meadows & pastures. Forster].<br>On the chalk hills above St.<br>Clare, Morant's Court Hill, &c.                          |
| pubescens                | 1640.                     | June.                        | On the chalk hills about Wrotham and elsewhere.  |
| flavescens               | 952.                      | July.                        | Meadows, &c., common.  |
| ARUNDO                   |                           |                              | Reed.  |
| phragmites               | 401.                      | July.                        | Ditches, margins of ponds and rivers, common.  |
| ELYMUS                   |                           | ple state                    | Elymus.  |
| europæus                 | 1317.                     | June.                        | Thicket by the road side at River Hill, near Sevenoaks. W. Borrer, Esq.  |
| HORDEUM                  |                           |                              | Barley.  |
| murinum                  | 1971.                     | June, July.                  | Waste grounds, and under walls.  |
| pratense                 | 409.                      | June, July.                  | Meadows and pastures.  |

### TRIANDRIA.-TRIGYNIA. TETRANDRIA.-Monogynia.

| Genera and   Species. | Tab. of Eng.<br>Botany. | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.   |
|-----------------------|-------------------------|------------------------------|--|
| TRITICUM              |                         |                              | Wheat Grass.   |
| * caninum             | 1372.                   | July.                        | [Woods and hedges, not very common. Forster].  |
| repens                | 909.                    | June-Sept.                   | Couch Grass, very common.  |
| BRACHYPODIUM          | 1                       |                              | False Brome Grass.   |
| sylvaticum            | 729.                    | July.                        | Hedges, woods, &c.   |
| pinnatum              | 730.                    | July.                        | On the sides of the hill between St. Clare and Wrotham, &c.  |
| LOLIUM                |                         |                              | Darnel, or Rye Grass.  |
| perenne               | 315.                    | June, July.                  | Meadows, way sides, common.  |
| temulentum            | 1124.                   | July.                        | In great abundance in 1813, near the High Rocks. Forster. It was shewn to me by Mr. W. W. Reeves in a corn field near the Cold Bath, in October, 1841, in great abundance. |
| β arvense             | 1125.                   | July.                        | In a corn field on Ashdown Forest, near Duddle's Well, and other places, not common.   |
| and a self hands      |                         | Order 3. TRIG                | YNIA.  |
| MONTIA.               |                         | Portulaceæ.                  | Water Blinks.  |
| fontana               | 1206.                   | May, July.                   | Wet places, very common.   |

#### CLASS IV. TETRANDRIA.

#### Order 1. Monogynia.

| DIFSACUS   |       | Dipsaceæ.     | Teasel.  |
|------------|-------|---------------|--|
| sylvestris | 1032. | July.         | Road sides, hedges, &c., com.  |
| pilosus    | 877.  | August, Sept. | Boughton Monchelsea. Mr. W. W. Reeves.   |
| KNAUTIA    |       |               | Field Scabious,  |
| arvensis   | 659.  | July.         | Corn fields and pastures.  |
| SCABIOSA   |       |               | Scabious.  |
| succisa    | 878.  | July-Oct.     | Meadows and on the forests, com.   |
| columbaria | 1322. | July, Aug.    | [On the Rocks and other dry stony places. Forster]. Morant's Court Hill, and on the Downs above St. Clare, &c. |
| GALIUM     |       | Rubiaceæ.     | Bed Straw.   |
| verum      | 660.  | July, Aug.    | Banks and way sides, common.   |
| cruciatum  | 143,  | May, June.    | Hedge banks and other places.  |

### TETRANDRIA.-Monogynia.

| Genera and Species.      | Tab. of Eng. Botany. | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.  |
|--------------------------|----------------------|------------------------------|---|
| palustre                 | 1857.                | July.                        | Sides of ditches, rivulets, and wet places.   |
| β Witherin               | gii 2206.            | July.                        | By the rocks near Fisher's Castle.  |
| uliginosum               | 1972.                | August.                      | In the bogs on Waterdown For-<br>est, towards Eridge. Forster.<br>In wet places, not rare.  |
| saxatile                 | 815.                 | June-Aug.                    | On the forests & heaths, very com.  |
| Mollugo                  | 1673.                | July, Aug.                   | Hedges, bushey places, &c.  |
| parisiense β a<br>glicum | in- 384.             | June.                        | [On the Walls of Bayham Abbey. Forster].  |
| Aparine                  | 816.                 | June, July.                  | Very common.  |
| ASPERULA                 |                      |                              | Woodruff.   |
| odorata                  | 755.                 | May, June.                   | Woods and hedge sides, com.   |
| Cynanchica               | 33,                  | July, Aug.                   | [In dry places among the rocks near the Race ground, Tun-bridge Wells. Forster]. Common on the chalk hills from Knockholt to Wrotham.   |
| SHERARDIA                |                      |                              | Field Madder.   |
| arvensis                 | 891.                 | June—Aug.                    | High Rocks, Bayham Abbey, &c. Forster.  |
| PLANTAGO                 |                      | Plantagineæ.                 | Plantain.   |
| major                    | 1558.                | June, July.                  | Very common.  |
| media                    | 1559.                | June, July.                  | Common.   |
| lanceolata               | 507.                 | June, July.                  | Lamb's Tongue, Ribwort, Fire<br>Weed, &c. Meadows and pas-<br>tures, common.  |
| Coronopus                | 892.                 | June, July.                  | Buck's Horn Plantain. Abundant on Tunbridge Wells Common.   |
| CENTUNCULUS              |                      | Primulaceæ.                  | Chaff Weed.   |
| minimus                  | 531.                 | June, July.                  | By the road side from Tunbridge Wells to Frant. Forster. I gathered it at the same place, in company with Mr. Bentley, July 18th, 1840. |
| Cornus                   |                      | Corneæ.                      | Cornel.   |
| sanguinea                | 249.                 | June, July.                  | Hedges, woods, and thickets.  |
| PARIETARIA               | 020                  | Urticeæ.                     | Pellitory of the Wall.  |
| officinalis              | 879.                 | Summer.                      | On walls, &c.  Lady's Mantle.   |
| Alchemilla<br>vulgaris   | 597.                 | Rosaceæ. June, July.         | In Hendle Wood, uear Wood's Nursery, Maresfield. J. Woods, Esq. Hill Park, near Westerham. Mr. R. Scott.                                |
| arvensis                 | 1011.                | May-July.                    | Cultivated ground, common.  |

#### TETRANDRIA.-TETRAGYNIA. PENTANDRIA.-Monogynia.

| Genera and<br>Species. | Tab. of Eng.   Nat. Order.  <br>  Botany.   Time of Flow. | English Name, Localities, and other remarks.                            |
|------------------------|---|---|
| ISNARDIA<br>palustris  | Onagrariæ.<br>2593. Sup. July, August.                    | Isnardia.  Buxted, in an old iron pit, discovered by W. Borrer, Esq. in |
|                        |   | 1827.   |

#### Order 4. TETRAGYNIA.

| ILEX        |       | Ricineæ.      | Holly.  |
|-------------|-------|---------------|---|
| Aquifolium  | 496.  | May, June.    | In woods, hedges, and on the  |
| POTAMOGETON |       | Naiades.      | forests.  Pond Weed.  |
| densus      | 397.  | June, July.   | Ditches, very common.   |
| *pectinatus | 323.  | June, July.   | [In rivers at Tunbridge. Forster.]  |
| pusillus    | 215.  | June, July.   | Ditches and still waters.   |
| gramineus   | 2253. | June, July.   | Pond at Marden. J. Woods, Esq. and in a pond at the forge by the foot path from Maresfield to Piltdown. |
| crispus     | 1012. | June, July.   | Rivers and ditches, common.   |
| perfoliatus | 168.  | July.         | Rivers, ditches, and still waters.  |
| lucens      | 376.  | June, July.   | Streams, pools, &c.   |
| natans      | 1822. | June, July.   | Ponds and still waters, common.   |
| oblongus    |       | June, July.   | Between Hurstwood and Rust-<br>hall Common, and in boggy<br>places on the forests, abundant.            |
| SAGINA      |       | Caryophylleæ. | Pearl Wort.   |
| procumbens  | 880.  | May-Aug.      | Waste places, &c.   |
| apetala     | 881.  | May, June.    | Dry places, walls, &c.  |
| Mœnchia     |       |               | Mænchia.  |
| erecta      | 609.  | May.          | Tunbridge Wells Common, and on the forests, &c.   |
| RADIOLA     |       | Lineæ.        | All Seed.   |
| Millegrana  | 893.  | July, Aug.    | On the forests, heaths, and way sides, common,  |
|             |       |               |   |

### CLASS V. PENTANDRIA.

#### Order 1. Monogynia,

| Есниим       |      | Boragineæ.  | Viper's Bugloss.                   |
|--------------|------|-------------|------------------------------------|
| vulgare      | 181. | June, July. | Waste places, old walls, &c., com. |
| LITHOSPERMUM |      |             | Gromwell.                          |
| *officinale  | 134, | June.       | [On the High Rocks. Forster.]      |
| arvense      | 123. | May, June.  | Corn fields, waste ground, &c.     |

### PENTANDRIA.-Monogynia.

| Genera and   Species. | Tab. of Eng.  <br>Botany. | Nat. Order.<br>Time of Flow. | * English Name, Localities, and other remarks.  |
|-----------------------|---------------------------|------------------------------|---|
| SYMPHYTUM             |                           | _                            | Comfrey.  |
| officinale.           | 817.                      | June, July.                  | Penshurst, Tunbridge, &c., on<br>the banks of rivers, and in<br>watery places, frequent.  |
| Borago                |                           |                              | Borage.   |
| officinalis           | 36.                       | June, July.                  | Waste ground, &c.   |
| Lycopsis              |                           |                              | Bugloss.  |
| arvensis              | 938.                      | June, July.                  | Cornfields, hedge banks, &c.  |
| Myosotis              |                           |                              | Scorpion Grass.   |
| palustris             | 1973.                     | Summer.                      | Forget me not. Ditches and watery places, not common.   |
| repens                | 2703. Sup.                | May—Aug.                     | Between Tunbridge Wells Com-<br>mon and Hurstwood, and in<br>boggy places on the forests,<br>common.  |
| cæspitosa             | 2661. Sup.                | May, June.                   | Boggy and watery places.  |
| arvensis              | 2629. Sup.                | June—Aug.                    | Cultivated ground, &c.  |
| collina               | 2558.                     | April, May.                  | Sandy banks, & other dry places.  |
| versicolor            | 480.                      | April—June.                  | Banks at the High Rocks, and other places, common.  |
| CYNOGLOSSUM           |                           |                              | Hound's Tongue.   |
| officinale            | 921.                      | June, July.                  | Waste ground, and on rubbish, &c., common.  |
| *sylvaticum           | 1642.                     | June, July.                  | [At Withyham, and in the lane from the High Rocks to Rust-hall Common. Forster].  |
| ANAGALIS              |                           | Primulaceæ.                  | Pimpernel.  |
| arvensis              | 529.                      | Summer.                      | Cultivated ground, common.  |
| tenella               | 530.                      | July, Aug.                   | In mossy bogs on the forests, in abundance.   |
| LYSIMACHIA            |                           |                              | Loose strife.   |
| vulgaris              | 761.                      | July.                        | Shady wet places, and by the sides of rivers.   |
| nemorum               | 527.                      | Summer.                      | Woods by the High Rocks, and lother places.   |
| Nummularia            | 528.                      | June, July.                  | On the forests, and by the sides of f streams, common.  |
| CYCLAMEN              |                           |                              | Sow Bread.  |
| hederifolium          | 548.                      | Aug. Sept.                   | In woods at Sandhurst, and not as stated by Sir Wm. Hooker, in the British Flora, on Sandhurst Green; neither is it confined to one habitat. It is also stated in the British Flora to be found at Goudhurst, but I have not seen it there. |

### PENTANDRIA.-MONOGYNIA.

| Genera and  <br>Species. | Tab. of Eng.<br>Botany. | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.  |
|--------------------------|-------------------------|------------------------------|---|
| PRIMULA                  | 1                       |                              | Primrose.   |
| vulgaris                 | 4.                      | April, May.                  | Woods, hedge banks, pastures, &c.   |
| elatior                  | 513.                    | April, May.                  | Oxlip. Abundant about Wad-<br>hurst and Mayfield.   |
| veris                    | 5.                      | April, May.                  | Cowslip. Meadows, &c., com.   |
| HOTTONIA                 |                         |                              | Water Voilet.   |
| palustris                | 364.                    | June.                        | In ditches about Tunbridge, &c.   |
| MRNYANTHES               |                         | Gentianeæ.                   | Buck Bean.  |
| trifoliata               | 495.                    | June, July.                  | Bogs on Waterdown Forest, and other similar places, not com.  |
| ERYTHRÆA                 |                         |                              | Centaury.   |
| Centaurium               | 417.                    | July, Aug.                   | Hedge Banks, &c., common.   |
| pulchella                | 2305.                   | Aug., Sept.                  | In the cornfields between the<br>road to the High Rocks and<br>Rusthall Common, and other<br>places, not common.                            |
| Hyoscyamus               |                         | Solaneæ.                     | Henbane.  |
| niger                    | 591.                    | July.                        | On rubbish at Summer Hill<br>House. Forster. At Barden,<br>near Speldhurst; on Tunbridge<br>Wells Common, and at South-<br>borough in 1840. |
| ATROPA                   |                         |                              | Deadly-nightshade.  |
| Belladonna               | 592.                    | June.                        | Chalk hills about Kemsing. Mr. R. Scott.  |
| SOLANUM                  |                         |                              | $\mathcal{N}ightshade.$   |
| Dulcamara                | 365.                    | June, July.                  | In hedges and thickets, common.  A white variety of this grows in the hedge by the road side on leaving Tunbridge Wells by the Frant road.  |
| uigrum                   | 566.                    | June—Sept.                   | Waste places, &c., frequent.  |
| VERBASCUM                |                         | Scrophularineæ.              | Mullein.  |
| Thapsus                  | 549.                    | July, Aug.                   | Thickets, road sides, &c.   |
| Lychnites                | 68.                     | June, July.                  | Pratt's Bottom, and other places on the chalk.  |
| nigrum                   | 59.                     | July, Aug.                   | Banks and way sides.  |
| Blattaria                | 393.                    | July.                        | Cuxton. Jos. Woods, Esq.  |
| Convolvulus              |                         | Convolvulaceæ.               | Bind Weed.  |
| arvensis                 | 312.                    | June, July.                  | Cultivated ground, &c., very com.   |
| sepium                   | 313.                    | July, Aug.                   | Moist woods and hedges.   |

#### PENTANDRIA.-Monogynia.

| Genera and   T<br>Species.   T | ab. of Eng.  <br>Botany. | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.  |
|--------------------------------|--------------------------|------------------------------|---|
| VINCA                          | _                        | Apocyneæ.                    | Periwinkle.   |
| minor                          | 917.                     | May, June.                   | In woods, hedges, and thickets.<br>in the Weald of Kent and Sus-<br>sex, not uncommon.  |
| Samolus                        |                          | Primulacæ.                   | Brook Weed.   |
| *Valerandi                     | 703.                     | July.                        | Forster states that this formerly grew by the small stream near the High Rocks in great abundance.  |
| JASIONE                        |                          | Campanulaceæ.                | Sheep's Bit.  |
| montana                        | 882.                     | June, July.                  | On the rocks on Tunbridge Wells<br>Common; sandy banks, and<br>other places.  |
| PHYTEUMA                       |                          |                              | Rampion.  |
| orbiculare                     | 142.                     | August.                      | Morant's Court Hill, on the<br>downs above Ightham and to-<br>wards Wrotham, common on<br>the chalk.  |
| spicatum                       | 2598. Sup.               | June, July.                  | Mayfield, Waldron, &c., first detected in the former parish by the Rev. Ralph Price, in 1825. It grows in the woods at Warbleton in such abundance that no one who saw it there could doubt its being a native. |
| CAMPANULA                      |                          |                              | Bell Flower.  |
| rotundifolia                   | 866.                     | July-Sept.                   | Very common.  |
| Trachelium                     | 12.                      | July, Aug.                   | Woods and thickets.   |
| glomerata                      | 90.                      | July, Aug.                   | [On Harrison's Rocks. Forster.] Morant's Court Hill, and on the chalk hills between St. Clare and Wrotham.  |
| hederacea                      | 73.                      | July, Aug.                   | In mossy bogs on the forests, com.  |
| *hybrida                       | 375.                     | July, Aug.                   | [Near the High Rocks. Forster.]   |
| LONICERA                       |                          | Caprifoliaceæ.               | Honey Suckle.   |
| Periclymenur                   | n 800.                   | June-Oct,                    | Woods and hedges.   |
| RHAMNUS                        |                          | Rhamneæ.                     | Buckthorn.  |
| catharticus                    | 1629.                    | May, June.                   | [In the lanes towards Woodsgate. Forster.] In the hedges on the chalk about Wrotham, abundt.  |
| Frangula                       | 250.                     | May.                         | In woods, &c., common.  |
| EUONYMUS                       |                          | Celastrineæ.                 | Spindle Tree.   |
| europæus                       | 362.                     | May.                         | In the lane between Smockham<br>Mill and Broomhill. In woods<br>and hedges, not unfrequent.   |

#### PENTANDRIA.-Monogynia.-Digynia.

| Genera and   To            | ab. of Eng.<br>Botany. | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.  |
|----------------------------|------------------------|------------------------------|---|
| VIOLA                      | _                      | Violarieæ.                   | Violet.   |
| hirta                      | 894.                   | April, May.                  | [On the High and other Rocks Forster]. Penshurst, and on the chalk about Wrotham, &c.   |
| odorata                    | 619.                   | March, April.                | Banks and pastures ; not common about Tunbridge Wells.  |
| palustris                  | 444.                   | April—June.                  | On all the bogs in the neighbour-<br>hood.  |
| canina                     | 620.                   | April—Aug.                   | Banks & pastures, very abundant.  |
| β minor<br>(flavicornis, § | 2736. Sup<br>Smith)    | April—Aug.                   | On Tunbridge Wells Common, and on the forests.  |
| lactea                     | 445.                   | May.                         | First discovered by T. F. Forster,<br>Esq. on Waterdown Forest; it<br>is also found at Heathfield, and<br>here and there throughout the<br>forest district. |
| tricolor                   | 1287.                  | Summer.                      | Cultivated ground, common.  |
| β arvensis                 | 2712. Sup              | o. Summer.                   | Cultivated ground, common.  |
| RIBES                      |                        | Grosulariea,                 | Currant and Gooseberry.   |
| rubrum                     | 1289.                  | May.                         | In hedges and thickets, frequent.  Neither this nor the two following species are considered indigenous, the seed being supposed to be dropped by birds.    |
| nigrum                     | 1291.                  | May.                         | Hedges and thickets, common.  |
| Grossularia<br>Hedera      | 1292.                  | April, May.<br>Araliaceæ.    | Hedges and thickets, common.  Ivy.  |
| Helix                      | 1267.                  |                              | In hedges, woods, climbing old<br>buildings, trunks of trees, &c.   |
|                            |                        | Order 2. Digy                |   |
| GENTIANA                   |                        | Gentianeæ.                   | Gentian.  |
| Pneumonanthe               | e 20.                  | Aug., Sept.                  | On Waterdown, Broadwater and Ashdown forests, and here and there in all the forest district.  |
| Amarella                   | 236.                   | July—Sept.                   | On Ashdown Forest, near Wood's Nursery. J. Woods, Esq.  |
| campestris                 | 237.                   | Aug.                         | Ashdown Forest, with G. Ama-<br>rella. Mr. Furner.  |
| CUSCUTA                    |                        | Convolvulacea.               | Dodder.   |
| europæa                    | 378.                   | Aug., Sept.                  | [Withyham. Forster]. AtWater-<br>ingbury, on the banks of the<br>Medway. Mr. W. W. Reeves.  |
| trifolii +                 |                        | August                       | On clover, at Barden, near Tun-<br>bridge, abundant Aug., 1842.   |
| Epithymum                  | 55.                    | July, Aug.                   | Parasitic, on heath and furze on<br>the forests and on Tunbridge<br>Wells Common, abundant.   |

<sup>+</sup> Mr. Babington regards this plant as a distinct species and has proposed the name C. trifolii. Mr. Borrer. A specimen of this was first given to me by Mr. J.

#### PENTANDRIA.-DIGYNIA.

| Genera and  <br>Species. | Tab. of Eng. Botany. | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.   |
|--------------------------|----------------------|------------------------------|--|
| HYDROCOTYLE              |                      | Umbelliferæ.                 | Whiterot.  |
| vulgaris                 | 751.                 | May, June.                   | Boggy and watery places, very common.  |
| SANICULA                 |                      |                              | Sanicle.   |
| europæa                  | 98.                  | May, June.                   | Woods, common.   |
| CONIUM                   |                      |                              | Hemlock.   |
| maculatum                | 1191.                | June, July.                  | Waste places, &c.  |
| SMYRNIUM                 |                      |                              | Alexanders.  |
| Olusatrum                | 230.                 | May, June.                   | In the chalk district, frequent.   |
| APIUM                    |                      |                              | Celery.  |
| graveolens               | 1210.                | Aug.                         | Marshy places.   |
| PETROSELINUM             |                      |                              | Parsley.   |
| segetum                  | 248.                 | Aug.                         | [Corn fields, rarely. Forster]. On the banks of the Medway near Maidstone. J. Woods, Esq.  |
| HELOSCIADIUM             |                      |                              | Marshwort.   |
| nodiflorum               | 639.                 | July, Aug.                   | Ditches and rivulets, frequent.  |
| inundatum                | 1431.                | May-July.                    | Pools and marshy places dried up in summer.  |
| SISON                    |                      |                              | Bastard Stone Parsley.   |
| Amomum                   | 954.                 | Aug.                         | Under hedges, &c.  |
| ÆGOPODIUM                |                      |                              | Gout Weed.   |
| Podagraria               | 940.                 | May, June.                   | Hedges by the road from Cross in Hand to Hadlow Down. W. Borrer, Esq.  |
| BUNIUM                   |                      |                              | Earthnut.  |
| flexuosum                | 988.                 | May, June.                   | Woods and meadows, abundant.   |
| PIMPINELLA               | 40~                  | Tules Asses                  | Burnet Saxifrage.  |
| Saxifraga                | 407.                 | July, Aug.                   | Dry pastures, frequent. The var-<br>nigra grows with P. magna be-<br>tween Mount Ephraim and<br>Hurst Wood.  |
| magna<br>Sium            | 408.                 | July, Aug.                   | By the road side, in the fields, between Mount Ephraim and Hurst Wood, and a single plant on Silverhill, near Hurstgreen, Wm. Borrer, Esq. Near Maidstone, Jos. Woods, Esq. Water Parsnep. |
| *latifolium              | 204.                 | July, Aug.                   | [Tunbridge Town. Forster].   |
|                          |                      | ., 0                         |  |

Gorham, of Tunbridge, who received it from Mr. West. It was first observed by the farmer at Barden, who finding a plant which was destroying his clover crop, brought it to Mr. West to know what it was.

### PENTANDRIA.—DIGYNIA.

|               | b. of Eng<br>Botany. | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.  |
|---------------|----------------------|------------------------------|---|
| BUPLEURUM     |                      |                              | Hare's Ear.   |
| rotundifolium | 99.                  | July.                        | In a corn field through which the foot path from Uckfield to Piltdown passes; and in another field between Piltdown and Shortbridge, W. Borrer, Esq. Sandling, near Maidstone, Jos. Woods, Esq. |
| CENANTHE      |                      |                              | . Water Dropwort.   |
| fistulosa     | 363.                 | July, Aug.                   | Ditches, &c., common,   |
| erocata       | 2313.                | July.                        | (Water Hemlock) watery places, common.  |
| *Phellandrium | 684.                 | July.                        | [By the sides of rivers & ditches at Tunbridge. Forster].   |
| ÆTHUSA        |                      |                              | Fool's Parsley.   |
| Cynapium      | 1192.                | July, Aug.                   | Cultivated ground, &c., frequent.   |
| FORNICULUM    |                      |                              | Fennel.   |
| vulgare       | 1208.                | July, Aug.                   | Waste places and hedge banks<br>near gardens, from which it<br>most likely escaped.   |
| SILAUS        |                      |                              | Pepper Saxifrage.   |
| pratensis     | 2142.                | July, Sept.                  | Pastures and meadows, frequent.   |
| ANGELICA      |                      |                              | Angelica.   |
| sylvestris    | 1128.                | July.                        | Moist woods and marshy places, common.  |
| PASTINACA     |                      |                              | Parsnep.  |
| sativa        | 556.                 | July.                        | [Langton Green. Forster]. Mo-<br>rant's Court Hill and elsewhere<br>on the chalk.   |
| HERACLEUM     |                      |                              | Cow Parsnep, or Hog Weed.   |
| Sphondylium   | 939.                 | July.                        | Hedges, &c., abundant.  |
| DAUCUS        |                      |                              | Carrot.   |
| Carota        | 1174.                | July.                        | Pastures, &c., common.  |
| TORILIS       |                      |                              | Hedge Parsley.  |
| Anthriscus    | 987.                 | July.                        | Hedges and waste places.  |
| infesta       | 1314.                | July.                        | Road sides and fields.  |
| nodosa        | 199.                 | July.                        | Waste places, road sides, &c.   |
| SCANDIX       |                      |                              | Shepherd's Needle.  |
| Pecten        | 1397.                | June, July.                  | Corn fields, abundant.  |
| ANTHRISCUS    | 750                  | A 21 - T                     | Beaked Parsley.   |
| sylvestris    | 752.                 | April, June.                 | Borders of fields and under<br>hedges, &c.  |
| vulgaris      | 818.                 | May, June.                   | On banks and rubbish. Forster.  |

### PENTANDRIA.-DIGYNIA.-TRIGYNIA.

| Genera and Ta   | b. of Eng.<br>Botany.         | Nat. Order.<br>Time of Flow.                                      | English Name, Localities, and other remarks.  |
|---|-------------------------------|---|---|
| CHEROPHYLLUM  |                               |   | Chervil.  |
| temulentum  | 1521.                         | June, July,   | Under hedges &c.  |
| CHENOPODIUM   |                               | Chenopodeæ.   | Goose Foot.   |
| *olidum   | 1034.                         | Aug.  | [On rubbish, and sometimes in corn fields. Forster.]  |
| polyspermum   | 1480.                         | Aug., Sept.   | Common.   |
| Bonus Henricus  | s 1033.                       | Aug.  | Waste places and road sides   |
| intermedium<br>(urbicum E.B.                                  | 717.                          | Aug.  | Waste places &c., common.   |
| rubrum  | 1721.                         | Aug., Sept.   | Dunghills, under walls, &c.   |
| *murale   | 1722.                         | Aug.  | [Walls and rubbish, not uncommon. Forster].   |
| album   | 1723.                         | July, Aug.  | Manured ground, common.   |
| *ficifolium   | 1724.                         | Aug., Sept.   | [Dunghills and rubbish, not com - mon. Forster].  |
| ULMUS   |                               | Ulmaceæ.  | Elm.  |
| suberosa  | 2161.                         | March.  | Hedges, &c.   |
| glabra  | 2248.                         | March.  | [Withyham. Foster].   |
| montana   | 1887.                         | March, April.   | Woods and hedges, frequent near<br>Groombridge. Forster.  |
|   |                               | Order 3. TRIGY  |   |
| VIBURNUM  |                               | Caprifoliaceæ.  | Guelder Rose.   |
| Lantana   | 331.                          | June.   | [High and Harrison's Rocks.   |
|   |                               |   | Forster]. In the chalk district,  |
| Opulus  | 332.                          |   | Forster]. In the chalk district, frequent.  |
| Opulus<br>Sambucus  | 332.                          | June, July.   | Forster]. In the chalk district, frequent. Hedges, woods, &c., common.  |
| Opulus<br>Sambucus<br>Ebulus                                  | 332.<br>475.                  |   | Forster]. In the chalk district, frequent.  Hedges, woods, &c., common.  Elder.  [At Groombridge and Tunbridge. Forster]. By an old oast house, nearly opposite Tudor Hall, Hawkhurst; by Etchingham Church yard wall, and in the field adjoining the   |
| SAMBUCUS  |                               | June, July.   | Forster]. In the chalk district, frequent.  Hedges, woods, &c., common.  Elder.  [At Groombridge and Tunbridge. Forster]. By an old oast house, nearly opposite Tudor Hall, Hawkhurst; by Etchingham Church yard wall,  |
| SAMBUCUS<br>Ebulus  | 475.                          | June, July. July.   | Forster]. In the chalk district, frequent.  Hedges, woods, &c., common.  Elder.  [At Groombridge and Tunbridge. Forster]. By an old oast house, nearly opposite Tudor Hall, Hawkhurst; by Etchingham Church yard wall, and in the field adjoining the church yard.  |
| SAMBUCUS<br>Ebulus<br>nigra                                   | 475.                          | June, July.  July.  June.   | Forster]. In the chalk district, frequent.  Hedges, woods, &c., common.  Elder.  [At Groombridge and Tunbridge. Forster]. By an old oast house, nearly opposite Tudor Hall, Hawkhurst; by Etchingham Church yard wall, and in the field adjoining the church yard.  Hedges, &c., very common,   |
| Ebulus  nigra Linum   | 475.<br>476.                  | June, July.  July.  June.  Lineæ.                                 | Forster]. In the chalk district, frequent.  Hedges, woods, &c., common.  Elder.  [At Groombridge and Tunbridge. Forster]. By an old oast house, nearly opposite Tudor Hall, Hawkhurst; by Etchingham Church yard wall, and in the field adjoining the church yard.  Hedges, &c., very common.  Flax.  Between Tunbridge Wells and Southborough, Eridge, Flim-   |
| Ebulus  nigra LINUM usitatissimum                             | 475.<br>476.<br>1357.         | June, July.  June.  Lineæ.  June, July.                           | Forster]. In the chalk district, frequent.  Hedges, woods, &c., common.  Elder.  [At Groombridge and Tunbridge. Forster]. By an old oast house, nearly opposite Tudor Hall, Hawkhurst; by Etchingham Church yard wall, and in the field adjoining the church yard.  Hedges, &c., very common.  Flax.  Between Tunbridge Wells and Southborough, Eridge, Flimwell, &c.  Between Hook Green and Lamberhurst, and other places, fre-                         |
| Ebulus  nigra Linum usitatissimum  angustifolium              | 475.<br>476.<br>1357.<br>381. | June, July.  June.  Lineæ.  June, July.  June, July.              | Forster]. In the chalk district, frequent.  Hedges, woods, &c., common.  Elder.  [At Groombridge and Tunbridge. Forster]. By an old oast house, nearly opposite Tudor Hall, Hawkhurst; by Etchingham Church yard wall, and in the field adjoining the church yard.  Hedges, &c., very common.  Flax.  Between Tunbridge Wells and Southborough, Eridge, Flimwell, &c.  Between Hook Green and Lamberhurst, and other places, frequent.                    |
| Ebulus  nigra LINUM usitatissimum  angustifolium  catharticum | 475.<br>476.<br>1357.<br>381. | June, July.  June.  Lineæ.  June, July.  June, July.  June, July. | Forster]. In the chalk district, frequent.  Hedges, woods, &c., common.  Elder.  [At Groombridge and Tunbridge. Forster]. By an old oast house, nearly opposite Tudor Hall, Hawkhurst; by Etchingham Church yard wall, and in the field adjoining the church yard.  Hedges, &c., very common.  Flax.  Between Tunbridge Wells and Southborough, Eridge, Flimwell, &c.  Between Hook Green and Lamberhurst, and other places, frequent.  Pastures, common. |

#### PENTANDRIA.-TRIGYNIA. HEXANDRIA.-Monogynia.

| Genera and   Species. | Tab. of Eng. Botany. | Nat. Order.  <br>Time of Flow. | English Name, Localities, and other remarks.  |
|-----------------------|----------------------|--------------------------------|---|
| Myosurus              |                      | Ranunculaceæ.                  | Mousetail.  |
| minimus               | 455.                 | May,                           | In corn fields, rare. Mr. Furner states that it formerly grew in great abundance in a corn field near Wych Cross.     |
|                       | C                    | LASS VI. HEXA                  | ANDRIA.   |
|                       |                      | Order 1. Monoc                 | GYNIA.  |
| BERBERIS              |                      | Berberideæ.                    | Barberry.   |
| vulgaris              | 49.                  | June.                          | In a hedge about a quarter of a mile from the church at Tice-hurst, on the road to Burwash, probably planted.         |
| PEPLIS                |                      | Lythrarieæ.                    | Water Purslane.   |
| portula               | 1211.                | July, Aug.                     | Watery places, common.  |
| GALANTHUS             |                      | Amaryllideæ.                   | Snow Drop.  |
| nivalis               | 19.                  | Feb.                           | Orchards and pastures, not in-<br>digenous.   |
| NARCISSUS             |                      |                                | Daffodil.   |
| Pseudo-naro           | eissus 17.           | March, April.                  | In woods, hedges, and pastures, frequent both in the Weald and in the forest district.                                |
| * poeticus.           | 275.                 | May.                           | [ln a field on Mount Sion, Jos. Woods, Esq.]  |
| * biflorus            | 276.                 | April, May.                    | [On Fordcomb Green, Penshurst. Forster.]  |
| CONVALLARIA           |                      | Smilaceæ.                      | Lily of the Valley.   |
| majalis               | 1035.                | May.                           | Harrison's Rocks; Rock Wood<br>in abundance; Penn's Rocks;<br>near Wych Cross, and else-<br>where on the forests, &c. |
| ALLIUM                |                      | Asphodeleæ.                    | Garlic.   |
| * vineale             | 1974.                | June.                          | [On the sides of fields, not un-<br>common. Forster.]   |
| ursinum .             | 122.                 | June.                          | Moist woods and hedge banks, not uncommon.  |
| ORNITHOGALU           | M                    |                                | Star of Bethelem.   |
| umbellatum            | 130.                 | April, May.                    | Maidstone and Allington.  |
| HYACINTHUS            |                      |                                | Hyacinth, Bluebell.   |
| non-scriptus          | 377.                 | May.                           | Woods and hedges, abundant.   |
| NARTHECIUM            |                      | Junceæ.                        | Bog Asphodel.   |
| ossifragum            | 519.                 | July, Aug.                     | A beautiful plant growing in boggy places on all parts of the forests.  |

### HEXANDRIA.-Monogynia.-Trigynia.

|               |            | ATTEN MONOGINI               | A.—IRIOINIA.  |
|---------------|------------|------------------------------|---|
|               | Botany,    | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.  |
| Juncus        |            |                              | Rush.   |
| glaucus       | 665.       | July.                        | Wet places and by road sides, &c.   |
| effusus       |            | July.                        | Wet places, common.   |
| conglomeratus | 835.       | July.                        | Marshy wet places, frequently with the above.   |
| acutiflorus   | 238.       | June, Aug.                   | Bogs, very common.  |
| lampocarpus   | 2143.      | July, Aug.                   | Marshy places, where water has stagnated during winter.   |
| obtusiflorus  | 2144.      | Aug.                         | Wet pastures and other places, frequent.  |
| uliginosus    | 801.       | Aug.                         | A very variable plant, abundant in boggy and swampy places.   |
| *compressus   | 934.       | Aug.                         | [On moist meadows and heaths. Forster.]   |
| bufonius      | 802.       | Aug.                         | In water courses by road sides,<br>and in most watery places that<br>have been overflowed during<br>winter. |
| squarrosus    | 933.       | June, July.                  | Moory and heathy ground, abun-<br>dant on the forests.  |
| LUZULA        |            |                              | Woodrush.   |
| sylvatica     | 737.       | May, June.                   | By the rocks on the right of the foot path from TunbridgeWells Common to the High Rocks.                    |
| pilosa        | 736.       | April.                       | Woods, &c., frequent.   |
| Forsteri      | 1293.      | May, June.                   | Harrison's Rocks; between Lang-<br>ton Green and Groombridge;<br>Bidborough, &c.                            |
| campestris    | 672.       | April, May.                  | Meadows, &c., very common.  |
| β congesta    | 2719.Supt. | June.                        | In boggy places on the forests, &c., frequent.  |
|               |            | Order 3. TRIGYN              | NIA.  |
| RUMEX         |            | Polygoneæ.                   | Dock and Sorrel.  |
| Hydrolapathum | 2104.      | July, Aug.                   | Ditches and river sides, frequent.  |
| crispus       | 1998.      | June, July.                  | Way sides; under walls; in pas-   |
|               |            |                              | tures, &c., common.   |
| pratensis     | 2757.Supt. | June, July.                  | By the road side towards Crowborough. Wm. Borrer, Esq.  |
| sanguineus β  | Wo.        | July.                        | Road-sides, &c., frequent.  |
| acutus        | 724.       | July.                        | Watery places, common.  |
| * pulcher     | 1576.      | Aug.                         | [On stony soil about the Wells. Forster.]   |
| obtusifolius  | 1999.      | July.                        | Waste places and road sides, very common,   |

#### OCTANDRIA. - MONOGYNIA. HEXANDRIA.-HEXAGYNIA.

| Genera and   To | ab. of Eng.<br>Botany. | Nat. Order.  <br>Time of Flow. | English Name, Localities, and other remarks.   |
|-----------------|------------------------|--------------------------------|--|
| * palustris     | 1932.                  | July.                          | [On the sides of the road from<br>Tunbridge to the Wells, also in<br>the road from Frant to May-<br>field. Forster.]   |
| Acetosa         | 127.                   | June, July.                    | Meadows, &c., common.  |
| Acetosella      | 1674.                  | May, July.                     | Dry banks and pastures, &c.  |
| TRIGLOCHIN.     |                        | Juncagineæ.                    | Arrow Grass.   |
| palustre        | 366.                   | Aug.                           | Wet pastures, &c.  |
|                 |                        | Order 6. HEXAG                 | YNIA.  |
| ACTINOCARPUS.   |                        | Alismaceæ.                     | Star Fruit.  |
| Damasonium      | 1615.                  | June, July.                    | On Waterdown Forest, and in the ponds in Abergavenny Park. Forster. In a pond near the Turnpike Gate between Horsted Keynes and the Sheffield Arms, about three miles from Wych Cross. |
| ALISMA          |                        |                                | Water Plantain.  |
| Plantago        | 837.                   | July.                          | Ditches, rivers, ponds, &c., com-<br>mon.  |
| ranunculoides   | 326,                   | Aug. Sept.                     | Boggy places, frequent.  |
|                 | CL                     | ASS VII HEPT                   | ANDRIA.  |

#### CLASS VII. HEPTANDRIA.

In this Class there is one British plant only, Trientalis Europæa (Chickweed Winter Green), and this, I believe, is confined entirely to Scotland and the North of England.

#### CLASS VIII. OCTANDRIA.

#### Order 1. MONOGYNIA.

|               |          | Order at madrid | - Carana  |
|---------------|----------|-----------------|---|
| ACER          |          | Acerineæ.       | Maple.  |
| Psendo-planta | nus 303. | May, June.      | In hedges, &c., always planted.   |
| campestre     | 304.     | May, June.      | Hedges, &c.   |
| CHLORA        |          | Gentianeæ.      | Yellow Wort.  |
| perfoliata    | 60.      | July—Sept.      | In a meadow near Cross in Hand, growing with Ophrys apifera, J. Woods, Esq. I saw it in the same place August, 1840. Morant's Court Hill, &c., common on the chalk. |
| ERICA         |          | Ericeæ.         | Heath.  |
| Tetralix      | 1014.    | July, Aug.      | On the forests, &c., abundant:  |
| cinerea       | 1015.    | July, Aug.      | On the forests, &c., abundant. White flowered varieties of this and of the above are not un- frequent.  |

### OCTANDRIA .- MONOGYNIA .- TRIGYNIA.

| Genera and   To     | ab. of Eng.  <br>Botany. | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.   |
|---------------------|--------------------------|------------------------------|--|
| CALLUNA<br>vulgaris | 1013.                    | June—Aug.                    | Ling. On Tunbridge Wells Common, and on the forests abundant.  |
| _                   |                          | Market State                 | A white var. is found here and there on the forests.   |
| VACGINIUM           | 120                      | Vaccinieæ.                   | Whortleberry or Bilberry.  |
| Myrtillus           | 456.                     | May.                         | Heathy places; woods; on the sand rocks, and on the forests.   |
| EPILOBIUM           |                          | Ornigrarieæ.                 | Willow Herb.   |
| angustifolium       | 1947.                    | July.                        | By the road-side between Tun-<br>bridge Wells and Eridge. On<br>the forest on the right of the<br>road from Tunbridge Wells to<br>Frant, and several other places<br>in the neighbourhood. |
| hirsutum            | 838.                     | July.                        | Sides of ditches and other wet places, common.   |
| parviflorum         | 795.                     | July.                        | In the wood near the HighRocks;<br>Tunbridge, and other places,<br>not uncommon.   |
| montanum            | 1177.                    | June, July.                  | Hedge sides, &c., very common.   |
| roseum              | 693.                     | July.                        | [Wet places near Withyham,<br>Rev. S. Bale. Forster.] It is<br>found here and there in shady<br>lanes in the Weald of Sussex,<br>rare.   |
| tetragonum          | 1948.                    | July.                        | Watery places, common.   |
| palustre            | 346.                     | July.                        | Wet places and by the sides of ditches, common.  |
| DAPHNE              |                          | Thymeleæ:                    | Spurge Laurel.   |
| Laureola            | 119.                     | March.                       | (High Rocks.—Forster.) At Bullenstone, with Helleborus viridis, near Langton Green, and several other places about Speldhurst. St. Clere Ightham, &c.                                      |
|                     |                          | Order 2. TRIGY               | INIA.  |
| Polygonum           |                          | Polygoneæ.                   | Buck Wheat, Knot Grass, &c.  |
| Bistorta            | 509.                     | June.                        | (Snakeweed.) Groombridge, &c.  |
| aviculare           | 1252.                    | May, Sept.                   | Waste places, &c., common.   |
| Fagopyrum           | 574.                     | July, Aug.                   | (Buck Wheat.) Not uncommon, but I suspect at all times an escape from cultivation.   |

| OCTANI                      | ORIA-TETR                | AGYNIA                    | DECANDRIAMonogynia.  |
|-----------------------------|--------------------------|---------------------------|--|
| Genera and   T              | ab. of Eng.  <br>Botany. | Nat. Order<br>Time of Flo |  |
| Convolvulus                 | 941.                     | July, Aug.                | (Climbing Buck Wheat.) Corn fields, common.  |
| dumetorum                   | 2811. Supt               | . Sept.                   | by Wood's Nursery, Maresfield, W. Borrer, Esq.; and at Framfield, Mr. Lingwood.                                  |
| amphibium                   | 436.                     | July, Aug.                | (Persicaria.) Margins of ponds, &c., frequent.   |
| Persicaria                  | 756.                     | Aug.                      | Moist ground and waste places, common.   |
| laxum                       | 2822. Supt               | . Aug.                    | In similar places with P. Persicaria, between which and P. lapathifolium, it seems a connecting link. W. Borrer. |
| lapathifolium               | 1382.                    | Aug.                      | Dunghills & cultivated ground.   |
| Hydropiper                  | 989.                     | Aug., Sept.               | (Biting Persicaria.) Sides of water courses and ditches, common.   |
| *minus                      | 1043.                    | Sept.                     | [Moist and stony places. Forster.]   |
|                             | (                        | Order 3. TE               | TRAGYNIA.  |
| PARIS                       |                          | Smilaceæ.                 | Herb Paris. True Love.   |
| quadrifolia                 | 7.                       | May, June.                | St. Clere, Ightham, and Hill Park, near Westerham, Mr. R. Scott; Fant Woods near Maidstone. Mr. W. W. Reeves.    |
| ADOXA                       |                          | Araliaceæ.                | Moschatell.  |
| Moschatellina               | 453.                     | April, May.               | In a copse near Hamsell, and elsewhere; in woods and shady places, not unfrequent.                               |
| ELATINE                     |                          | Elatineæ,                 | Waterwort.   |
| hexandra<br>(tripetala E. I | 955.<br>Bot.)            | July, Aug.                | Maresfield Mill Pond, W. Borrer and Josheph Woods, Esqrs., and at Felbridge near East-Grinstead.                 |
|                             | CLA                      |                           | NEANDRIA.  |
|                             |                          | Order 1. Hi               | XXAGYNIA.  |
| Butomus                     | -                        | Butomeæ.                  | Flowering Rush.  |
| umbellatus                  | 651.                     | June, July.               | This beautiful and highly orna-<br>mental plant grows in great<br>abundance about Tunbridge.                     |
|                             |                          |                           | CANDRIA.   |
| Manage                      |                          |                           | NOGYNIA.   |
| MONOTROPA                   | 712                      | Monotropeæ.               |  |
| Hypopitys                   | 713.                     | June, July,               | In a wood on the hill above St. Clere, and in a clump of beeches north of the house. Mr. R. Scott.               |
|                             |                          |                           | C  |

#### DECANDRIA.-DIGYNIA.-TRIGYNIA.

|                    | DECI                 | INDICIAL BIGINIA             | .—IRIGINIA.   |
|--------------------|----------------------|------------------------------|---|
| Species. Tal       | b. of Eng<br>Botany. | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.  |
|                    |                      | Order 2. Digy                | NIA.  |
| SCLERANTHUS        |                      | Paronychieæ.                 | Knawel.   |
| annuus             | 351.                 | July.                        | Cornfields, frequent.   |
| CHRYSOSPLENIUM     |                      | Saxifrageæ.                  | Golden Saxifrage.   |
| oppositifolium     | 490.                 | April, July.                 | Wet shady places, very common.  |
| SAXIFRAGA          |                      |                              | Saxifrage.  |
| granulata          | 500.                 | May, June.                   | Abundant on sandy banks at Ightham. Forster states that it grew on the High Rocks: it has been frequently sought for there, without success.  |
| tridactylites      | 501.                 | May, June.                   | On walls, roofs of houses, &c., common.   |
| SAPONARIA          |                      | Caryophylleæ.                | Soapwort.   |
| officinalis        | 1080.                | July, Aug.                   | In the hedge by the foot path<br>from Tunbridge Wells Com-<br>mon to Hurst Wood.  |
| DIANTHUS           |                      |                              | Pink.   |
| Armeria            | 317.                 | July, Aug.                   | Withyham; in the lane from<br>Rusthall Common to the High<br>Rocks. Forster; and in a lane<br>near Fisher's Castle leading<br>towards Southborough.   |
|                    |                      | Order 3. TRIGY               |   |
| SILENE             |                      |                              | Catchfly.   |
| inflata            | 164.                 | July.                        | Pastures, road sides, &c., com-<br>mon.   |
| Quinquevulner      | a 86.                | June, July.                  | [Harrison's Rocks, Forster.] At the Moat on the Forest between Tunbridge Wells and Frant, in abundance, 1840, shewn to me by Mr. Maddock, who states he cannot account for its appearance unless it was introduced with the manure carried up from the town. This most probably was the case at Wrotham and other places where it has been found. |
| STELLARIA          |                      |                              | Stitchwort.   |
| media              | 537.                 | Jan.→Dec.                    | Very common.  |
| umbrosa<br>(Opiz.) |                      |                              | Hendle Wood, Maresfield. Jo-<br>seph Woods, Esq.  |
| holostea           | 511.                 | May, June.                   | Road sides, hedges, &c., common.  |
| graminea           | 803.                 | May, June.                   | Pastures, heaths, &c., common.  |
| glauca             | 825.                 | June, July.                  | Wet places, frequent.   |
| uliginosa          | 1074.                | June.                        | In ditches, &c., common.  |

### DECANDRIA.-TRIGYNIA.-PENTAGYNIA.

| Genera and Tah<br>Species.  | o. of Eng.  <br>Botany. | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.                                      |
|-----------------------------|-------------------------|------------------------------|---|
| ARENARIA                    |                         |                              | Sandwort.   |
| trinervis<br>(Moehringia Ba | 1483.                   | May, June.                   | In shady damp places.   |
| serpyllifolia               | 923.                    | June—Sept.                   | Tunbridge Wells Common; on<br>walls, and in dry waste places,<br>frequent.        |
| rubra<br>(Alsine Bab.       | 852.                    | July, Aug.                   | Corn fields, &c.  |
| •                           |                         | Order 4. PENTAG              | YNIA,   |
| COTYLEDON                   |                         | Crassulaceæ.                 | Navelwort.  |
| Umbilicus                   | 325.                    | June, Aug.                   | On an old wall at Boughton Mon-<br>chelsea. Mr. W. W. Reeves.                     |
| SEDUM                       |                         |                              | Stonecrop.  |
| Telephium                   | 1319                    | Aug.                         | bank opposite the High Rocks, and several other places, not unfrequent.           |
| dasyphyllum                 | 656.                    | June                         | On an old wall at Farningham.  J. Woods, Esq.                                     |
| album                       | 1578.                   | July.                        | [On the ruins at Mayfield. Fors-<br>ter.] On the roof of the inn<br>at Hartfield. |
| acre                        | 839.                    | Jnne.                        | Tunbridge Wells Common, and other places, frequent.                               |
| Jon tere i                  | 695.                    | July.                        | On the roofs of houses and on<br>the ruins at Mayfield, and other                 |
|                             |                         | 0 111                        | places, not uncommon.   |
| OXALIS                      | man.                    | Oxalideæ.                    | Woodsorrel.   |
| Acetosella                  | 762.                    | April, May.                  | In woods and on the rocks, in shady places, common.                               |
| AGROSTEMMA                  |                         | Caryophylleæ.                | Cockle.   |
| Githago<br>(Lyhenis Bab.    |                         | June, July.                  | Cornfields, frequent.   |
| LYCHNIS                     |                         |                              | Campion.  |
| Flos Cuculi                 | 573.                    | June.                        | (Ragged Robbin.) Meadows, &c. frequent.   |
| diurna                      | 1579.                   | May, June.                   | Under hedges and in meadows,<br>&c., frequent.                                    |
| vespertina                  | 1580.                   | June, Sept.                  | Corn fields, &c.  |
| CERASTIUM                   |                         |                              | Mouse-ear Chickweed.  |
| vulgatum                    | 789.                    | Summer.                      | Very common.  |
| viscosum                    | 790.                    | Summer.                      | By the sides of roads, waste places, &c., common.                                 |
| semidecandrum               | 1630.                   | April, May.                  | Dry waste places, and on wall-<br>tops, common.                                   |

| DODECA                  | NDRIAMon                  | OGYNIA, &c. I                | COSANDRIAMonogynia.  |
|-------------------------|---------------------------|------------------------------|--|
| Genera and   Species.   | Tah. of Eng.  <br>Botany. | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.   |
| * arvense               | 93.                       | Summer.                      | [In corn fields.—Forster.]   |
| aquaticum<br>(Malachium | 538.<br>n Bab.)           | July.                        | Tunbridge, &c., and by the sides of rivers and ditches, frequent.  |
| SPERGULA                |                           |                              | Spurrey.   |
| arvensis                | 1535,                     | June, July.                  | Corn fields, very common.  |
| nodosa                  | 694.                      | July, Aug.                   | Wet places, frequent.  |
| subulata                | 1082.                     | July, Aug.                   | Bare gravelly spots on the forests; rare.  |
|                         | CLA                       | SS XI. DODEC                 | ANDRIA.  |
|                         |                           | Order 1. Monog               |  |
| LYTHRUM                 |                           | Lythrariæ.                   | Purple Loosestrife.  |
| Salicaria               | 1061.                     | July, Aug.                   | Penshurst, Tunbridge, and other watery places, frequent.   |
|                         |                           | Order 2. Digy                | INIA.  |
| AGRIMONIA               |                           | Rosaceæ.                     | Agrimony.  |
| Eupatoria               | 1335.                     | June, July.                  | Waste places, road sides, &c., common.   |
|                         |                           | Order 3. TRIG                | YNIA.  |
| RESEDA                  |                           | Recedaceæ.                   | Dyer's Rocket. Wild Migno-<br>nette.   |
| Luteola                 | 320.                      | July.                        | On Tunbridge Castle.   |
| lutea                   | 321.                      | July, Aug.                   | [In corn fields and high grounds. Forster.] Morant's Court Hill; on the chalk between St. Clere, and Wrotham, &c.            |
|                         |                           | Order 4. DODECA              |  |
| SEMPERVIVUE             |                           | Crassulaceæ.                 | House Leek.  |
| tectorum                | 1320.                     | July, Aug.                   | On roofs of houses, wall tops, &c., rarely, if ever indigenous. Planted by cottagers on account of its medicinal properties. |
|                         | CL                        | ASS XII. ICOS                | ANDRIA.  |
|                         |                           | Order 1. Mono                | GYNIA.   |
| PRUNUS                  |                           | Rosaceæ,                     | Plum and Cherry.   |
| insititia               | 841.                      | April.                       | Between Frant and Mayfield,<br>and near Withyham. Forster.<br>In hedges, not uncommon.                                       |
| spinosa                 | 842.                      | March, April.                | Hedges, &c., very common.  |
| * Padus                 | 1383.                     | May.                         | [In woods and hedges. Forster.]  |

Cerasus 2863. Supt. May. (austera Leighton.)

Hedges, Rotherfield.

#### ICOSANDRIA.-PENTAGYNIA, &c.

| Genera and Species. | Tab. of Eng. Botany. | Nat. Order. Time of Flow.  | English Name, Localities, and other remarks.  |
|---------------------|----------------------|--|---|
| abium<br>(Cerasus I | 706.<br>E. B.)       | May.   | Hedges, woods, &c., frequent.   |
| •                   |                      | Order 2. PENTAG  | YNIA.   |
| MESPILUS            |                      |  | Common Medlar.  |
| germanica           | 1523,                | May.   | Bidborough, in a hedge by the road to Penshurst. W. Borrer, Esq. The figure in the Eng. Bot. represents the cultivated variety, which differs considerably from the wild one. |
| CRATEGUS            |                      |  | Hawthorn.   |
| Oxyacantha          | 2504.                | May, June.   | Hedges, &c., common.  |
| Pyrus               |                      |  | Pear and Apple.   |
| communis            | 1784.                | April, May.  | Hedges, &c. Origin of our Pear.   |
| Malus               | 179.                 | May.   | Hedges and woods, frequent. Origin of our Apple.  |
| * torminalis        | 298.                 | April, May.  | [In woods, but rarely. Forster.]  |
| aucuparia           | 337.                 | May, June.   | (Mountain Ash.) High Rocks, &c.   |
| Aria                | 1858.                | June.  | Brasted. J. Woods, Esq. Bid-<br>borough, E. J.; it is common<br>on the chalk above St. Clere;<br>Morant's Court Hill, &c.   |
| SPIRÆA              |                      |  | Spiræa or Meadow Sweet.   |
| salicifolia         | 1468.                | July.  | In the fir plantation on the border<br>of Broadwater Forest, brought<br>there most likely by accident at<br>the time the firs were planted.                                   |
| Filipendula         | 284.                 | July.  | [On high pastures and heaths. Forster.] On the chalk at Morant's Court Hill, and between St. Clere and Wrotham, &c.   |
| Ulmaria             | 960.                 | July.  | Meadows, sides of ditches, &c., common.   |
|                     |                      | Order 3. Polygy  |   |
| Rosa                | 7.00                 | The state of the s | Rose.   |
| spinosissima        |                      | May.   | Forests, and on heathy places.  |
| tomentosa           | 990.                 | June, July.  | Not unfrequent in hedges and thickets.  |
| inodora             | 2579.                | June, July.  | Hedges and thickets.  |
| micrantha           | 2490.                | June, July.  | Morant's Court Hill, and else-<br>where on the chalk.   |
| rubiginosa          | 991.                 | June, July.  | (Sweet Briar.) On the chalk<br>above St. Clere, Morant's Court<br>Hill, &c.   |

### ICOSANDRIA.-POLYGYNIA.

| Genera and   Species. | Tab. of Eng<br>Botany. | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.   |
|-----------------------|------------------------|------------------------------|--|
| Rosa                  |                        | Diese Trans                  | Rose.  |
| canina                | 992.                   | June, July.                  | Hedges and thickets.   |
| β (sarmentac          | ea) 2595. Su           | pt. June, July.              | Hedges and thickets.   |
| y (surculosa          | 4                      | June, July.                  | Hedges, thickets, &c.  |
| δ (dumetoru           | m) 2610. Suj           | pt. June, July.              | Hedges, and among bushes, &c.  |
| ٤ (Forsteri)          | 2611. Su               | pt. June, July.              | Thickets, hedges, &c.  |
| systyla               | 1895.                  | June, July.                  | Hedges and thickets; Bidborough, Mr. Borrer; Penshurst, Mr. Joseph Woods.                            |
| arvensis              | 188.                   | June, July.                  | Woods, hedges, and thickets.   |
| β                     |                        | June, July.                  | Woods, hedges, and thickets.   |
| γ                     |                        | June, July.                  | Woods, hedges, and thickets.   |
| Rubus                 |                        |                              | Bramble.   |
| idæus                 | 2442.                  | May, June.                   | In woods, &c. very common in<br>the neighbourhood of Tun-<br>bridge Wells.                           |
| plicatus *            | 2714. Suj              | pt. June—Aug.                | In heathy and somewhat boggy places on the forests, chiefly on the banks of streams. W. Borrer, Esq. |
| carpinifolius         | 2664. Sup              | ot. July, Aug.               | Hedges, &c.  |
| rhamnifolius          | 2604. Sup              | ot. July, Aug.               | Hedges, thickets, and woods.   |
| fruticosus            | 715.                   | July, Aug.                   | Very common.   |
| leucostachys          | 2631. Sup              | ot. July, Aug.               | Hedges, woods, and thickets.   |
| macrophyllus          | 2625. Sup              | t. July, Aug.                | Hedges, thickets, and woods.   |
| Koehleri              | 2605. Sup              | t. July, Aug.                | Woods, thickets, &c.   |
| γ (pallidus)          |                        | July, Aug.                   | In a hedge near Hartfield. E. Forster, Esq.  |
| corylifolius          | 827.                   | July, Aug.                   | Hedges and thickets.   |
| oœsius                | 826.                   | June, July.                  | Thickets and hedge banks, com-<br>mon.   |
| FRAGARIA              |                        |                              | Strawberry.  |
| vesca                 | 1524.                  | May-July.                    | Hedge banks, woods, &c., com-<br>mon.  |
| COMARUM               |                        |                              | Marsh Cinquefoil.  |
| palustre              | 172.                   | July.                        | Boggy places, frequent.  |

<sup>\*</sup> There is also in hedges, &c., on the forests, a Bramble which is perhaps a var. of *R. plicatus*, although it seems to differ by its more trailing growth and larger prickles. This is mentioned by Mr. Borrer in his account of *R. plicatus* in *Eng. Bot. Suppt.*, as probably either *R. nitidus* or *R. affinis* of Weihe and Nees.

#### ICOSANDRIA.-POLYGYNIA. POLYANDRIA.-Monogynia.

| Genera and   Species. | Tab. of Eng.  <br>Botany. | Nat. Order.  <br>Time of Flow. | English Name, Localities, and other remarks.   |
|-----------------------|---------------------------|--------------------------------|--|
| POTENTILLA            |                           |                                | Cinquefoil.  |
| anserina              | 861.                      | June, July.                    | Road sides, &c., common.   |
| * argentea            | 89.                       | June.                          | [In pastures, not common. Fors-<br>ter.]   |
| reptans               | 862.                      | June—Aug.                      | Meadows, pastures, hedge banks, &c.  |
| Fragariastrui         | n 1785.                   | March, April.                  | Hedge banks, woods, &c., very common.  |
| TORMENTILLA           |                           |                                | Tormentil.   |
| officinalis           | 863.                      | June, July.                    | Heaths and pastures, common.   |
| reptans               | 864.                      | June, July.                    | Between Tunbridge Wells and<br>Frant, and elsewhere on hedge<br>banks, borders of fields, &c.  |
| GEUM                  |                           |                                | Avens.   |
| urbanum               | 1400.                     | June.                          | Hedges, woods, &c., common.  |
|                       | CLA                       | SS XIII. POLYA                 | ANDRIA.  |
|                       |                           | Order 1. Monogy                |  |
| PAPAVER               |                           | Papaveraceæ.                   | Poppy.   |
| Argemone              | 643.                      | June.                          | Corn fields near Fisher's Castle,<br>and in a corn field between<br>Tunbridge Wells Common and<br>Hurstwood, not common.   |
| * hybridum            | 43.                       | July.                          | [In corn fields, not common. Forster.]   |
| dubium                | 644.                      | July.                          | Riverhead; in a corn field be-<br>tween Hamsell Forge and the<br>Rock Wood, and elsewhere.   |
| Rhœas                 | 645.                      | July.                          | Wall tops, corn fields, &c., not common,   |
| * somniferun          | 1 2145.                   | July.                          | [Not uncommon near houses, most probably escaped from cultivation. Forster.]   |
| CHELIDONIUM           |                           |                                | Celandine.   |
| majus                 | 1581.                     | May, June.                     | Back of the Old Chapel, Tun-<br>bridge Wells, about Tunbridge<br>Castle, and by the road side<br>between Tunbridge Wells and<br>Southborough; not unfrequent<br>in hedges and waste places near<br>houses. |
| HELIANTHEMU           |                           | Cistineæ.                      | Rock Rose.   |
| vulgare               | 1321.                     | July, Aug.                     | [On Harrison's and High Rocks. Forster.] Morant's Court Hill, above St. Clere, about Wrotham, and other places on the chalk.   |

## POLYANDRIA.-Monogynia, &c.

| Genera and   Species. | Tab. of Eng.<br>Botany. |                 | English Name, Localities, and other remarks.   |
|-----------------------|-------------------------|-----------------|--|
| TILIA                 |                         | Tiliaceæ.       | Lime.  |
| europæa               | 640.                    | July.           | Woods and hedges. Forster.   |
| grondifolia           | 2720. Sup               | t. June, July.  | Kidbrook by the Park pales,<br>neither this nor the above are<br>indigenous.   |
| parvifolia            | 1705.                   | Aug.            | Woods, &c., not unfrequent.  |
| NYMPHÆA               |                         | Nymphæaceæ.     | White Water Lily.  |
| alba                  | 765.                    | July.           | Tunbridge, &c. In rivers, ponds<br>and still waters, frequent.   |
| NUPHAR                |                         |                 | Yellow Water Lily.   |
| lutea                 | 159.                    | July.           | Tunbridge and other places, not uncommon.  |
|                       |                         | Order 2. PENTAG | YNIA,  |
| HELLEBORUS            |                         | Ranuncalaceæ.   | Hellehore.   |
| viridis               | 200.                    | April, May.     | St. Clere, Mr. R. Scott; and at Bullenstone, Speldhurst.   |
| DELPHINIUM            |                         |                 | Larkspur.  |
| Consolida             | 1839.                   | June, July.     | In a corn field between Rusthall Common and the road to the High Rocks, where the Lolium temulentum grows, Mr. W. W. Reeves. Not indigenous.                                       |
| AQUILEGIA             | 0.00                    |                 | Columbine.   |
| vulgaris              | 297.                    | June.           | In Shatter's Wood near Lipscomb's Farm, and in a wood left of Pembury road, Mr. Bently. By the stream near the High Rocks; at Wadhurst, &c., not unfrequent about Tunbridge Wells. |
|                       |                         | Order 3. Polygy | INIA.  |
| THALICTRUM            |                         | 2000            | Meadow Rue.  |
| flavum                | 307.                    | June, July.     | [In marshy ground. Forster.] Side of the Mill Pond at Snod-land.   |
| CLEMATIS              |                         |                 | Traveller's Joy.   |
| Vitalba               | 612.                    | May, June.      | [Between Eridge and Boar's Head, in plenty. Forster.] Morant's Court Hill and elsewhere, on the chalk, common.   |
| ANEMONE               |                         |                 | Anemone.   |
| nemorosa              | 355.                    | April, May.     | In woods, common. A variety with bluish flowers grows in Hurst Wood.   |

# POLYANDRIA.—Pologynia. DIDYNAMIA.—Gymnospermia.

| Genera and  <br>Species. | Tab. of Eng.<br>Botany. | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.  |
|--------------------------|-------------------------|------------------------------|---|
| ADONIS                   |                         | 000                          | Pheasant's Eye.   |
| autumnalis               | 308.                    | Sept., Oct.                  | [Once found in the corn field on<br>the south side of the High<br>Rocks. Forster.] Between<br>Barming and Maidtsone, and<br>between Maidstone and Ayles-<br>ford. W. W. Reeves. |
| RANUNCULUS               | 707                     | Mr. T.                       | Crowfoot.   |
| aquatilis                |                         | May, June.                   | Ponds, ditches, &c., common.  |
| ° circinatus             | 2869. Supt              |                              | [In watery ditches and rivers. Forster.]  |
| * fluviatilis            | 2870. Sup               | t. June.                     | [In deep rivers; at Tonbridge. Forster.]  |
| hederaceus               | 2003:                   | Autumn.                      | Wet places and shallow pools, and where water has stood.  |
| Flammula                 | 387.                    | July, Aug.                   | Sides of ditches, &c., abundant.  |
| · B                      |                         | July, Aug.                   | In wet places.  |
| Ficaria                  | 584.                    | April, May.                  | Woods, pastures, &c., common.   |
| auricomus                | 624.                    | April, May.                  | In woods and shady places, frequent.  |
| sceleratus               | 681.                    | June.                        | Sides of ditches and wet places, common.  |
| acris                    | 652.                    | June, July.                  | Meadows, &c., very common.  |
| repens                   | 516.                    | June—Aug.                    | Meadows and pastures, very common.  |
| bulbosus                 | 515.                    | May.                         | Meadows and pastures, common.   |
| hirsutus                 | 1504.                   | June-Oct.                    | On Tunbridge Wells Common, and other places, not uncommon.  |
| arvensis                 | 135.                    | June.                        | Corn field between Tunbridge<br>Wells Common and Hurst<br>Wood, &c.   |
| * parviflorus            | 120.                    | May, June.                   | [In the lane leading from Rust-<br>hall Common to the High<br>Rocks. Forster.]  |
| CALTHA                   |                         |                              | Marsh Marigold.   |
| palustris                | 506.                    | March-June.                  | Wet places, common.   |
|                          | CLA                     | SS XIV. DIDY                 |   |
|                          |                         | der 1. Gymnosi               |   |
| MENTHA                   |                         | Menthoideæ.                  | Mint.   |
| sylvestris               | 686.                    | Aug., Sept.                  | Between Maidstone and Ayles-<br>ford. Mr. W. W. Reeves.   |
| rotundifolia             | 446.                    | Aug., Sept.                  | Between Maidstone and Ayles-<br>ford, Mr. IV. W. Reeves.  |

### DIDYNAMIA.—GYMNOSPERMIA.

| 0 11 m                    |                         | THE OTHER                    |  |
|---------------------------|-------------------------|------------------------------|--|
| Genera and Species.       | b. of Eng.  <br>Botany. | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.   |
| * viridis                 | 2424.                   | Aug.                         | [In ditches near gardens. Fors-ter.]   |
| hirsuta                   | 447.                    | Aug., Sept.                  | Wet places, very common.   |
| * acutifolia              | 2415.                   | Sept.                        | [On the banks of the Medway, and at Bayham Abbey. Forster.]  |
| * rubra                   | 1413.                   | Sept.                        | [On the right of the road leading<br>from Groombridge to Buck-<br>hurst Park, on the way to<br>Maresfield. Forster.]                             |
| * gentilis<br>γ variegata | 2118.                   | Aug.                         | [On rubbish near gardens. Fors-ter.]   |
| arvensis                  | 2119.                   | Aug., Sept.                  | Corn fields, common.   |
| * y præcox                |                         | Aug., Sept.                  | [Between Langton Green and Speldhurst Church. Forster.]  |
| agrestis                  | 2120.                   | Aug., Sept.                  | Corn fields, &c.   |
| Pulegium                  | 1026.                   | Aug., Sept.                  | Wet places, &c.  |
| THYMUS                    |                         | Satureineæ.                  | Thyme.   |
| Serpyllum                 | 1514.                   | July, Aug.                   | Pastures, &c., common.   |
| ORIGANUM                  |                         |                              | Marjoram.  |
| vulgare                   | 1143.                   | July, Aug.                   | In a hedge at the back of Mount<br>Ephraim; Tunbridge Castle<br>Mount; Morant's Court Hill,<br>&c., common on the chalk.                         |
| TEUCRIUM                  |                         | Ajugoideæ.                   | Germander.   |
| Scorodonia                | 1543.                   | July, Aug.                   | Woods, banks, heaths, &c., common.   |
| AJUGA                     | 100                     |                              | Bugle.   |
| reptans                   | 489.                    | May, June.                   | Moist places, and in woods, com-<br>mon.   |
| Chamœpitys                | 77.                     | April, May.                  | Ightham, on the side of the hill above St. Clere. Mr. R. Scott.  |
| BALLOTA                   |                         | Nepeteæ.                     | Horehound.   |
| nigra                     | 46.                     | July, Aug.                   | Waste places, &c., frequent. [A variety with white flowers, near Speldhurst and Withyham churches, and on Tunbridge Wells race-ground. Forster.] |
| GALEOBDOLON               | 202                     | v ,                          | Weaselsnout.   |
| luteum                    | 787.                    | May, June.                   | In woods and hedges, generally, shady places, not uncommon.  |
| GALEÒPSIS                 | 994 Cont                | Oat                          | Hempnettle. [In dry corn fields. Forster.]   |
| Ladanum                   | 884. Sept.              | Oct.                         | Common in stubble fields, on the chalk.  |

### DIDYNAMIA.—GYMNOSPERMIA.

| Tetrahit 207. Aug. Corn fields, &c., common; a var. with white flowers, in sandy places, not unfrequent.  Persicolor 667. July, Aug. [On the side of the road near Boar's Head, on the Eridge Road. Forster.]  Dead Nettle.  Band Nettle.  Spring & Summer. Very common.  Purpureum 769. May—Sept. Waste places, &c., common.  Betonica officinalis 1142. July, Aug. Waste places, cultivated fields, and gardens.  Betony. On the forests, in woods, &c., common. Mr. Forster states that a beautiful var. with large pink flowers is found on the sides of the road between Boar's Head and Crowborough, which I have never seen. I have seen it occasionally with white flowers.  Stachys  Sylvatica 416. July, Aug. Woods and shady places, common.  Palustris 1675. Aug. Watery and moist places, common.  Arvensis 1154. July, Aug. Corn fields, &c., common.  Nepeta 410. Aug. Hedge banks, &c.  Ground Ivy.  Hedge banks, waste places, &c., common.  White Horehound.  On the rocks, at Mount Ephraim, &c.  Basil Thyme.  Calamint.  On the sides of the road near Boar's Head and Crowborough, which I have no doubt of its correctness. It is a common plant on the chalk.  Speldhurst.   | Genera and  <br>Species. | Tab. of Eng. Botany. | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.  |
|--|--------------------------|----------------------|------------------------------|---|
| Boar's Head, on the Eridge Road. Forster.]  Dead Nettle.  Betony.  On the forests, in woods, &c., common. Mr. Forster states that a beautiful var. with large pink flowers is found on the sides of the road between Boar's Head and Crowborough, which I have never seen. I have seen it occasionally with white flowers.  Stachys  Sylvatica 416. July, Aug. Woods and shady places, common. Mr. Forster states that a beautiful var. with large pink flowers is found on the sides of the road between Boar's Head and Crowborough, which I have never seen. I have seen it occasionally with white flowers.  Woundwort.  Stachys  Sylvatica 416. July, Aug. Woods and shady places, common.  Watery and moist places, common.  Watery and moist places, common.  Cat Mint.  Cataria 137. July, Aug. Corn fields, &c., common.  Mereta  Cataria 137. July, Aug. Hedge banks, &c.  Ground Iny.  Hedge banks, waste places, &c., common.  White Horehound.  White Horehound.  White Horehound.  On the rocks, at Mount Ephraim, &c.  Calamint.  Officinalis 1676. July, Aug. On the sides of the Eridge road beyond the green. Forster. I cannot verify this habitat, but I have no doubt of its correctness. It is a common plant on the chalk.  | Tetrahit                 | 207.                 | Aug.                         | with white flowers, in sandy  |
| album 768. Spring & Summer. Very common.  purpureum 769. May—Sept. Maste places, &c., common.  Betonica officinalis 1142. July, Aug. On the forests, in woods, &c., common. Mr. Forster states that a beautiful var. with large pink flowers is found on the sides of the road between Boar's Head and Crowborough, which I have never seen. I have seen it occasionally with white flowers.  Stachys  Sylvatica 416. July, Aug. Woods and shady places, common.  palustris 1675. Aug. Watery and moist places, common.  Actions  Marrubium  vulgare 410. Aug. Hedge banks, waste places, &c., common.  Marrubium  vulgaris 411. Aug. Hedge banks, waste places, &c., common.  Marrubium  vulgaris 411. Aug. On the rocks, at Mount Ephraim, &c.  Calamint.  Calamint.  On the sides of the Eridge road beyond the green. Forster. I cannot verify this habitat, but I have no doubt of its correctness. It is a common plant on the chalk.  | * versicolor             | 667.                 | July, Aug.                   | Boar's Head, on the Eridge<br>Road. Forster.]   |
| purpureum amplexicaule 769. May—Sept. March—June. Waste places, &c., common. Waste places, cultivated fields, and gardens.  BETONICA officinalis 1142. July, Aug. On the forests, in woods, &c., common. Mr. Forster states that a beautiful var. with large pink flowers is found on the sides of the road between Boar's Head and Crowborough, which I have never seen. I have seen it occasionally with white flowers.  STACHYS  SYLVATICA 416. July, Aug. Woods and shady places, common.  palustris 1675. Aug. Watery and moist places, common.  AURICH Aug. Corn fields, &c., common.  Cat Mint.  Cataria 137. July, Aug. Hedge banks, &c.  GIECHOMA CATARIA Aug. Hedge banks, waste places, &c., common.  MARRUBIUM Wulgare 410. Aug. On the rocks, at Mount Ephraim, &c.  ACINOS  Vulgaris 411. Aug. In "lay" corn fields, on the chalk and elsewhere.  Calamint.  Calamint.  On the sides of the Eridge road beyond the green. Forster. I cannot verify this habitat, but I have no doubt of its correctness. It is a common plant on the chalk.  | LAMIUM                   |                      |                              |   |
| Betonica  officinalis  1142. July, Aug.  On the forests, in woods, &c., common. Mr. Forster states that a beautiful var. with large pink flowers is found on the sides of the road between Boar's Head and Crowborough, which I have never seen. I have seen it occasionally with white flowers.  Stachys  sylvatica  416. July, Aug.  Woods and shady places, common.  Watery and moist places, common.  Watery and moist places, common.  Cat Mint.  Cataria  137. July, Aug.  Glechoma  hederacea  853. April, May.  Hedge banks, &c.  Ground Ivy.  Hedge banks, waste places, &c., common.  White Horehound.  White Horehound.  On the rocks, at Mount Ephraim, &c.  Basil Thyme.  Calamint.  Calamint.  On the sides of the Fridge road beyond the green. Forster. I cannot verily this habitat, but I have no doubt of its correctness. It is a common plant on the chalk.   | album                    |                      |                              |   |
| Betonica officinalis 1142. July, Aug. On the forests, in woods, &c., common. Mr. Forster states that a beautiful var. with large pink flowers is found on the sides of the road between Boar's Head and Crowborough, which I have never seen. I have seen it occasionally with white flowers.  Stachys sylvatica 416. July, Aug. Woods and shady places, common.  Watery and moist places, common.  Watery and moist places, common.  Cat Mint. Cataria 137. July, Aug. Corn fields, &c., common.  Cat Mint. Hedge banks, &c. Ground Ivy. Hedge banks, waste places, &c., common.  White Horehound.  White Horehound.  On the rocks, at Mount Ephraim, &c.  Basil Thyme.  Calamint.  Calamint.  On the sides of the Eridge road beyond the green. Forster. I cannot verily this habitat, but I have no doubt of its correctness. It is a common plant on the chalk.  |                          |                      |                              |   |
| officinalis  1142. July, Aug.  On the forests, in woods, &c., common. Mr. Forster states that a beautiful var. with large pink flowers is found on the sides of the road between Boar's Head and Crowborough, which I have never seen. I have seen it occasionally with white flowers.  STACHYS  SYLVATICA  AUG.  Woods and shady places, common. Watery and moist places, common. Cat Mint.  Cat Mint.  Cat Mint.  Cat Mint.  Hedge banks, &c.  Ground Ivy.  Hedge banks, waste places, &c., common.  White Horehound.  White Horehound.  On the rocks, at Mount Ephraim, &c.  Basil Thyme.  In "lay" corn fields, on the chalk and elsewhere.  Calamint.  On the Eridge road beyond the green. Forster. I cannot verify this habitat, but I have no doubt of its correctness. It is a common plant on the chalk.  |                          | 770.                 | March—June.                  | and gardens.  |
| Common. Mr. Forster states that a beautiful var. with large pink flowers is found on the sides of the road between Boar's Head and Crowborough, which I have never seen. I have seen it occasionally with white flowers.  STACHYS  Sylvatica 416. July, Aug. Woods and shady places, common.  Palustris 1675. Aug. Watery and moist places, common.  arvensis 1154. July, Aug. Corn fields, &c., common.  NEPETA  Cataria 137. July, Aug. Hedge banks, &c.  GLECHOMA  hederacea 853. April, May. Hedge banks, waste places, &c., common.  MARRUBIUM  vulgare 410. Aug. On the rocks, at Mount Ephraim, &c.  ACINOS  vulgaris 411. Aug. In "lay" corn fields, on the chalk and elsewhere.  Calamint.  On the sides of the road between Boar's Head and Crowborough, which I have no doubt of its correctness. It is a common plant on the chalk.  |                          |                      |                              |   |
| sylvatica  416. July, Aug. Woods and shady places, common.  palustris  1675. Aug. Watery and moist places, common.  Watery and moist places, common.  Cat Mint.  Cat Mint.  Cataria  137. July, Aug. Hedge banks, &c.  Glechoma  hederacea  853. April, May. Hedge banks, waste places, &c., common.  Marrubium  vulgare  410. Aug. On the rocks, at Mount Ephraim, &c.  Acinos  vulgaris  411. Aug. In "lay" corn fields, on the chalk and elsewhere.  Calamint.  Calamint.  On the sides of the Eridge road beyond the green. Forster. I cannot verify this habitat, but I have no doubt of its correctness. It is a common plant on the chalk.  | officinalis              | 1142.                | July, Aug.                   | common. Mr. Forster states that a beautiful var. with large pink flowers is found on the sides of the road between Boar's Head and Crowborough, which I have never seen. I have seen it occasionally with |
| palustris 1675. Aug. Watery and moist places, common.  arvensis 1154. July, Aug. Corn fields, &c., common.  Nepeta Cat Mint. Cataria 137. July, Aug. Hedge banks, &c. Glechoma Ground Ivy. hederacea 853. April, May. Hedge banks, waste places, &c., common.  Marrubium White Horehound.  vulgare 410. Aug. On the rocks, at Mount Ephraim, &c.  Acinos Vulgaris 411. Aug. In "lay" corn fields, on the chalk and elsewhere.  Calamint.  Officinalis 1676. July, Aug. On the sides of the Eridge road beyond the green. Forster. I cannot verify this habitat, but I have no doubt of its correctness. It is a common plant on the chalk.   | STACHYS                  |                      |                              |   |
| mon.  Arvensis 1154. July, Aug. Corn fields, &c., common.  Cat Mint.  Cataria 137. July, Aug. Hedge banks, &c.  Glechoma Ground Ivy.  hederacea 853. April, May. Hedge banks, waste places, &c., common.  MARRUBIUM White Horehound.  vulgare 410. Aug. On the rocks, at Mount Ephraim, &c.  Acinos Basil Thyme.  vulgaris 411. Aug. In "lay" corn fields, on the chalk and elsewhere.  Calamint.  Officinalis 1676. July, Aug. On the sides of the Eridge road beyond the green. Forster. I cannot verify this habitat, but I have no doubt of its correctness. It is a common plant on the chalk.  | sylvatica                | 416.                 | July, Aug.                   |   |
| Cataria 137. July, Aug. Hedge banks, &c.  GLECHOMA hederacea 853. April, May. Hedge banks, waste places, &c., common.  MARRUBIUM vulgare 410. Aug. On the rocks, at Mount Ephraim, &c.  ACINOS vulgaris 411. Aug. In "lay" corn fields, on the chalk and elsewhere.  CALAMINTHA officinalis 1676. July, Aug. On the sides of the Eridge road beyond the green. Forster. I cannot verify this habitat, but I have no doubt of its correctness. It is a common plant on the chalk.   | palustris                | 1675.                | Aug.                         |   |
| Cataria 137. July, Aug. Hedge banks, &c.  GLECHOMA Ground Ivy.  hederacea 853. April, May. Hedge banks, waste places, &c., common.  MARRUBIUM White Horehound.  vulgare 410. Aug. On the rocks, at Mount Ephraim, &c.  ACINOS Basil Thyme.  Vulgaris 411. Aug. In "lay" corn fields, on the chalk and elsewhere.  CALAMINTHA Calamint.  Officinalis 1676. July, Aug. On the sides of the Eridge road beyond the green. Forster. I cannot verify this habitat, but I have no doubt of its correctness. It is a common plant on the chalk.   | arvensis                 | 1154.                | July, Aug.                   | Corn fields, &c., common.   |
| GLECHOMA hederacea 853. April, May. Hedge banks, waste places, &c., common.  MARRUBIUM vulgare 410. Aug. On the rocks, at Mount Ephraim, &c.  ACINOS vulgaris 411. Aug. In "lay" corn fields, on the chalk and elsewhere.  CALAMINTHA officinalis 1676. July, Aug. On the sides of the Eridge road beyond the green. Forster. I cannot verify this habitat, but I have no doubt of its correctness. It is a common plant on the chalk.   | NEPETA                   |                      |                              | Cat Mint.   |
| hederacea 853. April, May. Hedge banks, waste places, &c., common.  MARRUBIUM  vulgare 410. Aug. On the rocks, at Mount Ephraim, &c.  ACINOS  vulgaris 411. Aug. In "lay" corn fields, on the chalk and elsewhere.  CALAMINTHA  officinalis 1676. July, Aug. On the sides of the Eridge road beyond the green. Forster. I cannot verify this habitat, but I have no doubt of its correctness. It is a common plant on the chalk.   | Cataria                  | 137.                 | July, Aug.                   | Hedge banks, &c.  |
| MARRUBIUM  vulgare  410. Aug.  On the rocks, at Mount Ephraim, &c.  Basil Thyme.  Vulgaris  411. Aug.  In "lay" corn fields, on the chalk and elsewhere.  Calamint.  Calamint.  Officinalis  1676. July, Aug.  On the sides of the Eridge road beyond the green. Forster. I cannot verify this habitat, but I have no doubt of its correctness. It is a common plant on the chalk.   | GLECHOMA                 |                      |                              | Ground Ivy.   |
| vulgare 410. Aug. On the rocks, at Mount Ephraim, &c.  **Basil Thyme.**  **Vulgaris** 411. Aug. In "lay" corn fields, on the chalk and elsewhere.  **Calamint.**  **Calamin | hederacea                | 853.                 | April, May.                  |   |
| ACINOS  vulgaris  411. Aug.  En "lay" corn fields, on the chalk and elsewhere.  Calamint.  Calamint.  Officinalis  1676. July, Aug.  On the sides of the Eridge road beyond the green. Forster. I cannot verify this habitat, but I have no doubt of its correctness. It is a common plant on the chalk.   | MARRUBIUM                |                      |                              | White Horehound.  |
| vulgaris  411. Aug. In "lay" corn fields, on the chalk and elsewhere.  Calamint.  Officinalis  1676. July, Aug. On the sides of the Eridge road beyond the green. Forster. I cannot verify this habitat, but I have no doubt of its correctness. It is a common plant on the chalk.  | vulgare                  | 410.                 | Aug.                         |   |
| CALAMINTHA  officinalis  1676.  July, Aug.  On the sides of the Eridge road beyond the green. Forster. I cannot verify this habitat, but I have no doubt of its correctness. It is a common plant on the chalk.  | ACINOS                   |                      |                              | Basil Thyme,  |
| officinalis  1676. July, Aug.  On the sides of the Eridge road beyond the green. Forster. I cannot verify this habitat, but I have no doubt of its correctness. It is a common plant on the chalk.   | vulgaris                 | 411.                 | Aug.                         | In "lay" corn fields, on the chalk and elsewhere.   |
| beyond the green. Forster. I cannot verify this habitat, but I have no doubt of its correctness. It is a common plant on the chalk.  | CALAMINTHA               |                      |                              | Calamint.   |
| Nepeta 1414, Aug. Speldhurst.  | officinalis              | 1676.                | July, Aug.                   | beyond the green. Forster. I cannot verify this habitat, but I have no doubt of its correctness. It is a common plant on  |
|  | Nepeta                   | 1414,                | Aug.                         | Speldhurst.   |

### DIDYNAMIA.—GYMNOSPERMIA.—ANGIOSPERMIA.

| Genera and   Species. | Tab. of Eng.  <br>Botany. | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.   |
|-----------------------|---------------------------|------------------------------|--|
| CLINOPODIUM           |                           |                              | Wild Basil.  |
| vulgare               | 1401.                     | Aug.                         | [On the Rocks, and sides of  |
|                       |                           | 100                          | fields, very common. Forster.] A common hedge plant on the chalk.  |
| PRUNELLA              |                           |                              | Self Heal.   |
| vulgaris              | 961.                      | July, Aug.                   | Very common.   |
| SCUTELLARIA           |                           |                              | Skull Cap.   |
| galericulata          | 523.                      | July, Aug.                   | Banks of rivers, and in boggy places, frequent.  |
| minor                 | 524.                      | July, Aug.                   | In boggy places on the forests, common.  |
|                       | 0                         | rder 2. ANGIOSPE             | DMIA   |
| BARTSIA               | O                         | Scrophularineæ.              | Bartsia.   |
| Odontites             | 1415.                     | July, Aug.                   | Road sides, waste places, poor   |
| Odontites             | 1110.                     | buly, Mug.                   | pastures, and corn fields, com-  |
| EUPHRASIA             |                           |                              | Eye Bright.  |
| officinalis           | 1416.                     | July.                        | Pastures, &c., abundant.   |
| RHINANTHUS            |                           |                              | Yellow Rattle.   |
| Crista Galli          | 657.                      | June.                        | Meadows, &c., common.  |
| MELAMIYRUM            |                           |                              | Cow Wheat.   |
| pratense              | 113.                      | July, Aug.                   | In woods, &c., common.   |
| LATHRAEA              |                           | Orobancheæ.                  | Tooth Wort.  |
| Squamaria             | 50.                       | April, May.                  | In the Wilderness at St. Clere.  1ghtham, Mr. R. Scott; and Pratt's Bottom in the hedge.  Joseph Woods, Esq.   |
| PEDICULARIS           |                           | Schrophularinea.             | Louse Wort.  |
| palustris             | 399.                      | June, July.                  | In wet boggy places.   |
| sylvatica             | 400.                      | July.                        | Meadows, pastures and heaths,  |
|                       |                           |                              | common.  |
| ANTIRRHINUM           |                           |                              | Snapdragon.  |
| majus                 | 129.                      | July, Aug.                   | Mayfield, Tunbridge, &c., generally on old walls.  |
| Orontium              | 1155.                     | July, Aug.                   | [In corn fields, rare. Forster.] Corn fields near Maidstone. Mr. W. W. Reeves.   |
| LINARIA               |                           |                              | Toadflax.  |
| Cymbalaria            | 502.                      | Summer.                      | On walls frequent, not indigenous.   |
| spuria                | 691.                      | July-Sept.                   | Corn fields, frequent.   |
| Elatine               | 692,                      | July-Sept.                   | Corn fields, common.   |
| Liatine               | 0001                      |                              | The state of the s |

### DIDYNAMIA.—GYMNOSPERMIA. TETRADYNAMIA.—SILICULOSA:

| Genera and To      | ab. of Eng.<br>Botany. | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.     |
|--------------------|------------------------|------------------------------|--|
| -                  | 658.                   | Aug.                         | Corn fields, hedges, &c. common.                 |
| vulgaris<br>minor  | 2014.                  | June, July.                  | Corn fields, not uncommon.                       |
| SCROPHULARIA       | AULT.                  | ounc, our,                   | Figwort.   |
| nodosa             | 1544.                  | July.                        | Woods and hedge sides, common.                   |
| aquatica           | 854.                   | July.                        | Sides of rivers and in wet places, common.       |
| DIGITALIS          |                        |                              | Fox Glove.                                       |
| purpurea           | 1297.                  | June, July.                  | Woods, banks, &c., frequent.                     |
| SIBTHORPIA         |                        |                              | Sibthorpia.                                      |
| europæa            | 649.                   | July, Aug.                   | Waldron Down. Mr. Kippist.                       |
| VERBENA            |                        | Verbenaceæ.                  | Vervain.   |
| officinalis        | 767.                   | July.                        | Road sides and waste places near houses, common. |
| OROBANCHE          |                        | Orobancheæ.                  | $Broom\ Rape.$                                   |
| major              | 421.                   | June, July.                  | On the roots of furze and broom, frequent.       |
| * elatior          | 568.                   | July, Aug.                   | [By the road to the High Rocks. Forster.]        |
| minor              | 422.                   | July, Aug.                   | In clover fields, frequent.                      |
|                    | CLAS                   | SS XV. TETRA                 | DYNAMIA.   |
|                    |                        | Order 1. SILIC               | ULOSA  |
| Coronopus          |                        | Cruciferæ.                   | Swine's Cress.                                   |
| Ruellii            | 1660.                  | June—Sept.                   | Waste ground, not unfrequent.                    |
| THLASPI            |                        |                              | Penny Cress.                                     |
| * arvense          | 1659.                  | June, July.                  | [In corn fields, but rarely. Fors-<br>ter.]      |
| CAPSELLA           |                        |                              | Shepherd's Purse.                                |
| Bursa Pastoris     | 1485.                  | Summer.                      | Very common.                                     |
| TEESDALIA          |                        |                              | Teesdalia.                                       |
| nudicaulis         | 327.                   | May, June.                   | Sandy heaths.                                    |
| LEPIDIUM           |                        |                              | Pepper Wort.                                     |
| campestre          | 1385.                  | July.                        | Corn fields, &c., frequent.                      |
| COCHLEARIA         | 0202                   | Man                          | Horse Raddish.                                   |
| Armoracia<br>Draba | 2323.                  | May.                         | The outcast of gardens.                          |
| verna              | 586.                   | March-May.                   | Whitlow Grass.                                   |
| + CIIId            | 000.                   | maich-may.                   | Banks, wall tops, rocks, &c.,                    |

common.

### TETRADYNAMIA.—SILIQUOSA.

| Genera and   To         | ab. of Eng<br>Botany. | Nat. Order.   Time of Flow. | English Name, Localities, and other remarks.  |
|-------------------------|-----------------------|-----------------------------|---|
|                         |                       | Order 2. SILIQU             | JOSA.   |
| DENTARIA                |                       |                             | Coral Root.   |
| bulbifera               | 309.                  | April, May.                 | On both sides of the stream near the High Rocks; in the wood at the High Rocks; at Mayfield, in the hedge by the road side about a mile from Mark Cross and elsewhere. By the stream on both sides of the road a short distance from Hook Green towards Tunbridge Wells, near the lodge entrance to Bayham Abbey, &c. |
| CARDAMINE               |                       |                             | Bitter Cress.   |
| Amara                   | 1000.                 | April—June.                 | In the wood near Penn's Rocks;<br>Mayfield, &c. not unfrequent<br>in wet shady places, particu-<br>larly in woods.  |
| pratensis               | 776.                  | May.                        | Meadows, &c., common.   |
| hirsuta                 | 492.                  | March-June.                 | On gravel and other places, com-<br>mon.  |
| flexuosa With.          |                       | March—June.                 | Shady ditches and sides of streams, not rare.   |
| BARBAREA                |                       |                             | Winter Cress.   |
| vulgaris<br>Nasturtium  | 443.                  | April—Oct.                  | Hedges and in pastures, frequent.  Cress.   |
| officinalis             | 855.                  | July.                       | (Water Cress.) Brooks and rivulets, common.   |
| terrestre               | 1747.                 | June—Sept.                  | By the road side to the High<br>Rocks, and in a field behind<br>the Sussex Tavern. Forster.<br>Several places about Tunbridge<br>Wells, not uncommon.   |
| amphibium<br>Sisymbrium | 1840.                 | June—Aug.                   | Watery places, frequent.  Hedge Mustard.  |
| officinale              | 735.                  | June, July.                 | Waste places, &c., common.  |
| * Sophia                | 963.                  | Aug.                        | [On rubbish and dung-hills. Forster.]   |
| thalianum<br>ERYSIMUM   | 901.                  | April, May.                 | On walls, houses, dry banks, &c.  Treacle Mustard.  |
| Alliaria<br>CHEIRANTHUS | 796.                  | May, June.                  | Shady hedges, &c., common.  Wall Flower.  |
| Cheiri                  | 1934.                 | April, May.                 | Old walls; Tunbridge Castle;<br>Mayfield; Bayham Abbey, &c.   |
|                         |                       |                             |   |

### TETRADYNAMIA.—SILIQUOSA. MONADELPHIA.—PENTANDRIA, &c.

| Genera and   Species. | Tab. of Eng.  <br>Botany. | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.   |
|-----------------------|---------------------------|------------------------------|--|
| HESPERIS              | _                         | _                            | Dame's Violet.   |
| * matronalis          | 731.                      | May, June.                   | [In a field near Mount Pleasant in abundance, most probably escaped from the garden. Forster.] |
| BRASSICA              |                           |                              | Cabbage Turnip.  |
| <sup>9</sup> Rapa     | 2176.                     | April, May.                  | [On the sides of corn fields. Forster.]  |
| * campestris          | 2234.                     | June, July.                  | [Among corn and on the banks of ditches. Forster.]   |
| SINAPSIS              |                           |                              | Mustard.   |
| arvensis              | 1748.                     | May, June.                   | Corn fields, common.   |
| alba                  | 1677.                     | July.                        | Corn fields and waste places.  |
| nigra                 | 969.                      | June.                        | Under hedges, &c., usually by streams.   |
| * tenuifolia          | 525.                      | July, Aug.                   | [On Tunbridge Castle and else-<br>where. Forster.]   |
| RAPHANUS              |                           |                              | Raddish.   |
| Raphanistrun          | n 856.                    | June, July,                  | Corn fields, common.   |

#### CLASS XVI. MONADELPHIA.

#### Order 1. PENTANDRIA.

| ERODIUM    |       | Geraniaceæ. | Stork's Bill.   |
|------------|-------|-------------|---|
| cicutarium | 1768. | Summer.     | On Tunbridge Wells Common and elsewhere, on dry soils, common.  |
| moschatum  | 902.  | June, July. | [On Mount Sion near Warwick House, and in Eridge Park near the Keeper's House. Forster.] I have gathered it on the Lew and near the old Workhouse, Rusthall Common, and in other places; an escape from cottagers' gardens. |

#### Order 2. DECANDRIA.

| GERANIUM    |       |             | Crane's Bill.                                |
|-------------|-------|-------------|--|
| pratense    | 404.  | June, July. | On the banks of the Medway near Maidstone.   |
| lucidum     | 75.   | June, July. | On Boughton Rocks. Mr. W, W. Reeves.         |
| robertianum | 1486. | Summer.     | Hedge sides, &c., common.                    |
| molle       | 778.  | April—Aug.  | Not unfrequent, in pastures, on rubbish, &c. |

### MONADELPHIA.-POLYANDRIA. DIADELPHIA.-HEXANDRIA, &c.

| Genera and   Species. | Tab. of Eng.<br>Botany. | Nat. Order.  <br>Time of Flow. | English Name, Localities, and other remarks.   |
|-----------------------|-------------------------|--------------------------------|--|
| pusillum              | 385.                    | June—Sept.                     | On Rusthall Common and else-<br>where, in dry waste places,<br>&c., frequent.                                      |
| dissectum             | 753.                    | May, June.                     | Hedges, banks, and corn land, particularly among clover, &c.   |
| columbinum            | 259.                    | June, July.                    | Near to the High Rocks and else-<br>where.   |
|                       |                         | Order 3. POLYA                 | NDRIA.   |
| MALVA                 |                         | Malvaceæ.                      |  |
| sylvestris            | 671.                    | June-Aug.                      | Waste places, &c., common.   |
| rotundifolia          | 1092.                   | June-Sept.                     | Waste places, &c., common.   |
| moschata              | 754.                    | July, Aug.                     | Meadows, pastures, road sides, &c., frequent.  |
| ALTHEA                |                         |                                | Marsh Mallow.  |
| officinalis           | 147.                    | Aug. Sept.                     | Bennenden, Rolvenden, &c.  |
| hirsuta               | 2674. Sup               | ot. June, July.                | Cuxton. J. Woods, Esq.   |
|                       | CL                      | ASS XVII. DIA                  | DELPHIA.   |
|                       |                         | Order 1. HEXA                  | NDRIA.   |
| CORYDALIS             |                         | Fumariaceæ.                    | Corydalis.   |
| lutea                 | 588.                    | May.                           | [On walls at the Wells, near Rose<br>Hill House. Forster.] On walls<br>at Teston near the church,<br>abundant.     |
| claviculata           | 103,                    | June, July.                    | [On the High Rocks, in the way from them to Rusthall Common, &c. Forster.] On Oldbury Hill, Ightham. Mr. R. Scott. |
| FUMARIA               |                         |                                | Fumatory.  |
| capreolata            | 943.                    | May-Aug.                       | Mount Sion and elsewhere, not uncommon.  |
| officinalis           | 589.                    | Summer.                        | Cultivated fields, road sides, &c., common.  |
|                       |                         | Order 2. OCTAN                 | NDRIA.   |
| POLYGALA              |                         | Polygaleæ.                     | Milkwort.  |
| vulgaris              | 76.                     | June, July.                    | Very common.   |
|                       |                         | Order 3. DECA                  | NDRIA.   |
| ULEX                  |                         | Leguminosæ.                    | Furze.   |
|                       |                         |                                |  |
| europæus              | 742.                    | Spring-Aut.                    | Tunbridge Wells Common, &c.  |

#### DIADELPHIA.-DECANDRIA.

|                    | b. of Eng.  <br>Botany. | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.   |
|--------------------|-------------------------|------------------------------|--|
| GENISTA            |                         |                              | Green Weed.  |
| tinctoria          | 44.                     | July, Aug.                   | Pastures, thickets, &c., frequent.   |
| pilosa             | 208.                    | May & Sept.                  | Plentiful on the high part of the forest near the branching of the road from Maresfield to Groombridge and to Hartfield, first observed by Mr. Hanley. |
| anglica<br>Cyrisus | 132.                    | June.                        | On the forests, &c., common, Broom.  |
| scoparius          | 1339.                   | June.                        | Lanes, heaths, bushy places, &c., frequent.  |
| Ononis             |                         |                              | Restharrow.  |
| arvensis           | 2659. Supt              | June—Aug.                    | Barren pastures, &c., common.  |
| (O. procurren      | s, D. C.)               |                              |  |
| antiquorum         | 682.                    | June-Aug.                    | Barren pastures, &c.   |
| (O. spinosa, I     | D.C. and E.             | B.)                          |  |
| ANTHYLLIS          |                         |                              | Kidney Vetch.  |
| Vulneraria         | 104.                    | June—Aug.                    | Allington, Mr. W. W. Reeves.<br>Morant's Court Hill, Wrotham,<br>&c., common on the chalk.   |
| OROBUS             |                         |                              | Bitter Vetch.  |
| tuberosus          | 1153.                   | May, June.                   | Woods, thickets, hedge sides,&c.   |
| β tenuifolius      |                         | May, June.                   | Forest heaths.   |
| LATHYRUS           |                         |                              | Everlasting Pea.   |
| Nissolia           | 112.                    | May.                         | Grassy, borders of fields, not common; likely to be over-looked unless in flower.  |
| pratensis          | 670.                    | July, Aug.                   | Meadows, pastures, &c., com-<br>mon.   |
| sylvestris         | 805.                    | July, Aug.                   | Sandling, near Maidstone. J, Woods, Esq.   |
| latifolius         | 1108.                   | July, Aug.                   | Fant Woods, near Maidstone.<br>Mr. W. W. Reeves.   |
| VICIA              |                         |                              | Vetch.   |
| cracca             | 1168.                   | July, Aug.                   | Hedges and bushy places, com-<br>mon.  |
| sativa             | 334.                    | June.                        | Cultivated ground, &c., not un-<br>common.   |
| angustifolia       | 2614. Supt              | June.                        | Dry pastures, &c., very common.  |
| sepium             | 1515.                   | June, July.                  | Woods and shady hedge sides, &c., frequent.  |

### DIADELPHIA.-DECANDRIA.

| Genera and   Ta   | b. of Eng.  <br>Botany. | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks,   |  |
|---|-------------------------|------------------------------|--|--|
| ERVUM   | -                       | _                            | Tare.  |  |
| hirsutum  | 970.                    | June.                        | Corn fields, &c., frequent.  |  |
| ' tetraspermum  | 1223.                   | June.                        | Moist corn fields, hedges, &c.,  |  |
| ASTRAGALUS  |                         |                              | Milk Vetch.  |  |
| Glycyphyllus  | 203.                    | July.                        | Near Allington Castle, and by<br>the hedge in a field near East<br>Farleigh. Mr. W. W. Reeves.                         |  |
| ORNITHOPUS  |                         |                              | Bird's Foot.   |  |
| perpusillus   | 369.                    | June.                        | On Tunbridge Wells Common and other dry places, common.  |  |
| HIPPOCREPIS   |                         |                              | Horseshoe Vetch.   |  |
| comosa  |                         | July,                        | Common on the chalk about Wrotham, &c.   |  |
| ONOBRYCHIS  | TETAL M                 | mett and met                 | Saintfoin.   |  |
| sativa  | 90.                     | June, July.                  | [On the south side of the Great<br>Rocks, most probably from<br>seed sown. Forster.] Not un-<br>frequent on the chalk. |  |
| MELILOTUS   |                         |                              | Melilot.   |  |
| officinalis   | 1340.                   | June, July.                  | Bushy places, road sides, &c., frequent.   |  |
| TRIFOLIUM   | 7800                    |                              | Trefoil.   |  |
| repens  | 1769.                   | Summer.                      | (Dutch Clover.) Meadows, &c., common.  |  |
| subterraneum  | 1048.                   | May.                         | Dry pastures, frequent.  |  |
| * ochroleucum   | 1224.                   | July, Aug.                   | [On the High and Harrison's Rocks. Forster.]   |  |
| pratense  | 1770.                   | Summer.                      | Meadows and pastures, frequent.  |  |
| medium  | 190.                    | July.                        | On the bank by a small pond<br>near Boar's Head, and several<br>other places, common in the<br>Weald.                  |  |
| scabrum   | 903.                    | May, June.                   | Dry sandy places, &c., not un-<br>common.  |  |
| arvense   | 944.                    | July, Aug.                   | Corn fields and on the rocks, and other dry places, frequent.  |  |
| * striatum  | 1843.                   | June.                        | [Near the Race Ground at Tun-<br>bridge Wells. Forster.]   |  |
| fragiferum  | 1050.                   | July, Aug.                   | Moist pastures, road sides, &c.  |  |
| procumbens  | 945.                    | June, July.                  | Dry pastures and corn fields, frequent.  |  |
| filiforme   | 1256.                   | June, July.                  | Dry pastures, road sides, &c.  |  |
| β microphyllum 1257. Spt. June, July. Dry pastures, &c. |                         |                              |  |  |

#### POLYADELPHIA.-POLYANDRIA. SYNGENESIA.-ÆQUALIS.

|                       | b. of Eng.  <br>Botany. | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.   |
|-----------------------|-------------------------|------------------------------|--|
| Lorus                 | -                       | , -                          | Bird's Foot Trefoil.   |
| corniculatus          | 2090.                   | July, Aug.                   | Meadows, pastures, &c., com-<br>mon.   |
| tenuis<br>(decumbens. |                         | July.                        | Near Mr. Sloper's farm, not far<br>from Tunbridge. Forster.                                    |
| major                 | 2091.                   | July, Aug.                   | Sides of ditches and moist bushy places, common.   |
| MEDICAGO              |                         |                              | Medick.  |
| sativa                | 1749.                   | June, July,                  | (Lucerne.) Meadows, originally cultivated. Forster. Abundant at the back of Mount Ephraim, &c. |
| lupulina              | 971.                    | May, Aug.                    | Waste grounds and cultivated fields, common.   |
| maculata              | 1616.                   | May, June.                   | Sandy and gravelly wastes, under walls, &c., not common.                                       |

#### CLASS XVIII. POLYADELPHIA.

#### Order 1. POLYANDRIA.

|              |       |               | - Control - Cont |
|--------------|-------|---------------|--|
| HYPERICUM    |       | Hypericinieæ. | St. John's Wort.   |
| Androsæmum   | 1225. | July.         | Hedge banks, woods, &c. frequent in all parts of the Weald.  |
| quadrangulum | 370.  | July.         | Hedge sides and moist places, common.  |
| perforatum   | 295.  | July.         | Very common.   |
| humifusum    | 1226. | July.         | Heaths; on the forests, and in boggy pastures, frequent.   |
| montanum     | 371.  | July.         | Near Bessell's Green, Sevenoaks.   |
| hirsutum     | 1156. | July.         | Speldhurst; Tunbridge, &c., not uncommon.  |
| pulchrum     | 1227. | July.         | Dry woods, heaths, &c., common.  |
| elodes       | 109.  | July, Aug.    | In bogs on the forests, &c., com-  |

#### CLASS IX. SYNGENESIA.

#### Order 1. ÆQUALIS.

| TRAGOPOGON  |      | Cichoraceæ. | Goat's Beard.                                   |
|-------------|------|-------------|---|
| minor, D.C. |      | June.       | Borders of fields, &c. frequent.                |
| pratensis   | 434. | June.       | Framfield. Mr. Lingwood.                        |
| HELMINTHIA  |      |             | Ox Tongue.                                      |
| echioides   | 972. | June, July. | Waste places and borders of fields, not common. |

#### SYNGENESIA .- ÆQUALIS.

| Genera and  <br>Species. | Tah. of Eng.  <br>Botany. | Nat. Order.<br>Time of Flow. | English Name, Localities, and other vemarks.  |
|--------------------------|---------------------------|------------------------------|---|
| Picris                   | See on the                | _                            | Picris.   |
| hieracioides             | 196.                      | June, July.                  | Waste places, by road sides, &c., most frequent on the chalk.   |
| APARGIA                  |                           |                              | Hawkbit.  |
| hispida                  | 554.                      | June, July.                  | Meadows, pastures, and heaths, frequent.  |
| autumnalis               | 830.                      | Aug.                         | Meadows and pastures, frequent.   |
| THRINCIA                 |                           |                              | Thrincia.   |
| hirta                    | 555.                      | July, Aug.                   | Sandy and dry pastures, com-  |
| Hypochæris               |                           |                              | mon. Cat's Ear.   |
| glabra                   | 575.                      | July, Aug.                   | On Tunbridge Wells and Rust-<br>hall Commons.   |
| β Balbisii<br>(H. Bal    | Bab.<br>bisii Lois.)      | July, Aug.                   | Sandy ground between Seven-<br>oaks and the Wilderness. Mr.<br>Borrer.  |
| radicata                 | 831.                      | July.                        | Pastures, hedge banks, &c.  |
| LACTUCA                  |                           |                              | Lettuce.  |
| * virosa                 | 1957.                     | Aug.                         | [Hedges and walls. Forster.]  |
| muralis                  | 457.                      | July.                        | On walls and in woods, common.  |
| CREPIS                   |                           |                              | Hawk's Beard.   |
| virens<br>(C. tector     | 1111.<br>um E.B.)         | July.                        | Dry pastures, meadows, roofs of cottages, &c., common.  |
| biennis Lin              | n. 149.                   | June, July.                  | Morant's Court Hill. Mr. Borrer. According to Mr. Borrer, the seed in the Eng. Bot. fig. 149, seems to belong to Bork. taraxacifelia. |
| Sonchus                  |                           |                              | Sow Thistle.  |
| arvensis                 | 674.                      | Aug.                         | Corn fields.  |
| oleraceus                | 843.                      | June-Aug.                    | Cultivated ground, common.  |
| asper                    | 2765. Sup                 | t. June-Aug.                 | Cultivated ground and hedges.   |
| LEONTODON                |                           |                              | Dandelion.  |
| Taraxacum                | 510.                      | Summer.                      | Very common,  |
| • β palustr<br>(L. palu  | re 553.<br>istre E.B.)    | Summer.                      | [In moist moors and marshes. Forster.]  |
| BORKHAUSIA               |                           |                              | Borkhausia.   |
| taraxacifoli             | ia                        | June, July.                  | Road side by Smockham Mill Pond. Mr. Borrer.  |
| fœtida                   | 406.                      | July.                        | Here and there on the chalk hills from Knockholt to Wrotham. Jos. Woods, Esq.   |

### SYNGENESIA.-ÆQUALIS.

| Genera and<br>Species.  | Tab. of Eng.<br>Botany. | Nat. Order.  <br>Time of Flow. | English Name, Localities, and other remarks.   |
|-------------------------|-------------------------|--------------------------------|--|
| HIBRACIUM               | _                       | _                              | Hawkweed.  |
| Pilosella               | 1093.                   | May-July.                      | Dry pastures, heaths, & wall tops.   |
| murorum                 | 2082.                   | July, Aug.                     | In a lane at Cowden. Mr. E. Forster. Wood near Southborough, &c.   |
| sylvaticum              |                         | Aug.                           | Old Tye Common. Mr. Borrer:  |
| boreale Fri<br>(sabaudu | es. 349.<br>m E. B.)    | Aug., Sept.                    | Wood sides and hedges.   |
| umbellatur              |                         |                                | Heaths, woods and hedge banks.   |
| rigidum (H              | art.)<br>Bab.           | July, Aug.                     | Road side between Eridge Green<br>and Boar's Head, and here and<br>there on the forests.   |
| LAPSANA                 | 844.                    | July, Aug.                     | Nipple Wort. Garden ground, waste places, &c., common.   |
| Cichorium<br>Intybus    | 539.                    | July, Aug.                     | Road sides; Maidstone; Wrotham, and other places, common on the chalk.   |
| ARCTIUM                 |                         | Cinarocephalæ.                 | Burdock.   |
| Lappa                   |                         | July, Aug.                     | Waste places and way sides.  |
| Bardana<br>(Lappa β     | Hook )                  | July, Aug.                     | Waste places, hedges, &c.  |
| SERRATULA               | 120011.7                |                                | Saw Wort.  |
| tinctoria               | 38,                     | August.                        | Heaths and woods.  |
| CARDUUS                 |                         |                                | Thistle.   |
| nutans                  | 1112.                   | July, Aug.                     | Waste grounds in dry stony soil, common on the chalk.  |
| acanthoides             | 973.                    | June, July.                    | Wastes, road sides, &c., most frequent on the chalk.   |
| Marianus                | 976.                    | July.                          | Tunbridge Wells Common.  |
| CNICUS                  |                         |                                | Plume Thistle.   |
| lanceolatus             | 107.                    | July, Aug.                     | Road sides, wastes, and hedges.  |
| palustris               | 974.                    | July.                          | Boggy places, woods, meadows and pastures.   |
| arvensis                | 975.                    | July.                          | Corn fields, wastes, and neglected pastures.   |
| Forsteri                |                         | July, Aug.                     | In the wood, left of the road from Tunbridge Wells to Frant; first observed by Mr. T. F. Forster.  A single plant was once found among C. pratensis, by the road from Tunbridge Wells to Eridge Green by Mr. Borrer. |
| pratensis               | 177.                    | July.                          | Springy places on the forests and elsewhere, frequent.   |
| acaulis                 | 161.                    | July.                          | Open downs, &c., common on the chalk.  |
|                         | 4                       |                                |  |

# SYNGENESIA .- ÆQUALIS. SUPERFLUA.

| the name of                      |           | BOIL MAUNLIS                 | . BUFERFLUA.   |
|----------------------------------|-----------|------------------------------|--|
| Genera and   Tal<br>Species:   1 | Botany.   | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.   |
| ORNOPORDUM                       |           |                              | Cotton Thistle.  |
| * Acanthium                      | 977.      | August.                      | [On rubbish and road sides.— Forster.]   |
| CARLINA                          |           |                              | Carline Thistle.   |
| vulgaris                         | 1144.     | June.                        | Rusthall Common, &c.   |
| BIDENS                           |           | Corymbiferæ.                 | Bur Marigold.  |
| cernua                           | 1114.     | June-Aug.                    | Sides of ponds, bogs, &c.  |
| tripartita                       | 1113.     | July.                        | Sides of ponds and watery places.  |
| EUPATORIUM                       | ( priest) |                              | Hemp Agrimony.   |
| cannabinum                       | 428.      | July, Aug.                   | Wet hedges and other watery places.  |
| Goord orman .                    |           |                              |  |
| T. M. Commune                    |           | Order 2. SUPERF              |  |
| TANACETUM                        | 1000      | A                            | Tansey.  |
| vulgare                          | 1229.     | August.                      | About Wrotham and elsewhere, frequent on the banks of streams, &c.                                 |
| ARTEMISIA                        |           |                              | Wormwood, Mug Wort.  |
| * Absinthium                     | 1230.     | August.                      | [Harrison's Rocks & elsewhere.   |
| vulgaris                         | 978.      | August.                      | Road sides, &c.  |
| GNAPHALIUM                       |           |                              | Cud Weed.  |
| sylvaticum                       | 104       | Aument 200A                  | Non Hamison's Books Fulles   |
| β rectum                         | 124.      | August.                      | Near Harrison's Rocks, Eridge<br>Park, and near the High Rocks.                                    |
| (G. rectum                       | E. B)     | , July. Wast                 | Forster. Woods and pastures, not unfrequent.   |
| uliginosum                       | 1194.     | August, Sept.                | Wet places, common.  |
| FILAGO                           |           |                              | Filago.  |
| minima                           | 1157.     | June-Sept.                   | Dry waste places, frequent.  |
| germanica                        | 946.      | June, July.                  | Dry corn fields, pastures, &c.   |
|                                  | . 010,    | ounc, our,                   | Butter Bur.  |
| PETASITES                        | 401.      | A 3 F                        |  |
| vulgaris                         | 431;      | April, May.                  | Near Penshurst & Summer Hill.<br>Forster. Here and there in<br>wet meadows, and on river<br>banks. |
| TUSSILAGO                        |           |                              | Colt Foot.   |
| Farfara                          | 429.      | March, April.                | Very common.   |
| EIGERON                          |           | West .                       | Flea Bane.   |
| acris                            | 1158.     | August.                      | Dry pastures, banks, and wall tops, chiefly in the chalk dis-                                      |
|                                  |           |                              | trict.   |

# SYNGENESIA.—SUPERFLUA.

| Genera and   Species. | Tab. of Eng.<br>Botany. | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.   |
|-----------------------|-------------------------|------------------------------|--|
| SENECIO               | _                       | _                            | Groundsel,   |
| vulgaris              | 747.                    | Summer.                      | Waste and cultivated grounds, very common.   |
| * viscosus            | 32.                     | July, Aug.                   | [Once found on Mount Sion,<br>Tunbridge Wells. Forster.]                                     |
| sylvaticus            | 748.                    | July.                        | Dry banks, pastures, and heaths.   |
| tenuifolius           | 574.                    | July, Aug.                   | Hedges and road sides, frequent.   |
| Jacobæa               | 1130.                   | July, Aug.                   | Way sides and neglected pas-<br>tures, common.   |
| aquaticus             | 1131.                   | July, Aug.                   | Wet wastes, sides of rivers, ditches, &c,  |
| SOLIDAGO              |                         |                              | Golden Rod.  |
| Virgaurea             | 301.                    | July—Sept.                   | Woods, thickets, &c., common.  |
| INULA                 |                         |                              | Ellecampane.   |
| * Helenium            | 1546.                   | July, Aug.                   | [On the walls of Summer Hill garden. Forster.]   |
| Conyza                | 1195,                   | Sept., Oct.                  | [High Rocks. Forster.] Morant's Court Hill, and elsewhere on hedge banks, &c., on the chalk. |
| PULICARIA             |                         |                              | Flea Bane.   |
| dysenterica           | 1115.                   | August.                      | Wet places by way sides, &c., frequent.  |
| vulgaris              | 1196.                   | September.                   | Edges of ponds and places where water has been stagnant, fre-                                |
| Bellis                |                         |                              | quent.   |
| perennis              | 424.                    | SprAut.                      | Pastures, &c., everywhere.   |
| CHRYSANTHEN           | MUM                     |                              | Ox Eye.  |
| Leucanthem            | um 601.                 | June, July.                  | Pastures & wet places, frequent.   |
| segetum               | 540.                    | June-Aug.                    | Corn fields, &c.   |
| PYRETHRUM             |                         |                              | Feverfew.  |
| Parthenium            | 1231.                   | July.                        | Hedges & waste places, frequent.   |
| inodorum              | 676.                    | Aug.—Oct.                    | Corn fields and road sides, every-<br>where.   |
| MATRICARIA            |                         |                              | Wild Chamomile.  |
| Chamomilla            | 1232.                   | August.                      | Corn fields and waste grounds,   |
| ANTHEMIS              |                         |                              | Chamomile.   |
| nobllis               | 980.                    | August.                      | Dry pastures and waste places.   |
| * arvensis            | 602.                    | July.                        | [Near Withyham. Forster.]  |
| Cotula                | 1772.                   | July, Aug.                   | Corn fields & waste places, com.   |
|                       |                         |                              | 1  |

# SYNGENESIA.-FRUSTRANEA. GYNANDRIA.-MONANDRIA.

| 0               |                         |                              | THE PRIME TO A .   |
|-----------------|-------------------------|------------------------------|--|
| Species         | Tab. of Eng.<br>Botany. | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.   |
| ACHILLEA        |                         | _                            | _  |
| Ptarmica        | 252                     |                              | Yarrow.  |
|                 | 757.                    | July, Aug.                   | Moist meadows, sides of ditches, and other moist places.                                 |
| Millefolium     | 758.                    | Summer.                      | Pastures, way sides, &c., com.   |
| Andread hora of |                         | Order 3. FRUSTRA             | ANEA.  |
| CENTAUREA       |                         | Cinarocephalae.              | **   |
|                 | 070                     |                              | Knapweed.  |
| nigra           | 278.                    | June-Aug.                    | Road sides, meadows, &c., com.   |
| β(C. nigre      | willd.)                 | June—Aug.                    | Meadows, &c., not common.  |
| Cyanus          | 277.                    | July, Aug.                   | About Kemsing, Wrotham, and  |
| ACCUMENT OF     |                         |                              | other places on the chalk, frequent.   |
| Scabiosa        | 56.                     | July, Aug.                   | Corn fields, &c., not uncommon.  Forster. By road sides and edges of corn fields; on the |
|                 |                         |                              | chalk, frequent.   |

#### CLASS XX. GYNANDRIA.

#### Order 1. MONANDRIA.

| ORCHIS      |       | Orchideæ.   | Orchis.  |
|-------------|-------|-------------|--|
| Morio       | 2059, | June.       | Meadows and pastures, common.  |
| mascula     | 631.  | June.       | Woods and pastures, frequent.  |
| ustulata    | 18.   | June.       | Here and there on the chalk dis-<br>tricts between Knockholt and<br>Wrotham.                     |
| fusca       | 16.   | May.        | On the chalk above Westerham, near Knockholt, &c., and in woods near Fawkham. Joseph Woods, Esq. |
| hircina     | 34.   | July.       | Near Knockholt.*   |
| pyramidalis | 110.  | July.       | Morant's Court Hill and other places on the chalk.   |
| latifolia   | 2308. | June.       | Wet meadows and marshyplaces, not common.  |
| maculata    | 632.  | June, July. | Pastures, heaths, and on the forests, common.  |

<sup>\*</sup> I insert this on the information of Mr. R. Scott, who saw a living specimen that had been gathered near Knockholt, by a gardener formerly living at Chevening. The author would be pleased to hear from any person who might be fortunate enough to meet with it again.

### GYNANDRIA.-MONANDRIA.

| Genera and                     | Tab. of Eng. Botany. | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.  |
|--------------------------------|----------------------|------------------------------|---|
| GYMNADENIA<br>conopsea         | 1202.                | June—Aug.                    | Fragrant Orchis. On all the forest district, very common.   |
| HABENARIA<br>albida            | 505.                 | June, July.                  | Habenaria. On Ashdown Forest, near Nut- ley, discovered in 1839, by Jos. Woods, Esq.  |
| bifolia                        | 2806.Sup             | t. June, July.               | On the forest district, common.   |
| chlorantha                     | 22.                  | June, July.                  | In the woods near Boar's Head<br>Rocks, very fine; in the hedges<br>about Bidborough, and in an<br>old marl pit in the meadow left  |
|                                |                      | •                            | of the road from Southborough to Tunbridge. Sir William Hooker refers this to O.bifolia. It differs not only in the diverging anthers, but in the leaves and colour, and is much larger.  |
| ACERAS<br>anthropophor         | a 29.                | June.                        | Man Orchis.  Here and there on the line of chalk hills from Knockholt to Wrotham.   |
| HERMINIUM                      | 71.                  | June, July.                  | Musk Orchis. In an old pit on Morant's Court Hill.  |
| OPHRYS<br>apifera              | 383.                 | July.                        | Ophrys.  Bee Ophrys. In a field near Cross in Hand with Chlora perfoliata. Jos. Woods, Esq. Morant's Court Hill and other   |
| mucifera                       | 64.                  | June,                        | places on the chalk.  Fly Ophrys.  In the Fant woods, and at Allington, near Maidstone. Mr.  W.W. Reeves. Morant's Court Hill and elsewhere; frequent on the chalk.   |
| NEOTTIA<br>spiralis            | 541.                 | Aug. Sept.                   | Ladies' Tresses. Withyham. Forster. Near Fisher's Castle, Tunbridge Wells. Mr.W.W. Reeves. Tunbridge Wells Common. Mr. J. Nash.   |
| LISTERA<br>ovata<br>Nidus avis | 1548.<br>48.         | June.<br>May, June.          | Waldron Down & other places, not common in the Weald.  Tway Blade.  Woods, &c., frequent.  Bird's nest. Near the little brook by the High Rocks towards Rusthall Common. Forster.  In the wood, left of the road from Tunbridge Wells to Woodsgate. Mr. Bentley. And in the wood by the High Rocks. |

# MONŒCIA.-MONANDRIA.

| Genera and   Species. | Tab. of Eng.  <br>Botany. | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.   |
|-----------------------|---------------------------|------------------------------|--|
| EPIPACTUS             |                           |                              | Heleborine.  |
| latifolia             | 269.                      | July, Aug.                   | In woods and shady places about<br>Mayfield, Waldron, and other<br>parts of the Weald.   |
| grandiflora           | 271.                      | June.                        | Morant's Court Hill, Fant Woods<br>near Maidstone, Fawkham,<br>and elsewhere on the chalk,<br>not uncommon.  |
| MALAXIS               |                           |                              | Bog Orchis,  |
| paludosa              | 72.                       | July, Aug.                   | Forster inserted this in the Flora Tonbridgensis as growing at Tunbridge Wells, on the authority of Ray. I found it in Pressbridge Warren, near Wych Cross Ashdown Forest, in July, 1841; and in abundance on the great bog near Kidbrook Park pales, in July, 1842. |

#### CLASS XXI. MONŒCIA.

#### Order 1. MONANDRIA.

| EUPHORBIA    |            | Euphorbiaceæ. | Spurge.  |
|--------------|------------|---------------|--|
| helioscopia  | 883.       | July, Aug.    | Cultivated and waste ground, common.   |
| platyphylla  | 333.       | July, Aug.    | Once found in a corn field near<br>the High Rocks. Forster. Wad-<br>hurst. J. Woods, Esq. In a<br>corn field between Rusthall<br>Common and the road to the<br>High Rocks; & between Cran-<br>brook and Hawkhurst, &c.   |
| exigua       | 1336.      | July.         | Corn fields, common.   |
| Peplus       | 959.       | July, Aug.    | Cultivated ground.   |
| amygdaloides | 256.       | March, Apr.   | Woods and thickets, common.  |
| CALLITRICHE  |            | Halorageæ.    | Water Starwort.  |
| verna        | 722.       | April, May.   | Ditches, ponds and slow streams, common.   |
| platycarpa   | 2732. Spt. | June—Oct.     | In springy places and in ditches, &c., nearly dried up in summer. Forster's plant C. autumnalis is doubtless either a var. of C. verna, or possibly the sessile fruited var. of C. pedunculata, Brit. Flora. I have not seen it in this district, but Mr. Borrer finds it at Tilgate and on Plummer's Plain, it is therefore not unlikely to be met with here. |

# MONŒCIA.-TRIANDRIA.

| Genera and   Ta            | b. of Eng.  <br>Botany. | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.  |
|----------------------------|-------------------------|------------------------------|---|
| ZANNICHELLIA               | THE PARTY               | Naiades.                     | Horned Pond Weed.   |
| palustris                  | 1844.                   | August.                      | Ditches and stagnant waters, common.  |
|                            |                         | Order 3. TRIAN               | DRIA.   |
| Турна                      |                         | Aroideæ.                     | Cat's Tail.   |
| latifolia                  | 1455.                   | July, Aug.                   | Bayham Abbey. Forster. Borders of ponds, &c., not unfrequent. A var. of this occurs at Maresfield mill pond, with the leaves as narrow as those of T. angustifolia, the sterile and fertile catkins scarcely distant and as large as in T. latifolia. |
| angustifolia               | 1456.                   | July.                        | Pond in Buckhurst Park, near the mill. Forster.   |
| SPARGANIUM                 |                         |                              |   |
| ramosum                    | 744.                    | July,                        | Ditches and stagnant waters, common.  |
| simplex                    | 745.                    | July.                        | Ditches and stagnant waters, frequent.  |
| CAREX                      |                         | Cyperaceæ.                   | Sedge.  |
| * diocia                   | 543.                    | May, June.                   | [On the peat bogs on Waterdown Forest. Forster.]  |
| pulicaris                  | 1051.                   | May, June.                   | Bogs, &c., common.  |
| stellulata                 | 806.                    | May, June.                   | Bogs on the forests, &c., com.  |
| ovalis                     | 306.                    | June.                        | On the forests and in wet and boggy places, common.   |
| curta                      | 1386.                   | June.                        | In the damp part of the woods near Frant, and in the little wood behind the Sussex Tavern. Forster. In boggy places, not common.  |
| remota                     | 832.                    | June.                        | Moist ditch banks.  |
| muricata                   | 1097.                   | May, June.                   | Hedge sides and moist pastures.   |
| divulsa                    | 629.                    | May, June.                   | Moist shady pastures and hedge sides, common.   |
| vulpina                    | 307.                    | June.                        | Bogs, banks of ditches & rivers.  |
| paniculata                 | 1604,                   | June.                        | Swampy bogs, common.  |
| Goodenooii<br>(cæspitosa ( | 1507.<br>Good. E. B.)   | May, June.                   | Moist meadows and other wet places.   |
| acuta                      | 580.                    | May.                         | In watery places and wet meadows. Forster. By marsh ditches, &c.  |

# MONŒCIA,-Monandria. Tetrandria.

|                          | morre                 | CIII,-MONANDRIA              | . IETRANDRIA.   |
|--------------------------|-----------------------|------------------------------|---|
| Genera and   Tal         | b. of Eng.<br>Botany. | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.  |
| flava                    | 1294.                 | May, June.                   | In wet boggy places, in woods, and on the forests, &c., com.  |
| Œderi                    | 1773.                 | May, June.                   | Blackboy's Common. J. Woods.  Esq. Mr. Borrer however, informs me, that the supposed Sussex C. Œderi is only a starved state of C. flava. Can the two be distinct?          |
| pallescens               | 2185.                 | June.                        | Waterdown Forest, woods near<br>the High Rocks, and other<br>places, common.  |
| binervis                 | 1235.                 | June.                        | On the forests, abundant.   |
| lævigata                 | 1387.                 | June.                        | In the woods, &c., frequent. A small state of this (which has been confused with <i>C. distans</i> ) grows in the meadow between Tunbridge Wells Common and the Hurst Wood. |
| panicea                  | 1505.                 | June.                        | On the forests, &c., common.  |
| strigosa                 | 994.                  | May, June.                   | Ticehurst. J. Woods, Esq. Cranbrook, &c., rare.   |
| sylvatica                | 995.                  | May, June.                   | In moist woods, &c., common.  |
| pendula                  | 2315.                 |                              | Moist woods and shady places, frequent.   |
| Pseudo cyperus           | 242.                  | June.                        | Banks of rivers, &c.  |
| glauca<br>(recurva E. B. | 1506.<br>& Hooke      | June.                        | Very common.  |
| præcox                   | 1099.                 | April, May.                  | Dry heaths, banks and pastures.   |
| pilulifera               | 885.                  | June.                        | Heaths, and on the forests, com.  |
| hirta                    | 685.                  | May. June.                   | In moist shady places, not un-<br>common.   |
| ampullacea               | 780.                  | June.                        | Watery bogs.  |
| vescicaria,              | 779.                  | May, June.                   | In Benhill mill pond and else-<br>where.  |
| paludosa                 | 807.                  | May.                         | Banks of rivers, &c., frequent,   |
| riparia                  | 579.                  | May.                         | Edges of ponds, banks of rivers, &c.  |
|                          |                       | Order 4. TETRAN              | DRIA,   |
| LITTORELLA               |                       | Plantagineæ.                 | Shore Weed.   |
| lacustris                | 468.                  | June.                        | Pond on Pilt Down.  |
| ALNUS                    |                       | Amentaceæ.                   | Alder.  |
| glutinosa                | 1508.                 | March, April.                | Moist grounds bywater, frequent.  |
| Buxus                    |                       | Euphorbiaceæ.                | Box.  |
| sempervirens             | 1341                  | April.                       | Sheffield Forest, looking as if wild. Mr. Lingwood.   |
|                          |                       |                              |   |

### MONŒCIA.-Pentandria,-Polyandria.

| Genera and T        | ab. of Eng. Botany. | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.   |
|---------------------|---------------------|------------------------------|--|
| URTICA              |                     | Urticeæ.                     | Nettle.  |
| urens               | 1236.               | June-Oct.                    | Waste places and cultivated ground, common.  |
| dioica              | 1750.               | July, Aug.                   | Waste places under walls, &c.  |
| AMARANTHUS          |                     | Aramanthaceæ.                | Amaranth.  |
| * Blitum            | 2212.               | August.                      | [In cultivated places and dung hills. Forster.]  |
| BRYONIA             | 400                 | Cucurbitaceæ.                | Bryony.  |
| dioica              | 439,                | May.                         | Thickets and hedges, common.   |
| THE PERSON NAMED IN |                     | Order 7. POLTAN              |  |
| CBRATOPHYLLUM       |                     | Ceratophylleæ.               | Horn Wort.   |
| * demersum          | 947.                | July,                        | [In the fish pond in the wood behind the Sussex Tavern. Forster.]  |
| MYRIOPHYLLUM        |                     | Halorageæ.                   | Water Milfoil.   |
| spicatum            | 83.                 | July, Aug.                   | Ditches and stagnant water.  |
| verticillatum       | 218.                | July.                        | Pond on Ashdown Forest, near<br>Wood's Nursery, and else-<br>where in ponds and ditches.   |
| SAGITARIA           |                     | Alismaceæ.                   | Arrow Head.  |
| sagittifolia        | 84.                 | July, Aug.                   | [At Tunbridge. Forster.] Yal-  |
|                     |                     |                              | ding, Wateringbury, and be-<br>tween Maidstone & Aylesford.  |
| ARUM                |                     | Aroideæ.                     | Cuckow Pint, or Wake Robin.  |
| maculatum           | 1298.               | April, May.                  | Woods and hedges, common.  |
| POTERIUM            |                     | Rosaceæ.                     | Salad Burnett.   |
| Sanguisorba         | 860.                | July.                        | [In the fields near the High Rocks Forster.] Common on the chalk; Morant's Court Hill,&c.  |
| QUERCUS             |                     | Amentaceæ.                   | Oak.   |
| Robur               | 1342.               | April, May.                  | Woods, hedges, &c.   |
| sessiliflora        | 1845.               | April, May.                  | Withyham. Forster. Hill Park, near Westerham; Sheffield Park, at Eridge, and elsewhere. Dr. Lindly affirms that Q. sessiliflora is as superior to Q. Robur in the quality of its timber, as it is in beauty and vigour of growth. Syn. of Brit. Flora. Cooper also has some excellent remarks on this subject in the Appendix to the History of Sussex, vol. ii, p. 6, under the head "Botany." The wood of this tree is usually called chesnut by carpenters, and it deserves the consideration of nurserymen and planters. |
|                     |                     |                              | 0  |

# MONŒCIA.-POLYANDRIA. DIŒCIA.-DIANDRIA.

| Genera and   T   Species. | ab. of Eng. Botany. | Nat. Order.  <br>Time of Flow, | English Name, Localities, and other remarks.  |
|---------------------------|---------------------|--------------------------------|---|
| FAGUS                     | Want !              |                                | Beech.  |
| sylvatica                 | 1846.               | April, May.                    | Woods and hedges, common.   |
| CASTANEA                  |                     |                                | Chestnut.   |
| vulgaris<br>(Fagus Casta  | 886.<br>inea E. B.) | May.                           | On Harrison's Rocks. Forster. Uckfield. Wm. Borrer, Esq., and elsewhere, but probably introduced.  Birch.                   |
| alba                      | 2198.in p           | art April, May.                | Very common.  |
| glutinosa<br>Bab. Man     | 2198.in p           | part April, May.               | This tree, whether species or variety, is equally common with the last.   |
| ALMUS                     |                     |                                | Alder.  |
| glutinosa                 | 1508.               | March.                         | Wet places, river banks, &c., common.   |
| CARPINUS                  |                     |                                | Hornbeam.   |
| Betulus                   | 2032.               | May.                           | In woods and hedges, near Groombridge, &c. Forster.   |
| Corylus                   |                     |                                | Hazel Nut.  |
| Avellana                  | 723.                | March, April.                  | Hedges, woods, &c., abundant.   |
|                           |                     | Order 8. MONODE                | LPHIA.  |
| PINUS                     |                     | Coniferæ.                      | Scotch Fir.   |
| sylvestris                | 2460.               | May, June.                     | Queen's Grove, TunbridgeWells,<br>not indigenous. Forster. On<br>the forests, self sown in abun-<br>dance from plantations. |
|                           | (                   | CLASS XXII. DI                 | ŒCIA.   |

#### Order 1. DIANDRIA.

| SALIX (1)    |             | Amentaceæ,        | Willow.   |
|--------------|-------------|-------------------|---|
| * triandra   | 1435.       | May—Aug.          | [In the way from the Wells too the High Rocks. Forster.]              |
| Hoffmanniana | 2620. Supt. | May.              | At the back of Mount Ephraim.   |
| * amygdalina | 1936.       | Apr., May, & Aug. | [Near Speldhurst, towards thee Wells. Forster.]                       |
| decipiens    | 1937.       | May.              | In the wood behind the Coldd<br>Bath on Rusthall Commons.<br>Forster. |
| fragilis     | 1807.       | April, May.       | Near Speldhurst and elsewhere   |

<sup>(1)</sup> I cannot pretend to any accurate acquaintance with this puzzling genuss I have given all Forster's stations.

#### DIŒCIA.-DIANDRIA.

| Genera and Tab<br>Species. B | of Eng.         | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.  |
|------------------------------|-----------------|------------------------------|---|
| Russelliana                  | 1808.           | April, May.                  | At Speldhurst and elsewhere. Forster.   |
| alba                         | 2430.           | May.                         | In the lane from Summer Hill<br>House to Tunbridge. Forster.  |
| β (cærulea E. B.)            | 2431.           | May.                         | Not far from Tunbridge, and on<br>the Maidstone road from Woods-<br>gate. Forster.                                      |
| vitellina                    | 1389.           | May.                         | Near the Cold Bath on Rusthall Common, and at Tunbridge. Forster.   |
| * rosmarinifolia             | 1365.           | August.                      | [In Abergavenny Park, on the side of the bog near the warren towards the Rocks. Forster.]                               |
| fusca                        | 100             | Annil Man                    | On the forests, &c., common.  |
| β repens                     | 183.            | April, May.                  |   |
| ° γ prostrata                | 1959.           | April, May.                  | [Believed to be once found in a wood near Bayham Abbey. Forster.] Probably S. ambigua, Eng. Bot. Sup. 2733. Mr. Borrer. |
| δ (fœtida,E.Fl<br>adcender   |                 | April, May.                  | On the forests. A var. with smaller leaves, S. parviflora, E. B. 1961, on Waterdown Forest. Forster.                    |
| • o (argentea)               | 1364.           | April, May.                  | On the left of the road from Frant to the Wells. Forster.   |
| viminalis                    | 1898.           | April, May.                  | In Osier grounds and wet places.  Forster.  |
| * Smithiana<br>(S. molissima | 1509.<br>E. B.) | April, May.                  | [Near Speldhurst. Forster.]   |
| * acuminata (2)              | 1434.           | April.                       | [In damp woods and hedges. Forster.]  |
| cinerea                      | 1897.           | April.                       | In woods, very common. Fors-<br>ter.  |
| aquatica                     | 1437.           | April.                       | In woods and wet hedges, very common. Forster.  |
| oleifolia                    | 1402.           | March.                       | Near Speldhurst. Forster.   |
| aurita                       | 1487.           | May.                         | In woods and wet hedges; on<br>the bogs, very common. Fors-<br>ter.   |
| caprea                       | 1488.           | April, May,                  | In damp woods and hedges, very common. Forster.   |
| * nigricans                  | 1213.           | April.                       | [In the wood at the Cold Bath, on RusthallCommon. Forster.]   |
| * bicolor                    | 1806.           | April.                       | [Near Bayham Abbey. Forster.]   |

<sup>(2)</sup> Mr. Borrer thinks it probable that Forster's plant is S. rugosa of Babington's Manual—S. holosericea, Brit. Flora.

# DIŒCIA.-TRIANDRIA. ENNEANDRIA.

| Genera and   T | ab. of Eng. Botany. | Nat. Order.<br>Time of Flow. | English Name, Localities, and other remarks.   |
|----------------|---------------------|------------------------------|--|
|                |                     | Order 2. TRIAND              | PRIA.  |
| Ruscus         |                     | Smilaceæ.                    | Butcher's Broom.   |
| aculeatus      | 560.                | March, April.                | Foord's Green, near Nutley, in abundance.  |
|                |                     | Order 3. TETRAN              | DRIA.  |
| Viscum         |                     | Lorantheæ.                   | Misseltoe.   |
| album          | 1470.               | March—May.                   | On Pyrus Aria at Bidborough;<br>and I once saw it on Hazel at<br>Groombridge. Eridge Park;<br>Buckhurst Park, and elsewhere<br>on Hawthorn, Apple Trees, &c. |
| MYRICA         |                     | Myriceæ.                     | Sweet Gale.  |
| Gale           | 562.                | May.                         | Waterdown Forest. Abundant<br>by the bridge on the road to<br>Bell's Ewe Green, and on each<br>side of the stream from thence<br>to Benhill Water Mill.      |
|                |                     | Order 4. PENTAN              | IDRIA,   |
| Humulus        |                     | Urticeæ.                     | Hop.   |
| Lupulus        | 427.                |                              | Hedges, &c., frequent.   |
|                |                     | Order 5. HEXANI              | DRIA.  |
| TAMUS          |                     | Smilaceæ.                    | Black Bryony.  |
| communis       | 91.                 | June.                        | Hedges and thickets, common.   |
|                |                     | Order 6. OCTAND              | RIA.   |
| Populus        |                     | Amentacæ.                    | Poplar.  |
| alba           | 1618.               | April.                       | Woods and plantations. Forster.  |
| * canescens    | 1619.               | March,                       | [In damp places. Forster.]   |
| tremula        | 1909.               | March, April.                | In moist woods, frequent.  |
| nigra          | . 1910.             | April.                       | [Queen's Grove, Tunbridge Wells. Forster.] This occurs here and there, but always planted.   |
|                |                     | Order 7. ENNEAN              | DRIA.  |
| MERCURIALIS    |                     | Euphorbiaceæ.                | Mercury.   |
| perennis       | 1872.               | April, May.                  | Woods, &c., very common.   |
| annua          | 559.                | August.                      | Waste places, and on rubbish, frequent.  |
| Hydrocharis    |                     | Hydrocharideæ.               | Frog Bit.  |
| Morsus Ranæ    | 808.                | July.                        | Yalding; Tudely, &c., not frequent.  |

#### DIŒCIA .- MONADELPHIA. POLYGAMIA .- MONŒCIA.

| Genera and | Tab. of Eng. | Nat. Order.   | English Name, Localities, and other remarks. |
|------------|--------------|---------------|--|
| Species.   | Botany.      | Time of Flow. |  |
| _          | _            |               | _  |

#### Order 8. MONADELPHIA.

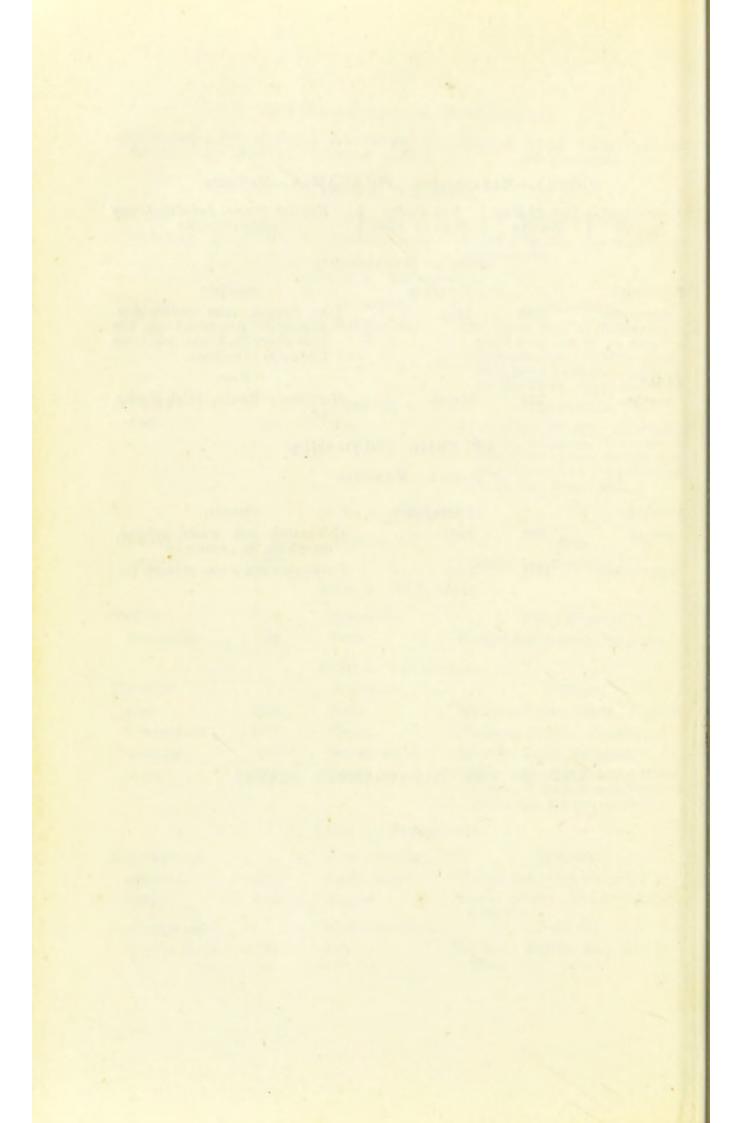
| JUNIPERUS |       | Coniferæ. | Juniper.   |
|-----------|-------|-----------|--|
| communis  | 1100. | May.      | [On heaths, not uncommon. Forster.] Abundant on the hills above St. Clare, and from thence to Wrotham. |
| Taxus     |       |           | Yew.   |
| baccata   | 740.  | March.    | Harrison's Rocks, High Rocks,  |

### CLASS XXIII. POLYGAMIA.

#### Order 1. MONŒCIA.

| ATRIPLEX     |       | Chenopodeæ. | Orache.  |  |
|--------------|-------|-------------|--|--|
| patula       | 936.  | July.       | Cultivated and waste ground, dunghills, &c., common. |  |
| angustifolia | 1774. | July.       | Cultivated and waste ground, &c.                     |  |

END OF THE PHÆNOGAMOUS PLANTS.



CRYPTOGAMIA.

#### CRYPTOGAMOUS PLANTS.

Figured round from left to right, beginning with Diphyscium, which forms the centre of the group.

Diphyscium foliosum
Pterogonium gracile
Hypnum undulatum
Pillularia globulifera
Hookeria lucens
Ceterach officinarium
Polypodium Phægopteris

Osmunda regalis
Bryum ligulatum
Equisetum sylvestre
Asplenium lanceolatum
Botrychium Lunaria
Hymenophyllum Tunbridgense

Bryum affine

Bartramia pomiformis.

The Osmunda is reduced about two thirds; the Equisetum, Polypodium, Ceterach, &c. one half; the remainder are but little reduced from their natural size.





# CRYPTOGAMIA, OR PLANTS WITH NO TRUE FLOWERS

in which stamens and pistils are visible.

#### CLASS XXIV. CRYPTOGAMIA.

Order 1. FILICES.

| Genera and   T                          | ab. of Eng.  <br>Botany. | Nat. Order.<br>Time of Mat. | English Name, Localities, and other remarks.  |
|---|--------------------------|-----------------------------|---|
| CETERACH                                |                          | Grammitideæ.                | Rough Spleenwort.   |
| officinarum<br>(Scolopendr              | 1244.<br>rium Ceterach   | June, July,<br>, E.B.)      | Rosehill, Brightling, Sussex<br>Maidstone, and elsewhere in<br>Kent.  |
| POLYPODIUM                              |                          | Polypodiaceæ.               | Polypody.   |
| vulgare                                 | 1149.                    | May.                        | On rocks, walls, trunks of trees, &c., common.  |
| Phegopteris                             | 2224.                    | June, July.                 | (Pale Mountain Polypody.) In<br>a boggy spot on the forest near<br>Kidbrook Park pales, Forest<br>Row.        |
| ASPIDIUM                                |                          | Aspidieæ.                   | Shield Fern.  |
| Thelypteris                             | 1018.                    | July, Aug.                  | Broadwater Forest, near where<br>the road crosses the stream<br>between Eridge and Groom-<br>bridge. Forster. |
| Oreopteris                              | 1019.                    | July, Aug.                  | On Rusthall Common, Broad-<br>water Forest, Eridge, Rother-<br>field, &c., not uncommon.                      |
| Filix mas                               | 1458.                    | June, July.                 | Woods and shady banks, com.   |
| spinulosum<br>(Polypodium<br>scarcely E | m With.                  | June, July.                 | In Jack's Wood; bogs at Fisher's Castle, and other moist places, in woods, &c., not uncommon.                 |
| dilatatum (1)                           | 1461.<br>nd 1460 ?       | June.                       | Hedge banks, woods, and on the sand rocks, &c., very common.  |

<sup>(1)</sup> According to Newman, this is Polystichum multiflorum Roth. Aspidium spinulosum Swartz and Willd. A. dilatatum, spinulosum and dumetorum Smith, and A. spinulosum Hooker.

Since the above has been in type, Mr. Newman has published in the 2nd. ed. of his History of Brit. Ferns. the Aspidium spinulosum of this list by the name of Lastræe spinosa; the A. dilatatum, Lastræa multiflora; the A. lobatum, Polystichum aculeatum, and the A. aculeatum, Polystichum angulare. The correctness of this, as to priority of nomenclature, I leave to abler botanists to decide—I retain at present the names by which the plants are most generally known.

# CRYPTOGAMIA.-FILICES.

| Genera and                       | Tab. of Eng.                             | Nat. Order.<br>Time of Mat. | English Name, Localities, and other remarks.  |
|----------------------------------|--|-----------------------------|---|
| recurvum Brin letter to (See Phy | ree (2)<br>Mr. Newman.<br>ytol. p. 773.) | June.                       | Eridge Rocks plentifully, and elsewhere, but not common. According to Mr. Newman, this is not A. dumetorum, Smith, "The authentic specimen of which," he observes, "is a blighted deformed plant, possessing none of the distinguishing characters of A. recurvum; and although," he adds, "Mr. Sheppard, of Liverpool, has A. recurvum growing, as he asserts from the seeds of Smith's specimen, I am inclined to think sufficient care was not exercised in the process of rearing." |
| lobatum                          | 1563.                                    | June.                       | Hungershall Rocks; road side<br>between Groombridge and Wi-<br>thyham, and elsewhere, not<br>uncommon.  |
| aculeatum                        | 1562.                                    | June, July.                 | Between Langton Green and<br>Speldhurst; Tunbridge and<br>elsewhere, but not so frequent<br>immediately in the neighbour-<br>hood of Tunbridge Wells as<br>the above.   |
| β angulare                       | 2776. Supt.                              | June, July.                 | Tunbridge, &c. This can scarce-<br>ly be distinguished as a va-<br>riety from the above, certainly<br>not as a species.   |
| ASPLENIUM                        |  | Aplenieæ.                   | Spleenwort.   |
| Filix fæmina                     | 1459,                                    | June, July.                 | In woods & moist shady places, common.  |
| β irriguum                       | 2199.                                    | June, July.                 | Moist shady and boggy places,<br>not unfrequent, scarcely a dis-<br>tinguishable variety.   |
| γ convexun<br>Bab. M             | an. Brit. Bot.                           | June—Aug.                   | In the great bog near Kidbrook Park pales, Forest Row; bogs at Fisher's Castle; Waldon on a dry bank, and elsewhere.— Perhaps a good species.   |
| Trichomanes                      | 576.                                     | June—Sept.                  | On a rock on Tunbridge Wells;<br>Common; walls about Wad-<br>hurst, Mayfied, Groombridge,<br>and other places.  |
| (0) (1) (1)                      | shows has been                           | In town I have              | avenined the enecimens in the   |

<sup>(2)</sup> Since the above has been in type, I have examined the specimens in the Smithian Herbarium, and I am quite of Mr. Newman's opinion that neither the original specimen of A. dumetorum nor the Liverpool Garden specimens can belong to Mr. Bree's plant. The name of the plant is very inappropriate, concavum would have been much better.

#### CRYPTOGAMIA.-FILICES.

|                             |         | 1110011111117               |  |
|-----------------------------|---------|-----------------------------|--|
| Genera and Tale<br>Species. | Botany. | Nat. Order.<br>Time of Mat. | English Name, Localities, and other remarks.   |
| Ruta muraria                | 150.    | June.                       | Wadhurst, Mayfield, Brenchly,<br>and elsewhere, frequent on<br>old walls.  |
| lanceolatum                 | 240.    | June.                       | On the sand rocks by the path<br>leading to the High Rocks; on<br>the High Rocks, and in Eridge<br>Park.   |
| Adiantum nigrun             | n1950.  | June.                       | Rocks, hedge banks, &c., very<br>fine between Rusthall Com-<br>mon and Langton Green.  |
| SCOLOPENDRIUM               |         |                             | Hart's Tongue.   |
| vulgare                     | 1150.   | June.                       | Shady banks, on rocks, and other places, common.   |
| BLECHNUM                    |         | Adiantariæ.                 | Hard Fern.   |
| boreale                     | 1157.   | July.                       | Forests, heaths, woods, &c., abundant.   |
| PTERIS                      |         |                             | Brake.   |
| aquilina                    | 1659.   | July.                       | Forests, heaths, &c., very com.  |
| HYMENOPHYLLUM               |         | Hymenophylleæ.              | Tunbridge Filmy Fern.  |
| Tunbridgense                | 162.    | May.                        | High Rocks, Eridge Rocks, Har-<br>rison's Rocks, &c.   |
| OSMUNDA                     |         | Osmundaceæ.                 | Flowering Fern.  |
| regalis                     | 209.    | June, July.                 | Mount Ephraim. Mr. Sharp.<br>Harrison's Rocks, Uckfield,<br>and on Ashdown Forest, not<br>common.  |
| Botrychium                  |         | Ophyoglosseæ.               | Moonwort.  |
| Lunaria                     | 318.    | May, June.                  | Hill Park, nearWesterham. Mr. R. Scott. Crowborough Warren. Forster. In a field near Crowborough Gate. Mr. Turner. On the forest left of the road between Fisher's Gate and the high part of the forest towards Maresfield; on the open part of the forest between Crowborough Warren and the New Church; and between Colman's Hatch and Forest Row; on Burwash Common, and in a field on Dudland's Farm, Mayfield.  Adder's Tongue. |
| vulgatum                    | 108.    | June.                       | Between Ramslye Rocks and<br>Broadwater Forest, and else-<br>where in meadows and pas-<br>tures, frequent.   |

# CRYPTOGAMIA. FILICES.

| Genera and   Tal                    | b. of Eng.        | Nat Orden                   |  |
|-------------------------------------|-------------------|-----------------------------|--|
|                                     | Botany.           | Nat. Order.<br>Time of Mat. | English Name, Localities, and other remarks,   |
| PILULARIA                           |                   | Marsileaceæ.                | Pill Wort.   |
| globulifera                         | 521.              | June.                       |  |
| general Color                       |                   | , and                       | In a bog at Quarry Brook, on<br>the right of the road from<br>Hartfield to Forest Row, abun-<br>dant, and at Piltdown.   |
| LYCOPODIUM                          |                   | Lycopodiaceæ.               | Club Moss.   |
| clavatum                            | 224.              | July.                       | Here and there on the forests, frequent.   |
| inundatum                           | 239.              | June, July.                 | Broadwater Forest; in the bog  |
|                                     | Aug.              |                             | at Fisher's Castle, and else-<br>where on the forests.   |
| Selago                              | 233.              | June.                       | On the forest on the left of the<br>road from Tunbridge Wells to<br>Frant; Waldron; on the forest<br>near Wych Cross, &c.  |
| EQUISETUM                           |                   | Equisetaceæ.                | Horse Tail.  |
| (Telmateia Ehr.<br>fluviatile, E B. | 2022.<br>& Hook.) | April.                      | Wet places at Wadhurst, May-<br>field, Withyham, &c., not un-<br>common.   |
| arvense                             | 2020.             | April.                      | Corn fields, road sides, &c., frequent.  |
| sylvaticum                          | 1874.             | April, May.                 | In the Folly behind the Sussex Hotel, abundant; in a bog near the Church at Pembury; and it was shewn to me by Mr. Sharp in that part of Colebrook Park called the Scrubs. |
| fluviatile, Linn.<br>(limosum, E.B  |                   | June, June.                 | In the Folly behind the Sussex<br>Hotel, and in ponds, ditches,<br>and watery places, common.  |
| palustre                            | 2021.             | June, July.                 | Boggy and other wet places, frequent.  |

Note. Having taken Hooker's British Flora for the basis of my list of Flowering Plants, I have thought it best to follow it in the generic names of the Ferns also; not pretending in doing so to pass judgment on the changes adopted, from foreign writers, by Newman and Babington in their respective works.

## CRYPTOGAMIA .- Musct.

|                         | ab. of Eng.  <br>Botany, &c. | Nat. Order.<br>Time of Mat. | English Name, Localities, and other remarks.  |  |
|-------------------------|------------------------------|-----------------------------|---|--|
| _                       | -                            | Order 2. Musc               | ı.  |  |
|                         |                              | Tribe 1. Acroca             | rpi.  |  |
|                         |                              | Subtribe 1. Asto            | mi.   |  |
| ANDRÆA                  |                              |                             | Andræa. [On the High Rocks. Forster.]   |  |
| * rupestris             | 1277.<br>M. Br. † 8.         | Spring.                     | London  |  |
| PHASCUM                 | Data Data of                 |                             | Earth Moss.   |  |
| serratum                | 460.<br>M. Br. 5.            | Spr. & Aut.                 | Tunbridge Wells Common, and elsewhere, not uncommon.  |  |
| crispum                 | 1680.<br>M. Br. 5.           | March.                      | Morant's Court Hill; Wester-<br>ham, &c., frequent on the<br>chalk.   |  |
| subulatum               | 2177.<br>M. Br. 5.           | March.                      | Fields, dry banks, and other places, common.  |  |
| axillare                | 1036.<br>M. Br. 5.           | Spr. & Aut.                 | Neville Park Farm; Maresfield,<br>&c. frequent on clay where<br>water has been stagnant du-<br>ring winter, or round the edge<br>of ponds, particularly in the<br>Autumn. |  |
| patens                  | 1279.<br>M. Br. 5.           | Autumn.                     | In some clay pits about # mile from Edenbridge railroad station, by the road side towards Westerham.  |  |
| muticum                 | 2027.<br>M. Br. 5.           | Spring.                     | On banks by the road side be-<br>tween Tunbridge Wells and<br>Eridge, and between Frant<br>and Mark Cross, &c.  |  |
| cuspidatum              | 2025.<br>M. Br. 5.           | Winter & Spr.               | Fields and moist banks, very common.  |  |
| rectum                  | 330.<br>M. Br. 5.            | Winter & Spr.               | Morant's Court Hill, and else-<br>where on the chalk, frequent.   |  |
| curvicollum             | 905.<br>M. Br. 5.            | Spring.                     | On the Hill above Westerham;<br>Morant's Court Hill, &c.  |  |
| Subtribe 2. Gymnostomi. |                              |                             |   |  |
| SPHAGNUM                | 1) 1405                      | Tuna Aug                    | Bog Moss.   |  |
| obtusifolium (          | M. Br. 4.                    | June—Aug.                   | Bogs and wet places on the forests, &c., common.  |  |
| squarrosum              | 1498.<br>M. Br. 4.           | June—Aug.                   | Bog in Jack's Wood, and else-<br>where, not rare.   |  |
| acutifolium (2)         | 1406.<br>M. Br. 4.           | June—Aug.                   | Bogs and wet places on the forests, &c., abundant.  |  |
| * cuspidatum            | 2092.<br>M. Br. 4.           | Spring.                     | [On watery mountainous places. Forster.]  |  |

<sup>+</sup> Muscologia Britannica, by Sir W. J. Hooker and F. Taylor, M. D. &c. (1) S. latifolium, E. B. (2) S. capillifolium, E.B.

#### CRYPTOGAMIA.-MUSCI

| CRIFIOGAMIA.—MUSCI.            |                               |                             |   |  |
|--------------------------------|-------------------------------|-----------------------------|---|--|
| Genera and   T<br>Species.   H | Rab. of Eng.  <br>Botany, &c. | Nat. Order.<br>Time of Mat. | English Name, Localities, and other remarks.  |  |
| GWMNOSTOMUM                    |                               |                             | Beardless Moss.   |  |
| viridissimum                   | 1583.<br>M. Br. 6.            | Spring.                     | On trees, common; with fruit,<br>which is rare, on a tree at Hun-<br>gershall Rocks, 1842.  |  |
| * ovatum                       | 1889.<br>M. Br. 7.            | Win. & Spr.                 | [On walls and banks, not un-<br>common. Forster.]   |  |
| truncatum (1)                  | 1975.<br>M. Br. 7.            | Winter.                     | Banks, cultivated fields, &c., very common.   |  |
| βintermedium                   | (2) 1976.<br>M. Br. 7.        | Winter.                     | On the bank by the road side at Southfield Park, & elsewhere.   |  |
| *Heimii (3)                    | 1951.<br>M. Br. 7.            | Spring.                     | [On banks, not uncommon. Forster.]  |  |
| conicum                        | 2676.<br>M. Br. 7.            | February.                   | Fallow fields at Withyham; in the fields between Rusthall Common and the road to the High Rocks; on the bank at Southfield, and elsewhere; common on the chalk. |  |
| fasciculare                    | 1245.<br>M. Br. 7.            | Spring.                     | Broadwater Forest.  |  |
| pyriforme                      | 413.<br>M. Br. 7.             | Spring.                     | Banks of ditches, and other wet : places, common.   |  |
| ANICTANGIUM                    |                               |                             | Branched Beardless Moss.  |  |
| eiliatum                       | 1179.<br>M. Br. 6.            | March.                      | On the tiles of an old hovel at Ticehurst, abundant, and in a similar situation at Herring's Farm, Mayfield.  |  |
|                                |                               | Subtribe 3. Perist          | omi.  |  |
| Division 1. Aploperistomi.     |                               |                             |   |  |
| DIPHYSCIUM                     |                               |                             | Diphyscium.   |  |
| foliosum (4)                   | 329.<br>M. Br. 8.             | July, Aug.                  | On sand rocks at Eridge. It for-<br>merly grew on a sand rock in<br>the field at the lower part of  |  |
| MILES YES                      |                               |                             | Harrison's Rocks, but is now lost there.  |  |
| TETRAPHIS                      | 1000                          | g .                         | Tetraphis.  |  |
| 20 (0.11) (0.12) (0.12)        | 1 (31)/(1                     | Dr. 10. 10.1 10.00          | film the sensed weekly weakly about   |  |

Spring.

On the sand rocks, very abun-

Eridge Rocks, discovered by Wm. Borrer, Esq. in 1825. I saw it growing in the same spot in 1837.

dant.

pellucida

Browniana

1020. M. Br. 8.

1422. bad. Spring. M. Br. 8.

<sup>(1)</sup> G. truncatulum, E.B. (2) G. intermedium, E.B. (3) Also G. obtusum, E.B. 1407. (4) Burbaumia foliosa, E.B.

### CRYPTOGAMIA. Musci.

| Genera and   T             | Tab. of Eng.  <br>Botany, &c. | Nat. Order.<br>Time of Mat. | English Name, Localities, and other remarks.   |
|----------------------------|-------------------------------|-----------------------------|--|
| SPLACHNUM                  | -                             | _                           | Splachnum.   |
| ampullaceum                | (1) 144.<br>M. Br. 9.         | Summer.                     | On the bog in the way to Groombridge from the High Rocks, where the Aspidium Thelypteris grows. Forster. (This habitat is now lost from draining, &c.) On the high part of Ashdown Forest, not far from Wych Cross, in abundance in 1839. J. Woods, Esq.; and on the great bog near Forest Row where the P. Phegopteris grows. |
| ENCALYPTA                  |                               |                             | Extinguisher Moss.   |
| streptocarpa               | 2163.<br>M. Br. t. 13,        | July.                       | Morant's Court Hill, and else-<br>where on the chalk, generally<br>under trees, and always with-<br>out fruit.   |
| * vulgaris (2) Weissia (3) | 558.<br>M. Br. 13.            | March.                      | [In fissures of rocks, common. Forster.]  Weissia.   |
| Starkeana                  | 1490.<br>M. Br. 14.           | February.                   | On the bank near the upper gate<br>of the enclosure of the Calver-<br>ley Estate, on the Pembury<br>road, February, 1842.  |
| cirrata (4)                | 1420.<br>M. Br. 15.           | Spring.                     | On posts and rails, trees, &c. common.   |
| curvirostra                | 1438.<br>M. Br. 14.           | Sept.—Mar.                  | Morant's Court Hill, and else-<br>where on the chalk, abundant.  |
| crispula                   | 2203.<br>M. Br. 15,           | May.                        | Harrison's Rocks. Wm. Bor-<br>rer, Esq., 1810.   |
| controversa (              | 5) 1367.<br>M. Br. 15.        | Spring.                     | Banks, frequent.   |
| calcarea                   | 191.<br>M. Br. 15.            | May.                        | On the hill above Westerham;<br>Morant's Court Hill, and else-<br>where on the chalk.  |
| pusilla                    | 2551.<br>M. Br. 15.           | May-Aug.                    | Morant's Court Hill, Aug., 1842.   |
| GRIMMIA                    |                               |                             | Grimmia.   |
| apocarpa                   | 1134.<br>M. Br. 13.           | Spring.                     | On the sand rocks, walls, &c., common.   |
| pulvinata                  | 1728.<br>M. Br. 13.           | Spring.                     | Sand rocks, walls, &c., common.  |

<sup>(1) (</sup>Also, S. Turnerianum, E.B. 1116, according to Hooker.) (2) Bryum extinctorium, E.B. (3) GRIMMIA, E.B. (4) Also, Grimmia Dicksoni, E.B. 142. (5) Grimmia recurvirostra, E.B.

#### CRYPTOGAMIA .- MUSCI.

| Conses and I M I am                                  |                             |   |
|--|-----------------------------|---|
| Genera and   Tab. of Eng.  <br>Species   Botany, &c. | Nat. Order.<br>Time of Mat. | English Name, Localities, and other remarks.  |
| trichophylla<br>M. Br. Supt. S                       | Dec.—Mar.                   | On Rusthall Common with fruit, in 1842—3; on the rocks between Uckfield and Maresfield, and other exposed sand rocks without fruit. |
| DIDYMODON  |                             | Didymodon.  |
| purpureus (1) 2262.<br>M. Br. 20.                    | Spring.                     | On banks, walls, thatch, and elsewhere, very common.  |
| heteromallus (2) 1899.<br>M. Br. 20.                 | Summer.                     | In the Five Hundred AcreWood,<br>Buckhurst Park, abundant,<br>1837; Crowborough Warren,<br>&c., rare.                               |
| • pusillus 2383.<br>(Trichostomum, Forst.)           | Spring.                     | [In sandy places. Forster.]   |
| TRICHOSTOMUM   |                             | Fringe Moss.  |
| • lanuginosum 1348.<br>M. Br. 19.                    |                             | [On dry woods, rocks, and sandy mountainous places. Forster.]   |
| canescens (3) 2534.<br>M. Br. 19.                    | December.                   | Rusthall Common without fruit;<br>at Westerham with fruit in<br>abundance in 1842.  |
| heterostichum 1347.<br>M, Br. 19.                    | Spring.                     | High Rocks. Wm. Borrer, Esq. and at Harrison's Rocks, always without fruit.   |
| aciculare 1978.<br>M. Br. 19.                        | Spring.                     | On the sand rocks at Ramslye, and on Rusthall Common, abundant.   |
| DICRANUM   |                             | Fork Moss.  |
| bryoides 625 & 1368.<br>M. Br. 16.                   | Winter.                     | On sand rocks, banks, &c., com-<br>mon.   |
| adiantoides (4) 264.<br>M. Br. 16.                   | Spring.                     | On banks, in bogs, and other moist places; also on the chalk. A very large variety of this species grows on the High Rocks.         |
| taxifolium 426.                                      | Winter & Spr.               | Moist banks, &c., frequent.   |
| M. Br. 16.   |                             |   |

<sup>(1)</sup> Dicranum purpureum, E.B. (Also, D. strictum, E.B. 2294, D. bipartitum, E.B. 2357, and D. Celsii, E.B. 2418, according to Hooker.) (2) Grimmia heteromalla, E.B. (Also, G. homomalla, E.B. 1900, according to Hooker.) (3) And T. ericoides, E.B. 1991.

<sup>(4)</sup> Dicranum adiantoides and taxifolium have their seta lateral, (Pleurocarpi) and with D. bryoides form a natural group, distinguished as a genus by Hedwig and others, under the name of Fissidens.

### [CRYPTOGAMIA.-Musci.

| Genera and   Tab. of Eng.   Nat. Order.   English Name, Locatiles, & Species.   Botany, &c.   Time of Mat.   English Name, Locatiles, & other remarks.         | nd       |
|--|----------|
| glaucum 2166. Spring. On the sand rocks, and on to forests, common, always with out fruit.   | he<br>h- |
| cerviculatum (1) 1661. March—June. Forest Row; bogs at Fishe Castle, and in a wet spot about a mile from Wadhurst, on the Frant road, and elsewhere, recommon. | ut<br>he |
| flexuosum 1491. Winter. On rocks; in bogs, and on t forests, &c., frequent.  | he       |
| pellucidum 1346. November. On stones in streams and casional water-courses, frequent.  |          |
| spurium 2167. November. Waterdown and Broadway Forest, without fruit.  | er       |
| Scottianum 1391. September. High Rocks; Eridge Rocks, a elsewhere on the sand rock not common.   |          |
| Dillenii (2) 354. August. On the sand rocks, forests, & common.  | c.,      |
| scoparium (3) 1409. August. Eridge Rocks; High Rocks, a elsewhere on the sand rock   |          |
| fuscescens (4) 1597. August. High Rocks. M. Br. 18.  |          |
| varium (5) 1215, Winter. Moist banks, cultivated fields, a M. Br. 17.  | &c       |
| heteromallum 2508. Oct. Nov. On the sand rocks; on bank and elsewhere, common.   | s,       |
| TORTULA Screw Moss.  |          |
| rigida  180. & Winter.  2759. Supt.  M. Br. 12.  On the bank by the road side Southfield Park; betwee Southborough and Tunbridg &c., not common.               | en       |
| convoluta 2382. Spring. Tunbridge Wells Common, a other places, frequent.  | nd       |
| revoluta 2383. Spring. On Tunbridge Wells Commo and on walls, &c.  | n,       |
| muralis 2033. April. Rocks on Tunbridge Wells Common; on walls and elsewher common.  |          |
| ruralis 2070. April. Thatched roofs, on walls, trees, and on the ground, common.   |          |
| ß lævipila April. On trunks of trees at Sout<br>borough, Tunbridge, &c.  | h-       |

<sup>(1)</sup> Also, D. pusillum, E.B. 2491, and D. uncinatum, E.B. 2261, according to Hooker. (2) D. scoparium, Hooker and E.B. (3) D. majus, E.B. D. scoparium α majus, Hooker. (4) D. scoparium β Hooker. (5) And D. rigidulum, E.B. 1439,

#### CRYPTOGAMIA .- Musci.

|                | Tab. of Eng.  <br>Botany, &c. | Nat. Order.  <br>Time of Mat. | English Name, Localities, and other remarks.  |
|----------------|-------------------------------|-------------------------------|---|
| latifolia (1)  |                               | April.                        | On trees, within the reach of floods at Tunbridge.  |
| subulata       | 1101.<br>M. r. 12.            | Winter.                       | Sandy hedge banks, and other places, abundant.  |
| unguiculata (2 | 1299.<br>M. Br. 12.           | Winter.                       | Banks; fallow fields, and other places, very common.  |
| * cuneifolia   | 1510.<br>M. Br. 12.           | February.                     | [On sandy banks and elsewhere, Forster.]  |
| fallax (3)     | 2179.<br>M. Br. 12.           | June, July.                   | Rocks, banks, fields, &c., very common.   |
| CINCLIDOTUS    |                               |                               | Lattice Moss.   |
| * fontinaloide | s (4) 557.<br>M. Br. 11.      | April.                        | [In rivers, not very common. Forster.]  |
| POLYTRICHUM    |                               |                               | Hair Moss.  |
| undulatum      | 1220.<br>M, Br. 10.           | Winter.                       | Moist shady banks in woods, &c. very common. Mr. Borrer found some very remarkable branched specimens of this under water in the Jack's Wood reservoir. |
| piliferum      | 1199.<br>M. Br. 10.           | Spring.                       | On Tunbridge Wells Common, and elsewhere on heathy places, &c., frequent.   |
| juniperinum    | (5) 1200.<br>M. Br. 10.       | Spring.                       | Tunbridge Wells Common, and elsewhere on heaths and on the forests, common.   |
| commune        | 1197.<br>M. Br. 10.           | Juue.                         | In boggy as well as dry situa<br>tions; on the forests, heaths,<br>shady hedge banks, and else-<br>where, very common.                                  |
| urnigerum      | 1218.<br>M. Br. 11.           | November.                     | By the sides of the large reservoir near Jack's Wood Spring;<br>by a gravel pit between Frantt and Mark Cross, & at Buxted.                             |
| aloides (6)    | 1649.<br>M. Br. 11.           | Winter.                       | On moist banks and other places, common.  |
| β Dicksoni     | (7) 1605.                     | December.                     | Clayey places, &c.  |
| nanum (8)      | 1625.<br>M. Br. 11.           | December.                     | Moist sandy banks, &c., frequent  |

<sup>(1)</sup> Barbula latifolia, Bruch and Schimper, Bryol. Eur., Trichostomeæ, t. 25.

<sup>(2)</sup> T. mucronulata, E.B. Also, according to Hooker, T. aristata, E.B. 2393; T. barbata, E.B. 2391; T. humilis, E.B. 1663; T. apiculata, E.B. 2494; T. ericetorum, E.B. 2495. (3) Also, T. unguiculata, E.B. 2316, and T. imberbis, E.B. 2392, according to Hooker. (4) Fontinalis minor, E.B. (5) And P. strictum, E.B. 2435. (6) And P. rubellum, E.B. 1939. (7) P. Dicksoni, E.B. (8) And P. subrotundum, E.B. 1624.

#### CRYPTOGAMIA .- Musci.

| Genera and   Tab. of Eng.  <br>Species   Botany, &c. | Nat. Order.<br>Time of Mat. | English Name, Localities, and other remarks.  |
|--|-----------------------------|---|
| FUNARIA  | -                           | Funaria.  |
| hygrometrica 342.<br>(BryumE.B.) M. Br. 20.          | May.                        | On the ground, on walls, and elsewhere, very common.  |
| ORTHOTRICHUM   |                             | Bristle Moss.   |
| cupulatum (1) 1423.<br>M. Br. 21.                    | April,                      | On tiles of a shed by a chalk pit<br>between Shoreham, Kent, and<br>Morant's Court Hill.                                  |
| anomalum 2696.Supt<br>M. Br. 21.                     | t. April.                   | On the tiles of a shed between<br>Shoreham and Morant's Court<br>Hill, with O. cupulatum, and<br>at Riverhead, Sevenoaks. |
| affine 1323.<br>M. Br. 21.                           | August.                     | On trunks of trees, old pales,<br>&c., common.  |
| β pumilum 2168.<br>M. Br. 21.                        | August.                     | Wadhurst, on gooseberry trees,<br>and elsewhere, frequent.  |
| diaphanum 1324.<br>M. Br. 21,                        | February.                   | On trees, old pales, &c., frequent.   |
| striatum 2187.<br>M. Br. 21                          | June.                       | On the trunks of trees, frequent.   |
| Lyellii 2834.Sup<br>M. Br. 22.                       | t. July, Aug.               | On trunks of trees, &c., quite as common as O. striatum.  |
| crispum 996.<br>M. Br. 21.                           | August.                     | On trunks of trees, &c., very common.   |
| BRYUM  |                             | Thread Moss.  |
| androgynum 1238.<br>(Mnium E.B)M. Br. 28.            |                             | On sand rocks on Tunbridge<br>Wells Common, and elsewhere<br>on banks, &c., common, al-<br>ways without fruit.            |
| palustre 391.<br>M. Br. 28.                          | June.                       | Boggy places, very common.  |
| carneum 360.<br>M. Br. 29.                           | April.                      | Wet banks, &c., frequent  |
| argenteum 1602. (ba<br>M. Br. 29.                    | d) March.                   | On the ground, and on walls and roofs, frequent.  |
| pyriforme 389.<br>(aureum E.B)M. Br. 28.             | June.                       | On the sand rocks on Tunbridge<br>Wells Common, and other<br>places, not common.  |
| gracile 2835.Sup                                     | ot. March.                  | Eridge Rocks, with young fruit,<br>December, 1843. Mr. Borrer.  |
| capillare (3) 2007.<br>M. Br. 29.                    | May.                        | Rocks, walls, heaths, thatched roofs, &c., common.  |
| annotinum 1862.<br>left hand fig. & Su               | pt. 2856.                   | In cultivated fields, not uncom-<br>mon, without fruit.   |
|  | 1000                        |   |

<sup>(1)</sup> O. anomalum, E.B. (2) O. pumilum, E.B. (3) And B. stellare, E.B. 2434.

# CRYPTOGAMIA.-Musci.

| Genera and   T        | Botany, &c.          | Nat. Order.<br>Time of Mat. | English Name, Localities, and other remarks.  |
|-----------------------|----------------------|-----------------------------|---|
| cœspiticium           | 1904.<br>M. Br. 29.  | May.                        | Rocks, walls, banks, &c., frequent.   |
| β minus (1)           | 1601 ?<br>M. Br. 29. | May,                        | Walls, &c., frequent.   |
| nutans                | 1240.<br>M. Br. 29.  | May.                        | Broadwater Forest. Mr. Borrer.  |
| ventricosum           | 2272.<br>M. Br. 30.  | July.                       | Boggy places on TunbridgeWells<br>Common and elsewhere, fre-<br>quent.  |
| roseum                | 2395.<br>M. Br. 29.  | November.                   | On sandy banks, heaths, &c., frequent, always without fruit.  |
| ligulatum             | 1449.<br>M. Br. 30.  | April.                      | Hungershall Rocks; Hurstwood;<br>Buckhurst Park, and at East-<br>grinstead, with fruit which is<br>rare; it is common without<br>fruit.   |
| punctatum             | 1183.<br>M. Br. 30.  | April.                      | By the sides of streams, in oc-<br>casional water courses, and at<br>the foot of damp rocks, &c.,<br>frequent.  |
| rostratum             | 1475.<br>M. Br. 30.  | May.                        | Moist shady places, common. With fruit, which is rare, on the banks of the river which parts the Counties of Sussex and Kent between Sandhurst and Bodiam.  |
| hornum                | 2271.<br>M. Br. 31.  | April.                      | Sandy banks; on rocks, and in woods, very common.   |
| cuspidatum            | 1474.<br>M. Br. 31.  | April.                      | In the Wilderness at St. Clare,<br>near Ightham.  |
| affine                | 2739. Supt           | April, May.                 | HighRocks; Boar's Head Rocks; Sandling, near Maidstone; and with fruit in a copse near a sand pit on Peneden Heath. This plant is not rare, but likely to be overlooked for B. rostratum in the barren state: the fruit is very rare. |
| BARTRAMIA             |                      |                             | Apple Moss.   |
| pomiformis            | 998.<br>M. Br. 23.   | April, May.                 | Sandy banks, and elsewhere, frequent.   |
| fontana<br>(Bryum E.B | 390.<br>3.) M.Br.23. | July.                       | Wet places, common.   |

#### CRYPTOGAMIA. Musci.

Genera and | Tab. of Eng. | Nat. Order. | Species. | Botany, &c. | Time of Mat. | English Name, Localities, and other remarks.

Tribe 2. Pleurocarpi.

Subtribe 1. Gymnostomi.

(Hadwigie : not found in this district )

|                            | (Hedwi   | gia; not found | l in this district.)  |
|----------------------------|--|----------------|---|
|                            | The state of the s | Subtribe 2. I  | Peristomi.  |
| Division 1. Aploperistomi. |  |                |   |
| PTEROGONIUM                |  |                | Pterogonium.  |
| gracile                    | 1085.<br>M. Br. 14.  | Winter.        | Ramslye Rocks; Uckfield, &c.<br>With fruit in abundance at<br>Ramslye, in 1839.   |
| LEUCODON                   |  |                | Squirrel Tail Moss.   |
| sciuroides (1)             | 1903.<br>M. Br. 20.  |                | On trunks of trees, &c., common, always without fruit.  |
| NECKERA                    |  |                | Neckera.  |
| pumila                     | 1443.<br>M. Br. 22,  | Summer.        | On trunks of trees. I have gathered it with fruit (which is not common) in Buckhurst Park, on trees near the house, and on trees in the plantations on the right of the road from TunbridgeWells to Frant, and at Eridge. |
| crispa (2)                 | 617.<br>M. Br. 22.   | Winter.        | Morant's Court Hill, and else-<br>where on the chalk, without<br>fruit, frequent.   |
| ANOMODON                   |  |                | Anomodon.   |
| curtipendulum              | (3) 1444.<br>M. Br. 22.  |                | On trees in Eridge Park, and on<br>bushes on Ashdown Forest,<br>near Wood's Nursery, &c., al-<br>ways without fruit.  |
| viticulosum (4)            | 265.<br>M. Br. 22.   | February.      | Southfield Park, near Tunbridge Wells; Plaxtol; Morant's Court Hill, and elsewhere, on the chalk, abundant, fruit rare. Mr. R. Scott gathered it very fine at Hill Park, near Westerham, in 1842.                         |
| DALTONIA                   |  |                | Daltonia.   |

FONTINALIS

antipyretica

heteromalla (5) 1180. April. M. Br. 22.

359. June. M. Br. 22.

On trees at Wadhurst, and elsewhere, not common.

Water Moss.

In ponds, rivers, ditches, &c., frequent.

<sup>(1)</sup> Pterogonium, E.B. E.B. (5) Neckera, E.B. (2) Hypnum, E.B. (3) Neckera, E.B. (4) Hypnum,

# CRYPTOGAMIA.-Musci.

| Genera and     | Tab. of Eng.           | Nat. Order.  | English Name, Localities, and  |
|----------------|------------------------|--------------|--|
| Species.       | Botany, &c.            | Time of Mat. | other remarks.   |
| HOOKERIA       |                        |              | Hookeria.  |
| lucens         | 1902.<br>M. Br. 27.    | Nov. Dec.    | Eridge Park; High Rocks; Hun-<br>gershall Rocks; in a copse<br>Penn's Rocks, &c.   |
| HYPNUM         |                        |              | Feather Moss.  |
| trichomanoid   | es 1493.<br>M. Br. 24. | March.       | On the lower part of the trunks of trees, and on exposed roots, &c., particularly in ravines and water courses.                            |
| complanatum    | 1492.<br>M. B. 24.     | Spring.      | Trunks of trees, &c., very com   |
| riparium       | 2060.<br>M. Br. 24.    | April.       | Ponds, rivers, ditches, &c., generally on decaying timber and on roots or branches of trees partially in water.                            |
| undulatum      | 1181.<br>M. Br. 24.    | April.       | Eridge Rocks; Knole Park,<br>Sevenoaks; Harrison's Rocks,<br>&c.   |
| denticulatum   | 1260.<br>M. Br. 24.    | May.         | On sandy banks, &c., frequent.   |
| β obtusifoliun | M. Br. 24.             |              | On banks, rocks, &c., not com-   |
| medium (1)     | 1274.<br>M. Br. 24.    | April.       | Tunbridge and elsewhere one trunks of trees, near the grounded by the side of rivers, particularly where the water occasionally overflows. |
| tenellum       | 1859.<br>M. Br. 24.    | Winter.      | Westerham; Morant's Court<br>Hill, &c. frequent on the chalk   |
| serpens        | 1037.<br>M. Br. 24.    | May.         | On trees, banks, pales, decayings<br>wood, &c., very common.   |
| populeum (2)   | 1584.<br>M. Br. 24.    | November.    | Uckfield Rocks. Mr. Borrers. On stones on the hill above Westerham, &c.  |
| stramineum     | 2405.<br>M. Br. 24.    |              | Bogs at Fisher's Castle, and one<br>Ashdown Forest, without fruit  |
| murale (3)     | 1038.<br>M. Br. 24.    | Oct., Nov.   | On walls, &c., particularly one bricks near the ground exposed to the drip from housess, &c.   |
| purum          | 1599.<br>M. Br. 24.    | November.    | On the sand rocks, in woods, and other places, abundant.   |

<sup>(1)</sup> And H. inundatum, E.B. 1922 (2) H. implexum, E.B. (3) H. confertum, E.B.

#### CRYPTOGAMIA .- Musci.

|                | ab. of Eng.            | Nat. Order.<br>Time of Mat. | English Name, Localities, and other remarks.  |
|----------------|------------------------|-----------------------------|---|
| piliferum      | 1516.<br>M. Br. 25.    | November.                   | Hungershall Rocks; in woods<br>and on hedge banks, &c.,<br>common, fruit very rare.   |
| Schreberi      | 1621.<br>M. Br. 24.    | October.                    | In fruit on the High Rocks. It is very common without fruit on sand rocks, among heath, and on the forests, &c.                                       |
| catenulatum ri | 2297.<br>ght hand fig. |                             | Harrison's Rocks; High Rocks,<br>&c., always without fruit.   |
| * plumosum     | 2071.<br>M. Br. 25.    | October.                    | [On stones, roots of trees, and on walls. Forster.]   |
| sericeum       | 1445.<br>M. Br. 25.    | November.                   | On rocks, walls, roofs, trunks of trees, &c., common.   |
| lutescens      | 1301.<br>M. Br. 25.    | Spring.                     | On the bank at Southfield Park,<br>by the road side from Tun-<br>bridgeWells to Southborough;<br>on the chalk, very abundant.                         |
| albicans       | 1300.<br>M. Br, 25.    | November.                   | Tunbridge Wells, and elsewhere<br>on the ground in sandy places,<br>common, fruit unfrequent.   |
| alopecurum     | 1182.<br>M. Br. 25.    | October.                    | In woods, &c., particularly on<br>the sides of the banks of deep<br>water courses, &c.  |
| * dendroides   | 1565.<br>M. Br. 25.    | November.                   | [On the High Rocks. Forster.]   |
| curvatum       | 1566.<br>M. Br. 25.    | November.                   | On trees, rocks, &c., common.   |
| myosuroides    | 1567.<br>M. Br. 25.    | Autumn.                     | On the sand rocks, in abundance.  |
| splendens      | 1424.<br>M. Br. 25.    | April.                      | On the sand rocks, in heathy places, and on the forests, common.  |
| proliferum (1) | 1494.<br>M. Br. 25.    | April.                      | On the sand rocks, in woods, and on banks, &c., abundant.   |
| prælongum (2)  | 2035.<br>M. Br. 25.    | November.                   | On the ground under the shade<br>of trees; on banks, and else-<br>where, very common.   |
| flagellare (3) | 2565.<br>M. Br. 25.    | January.                    | By the side of a water course<br>about a mile from Wadhurst<br>on the road towards Frant,<br>and with fruit in Pressridge<br>Warren, near Wych Cross. |

<sup>(1)</sup> And H. recognitum, E.B. 1495. (2) And H. Stokesii, E.B. 2036. (3) H. um-bratum, E.B.

# CRYPTOGAMIA .- Musci.

| Genera and   T                                  | ab. of Eng.              | Nat Ondan   |   |
|---|--------------------------|---|---|
|   | Botany, &c.              | Nat. Order.<br>Time of Mat.   | English Name, Localities, and other remarks.  |
| abietinum                                       | 2637. bar.<br>M. Br. 25. | specimen.   | Morant's Court Hill, abundant, always without fruit.  |
| Blandovii                                       | 2760. Supt<br>M. Br. 25. |   | This is said by <i>Hooker</i> to have been found "on the rocks at Tunbridge" by <i>Mr.Jos.Woods</i> . Diligent and repeated search has been made for it without success.  |
| illecebrum (1)                                  | M.Br. Supt. 5            | November.   | By the road from Groombridge<br>to Maresfield, under Buckhurst<br>Park pales, near where the<br>road branches to Withyham<br>and Penn's Rocks, with fruit;<br>near Sevenoaks, and other<br>places, abundant, without fruit. |
| Rutabulum (2)                                   | 1647.<br>M. Br. 26.      | November.   | On trees, hedge banks, &c., very common.  |
| velutinum (3)                                   | 1568.<br>M. Br. 26.      | March.  | Hedge banks, &c., common.   |
| ruscifolium                                     | 1275.<br>M. Br. 26.      | October.  | On stones in water courses, &c., particularly abundant about water mills, water falls, and other similar places,  |
| striatum  | 1648.<br>M. Br. 26.      | November.   | Woods, shady banks, &c., very common.   |
| confertum (4)                                   | 2407.<br>M. Br. 26.      | November.   | On the brick lining of an old well<br>on the Frant road, and other<br>places, not common.   |
| cuspidatum                                      | 1425.<br>M, Br. 26.      | November.   | Boggy and wet places, very abundant.  |
| cordifolium                                     | 1447.<br>M. Br. 26.      | March.  | In a boggy spot between Eridge<br>and Harrison's Rocks, and<br>elsewhere, not uncommon,<br>fruit rare.  |
| stellatum                                       | 1302.<br>M. Br. 26.      | May.  | Boggy places on Tunbridge Wells Common, &c.   |
| @ minus<br>(not H. squarrulosum, E.B. & Hook.?) |                          | Between Boar's Head and Crow-<br>borough; Mayfield, &c. fre-<br>quent on the chalk. |   |
| loreum  | 2072.<br>M. Br. 26.      | December.   | Eridge Rocks, and other places,<br>particularly in Knole Park,<br>bearing fruit abundantly.   |
| triquetrum                                      | 1622.<br>M. Br. 26.      | December.   | On rocks, and in woods, &c., common.  |
| brevirostre                                     | 2865. Supt<br>M. Br. 5.  | . December  | Hungershall Rocks, with fruit;<br>between Langton Green and<br>Speldhurst, and elsewhere,<br>without fruit.   |

<sup>(1) (</sup>H. blandum, Hook. and E.B. Supt.) (2) H. brevirostre, E.B. (3) And H. intricatum, E.B. 2421. (4) And H. serrulatum, E.B. 1262.

## CRYPTOGAMIA.-Musci.

|                         | ab. of Eng.  <br>Sotany, &c.                       | Nat. Order.<br>Time of Mat. | English Name, Localities, and other remarks.   |
|-------------------------|--|-----------------------------|--|
| squarrosum              | 1953.<br>M. Br. 26.                                | November.                   | Heaths, woods, and among grass, common.  |
| filicinum               | 1570.<br>M. Br. 26.                                | April.                      | Wet places, by the sides of water courses, &c., common, the fruit very rare.   |
| * palustre              | 1665.<br>M. Br. 26.                                | April.                      | [In watery places, and on rotten wood in water. Forster.]  |
| fluitans                | 1448.<br>M. Br. 24.                                | December.                   | Rusthall Common; Lower Green<br>and elsewhere, not uncom-<br>mon, fruit rare.  |
| aduncum                 | 2073.<br>M. Br. 26.                                | May.                        | Boggy places on the forests, &c., very common.   |
| β rugosum<br>(H. rugosu | 2250.<br>im, E. B.)                                | May.                        | Tunbridge Wells Common, and in boggy places on the forests, &c.  |
| * scorpioides           | 1039.<br>M. Br. 27.                                | March.                      | [On turfy bogs, Forster.]  |
| cupressiforme           | 1860.<br>M. Br. 27.                                | October,                    | On the sand rocks; banks, and trunks of trees, common.   |
| € compressu             | m<br>M. Br. 27.                                    | October.                    | Among heath on the rocks,<br>and on the forests: a clean<br>looking slender plant. I think<br>it a distinct species. |
|                         | 1664.<br>nthos, E.B.<br>iflorum, Tay<br>M. Br. 27, | October.                    | On trunks of trees,&c., frequent.  |
| molluscum               | 1327.<br>M. Br. 27.                                | November.                   | Mayfield; Morant's Court Hill, and elsewhere, very abundant on the chalk.  |

#### Order 3. HEPATICE.

|   | Order 5. HEPATI | CAS.   |
|---|-----------------|--|
| RICCIA                                  |                 | Riccia.  |
| crystallina 2546.<br>(R. glauca, Linn.) | Mar. April.     | On moist clay banks in rather exposed situations, &c., not common.   |
| β (R. crystallina, Linn.)               |                 | On the mud in ponds where the water has dried back, not unfrequent.  |
| * fluitans 251.                         |                 | [In a pond in the lane which leads from Langton Green to the Dropping Spring towards Pound's Bridge. Forster.] |
|   |                 | This pond has since been filled up and made into a burying ground.   |

## CRYPTOGAMIA .- Musci.

| Genera and   Tab. of Eng.<br>Species.   Botany, &c. |            | English Name, Localities, and other remarks.  |
|---|------------|---|
| Anthoceros  |            | Anthoceros.   |
| punctatus (1) 1537.                                 | Spring.    | Sides of ditches, wet banks, and other wet situations, common.  |
| MARCHANTIA 010                                      | Yarles     | Marchantia.   |
| polymorpha 210.                                     | July.      | Moist, wet, and shady situations, very common.  |
| conica 504.   | March,     | By the sides of banks, streams, and water mills, &c., frequent.   |
| LUNULARIA   |            |   |
| vulgaris  | Summer.    | Cold Bath; Lower Green, and<br>in other damp situations, fre-<br>quent, without fruit; and on   |
| dentities de merchants                              |            | sand rocks at Eastgrinstead,<br>producing fruit.  |
| FAGETELLA   |            |   |
| hemisphærica 503.<br>(Marchantia, E. B.)            | Spring.    | On the bank in the lane from<br>Rusthall Common to the High<br>Rocks; Lamberhurst Quarter,<br>&c., not common.  |
| JUNGERMANNIA  |            | Jungermannia.   |
| asplenioides 1788.<br>Br. Jung.*                    | April.     | On Eridge Rocks in fruit 1839. It is frequent about the rocks, and in woods, and on shady banks, &c., without fruit.  |
| pumila 2230.<br>Br. Jung. 1                         | June.      | High Rocks, Hungershall Rocks, &c., abundant.   |
| lanceolata (Linn.)<br>Br. Jung.                     |            | Harrison's Rocks, April, 1839. The J. lanceolata of Eng. Bot. 605, and the plant mentioned by this name in Turner and Dillwyn's Bot. Guide, and also by other authors as being found on banks about Tun- bridge Wells, is J. scalaris of this list. |
| Sphagni 2470.<br>Br. Jung.                          | Spring.    | Eridge Rocks, in fruit (which is very scarce.) W. Borrer, Fsq. I gathered it with fruit at Eridge, and on the High Rocks in 1839.   |
| crenulata 1463.<br>Br. Jung.                        | 37. April. | Moist banks, on heaths, and on<br>the forests, &c., very common.  |

<sup>(1)</sup> And A. major, E.B. 1538.

<sup>\*</sup> Hooker's British Jungermanniæ.

# CRYPTOGAMIA.-Musci.

| Genera and   Species. | Tab. of Eng.<br>Botany, &c. | Nat. Order.  <br>Time of Mat. | English Name, Localities, and other remarks.   |
|-----------------------|-----------------------------|-------------------------------|--|
| hyalina               | 2678.Sup<br>Br. Jung. 63    | ot. April.                    | On a rock near the ground in the wood at the High Rocks, and among the rocks at Ramslye. This is more rigid than Hooker's plant, probably from the place of growth, but agrees with it in every other respect.   |
| emarginata            | 1022.<br>Br. Jung. 27.      | Mar.—June.                    | Rusthall Common, on exposed rocks.   |
| inflata               | 2512.<br>Br. Jung. 38.      | Mar., April.                  | Broadwater Forest, producing fruit, abundant. A variety, not so large, and always without fruit, is not unfrequent on the chalk.   |
| excisa                | 2497.<br>Br. Jung. 9.       | April, May:                   | On sand rocks, moist banks, &c. frequent.  |
| bicuspidata           | 2568.<br>Br. Jung. 28.      | Nov.—April.  Mar., April.     | Shady banks, among heath, and elsewhere. A plant grows on the High Rocks, Hungershall, Eridge, and Uckfield Rocks, &c., which does not agree exactly with Hooker's description, but probably is not distinct. I regard all the states of J. ventricosa as mere varieties of J. excisa, the differences arising from the places of growth.  On the sand rocks; on heaths; on the forests, &c., frequent. A variety, probably, of this, which has much the appearance of J. curvifolia, (Br. Jung. t. 16.) but is not Dickson's plant, occurs on the forests, on heaths, and in other places. Another, which seems intermediate between J. bicuspidata and J. connivens, grows on the sand rocks. Mr. Spruce suggests that this last may be J. reclusa of Taylor, but scarcely a distinct species. |
|                       | Br. Jung. 12.               | April, May.                   | On banks, and on the sand rocks, and elsewhere, common.  |
|                       | 2436.<br>Br. Jung. 15.      | April.                        | On the sand rocks, and in boggy places among Sphaguum, &c., frequent.  |
| capitata              | Br. Jung. 80.               | Spring.                       | Hungershall Rocks.   |

# CRYPTOGAMIA.-Musci.

| Genera and  <br>Species. |   | Nat. Order.  <br>Time of Mat. | English Name, Localities, and other remarks.  |
|--------------------------|---|-------------------------------|---|
| incisa                   | 2528.<br>Br. Jung. 10.                    | Win. & Spr.                   | High Rocks, Harrison's Rocks, &c.   |
| pusilla                  | 1775. bad.<br>Br. Jung. 69,               | Aut.—Spr.                     | In the wood between Frant<br>Forest and Bellsewe Green;<br>Piltdown, &c., not common.   |
| nemorosa 60              | 07 & 2437. (1) bac<br>Br. Jung. 21.       | l. April, May.                | On the sand rocks, in woods, &c., abundant.   |
| γ denudat                | Br. Jung. 21.                             | April, May.                   | On the sand rocks, common. I consider this as the seedling state of the species.  |
| umbrosa                  | 2527.<br>Br. Jung. 24.                    |                               | High Rocks.   |
| undulata                 | 2251.<br>(except fruit?)<br>Br. Jung. 22. | May.                          | Wet turfy bogs; in streams, &c., a frequent.  |
| resupinata               | 2498.<br>Br. Jung. 23.                    | Spring.                       | High Rocks, and on the bank by the road side from Groom-bridge to Maresfield, where the road branches to Penn's Rocks &c.                               |
| albicans                 | 2240.<br>Br. Jung. 25.                    | Mar., April.                  | On banks, on the sand rocks and elsewhere, common.  |
| β procum                 | bens<br>Br. Jung. 25.                     | Mar., April.                  | Moist banks, &c., frequent.   |
| minuta                   | 2231.<br>(mag. fig. bad)<br>Br. Jung. 44. | Spr., Sum.                    | On Eridge Rocks.  |
| exsecta                  | 2745. Supt.<br>Br. Jung. 19.              |                               | On banks by the road side from Tunbridge Wells to Eridge, and by the side of the plantation between Eridge and Groombridge.                             |
| complanata               | 2499.<br>Br. Jung. 81.                    | Jan .—Dec,                    | Trunks of trees, &c., frequent.   |
| scalaris<br>(J. lan      | 605.<br>ceolata, E. B.)<br>Br. Jung. 61.  | Mar., April.                  | By the road side between Tun-<br>bridge Wells and Eridge; in<br>the wood near Penn's Rocks<br>and elsewhere on banks and<br>in barren places, abundant. |
| polyantho                | s 2479.<br>Br. Jung. 62.                  | Mar., April.                  | Buxted; Groombridge, and elsewhere in wet places about streams, &c.   |
| * viticulos              | a 2513.<br>Br. Jung. 60.                  | April.                        | [In woods and shady wet places Forster.]  |
| Trichoma                 |   | Spr., Sum.                    | On the sand rocks; in bogs and other wet places, very common  |

<sup>(1)</sup> Misnamed J. resupinata.

### CRYPTOGAMIA .- Musci.

|                            | Ch   | IIIOGAMIA.—                 | nusur.  |
|----------------------------|--|-----------------------------|---|
| Genera and  <br>Species.   | Tab. of Eng. Botany, &c.                   | Nat. Order.<br>Time of Mat. | English Name, Locali<br>other remarks.  |
| bidentata                  | Br. Jung. 30.                              | Win., Spr.                  | In the wood by the Hu<br>Rocks, and other mo<br>situations; also in b<br>wet places, frequent.  |
| heterophylla<br>(J. bicusp | 281.<br>idata, E. B.)<br>Br. Jung. 31.     | Win.—Spr.                   | Hedge banks; on the g<br>the roots of trees i<br>woods; on decaying v<br>other places, common   |
|                            | 2536.<br>cea, E. B. and I<br>Br. Jung. 41. |                             | On rocks in Hungersha<br>and on the High Rock<br>Rocks, Harrison's R  |
| barbata<br>(J. quinqu      | 2517.<br>nedentata, E. B.<br>Br. Jung. 70. | April.                      | Eridge Rocks.   |
| βminor                     | Br. Jung. 70,                              |                             | On the sand rocks a<br>Boar's Head, Harris<br>the High Rocks, com   |
| reptans                    | 608.<br>Br. Jung. 75.                      | Spr., Sum.                  | On the sand rocks, of banks, heaths, &c., c   |
|                            | 2232.<br>ns, E. B.)<br>Br. Jung. 76.       |                             | High Rocks, Eridge Ro<br>Harrison's Rocks.  |
| setacea                    | 2482.<br>Br. Jung. 8.                      | Oct., Nov.                  | In the Rock Wood nea<br>Rocks; Eridge Rock<br>bog at Fisher's Cas<br>elsewhere, not uncon   |
| trichophylla               | 2252.<br>Br. Jung. 7.                      | June.                       | Hungershall Rocks, an<br>wood adjoining the<br>Rocks; first discover<br>a botanical walk with<br>rer, in April, 1839.                       |
| platyphylla                | 798.<br>Br. Jung. 40.                      |                             | On the trunks of trees walls, frequent.   |
| * ciliaris                 | 2241.<br>Br. Jung. 65.                     |                             | [In woods and stony pl<br>the rocks. Forster.]  |
| serpyllifolia              | 2537. (bad<br>Br. Jung. 42.                | .) April, May.              | On trees in the wood<br>right hand of the road<br>Withyham and Hart<br>trees and banks at W<br>Ticehurst & elsewher<br>ing over mosses, &c. |
| minutissima                | 1633.<br>Br. Jung. 52.                     | April, May.                 | On fir trees at Boa<br>Rocks; on oak a<br>trees at Bayham, En<br>elsewhere, not rare.   |
| 311 / /                    |  |                             |   |

dilatata

1086.

Br. Jung. 5.

Win.-Spr.

Name, Localities, and er remarks. od by the Hungershall and other moist shady ns; also in boggy and es, frequent. iks; on the ground by ts of trees in shady on decaying wood and aces, common. in Hungershall Wood, he High Rocks, Eridge Harrison's Rocks, &c. cks. and rocks at Eridge, Head, Harrison's, and h Rocks, common. and rocks, on sandy neaths, &c., common. ks, Eridge Rocks, and n's Rocks. ck Wood near Penn's Eridge Rocks; in the Fisher's Castle, and re, not uncommon. all Rocks, and in the adjoining the High first discovered during cal walk with Mr. Bor-April, 1839. unks of trees, and on equent. and stony places; on ks. Forster.] in the wood on the nd of the road between am and Hartfield; on d banks at Wadhurst; st & elsewhere, creepr mosses, &c. rees at Boar's Head on oak and other Bayham, Eridge and

Trunks of trees, &c., very com-

mon.

### CRYPTOGAMIA.-Musci.

| CRIFIOGAMIA.—Musci.   |                             |  |  |
|---|-----------------------------|--|--|
| Species.   Tab. of Eng.  <br>Botany, &c.  | Nat. Order.<br>Time of Mat. | English Name, Localities, and other remarks.   |  |
| Tamarisci 2481.<br>(tamariscina, E. B.)<br>Br. Jung. 6.                             | July, Aug.                  | On the forests, and also in the chalk district, on the ground, and creeping over low bushes, &c., frequent.  |  |
| pinguis 185.<br>Br. Jung. 46.   | Summer.                     | Boggy and other wet places,  |  |
| β (angustior)<br>Br. Jung. 46.  |                             | Boggy and other watery places, common.   |  |
| multifida 186.<br>Br. Jung. 45.   | Spring.                     | In boggy and other wet places, very common.  |  |
| βsinuata  | Spring.                     | On a rock in the field opposites to the rocks in Chiddingly Wood, Westhoathly.   |  |
| Blasia 1328.<br>(Blasia pusilla, E.B.)<br>Br. Jung. 82—84.                          |                             | [In plenty in the lane on the left hand side of the road from Langton Green to Speldhurst Church, near the Dropping Spring. Forster.] I gathered it in 1841, in the wet part of the lane near the Burying Ground, between Langton Green and Ashurst. |  |
| epiphylla 771.<br>Br. Jung. 47.   | Spr. & Aut.                 | On the sand rocks; on the ground in moist places, &c., frequent.   |  |
| calycina 2873. Sup<br>Taylor, Fl. Hib.<br>(epiphylla, β & γ Hook.)<br>Br. Jung. 47. |                             | Buxted. W. Borrer. Esq. The var. \$\beta\$ Hook., in boggy and other wet places; \$\gamma\$ furcigera, Hook., Hungershall Rocks.   |  |
| furcata 1632.<br>Br. Jung. 55—56.   | Win.—Spr.                   | On trunks of trees, &c., common. A large variety of this grows on a sand rock in the wood at the High Rocks, with the underside of the midrib and the edges of the frond hairy.  |  |
| Lyellii<br>Br. Jung. 77.  | Spring.                     | Harrison's Rocks, plentifully.  First discovered there by T.  F. Forster, Esq. in 1790.  |  |

Genera and Species.

Tab. of Eng. Botany, &c. English Name, Localities, and other remarks.

### Order 4. LICHENES. (1)

Notwithstanding the labours of Acharius and others, this Order is still in an unsatisfactory state as to its subdivisions. I have endeavoured to arrange it in Tribes, according to the differences in the Apothecia, and I trust the names affixed will sufficiently explain my views. As to the genera, I follow Acharius with few exceptions; the later alterations adopted in Hooker's British Flora, being in my humble opinion, scarcely improvements. The species are named as in the British Flora, except those marked otherwise.

### Tribe 1. Acarpi.

| LEPRARIA  |                                      | Lepraria.  |
|---|--------------------------------------|--|
| latebrarum  | 2147.                                | On the Eridge, High, and Harrison's Rocks. Perhaps to be removed from the <i>Lichenes</i> , as it is by <i>Hooker</i> and others.                    |
| viridis<br>(botryoides, E. B.                             | 2148.                                | On old buildings, pales, trees, walls, &c., abundant.  |
| flava   | 1350.                                | On trunks of trees, boarded buildings, &c., common.  |
| alba  | 1349.                                | Trunks of trees, &c., frequent.  |
| Jolithus  | 2471.                                | On rocks, boarded buildings, trunks of trees, &c.  |
| nigra   | 2409.                                | On the tops of posts and other squared timber, not uncommon.   |
|   |                                      |  |
|   | Tribe 2.                             | Cryptocarpi.   |
| SPILOMA   | Tribe 2.                             | Marie Calledon Calledon  |
| SPILOMA<br>microscopicum                                  | Tribe 2.                             | Spiloma.   |
|   |                                      | Spiloma. On boarded buildings, &c., common.  |
| microscopicum   | 2396.                                | Spiloma. On boarded buildings, &c., common. On old rails, &c., not unfrequent.   |
| microscopicum dispersum auratum nigrum (variolosum, E.B.) | 2396.<br>2398.<br>2078.<br>2077. (2) | Spiloma. On boarded buildings, &c., common. On old rails, &c., not unfrequent. On timber in old walls, &c. On old trees, especially ash and oaks not |
| microscopicum<br>dispersum<br>auratum<br>nigrum           | 2396.<br>2398.<br>2078.<br>2077. (2) | Spiloma. On boarded buildings, &c., common. On old rails, &c., not unfrequent. On timber in old walls, &c.   |

<sup>(1)</sup> The column for Time of Maturity is not added to this Order, as perfect \*pothecia may be found in most of the species throughout the year.

<sup>(2)</sup> Also S. versicolor, E.B. 2076.

| _ into a   | And the latest of the latest o | Divining.   |
|--|--|---|
| Species. To  | ab. of Eng.<br>Botany, &c.   | English Name, Localities, and other remarks.                                |
| VARIOLARIA   |  | Variolaria.   |
| Vitiligo, Turn. & Bor<br>(Scarcely Ach.)<br>(Spiloma |  | On old rails and gate posts, common.  Probably the young state of some      |
| conspurcata<br>(Lichen, E.B.)                        | 964.   | On stones and mortar in old walls, frequent.                                |
| globulifera<br>(Lichen, E.B.)                        | 2008.  | On beech trees in Eridge Park.  |
| discoidea<br>(Lichen, E.B.)                          | 1714.  | On trunks of trees, common.   |
| faginea<br>(Lichen, E.B.)                            | 1713.  | On trunks of trees, very common. Easily, distinguished by its bitter taste. |
| aspergilla   | 2401.  | On trunks of trees, not uncommon.   |
| lactea, β arenaria                                   |  | Ardingly Rocks. Wm. Borrer, Esq., and Boar's Head Rocks.                    |
| multipuncta  | 2061.  | On beech trees, frequent.   |
| argena<br>(Lichen, E.B.)                             | 1923. (very bad.)  | On trees at the High Rocks.   |
| agelæa<br>(Lichen, E.B.)                             | 1730.  | On the trunks of trees, frequent.   |
| 0  | Tribe 3.   | Lirelliferi.  |
| OPEGRAPHA  |  | Opegrapha.  |
| 1  | The second secon | apha, Ach.  |
| lyncea<br>(Lichen, E.B.)                             | 809.   | On oak trees, &c.   |
| rubella  | 2347. (bad.)   | On the trunks of trees, &c.   |
| rufescens<br>(herpetica, E.B.)                       | 1789. (bad.)   | On the trunks of trees.   |
| atra<br>(denigrata, E.B.)                            | 1753.  | On the smooth bark of trees, frequent.                                      |
| vulgata  | 1811.  | On the rugged bark of trees.  |
| betulina   | 2281.  | On the smooth part of birch trees, frequent.                                |
| varia  | 1890. (1)  | On the bark of trees.   |
| saxatilis  | 1790.  | On the walls of Withyham Church, &c.  |
| (calcarea, E.B.)                                     | ** Gra   | aphis, Ach.   |
| elegans  |  | On the bark of holly, frequent.   |
| scripta (2)  |  | On smooth bark of trees, frequent.  |
| 700 to 0 11 1  | T D 0000 (0)   | O compation F.B. 1855 O colonial  |

<sup>(1)</sup> Also O. diophora, E.B. 2280. (2) O. serpentina, E.B. 1755, O. pulverulenta, 1754, and O. cevasi, 2301, all represent varieties of this species.—O. scripta, E.B. 1813, is a state of O. Lyellii, 1876, of the same work.

|     |                                   | ab. of Eng. Botany, &c.     | English Name, Localities, and other remarks.                      |
|-----|-----------------------------------|-----------------------------|---|
| 201 |                                   | · · · Platygr               | ramme, Meyer.   |
|     | dendritica                        | 1756.                       | On the smooth bark of trees.                                      |
| A   | ARTHONIA (1)                      |                             | Arthonia.   |
|     | lurida                            | 2692. f. 2. Supt.           | Eridge Rocks.   |
|     | impolita (2)                      | 2692. f. 1. Supt.           | On old boarded buildings, frequent.                               |
|     | Swartziana                        | 2079.                       | On the smooth bark of trees, especially holly, not uncommon.      |
|     |                                   | Tribe 4.                    | Tuberculiferi.  |
| V   | ERRUCARIA                         |                             | Verrucaria.   |
|     | nitida                            | 2607. f. 2. Supt.           | On the bark of ash trees, frequent.                               |
|     | submersa                          | 2768. Supt.                 | In a stream between the Old Mill and<br>Herring's Farm, Mayfield. |
|     | cinerea<br>(Lichen stigmatell     | 1891.<br>us, E.B)           | On the smooth bark of trees.                                      |
|     | epidermidis<br>(Lichen analeptus, | 1848.<br>E.B.)              | On the bark of birch at Mayfield, &c.                             |
|     | punctiformis                      | 2412.                       | On the bark of ash trees.   |
|     | olivacea                          | 2597. f. 1. Supt.           | On a tree at the High Rocks, intermixed with Pertusaria crassa.   |
|     | gemmata                           | 2617. f. 2. Supt.           | On the trunks of ash trees, &c., frequent.                        |
|     | biformis                          | 2617. f. 1. Supt.           | On young oaks, &c., not unfrequent.                               |
|     | leucocephala                      | 2642. f. 2. Supt.           | On the trunk of an old tree at Hunger-<br>shall Rocks.            |
|     | epigæa<br>(Lichen terrestris,     | 1681.<br>E.B.)              | On dry banks, heaths, &c., frequent.                              |
|     | viridula<br>(Lichen tessellatus   | 533. (bad.) (3)<br>s, E.B.) | On walls.   |
|     | nigrescens<br>(Lichen umbrinus    | 1499.<br>, E.B.)            | On rocks, stone walls, &c., common.                               |
|     | fuscella (4)                      | 1500.                       | On Groombridge Church.  |

595.

(Lichen trapeziformis, E.B.)

ENDOCARFON

\* Hedwigii

Endocarpon.

[In the way from the Eridge road to the

High Rocks, over the forest. Forster.]

<sup>(1)</sup> An anomalous genus. I place it here on account of the resemblance of its species in appearance to imperfect Opegraphæ, although its apothecia are not truly lirellæ. (2) The E.B. figure 981, given as Lichen impolitus, looks like a state of Spiloma gregarium. (3) A better figure, with the name viridula, is given in E.B. ed. 2. t. 1944. (4) Endocarpon, Ach. and Hook.—It is one of the links between the two genera; V. viridula is another.—Lichen viridulis, E.B. 2455, is Verrucaria elæina.

|   |                                 | Botany, &c.       | English Name, Localities, and other remarks.   |
|---|---------------------------------|-------------------|--|
|   | pulchellum                      | 2602. f. 1. Supt. | In Eridge Park, growing on Lecideo plumbea; frequent on Jung. dilatata, but always without fruit.          |
|   | lætevirens                      | 2658. Supt.       | In damp places on the Eridge Rocks :<br>Harrison's Rocks, and the High Rocks :<br>abundant, without fruit. |
| P | ERTUSARIA                       |                   | Pertusaria.  |
|   | communis<br>(Lichen pertusus,   | 677.<br>E.B.)     | On the trunks of trees, common.  |
|   | fallax (1)<br>(Lichen hymenius  | 1731.<br>s, E.B.) | On the trunks of trees, very common.   |
|   | crassa (1)<br>(Lichen obscurus, | 1752.<br>E.B.)    | On trunks of trees on Tunbridge Wells Common; Hungershall Rocks, and elsewhere, frequent.                  |
|   |                                 | Tribe 5.          | Scutelliferi.  |
| T | HELOTREMA                       |                   | Thelotrema.  |
|   | lepadinum<br>(Lichen inclusus,  | 678.<br>E.B.)     | On sand rocks. W. Borrer, Esq. On and old tree at the High Rocks.  |
| U | RCEOLARIA (2)                   |                   | Urceolaria.  |
|   | scruposa                        | 266.              | On banks, &c. on Tunbridge Wells Com-<br>mon and elsewhere, frequent.                                      |
|   | calcarea                        | 820.              | On rocks, stone walls, tiled roofs, &c.  |
| L | ECIDEA (3)                      |                   | Lecidea.   |
|   |                                 | * Lecid           | ea, Hook.  |
|   | confluens                       | 1964.             | On rocks, and on stones, especially on the forests, very frequent.   |
|   | lapicida<br>(Lichen contiguus   | 821.<br>, E.B.)   | On stones, walls, &c., not unfrequent.   |
|   | premnea                         | 2"                | On trees on Tunbridge Wells Common.  |
|   | parasema                        |                   | On trees at Hungershall Rocks, &c., not common.  |
|   | elæochroma<br>(Lichen parasemu  | 1450,<br>s, E.B.) | On trees, frequent,  |
|   | pinicola                        | 1851.             | On the bark of trees, boarded buildings, &c., frequent.  |
|   | dubia                           | 2547.             | On boarded buildings, common.  |
|   | Griffithii                      | 1735. (not good.) | On trunks of trees.  |
|   | aromatica                       | 1777.             | Groombridge Church.  |
|   |                                 |                   |  |

<sup>(1) (1)</sup> Perhaps P. fallax should be referred to the genus Thelotrema, and P. crassa to Verrucaria. (2) Lichen, E.B. (3) Lichen, E.B.

|   | A CONTRACTOR OF THE PARTY OF TH |                             |  |
|---|--|-----------------------------|--|
|   |  | Tab. of Eng.<br>Botany, &c. | English Name, Localities, and other remarks.   |
|   | scabrosa   | 1878.                       | On sand rocks. Mr. Borrer.   |
|   | uliginosa  | 1466.                       | In the Rock Wood, near Penn's Rocks, and on the forests, frequent.   |
|   | abietina   | 1682.                       | On old trees by the rocks between Uck-<br>field and Maresfield; Hungershall<br>Rocks, and on fir trees about Tun-<br>bridge Wells. |
|   | albo atra, β saxicola (Lichen epipolius,   | 1137.<br>E.B.)              | On brick walls. Mr. Borrer.  |
|   | rivulosa   | 1737.                       | On rocks on Ightham Common.  |
|   | Lightfootii  | 1451.                       | On trees on Broadwater Forests.  |
|   | quernea  | 485.                        | On the bark of oak trees at the High<br>Rocks; near Penn's Rocks and else-<br>where, frequent.                                     |
|   | viridescens  | 2217.                       | On the bank between Penn's Rocks and<br>the Tunbridge Wells and Maresfield<br>road, &c.  |
|   | incana   | 1683.                       | On trees by the Ramslye Rocks, without apothecia.  |
|   | sulphurea  | 1186.                       | On the wall of Groombridge Church.   |
|   | expallens<br>(Lichen orostheus.  | 1549.<br>E.B.)              | On the barn between Tunbridge Wells Common and Hurstwood.  |
|   | æruginosa  |                             | On old rails at Buxted, &c.  |
|   | quadricola   | 1185.                       | Broadwater Forest, and in the Rock Wood<br>near Penn's Rocks, abundant.  |
|   | coronata<br>(Lichen brunneus,  | 1246. (not good.)<br>E.B.)  | On the bank by the Keeper's House between the Eridge road and Broadwater Forest, &c.   |
|   | anomala<br>(Lichen cyrtellus,  | 2155.<br>E.B.)              | On the trunks of trees.  |
|   | vernalis   | 845.                        | On trees by the road side between Tun-<br>bridge Wells and Eridge, and between<br>Uckfield and and Maresfield.                     |
|   | cornea   | 965.                        | On trees in the wood between Ramslye and the High Rocks; and near Penn's Rocks.  |
| 1 | ferruginea   | 1650.                       | On trunks of trees, &c., common.   |
|   | icmadophila<br>(Lichen ericetorum  |                             | Broadwater Forest, Eridge Rocks, and elsewhere on moist rocks and on the ground, frequent.   |
|   |  |                             | On the bark of fir trees at Eridge.  |
|   | polytropa  | 1264. (lower fig.)          | Eridge Rocks. Wm. Borrer, Esq.   |
| 1 | lucida   | 1550.                       | On the sand rocks, not common, and   |
|   |  |                             | rarely in fruit.   |

|   | And the state of t | Manual Bas  |
|---|--|---|
| Genera and<br>Species.                          | Tab. of Eng.<br>Botany, &c.  | English Name, Localities, and other remarks.  |
| ulmicola<br>(Lichen lutea-a                     | 1426.<br>lbus, E.B.)   | On trees at Eridge, &c.   |
| aurantiaca<br>(Lichen salicing                  | 1305.<br>us, E.B.)   | On ash trees in Eridge Park, &c.  |
| coarctata<br>(Lecanora, Hoo                     | (K.)   | d.) Walls, stones, &c., common.   |
|   | · · Psora  |   |
| glebulosa                                       | 1955.  | On rocks on Tunbridge Wells Common, and on the sand rocks near the Toack Rock on Rusthall Common. |
| scalaris  | 1501.  | On trees on Tunbridge Wells Common without apothecia.   |
|   | • • • Pla  | codium, Hook.   |
| canescens                                       | 582.   | On boarded buildings, trees, walls, &c.   |
| plumbea   | 353.   | On trees in Eridge Park, abundant.  |
| LECANORA (1)                                    |  | Lecanora.   |
| atra  | 949.   | On walls, trees, and on the sand rocks.   |
| exigua  | 1849.  | On boards of old barns, &c.   |
| sophodes  | 1791.  | On trees by the rocks between Uckfield and Maresfield.  |
| subfusca  | 2109.  | On the trunks of trees, &c., abundant.  |
| cæsiorufa                                       | 1040.  | On brick and stone walls,   |
| farinaria                                       | 2727. Supt.  | Eridge Park pales, without shields.   |
| Hæmatomma                                       | 486. (2)   | On the sand rocks, common.  |
| cerina  | 627.   | Eridge park pales, and on the smooth bank of trees, &c.   |
| varia   | 1666.  | On trees on Tunbridge Wells Common and on Eridge Park pales.                                      |
| albella   | 2154.  | Eridge Park pales.  |
| Parella   | 727.   | On the sand rocks, frequent.  |
| tartarea  | 156.   | On the sand rocks, common.  |
| Turneri   | 857.   | On trees at Eridge, &c., and with shields which are rare, on a tree at Hawk hurst.                |
| vitellina                                       | 1792.  | On trees on Tunbridge Wells Common.   |
| pezizoides<br>(Lecidea coror                    |  | High Rocks, in one spot only.   |
| in par<br>murorum<br>(callopisma, A<br>Squamari | 2157.  | On rocks and walls, frequent.   |
| - Equamari                                      | , 2200m/   |   |

<sup>(1)</sup> Lichen, E.B., except those figured in the Supplement. (2) Also Liche coccineus, E.B. 223.

|   | Genera and Species.          | Tab. of Eng.<br>Botany, &c.                       | English Name, Localities, and other remarks.  |
|---|------------------------------|---|---|
|   | _                            | - * Squa  | amaria, Hook.   |
| I | PARMELIA (1)                 |   | Parmelia.   |
|   | candelaria                   | 1794.   | On trees on Tunbridge Wells Common, bearing shields, which are rare.  |
|   | ß polycarpa                  | 1795.   | On trees, walls, old pales, &c.   |
|   | lanuginosa                   |   | Eridge Rocks. W. Borrer, Esq.   |
|   | Clementi                     | 1779.   | On trees on Tunbridge Wells Common.   |
|   | cæsia                        | 1052.   | On slate roofs at Pembury, &c.  |
|   | affinis                      | 983.  | On trees in Eridge Park.  |
|   | conoplea                     |   | On trees in Eridge Park, without shields. This is confounded with <i>P. affinis</i> by <i>Hook</i> . and other authors—the apothecia however, which was gathered by <i>Mr. Borrer</i> and myself during a Botanical walk over Blackdown in 1840, proves it to be very distinct from that species. |
|   | adglutinata,F                | lorke(2) 2158.                                    | On the bark of trees, frequent.   |
|   |                              | • * Pa  | trmelia, Hook.  |
|   | caperata                     | 654.  | On trees, rocks, &c., very common.  |
|   | scortea                      | 2065.   | On an hovel at Hill Park near Wester-<br>ham, in abundance. Mr. R. Scott. On<br>beech trees at Buckhurst Park; Plax-<br>tol, and Chipstead.   |
|   | tiliacea                     | 700.  | On trees at Hill Park near Westerham.   |
|   | Borreri                      | 1780.   | On trees, common. On Tunbridge Wells Common in 1837, with shields, which are rare, and <i>Mr. R. Scott</i> finds it with them, very fine, in Hill Park nearWesterham.   |
|   |                              | or, Fl. Hib.<br>with P. saxatilis<br>er authors.) | On trunks of trees, rails, &c., frequent.   |
|   | saxatilis<br>(P. consper     | 603.<br>rsa, Fl. Ton.)                            | On the Eridge Rocks, very fine, and on<br>trees in Eridge Park and other places,<br>frequent. A variety <i>Endocarpon pa-</i><br>rasilicum, E.B., on Eridge Rocks.  |
|   | proboscidea (<br>(Tay. Fl. H |   | ng On Hungershall Rocks and at Eridge ds.)  Rocks with shields. W.Borrer, Esq. I gathered it with shields at Eridge in 1840.  |

<sup>(1)</sup> Lichen, E.B., except P. erosa figured in the Supplement. (2) Lichen elæinus, E.B. Squamaria elæina, Hooker, but not Parm. elæina, Wahl. according to Borrer, in E.B. Supt. (3) P. perforata, E.B. and Hooker, but according to Taylor, not of Ach.

| THE TEST OF THE PARTY. |                             |   |  |
|------------------------|-----------------------------|---|--|
| Genera and<br>Species. | Tab. of Eng.<br>Botany, &c. | English Name, Localities, and other remarks.  |  |
| perlata                | 341.                        | On trees, rocks, &c., abundant. Thee apothecia, which is rare, I gathered at Mark Cross in 1839, and in 1842.   |  |
| lævigata               | 1852,                       | On the rocks at Eridge, sparingly, and without apothecia. W. Borrer, Esq. and on Penn's Rocks. A variety on the fir trees on Eridge Rocks bear shields abundantly.  |  |
| reticulata, Taylor     |                             | Penn's Rocks. W. Borrer, Esq.   |  |
| olivacea               | 2180.                       | On trees, old pales, &c., abundant. An remarkable state, exhibiting scattered scutella with scarcely a vestige outhallus, occurs on Eridge Park pales.  |  |
| corrugata              | 1652.                       | On trees on Tunbridge Wells Commons, without shields.   |  |
| pulverulenta           | 2063.                       | On trunks of trees, &c., very common.   |  |
| pityrea                | 2064.                       | On trees on Tunbridge Wells Common.   |  |
| erosa                  | 2807. Supt.                 | On trees on Tunbridge Wells Commons<br>Penshurst Park, and other places.  |  |
| stellaris              | 1697.                       | On the trunks of trees, very common.  |  |
| cycloselis             | 1942.                       | On trees on Tunbridge Wells Common  |  |
| β virella              | 1696.                       | On the trunks of trees, frequent.   |  |
| aleurites              | 858.                        | Eridge Park pales.  |  |
| parietina              | 194.                        | On trees and walls, abundant.   |  |
| physodes               | 126.                        | At Eridge, bearing shields abundantly On trunks of trees, heaths, &c., very common, without scutella.   |  |
|                        | • • • Eve                   | ernia, Hook.  |  |
| prunastri              | 859.                        | On trees, old pales, &c., common. The apothecia, which are considered raree I have gathered at Eridge; Buckhurse Park; Redleaf; Brenchley; Hawkhaurst; Rotherfield, and in great abundance on the head of an old barn to Burwash. |  |
|                        | •••• B                      | Borrera, Hook.  |  |
| ciliaris               | 1352.                       | On trees, boarded buildings, &c., verg  |  |
| tenella                | 1351.                       | On trees, and on bushes, &c., frequents rarely with shields.  |  |
| ß leptalea             |                             | Trunks of trees, &c., common, and bearing shields in abundance.   |  |
| furfuracea             | 984.                        | Eridge sand rocks. W. Borrer, Esqui   |  |

|   | Genera and<br>Species.         | Tab. of Eng.<br>Botany, &c. | English Name, Localities, and other remarks.  |
|---|--------------------------------|-----------------------------|---|
|   | flavicans                      | 2113.                       | On trees in Eridge Park; Wadhurst and elsewhere, no apothecia.                                    |
| 1 | RAMALINA (1)                   |                             | Ramalina.   |
|   | fraxinea                       | 1781.                       | On trunks of trees, frequent.   |
|   | farinacea                      | 889.                        | On trunks of trees, &c., common, apo-<br>thecia rare.   |
|   | fastigiata                     | 890.                        | On trees, old pales, &c., common.   |
|   | pollinaria                     | 1607.                       | On barn doors, &c., not unfrequent.   |
| 8 | STICTA (2)                     |                             | Sticta.   |
|   | herbacea                       | 294.                        | On trees in Eridge Park, and on the sand rocks.   |
|   | glomulifera                    | 293.                        | On trees at Eridge Park.  |
|   | pulmonaria                     | 572.                        | On trees in Eridge Park; Buckhurst Park, &c., frequent, especially on oak, and on the sand rocks. |
|   | scrobiculata                   | 497.                        | On trees at Eridge Rocks, and in Eridge<br>Park, &c.  |
|   | limbata                        | 1104.                       | Eridge Park, without apothecia.   |
| ( | COLLEMA (3)                    |                             | Collema.  |
|   | cristatum<br>(Lichen, crispus, | 834.<br>E.B.)               | On the rocks, among mosses, &c.   |
|   | nigrescens                     | 345.                        | On trunks of trees, &c., frequent.  |
|   | granulatum                     | 1757.                       | On the ground, &c., common.   |
|   | crispum                        | 2716. f. 1. Supt.           | On walls, &c., not uncommon.  |
|   | lacerum                        | 1982.                       | Hungershall Rocks, among mosses, &c.  |
|   | subtile                        | 1008.                       | In the lane from Rusthall Common to the High Rocks.   |
| 4 | ALECTORIA                      |                             | Rock Hair.  |
|   | jubata                         |                             |   |
|   | β chalybeiformis               | 1880. (upper<br>figure.)    | High Rocks; Eridge Rocks, &c., without apothecia.   |
|   | 7 (4)                          | Tribe 6.                    | Orbilliferi.  |
| 1 | JSNEA (4)                      | -                           | Usnea.  |
|   | florida (5)                    | 872.                        | On Branches of old trees, frequent. In<br>Eridge Park, with apothecia, 1840.                      |
|   | plicata                        | 257.                        | On trunks of old pales, &c., frequent.  |
|   | barbata<br>(Lichen, articulat  | 258.<br>us, E.B.)           | On an oak tree between Mark Cross and<br>Rotherfield.   |
|   | (1) T/-1 T.D. 10               |                             |   |

<sup>(1)</sup> Lichen, E.B. (2) Lichen, E.B. (3) Lichen, E.B. except the one figured in the Supplement.

<sup>(4)</sup> Lichen, E.B. (5) And Lichen hirtus, E.B. 1354.

Genera and Species.

Tab. of Eng. Botany, &c.

English Name, Localities, and other remarks.

Tribe 7. Peltigeri.

CORNICULARIA

aculeata 452. (Lichen hispidus, E.B.)

CETRARIA

glauca 1606. (Lichen glaucus, E.B.)

PELTIDEA

scutata

rufescens

1834.

horizontalis

888. bad (1)

103. Dill., H.M. (2)

polydactyla, Ach. 107. Dill., H. M.

canina

2099.

β membranacea, Ach.
γ spurium, Hook. 1542.
(Lichen spurius, E.B.)

NEPHROMA

resupinata 305. (Lichen resupinatus, E.B.) Cornicularia.

On heaths and the forests, frequent.

Cetraria.

Eridge Rocks, without apothecia. Wm.

Pellidea.

On trees at Westathly, without fruit.

Eridge Rocks, &c., common.

On banks between Frant and Bell's Ewee Green, and between Lamberhurst and Goudhurst, and several other places.

Eridge Rocks.

Upon the ground; on trees, and on thee roofs of houses, &c., common.

Eridge Rocks, &c., growing on mosses.

On hedge banks, &c., not common.

Nephroma.

On trees at Eridge, &c.

Tribe 8. Cephalodiophori.

BEOMYCES (3)

roseus 374. (Lichen Bæomyces, E.B.)

ifus 373. (Lichen byssoides, E.B.)

Bæomyces.

Broadwater Forest and other places, frequent.

On rocks, and on banks in the forest district, common.

Cladonia.

CLADONIA (4)

\* Scyphophorus. Hook.

coespiticia

1796.

Hungershall Rocks; Eridge; Oldbury, Hill, Ightham; and on banks near Cross in Hand, &c.

<sup>(1)</sup> t. 2300, E.B. called Lichen rufescens appears to me a better figured P. horizontalis.

<sup>(2)</sup> Dillenius, Historia Muscorum.

<sup>(3)</sup> Lichen, E.B.

<sup>(4)</sup> In E.B. each individual figured is given as a species, and all except C. cariosa, under the generic name Lichen.—Our district is favourable for the study of these plants, their much varied forms abounding among the rocks, and on the forest heaths. Attentive consideration of them, at all seasons, in their various places of growth, has convinced me that the species are comparatively few, and that the essential differences are to be looked for in the Cephalodia and in the stalks (podetia;) their variations however sportive, being still restricted to certain

| Genera and Species.                         | Tab. of Eng.<br>Botany, &c. | 1 | English Name, Localities, and other remarks.                                |
|---|-----------------------------|---|---|
| delicata<br>(Sc. parasitica, I              | 2052.<br>Hook.)             |   | On an old tree at Harrison's Rocks.   |
| ventricosa (1) Shærer                       |                             |   | Broadwater Forest, &c.  |
| $\beta$ sparassa                            | 2362.                       |   | On the sand rocks, among mosses, &c., abundant.                             |
| γ pityrea, Ach.                             |                             |   | Broadwater Forest, &c.  |
| ð anomæa                                    | 1867.                       |   | On thatch, frequent.  |
| « cariosa                                   | 2761. Supt.                 |   | Horsmonden, and on Broadwater Forest.                                       |
| ₹ microphylla                               | 1782.                       |   | Broadwater Forest.  |
| cervicornis                                 | 2574.                       |   | Rusthall Common.  |
| β verticillata<br>(H. M. t. 14. f. 6. D—H.) |                             |   | Broadwater Forest.  |
| gracilis                                    | 1284.                       |   | On the forests, heaths, &c., abundant.                                      |
| alcicornis                                  | 1392.                       |   | Hungershall Rocks, Eridge Rocks, &c.  |
| filiformis                                  | 1028.                       |   | On old rails, gate posts, the sand rocks, and our forest heaths, abundant.  |
| $\beta$ bellidiflora                        | 1894. (2)                   |   | Eridge Rocks, and in the Rock Wood<br>near Penn's Rocks.                    |
| γ digitata                                  | 2439.                       |   | Rock Wood near Penn's Rocks, very fine-                                     |
| δ cornuta                                   | 1836.                       |   | Eridge and on the forests.  |
| • radiata                                   | 4835.                       |   | On the forests, heaths, &c.   |
| ζ bacillaris, Ach.                          |                             |   | Broadwater Forest.  |
| coccifera                                   | 2051.                       |   | On Broadwater Forest, and elsewhere on<br>the forests and heaths, frequent. |
| deformis                                    | 1394.                       |   | Broadwater Forest, Eridge Rocks, and in<br>the Rock Wood near Penn's Rocks. |
| pyxidata                                    | 1393.                       |   | On banks and on the forests, &c., frequent.                                 |
| β fimbriata<br>(Lichen fimbri               | 2438.<br>atus, E.B.)        |   | On banks and on the forests, &c., frequent.                                 |
| γ Pocillum                                  |                             |   | On banks, rocks, and on the ground, very common.                            |

bounds. Taking these chiefly as my guides, I am persuaded that the distribution that I have adopted of these varieties is not very different from that prescribed by nature.—I am not in every instance satisfied as to the propriety of the specific names, not having had sufficient opportunity to acquaint myself with the various writers on the genus. The conclusions I have come to, as to the bounds of the species, are the result of my own independent observation, and I am glad to find Mr. Borrer much inclined to sanction them.

<sup>(1)</sup> I adopt this name, on account of its priority, supposing the species to be "Lichen ventricosus," Huds.

<sup>(2)</sup> Ours is not exactly the mountain form figured in E.B., but it is extremely near to it.

| CRYPTOGAMIA.—LICHENES.                   |                             |  |  |  |
|--|-----------------------------|--|--|--|
| Genera and<br>Species.                   | Tab. of Eng.<br>Botany, &c. | English Name, Localities, and other remarks.   |  |  |
| ** Cladonia, Hook.                       |                             |  |  |  |
| uncialis                                 | 174.                        | On the forests, heaths, &c., common.   |  |  |
| rangiferina                              | 173.                        | On the forests, heaths, &c., very abundant. This plant is the Rein Deer Moss of the Laplanders.  |  |  |
| furcata<br>(H. m. t. 16. f. 26           | 3. 27.)                     | On the ground both in the forest and in the chalk district, common.                              |  |  |
|  | * * * Pycn                  | othelia, Hook.   |  |  |
| Papillaria                               | 907.                        | Broadwater Forest, abundant.   |  |  |
| Isidium (1)                              | Tribe 9.                    | Globuliferi.   |  |  |
| lutescens<br>(Lepraria, E.B.)            | 1529.                       | On trunks of trees.  |  |  |
| coccodes                                 | 1511.                       | On trunks of trees, old rails, &c.   |  |  |
| β phymatodes                             |                             | Tunbridge Wells Common.  |  |  |
| Westringii                               | 2204.                       | Uckfield. W. Borrer, Esq. High Rocks.  |  |  |
| corallinum                               | 1541.                       | Rocks between Uckfield and Maresfield Wm. Borrer, Esq.   |  |  |
|  | Tribe 10.                   | Cistuliferi.   |  |  |
| SPHEROPHORON                             |                             | Sphærophoron.  |  |  |
| coralloides<br>(Lichen globiferu         | 115.<br>is, E.B.)           | On the sand rocks at Hungershall, Eridge, and High Rocks.  |  |  |
| compressum<br>(Lichen fragilis, l        | 114.<br>E.B.)               | Eridge Rocks, Harrison's and High Rocks, &c., frequent.  |  |  |
|  | Tribe 11.                   | Pilidiiferi.   |  |  |
| CALICICIUM                               |                             | Calicium.  |  |  |
| turbinatum, Pers.<br>(C. sessile, E.B. 8 | 2520.<br>t Hook.)           | Parasitic on Pertusaria communis. Tun-<br>bridge Wells Common; Eridge, and lelsewhere, frequent. |  |  |
| microcephalum<br>(Lichen, E.B.)          | 1865.                       | Kidbrook Park pales. W. Borrer, Esq. And on an old tree at Coursely Wood, Wadhurst.              |  |  |
| sessile, Pers,                           |                             | On oaks at the High Rocks.   |  |  |
| tympanellum<br>(Lichen inquinan          | 810.<br>s, E.B.)            | On old pales, gates, post tops, &c., com-<br>mon.  |  |  |
| ferrugineum                              | 2473.                       | On old pales at Shipbourne.  |  |  |
| clavellum<br>(Lichen, E.B.)              | 1465.                       | On boarded buildings, &c., frequent.   |  |  |
|  |                             |  |  |  |

<sup>(1)</sup> Lichen, E.B., except the first species.

### CRYPTOGAMIA.-LICHENES.-CHARACEE.

| CRYPTOGAMIA.—LICHENES.—CHARACER.             |                  |  |  |  |
|--|------------------|--|--|--|
| Genera and Tab. o. Species. Botan            | f Eng.<br>y, &c. | English Name, Localities, and other remarks.   |  |  |
| hyperellum (Lichen, E.B.)                    |                  | At Boarsell, and on a tree at Browning's.  |  |  |
| chrysocephalum 2501                          | •                | On a barn at Penn's Rocks, and on old pales at Shipbourne, &c.   |  |  |
| phæocephalum 1540<br>(Lichen trabinellus, E. |                  | On a barn between Tunbridge Wells Common and the Hurst Wood; Penn's Rocks, and on an old hovel at the back of the keeper's house on Broadwater Forest. |  |  |
| chlorellum 238<br>(Lichen acicularis, E.B    |                  | On a barn at Penn's Rocks.   |  |  |
| curtum 2503                                  | 3.               | Shipbourne and elsewhere, on old boards protected by the eaves of thatched buildings, on decayed rails, &c.  |  |  |
| debile (Lichen, E.B.)                        | 2.               | On an old barn between Tunbridge Wells<br>Common and the Hurst Wood, and<br>elsewhere on old timber under the<br>eaves of thatched buildings.          |  |  |
| sphærocephalum (Lichen, E.B.)                | 1.               | On an old barn at Penn's Rocks.  |  |  |
| furfuraceum 1539<br>(Lichen capitatus, E.B   |                  | On the High Rocks; Eridge Rocks, &c.   |  |  |
|  | Order 5.         | Characes,  |  |  |
| NITELLA                                      |                  | Nitella.   |  |  |
| transluscens 1855<br>(Chara, E.B. & Hook.)   | . Sum.           | In ponds on Framfield Common, and in<br>Barnett's Wood, &c., rare.   |  |  |
| flexilis 1070<br>Chara, E.B. & Hook.)        | . Spr.           | On Tunbridge Wells Common; in a spring well near the brick yard between Tunbridge Wells and Eridge; Withyham; Framfield, &c., not unfrequent.          |  |  |
| nidifica 1703.<br>(Chara, E.B. & Hook.       | Sum.—Aut.        | In a pond near Framfield Common. Jos. $Woods$ , $Esq$ .  |  |  |
| CHARA  |                  | Chara.   |  |  |
| vulgaris 336.                                | Spr.—Aut.        | Ditches at Tunbridge; pond at Hill Park<br>near Westerham, &c.   |  |  |

Buxted. W. Borrer, Esq. &c.

Mayfield,

Hedwigii

2762.Supt. Spr.

### CRYPTOGAMIA .- ALGA:

Genera and Species

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

Order 6. ALGE. (1)

Tribe 1. Chlorospermeæ, Harv.

Fam. 1. Siphoneæ.

VAUCHERIA

Dillwynii

Spr., Sum.

In ponds and ditches, frequent.

dichotoma (Conf. E.B. 932.)

Spr. & Aut.

On the ground in damp shady places, particularly in turnip fields.

Vaucheria.

(Conf. frigida, Dillw. t. 16.) terrestris

Spring.

On the bank by the stream near the High Rocks, and elsewhere on the ground in moist shady places.

sessilis, E.B. 1765.

(Berk. Gl. Alg. t. 9.)

Spr. & Aut.

In pools, ponds, &c., common.

cæspitosa Spring. (Conf. amphibia, Dillw. t. 41.)

In wet places on Rusthall Common; on the margins of pools, ponds, and by watercourses, &c., common.

Botrydium (2)

granulatum Spr. & Aut. (Tremella granulata, E.B. 324.)

Botrydium.
On the mud in ponds, &c., where the water is partly dried up.

Fam. 2. Lemanieæ.

LEMANIA

fiuviatilis (Conf. E.B. 1763,) Lemania.

In the stream at Hamsell, and at the waterfall at Harrison's Rocks, in abundance.

Fam. 3. Batrachospermeæ.

BATRACHOSPERMUM

Frog Spawn.

moniliforme Spring. (Conf. gelatinosa, E.B. 689.)

In the Cold Bath Spring; in a spring between Rusthall Common and Still Green; Heathfield, &c.

atrum (Conf. atra, E.B. 690.)

Stream at Hamsell near Eridge.

Fam. 4. Chætophoroideæ.

Autumn.

DRAPARNALDIA

Draparnaldia.

glomerata (Conf. mutabilis, E.B. 1740.) Cold Bath, and elsewhere in pools, streams, &c., common.

<sup>(1)</sup> Comparatively few of the species of Algæ, found growing in this district, have been published in the Eng. Bot., consequently the column for reference to it is not required.—In the column for Time of Maturity, &c. where the season is somitted, it is to be presumed that those species are found in perfection at various periods throughout the year.

<sup>(2)</sup> Hydrogastrum, Endlicher, Gen. Plantarum.

#### CRYPTOGAMIA,-ALGE.

Genera and Species. Nat. Order. Time of Mat. English Name, Localities, and other remarks.

Chætophora.

СНЕТОРНОВА

tuberculosa

8pring.

Barnett's Wood.

(Rivularia, E.B. 2366.)

elegans, Ag. (Rivularia, E.B. 1797.) Spring.

In a pool near the brick yard between Tunbridge and Eridge.

Fam. 5. Conjugateæ. (1)

\* Filaments congugating.

+ Cells not inverted.

‡ Spires numerous.

ZYGNEMA (2) maximum

Autumn,

Zygnema. In a pond at Withyham.

(Z. maximum, var. \beta
Hassall App. (3) vol. 10, p. 4

Hassall. Ann. (3) vol. 10, p. 432.)

orbiculare, Hass.MSS. Spr. & Sum. (Z. maximum, Ann. vol. 10. p. 36.)

belle June. (Hass. Ann. vol. 10. p. 36.)

nitidum May. (Conf. jugalis, Fl. Dan.)

In a pond at Waldron.

In the pond between Ramslye Rocks and Broadwater Forest.

In a pool on Framfield Common; in the pond on Still Green near Rusthall Common; on Tunbridge Wells Common, and between Tunbridge Wells Common and Hurst Wood. A small part of a filament of this species is correctly figured in E.B. t. 1656, the lowest fig. on the left, with spires only.

neglectum, Hass. Spr. & Sum. (Conf. jugalis, Dillw. t. 5.)

In the pond on Still Green, near Rusthall Common; Cross in Hand; in a pond near the Five Ashes Mayfield; and in a pond between Tunbridge Wells Common and the Hurst Wood.

# # Spires two.

deciminum, Ag.

June.

In a pond between Ramslye Rocks and Broadwater Forest.

<sup>(1)</sup> For this arrangement of the Conjugateæ, Cystospermeæ, and Lyngbyaceæ I am indebted to the kindness of Mr. Hassall, who informs me that it is nearly that intended to be followed in his "History of the British Freshwater Algæ" which is now in course of preparation, and which, according to the Prospectus, will furnish "a complete account of their Modes of Reproduction, Growth, &c., with plates illustrating every species."

<sup>(2)</sup> Spirogyra of Link, Meyen and Endlicher-Zygnema, sect. 6, Agardh.

<sup>(3)</sup> Annals and Magazine of Natural History. Taylor, London.

### CRYPTOGAMIA.-ALGE.

Genera and Species.

Nat. Order. Time of Mat.

English Name, Localities, and other remarks.

### ‡ ‡ ‡ Spires Single.

varians, Hass. MSS. April. (Z. quininum var. Hass. Ann. vol. 10. p. 35.)

At Hawkhurst, and in a pond in a cou tage garden between Broomhi and Speldhurst.

æstivum May. (Hass. Ann. vol. 11. p. 433.)

Wadhurst.

malformatum May-June. (Hass. Ann. vol. 10. p. 39.)

In a pond at Still Green, and in the watercourse by the road side near the Blackboy's Toll Gate.

commune April. (Hass. Ann. vol. 10, p. 39.)

Framfield Common.

flavescens, Hass. MSS. April.

Broadwater Forest; Waterdown For est, and in the pond by the foo path between Tunbridge Well Common and the Hurst Wood.

parvum May, June. (Hass. Ann. vol. 10. p. 41.)

In a pond between Ramslve Rock and Broadwater Forest.

+ + Cells inverted.

# Spires two.

Grevilleanum April. (Hass. Ann. vol. 10. p. 38.)

Framfield Common.

‡ ‡ Spires single.

subventricosum April, May. (Hass. Ann. vol. 10. p. 38.)

Heathfield; in a pond near Boar' Head, and in a pond at Ramsly Rocks.

elongatum Summer. (Conjugata, Vauch. t. 6. f. 1. Conf. punctalis Müller, Fl. Dan.

In a pond between Pembury and Lamberhurst Quarter.

Z. æquale, Hass. Ann. vol. 10. p. 39.) (Conjugata, Vauch. t. 5. f. 3. Z. varians, Hass. Ann. vol. 11. p. 431.)

Rusthall Common, and between Sharp's Bridge and Piltdown Conn

tenuissimum (Hass. Ann. vol. 10. p. 41.) Delmonden, Hawkhurst.

\* \* Filaments not conjugating. + Cells not inverted.

‡ Spires single.

Woodsii, Hass.MSS. April, May. (Conf. spiralis, var. Dillw. Syn. No.37.p.50. joining the church yard; in the Z. quininum var. Hass. Ann. vol. 10. p. 35.)

At Frant, in a pond in the field ac pond at Ramslye, and in som pools between Hook Green and Lamberhurst.

May, June. (Hass. Ann. vol. 10, p. 41.)

Mayfield; between Sharp's Bridg and Piltdown Common, &c.

#### CRYPTOGAMIA .- ALGE.

Genera and Species.

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

mirabile, Hass. MSS.

In the pond between Tunbridge Wells Common and the Hurst Wood, and in a pond at Burwash.

+ + Cells inverted.

± Spires two.

Hassallii, MS. (1)

April.

Sandhurst.

‡ ‡ Spires single.

April. quadratum (Hass. Ann. vol. 10. p. 41,)

Pond at Ramslye.

intermedium (Hass, Ann. vol. 10. p. 41.)

Pond at Ramslye; watercourse by the road side at Wadhurst, and in a wet place on Tunbridge Wells Common.

Jenneri, Hass. MSS. Mar., Apr. In a wet spot by the road side between Dudsland Toll Gate and the Hole Farm Mayfield; in the pond at Ramslye; in the watercourse by the road side near Mark Cross, &c. This beautiful species is not uncommon. It is generally found in watercourses by road sides, and is one of the earliest fruiting species in the genus.

Tyndaridea. TYNDARIDEA (2)

anomala, Ralfs' MSS.

Mar., Apr.

In a boggy spot near Cross in Hand opposite to where the road branches to Hailsham.

insignis, Hass. MSS.

April, May.

Rusthall Common; in a pool by the roadside between Cross in Hand and Heathfield; pond near Five Ashes, Mayfield; and on Water-down Forest.

stellina May. (Conjugata, Vauch. t. 7. f. 1.)

April. stagnicola (Hass. Ann. vol. 10. p. 42.)

April. (Hass. Ann. vol. 12. p. 188. t. 7, f. 20.) In ponds at Waldron, and at Hartfield.

Rusthall Common; Waterdown Forest, and near Cross in Hand.

In a boggy spot near Cross in Hand. opposite to where the road branches to Hailsham, and on Piltdown Common.

MOUGEOTIA

genuflexa Spr., Sum. (Conferva, Dillw. t. 6.)

Mougeotia.

In ponds at Mayfield, Wadhurst, Ticehurst, &c., and in ditches about Tunbridge and elsewhere, not unfrequent.

<sup>(1)</sup> Mr. Hassall was the first discoverer of this very distinct and beautiful species, of which no description has yet appeared, and surely no one better deserves commemoration in the name of a Freshwater Algæ.

<sup>(2)</sup> Zygnema, Agardh and Endlicher.

### CRYPTOGAMIA .- ALGR.

Genera and Species

Nat. Order. Time of Mat. English Name, Localities, and other remarks,

MESOCARPUS, Hassall.

scalaris Apr., May. (Mougeotia Hass. Ann. vol. 10. p. 45. & vol. 12. t. 7. f. 7.)

(Hass. Ann. vol. 12. p. 186. t. 7. f. 8.)

intricatus May. (Hass. Ann. vol. 12. p. 76. t. 7. f. 9.)

depressus April. (Hass. Ann. vol. 12. p. 186. t. 7. f. 11.)

parvulus April, (Hass. Ann. vol. 11. p. 434, and vol. 12. p. 187. t. 7. f. 13.)

(Hass. Ann. vol. 11. & vol. 12. p. 187. t. 7. f. 14.)

STAUROCARPUS

cærulescens Apr.—June. (Conf. E.B, 2457. S. capucinus, Hass. Ann. vol. 12. p. 185. t. 7. f. 2.)

quadrangulatus April, May. As (Mougeotia, Hass. Ann. vol. 11. p. 434. and S. virescens, vol. 12. p. 185. t. 7. f. 3.)

gracilis April. (Hass. Ann. vol. 12. p. 185. t. 7. f. 5.)

gracillimus Spr. & Sum. (Hass. Ann. vol. 12. p. 185. t. 7. f. 6.)

ZYGOGONIUM, Kützing.

ericetorum (Conferva, E.B 1553, bad Dillw. t. 1.) Mesocarpus.

By the road side near Blackboy's Toll Gate, and between Wych Cross and Horsted Keynes.

Crowborough Warren.

Broadwater Forest.

In a boggy spot near Cross in Hand opposite to where the road branches to Hailsham.

In a boggy spot near Cross in Hand with the last.

Waterdown Forest.

Staurocarpus.

In a pool at Knight's Farm, Mayfield. Wm. Borrer, Esq. Also in the same boggy place near Cross in Hand with Mesocarpus, depressus, &c.

Ashdown Forest, and on Crawly Down near Turner's Mill.

Waterdown Forest; Broadwater Forest; Bogs at Fisher's Castle, and Crowborough Warren.

Ashdown Forest.

Zygogonium.

On the forests, heaths, &c., in abundance.

Fam. 6. Cystospermeæ.

VESICULIFERA, Hassall. (1)

concatenata April, May. (Hass. Ann. vol. 10. p. 392.)

cardiaca April, (Hass. Ann. vol. 10. p. 391.)

paludina April. (Hass, Ann. vol. 10. p. 390.)

Vesiculifera.

In a pool between Hook Green and Lamberhurst.

In a pool between Hook Green and Lamberhurst.

Framfield Common.

<sup>(1)</sup> Tiresias of Bory, Fries, and Endlicher.

### CRYPTOGAMIA .- ALGE.

Genera and Species.

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ovata (Hass. Ann. vol. 10, p. 392.)

May.

Turner's Hill, and Heathfield.

April.

(Conf. tumidula, E.B. t. 1670.)

May, June. crispa, Hass. MSS.

Rusthall Common.

Rusthall Common.

Framfield Common.

quent.

Between Wadhurst and Ticehurst, and between Ramslye Rocks and Broadwater Forest.

April. vernalis (Hass. Ann. vol. 11, p. 434.)

æqualis, Hass. MSS. April.

April.

inæqualis, Hass.MSS. Mülleri Mar., April.

(Hass. Ann. vol. 10. p. 393.) lutescens, Hass.MSS. April.

bombycina Spr. & Sum.

(Hass. Ann. vol. 10. p. 394. Conf. sordida, Dillw. t. 60.)

Hawkhurst. Rusthall Common, and Burwash.

Rusthall Common, and Delmonden,

Rusthall Common; Hawkhurst, &c.

Rusthall Common; pond at Rams-lye; Heathfield; Burwash; Bram-

bletye near Forest Row, &c., fre-

BULBOCHETE

setigera May. (Conf. vivipara, E.B. t. 2086. and Dillw. t. 59.)

Bulbochæte.

TunbridgeWells Common; in a pond between Ramslye Rocks and Broadwater Forest; Piltdown Common, and in a pool by the road side at Goudhurst.

CLADOPHORA, Kütz.

glomerata (Conf. E.B. t. 2192.) Cladophora.

Mayfield, &c., but not common immediately in the neighbourhood of Tunbridge Wells. In the water-fall at Hill Park, Westerham; and at Shoreham near Sevenoaks, in abundance.

In pools, ponds, ditches, &c., frequent. Conf. crispata is the state and Conf. crispata Dillw. t. 93. and E.B. t. 2350, Microspora, Hass. Ann. of this species before the articulations are inflated and the spores formed.

Fam. 7. Protonemeæ.

ROTONEMA

fracta

Protonema.

velutinum, Ag. (Conf. velutinum, Dillw. t. 77. but not C, velutinum, E.B. which is

(Conf. Dillw. t. 14. & E.B t. 2338.

vol. 11. p. 863.)

young Polytrichum aloides.) Orthotrichi (Conf. Dillw. t. 89.

Conf. muscicola, E.B. t. 1683.)

muscicola (Conf. castanea, Dillw. t. 27. and E.B. t. 1701.)

Rotherfield and elsewhere, on banks in damp shady situations.

On the leaves of various Orthotricha, particularly O. Lyellii and O. striatum.

On stones by a stream at Wadhurst; on the sand rocks among mosses and elsewhere in shady places,

2 B

### CRYPTOGAMIA .- ALGA.

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### Fam. 8. Lyngbyaceæ. (1)

LYNGBYA

muralis (Conf. E.B. t. 1554. & Dillw. t. 7.)

(Sphæroplea Berk. Glean. Alg. t. 3. f. 1.)

floccosa (C. fugacissima, Dillw. Supt. t. B.)

punctata (Sph. punctata, Berk. Glean, Br. Alg.)

vermicularis (Sph. Hass. Ann. vol. 11. p. 436.) Lyngbya.

Bank on the Frant road, and elsewhere on banks, damp walls, &c.

In streams, pools, &c., common.

In streams, ditches, pools, &c., com-

Bogs at Fisher's Castle.

On Rusthall Common, and in boggy pools, &c. on Waterdown Forest and Ashdown Forest.

### Fam. 9. Oscillatoriea.

SCYTONEMA

myochrous (Conf. E.B. t. 1555.)

turfosum (E.B. Supt. t. 2826.)

MICROCOLEUS

repens (Conf. vaginata, E.B. t. 1995.)

OSCILLATORIA

tenuis (Conf. Dillw. t. 20.)

\* decorticans (Conf. Dillw. t. 26. & Fl. Ton.)

\* nigra (Conf. fontinalis, Dillw. t. 64. & Fl. Ton.)

autumnalis, Harv.

Scytonema.

Crowborough Warren, and in Pressbridge Warren near Wych Cross.

Crowborough Warren. W. Borrer, Esq.

Microcoleus.

Cross in Hand; on the Lew, and one Grove Hill, Tunbridge Wells.

Oscillatoria.

Between Tunbridge Wells and thee High Rocks, and elsewhere in muddy ditches, and in dirty stagnant water.

[On damp walls and stones. Forster.]

[On stones in rivers and springs...
) Forster.]

On rocks on Tunbridge Wells Common, &c.

Aut., Win.

<sup>(1)</sup> Mr. Hassall having kindly assisted me in this portion of my list, I have followed his arrangement, although I am inclined to think the proper place of the true Lynbyaceæ to be among the Oscillatorieæ and the Sphæropleæ of Berkeley, to form probably a distinct genus. For the same reason I adopted Mr. Hassall's generic name Vesiculifera among the Cystospermeæ, notwithstanding the objectionable construction of the word and the prior claim of Bory's name, Tiresias.

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Fam. 10. Rivulariæ.

GLOIOTRICHIA, J. Agardh

angulosa (Ag. Alg. Medit. p. 8. Rivularia, Ag. Harv. Man.—Ulva pruniformis, E.B. t. 968.) Gloiotrichia.

On the stems of aquatic plants in a pond on the common, east of the Lewes and Burwash road, near Easton's Green. W. Borrer, Esq.

### Fam. 11. Nostochineæ.

ANABAINA

licheniformis (Sphærozyga, Ag.—Endlich.)

spiralis June. (Trichormus spiralis Allman Ann. vol. 11, p. 161.)

Nostoc

commune Autumn. (Tremella Nostoc, E.B. t. 461.) Anabaina.

Bishop's Down Grove, and elsewhere on the ground in damp shady places, not common.

In a pool by the road side between Mayfield and Rotherfield, and in a pond on Still Green, and elsewhere in pools and ponds, not common.

Nostoc.

On the ground, very common.

Fam. 12. Ulvaceæ.

ULVA

erispa (E. B. t. 2754.)

ENTEROMORPHA

intestinalis (E. B. t, 2756.)

TETRASFORA

lubrica (E. B. t. 2825.)

PALMELLA

cruenta (E.B. t. 1800.)

protuberans (Ulva, E.B. t. 2583.)

hyalina (Grev. Crypt. Scot. t. 247.)

Grevillei (Berk. Glean. Alg. t. 5, f. 1.)

HEMATOCOCCUS

granosus (Pal. granosa, Berk, Glean, Alg. t. 5. f. 5.) Ulva.

On damp shaded walls; on the ground, &c., frequent.

Enteromorpha.

In ditches at Tunbridge, not common.

Tetraspora.

Piltdown Common; Cold Bath; Lower Green; in springs, pools, watercourses, &c., very common.

Palmella.

On damp walls near the ground at Mayfield, and elsewhere, frequent.

Onrocks at Uckfield; Eridge Rocks; High Rocks; Harrison's Rocks, and on the ground at Crowborough Warren.

In ditches at Tunbridge; bogs at Fisher's Castle, &c.

On banks in shady moist places, common.

Hæmatococcus.

Broadwater Forest.

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MERISMOPEDIA (1)

punctata, Meyen (Kütz. Phycol. Generæl, p. 163. Gonium tranquillum, Ehrenb. Inf. t. 3. f. 3.) Merismopedia.

Ashdown Forest; Cold Bath Spring, &c.

Fam. 13. DESMIDIEÆ. (2)

DESMIDIUM

Swartzii, Ag. (Grev. Scot. Crypt. t. 292.—Br. Fl. Harv. Man.—Ralfs Ann. vol. 11. t. 8, f. 3.)

DIDYMOPRIUM, Kütz.

Borreri (Des. Ralfs Ann. vol. 11. t. 8. f. 4.)

GLÆOPRIUM, (Berk. MSS.)

dissiliens
(Conf. dissiliens, E.B. t. 2464.
not Conf. dissiliens, Dillw.
nor Br. Fl. nor Harv, Man.
Des. mucosum, Ann. vol.11.t.8,f.2.)

mucosum (Conf. mucosa, Dillw. Syn. t. B. Br. Fl. and Harv. Man.)

SCHISTOCHILIUM, Ralfs MSS.

unidentatum (Odontella? unidenata, Ehrenb.) excavatum, Ralfs MSS.

STAURASTRUM, Meyen

orbiculare (Des. Ehrenb. Inf. t. 10. f. 9.) mucronatum, Ralfs MSS. Desmidium.

Near Mark Cross, Rotherfield. W. Borrer, Esq. Rusthall Common, and in a pond between Ramslye Rocks and Broadwater Forest.

Didymoprium.

On Ashdown Forest near Duddle's Well, and in the great bog near Forest Row.

Glæoprium.

Cold Bath Spring, and in pools, &c., on the forests and commons, very frequent. In May 1843, it was in the greatest abundance on Waterdown Forest, filling a ditch for several yards.

Bogs at Fisher's Castle, very abundant September, 1844.

Schistochilium.

Rotherfield, and in Jack's Wood! Spring.

In a boggy spot near Cross in Hand opposite to where the road branches to Hailsham; bogs at Fisher's Castle, and in a pond between Ramslye and Broadwater Forest.

Staurastrum.

Jack's Wood Spring; Cross in Hand, &c.

In pools and boggy places on Ashdown Forest; Piltdown Common; Fisher's Castle, and near Cross in Hand.

(1) This genus is placed in Desmidieæ by Meneghini and Kützing, but I believe it to be more correctly placed by Meyen in Ulvaceæ.

<sup>(2)</sup> I am indebted to the kindness of Mr. Ralfs for the arrangement of this Family; and I have adopted throughout the names given by him in a series of papers read before the Bot. Society of Edinburgh, and now in course of publication with figs. in the Ann. and Mag. of Nat. History.

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muricatum, Breb. (Mgh. Syn. Des. p. 226, (1) Des. apiculosum, Ehrenb.)

tricorne, Mgh. (Des. hexaceros, Ehrenb. Inf. t. 10, f. 10.)

aculeatum, Mgh. (Des. aculeatum, Ehrenb. Inf. t. 10. f. 12.)

 $\beta$  (var. with four rays)

dilatatum, Ehrenb. (Inf. 10. f. 13.)

margaritaceum, Mgh. (Pentasterias, Ehrenb. Inf. t. 10. f. 15.)

Jenneri, Ralfs MSS.

convergens. Mgh. (Arthrodesmus, Ehrenb. Inf. t. 10. f. 18.)

Incus, Mgh. (Syn. Des. p. 228.)

XANTHIDIUM, Ehrenb.

furcatum (Ralfs Ann. vol. 14. t. 12. f. 1. Ehrenb. Inf. t. 10. f. 25.)

aculeatum (Ralfs Ann. vol. 14, t. 12, f. 2, Ehrenb. Inf. t. 10, f. 23.)

faciculatum (Ralfs Ann. vol. 14. t. 12. f. 3. Ehrenb. Inf. t. 10. f. 24.)

COSMARIUM

margaritiferum (Ralfs Ann. vol. 14. p. 393, t. 11. f. 4. Euastrum, Ehrenb. Inf. t. 12. f. 7.)

ornatum, Ralfs MSS. (Ralfs Ann. vol. 14. p. 392. t. 11. f. 3.)

Botrytis, Mgh. (Ralfs Ann. vol. 14. p. 393, t. 11. f. 5. Euastrum, Ehrenb. Inf. t. 12. f. 8.) English Name, Localities, and other remarks.

Wet places at Mayfield; Piltdown Common, and Heathfield.

In pools and boggy places on Piltdown Common, Ashdown Forest, Rusthall Common, and in a wet place between Mayfield and Hadlow Down.

In a boggy place near Cross in Hand opposite to where the road branches to Hailsham.

Piltdown Common.

Rusthall Common.

Ashdown Forest.

In a wet place near the Five Ashes, between Mayfield and Hadlow Down.

Rusthall Common.

In a boggy spot near Cross in Hand, where S. aculeatum grows, and in the bogs at Fisher's Castle.

Xanthidium.

Rusthall Common; Ashdown Forest; Piltdown Common; near Cross in Hand, and in the bogs at Fishers's Castle, &c.

Ashdown Forest, and near Cross in Hand.

In the pond between Ramslye and Broadwater Forest.

Cosmarium.

Rusthall Common; Waterdown Forest; Mayfield; bogs at Fisher's Castle; Jack's Wood Spring; Ashdown Forest; &c. A common, and very variable species.

Ashdown Forest, near Duddleswell.

Cold Bath Spring; Waterdown Forest, &c.

<sup>(1)</sup> Meneghini's Synopsis Desmidiearum.

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crenatum, Ralfs MSS. (Ralfs Ann. vol. 14. p. 394. t. 11. f. 6.)

quadratum, Ralfs MSS. (Ralfs Ann. vol. 14. p. 395. t. 11. f. 9.)

ovale, Ralfs MSS. (Ralfs Ann. vol. 14. p. 394, t. 11. f. 7.)

Cucumis, Corda
(Ralfs Ann. vol. 14. p. 395. t. 11. f. 8.
Euastrum, integerrinum, Ehrenb.
Inf. t. 12. f. 9.)

Cucurbita, Breb.

CLOSTERIUM, Ehrenb.

Lunula (Ehrenb. Inf. t. 5. f. 15.)

moniliferum (Ehrenb. Inf. t, 5. f. 16.)

acerosum (Ehrenb, Inf. t. 6. f. 1.)

(Ehrenb. Inf.'t. 6. f. 5.)

turgidum (Ehrenb. Inf. t. 6. f. 7.)

striolatum (Ehrenb. Inf. t. 6, f. 12.)

lineatum (Ehrenb. Inf. t. 6. f. 8.)

rostratum (Ehrenb. Inf. t. 6. f. 10.)

Acus, Nitzsch. (Kütz. Synop. Diatom. f. 81.)

setaceum (Ehrenb. Inf. t. 6. f. 11.)

Digitus (Ehrenb. Inf. t. 7. f. 3.)

Trabecula (Ehrenb. Inf. t. 6. f. 2.)

margaritaceum (Ehrenb. Inf. t. 6. f. 13.) Mayfield; bogs at Fisher's Castle; Piltdown Common, &c.

Rusthall Common.

In a pond between Ramslye and Broadwater Forest.

Bogs at Fisher's Castle; Mayfield; Rusthall Common, &c.

Ashdown Forest, with C. ornatum.

Closterium.

Rusthall Common; Waterdown Forest; Ashdown Forest; Colebrook Park, &c.

Framfield, &c.

Warbleton, &c.

Piltdown Common.

Bogs at Fisher's Castle; Warbleton; WaterdownForest; Piltdown Common, and Ashdown Forest.

Waterdown Forest; Piltdown Common; Ashdown Forest; Warbleton; near East Grinstead, &c.

Ashdown Forest.

Heathfield; Warbleton; Waterdown; Forest, &c.

Ashdown Forest; Heathfield, &c.

Waterdown Forest, and near Cross in Hand.

Bogs at Fisher's Castle; Ashdown ; Forest; Scrubbs, Colebrook Park; Waterdown Forest, &c.

Rusthall Common; Piltdown Common; Scrubbs, Colebrook Park; and between Heathfield and Warbleton.

Piltdown Common; Warbleton; and in the pond between Ramslye and Broadwater Forest.

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TETMEMORUS, Ralfs MSS. (1)

Brebissonii (Ralfs Ann. vol. 14. p. 257. t. 8. f. 1.)

granulatus (Ralfs Ann. vol. 14. p. 257. t. 8. f. 2.)

EUASTRUM, Ehrenb.

verrucosum (Ralfs Ann. vol. 14. p. 189. t. 6. f. 3. Cosmarium, Mgh.)

oblongum (2) (Ralfs Ann. vol. 14. p. 189. t. 6. f. 4. Eutomia, Harv. Br. Alg.)

(Ralfs Ann. vol 14. p. 190. t. 7. f. 2. Cosmarium, Corda.)

Didelta (3) (Ralfs Ann. vol. 14. p. 190. t. 7. f. 2.)

gemmatum (Ralfs Ann. vol. 14. p. 191. t. 7. f. 4, Cosmarium, Mgh.)

spinosum (Ralfs Ann. vol.14. p. 192. t. 7. f. 7.)

(Ralfs Ann. vol. 14. p. 193. t. 7. f. 7. Cosmarium, Mgh.)

MICRASTERIAS, Ag.

rotata (Ralfs Ann. vol. 14. p. 259. t. 6. f. 1. Eutomia, Harv. Euastrum Rota, Ehrenb.) Ashdown Forest, &c.

? oscitans, Ralfs MSS.

PEDIASTRUM, Meyen (4)

Boryanum (Ralfs Ann. vol. I4. t. 12, f. 7. Micras. Boryana, Ehrenb.Inf.t.11.f.5.) English Name, Localities, and other remarks.

Tetmemorus.

Bogs at Fisher's Castle; Waterdown Forest; Piltdown Common; Cross in Hand, &c.

Bogs at Fisher's Castle; Scrubbs, Colebrook Park; Waterdown Forest; Ashdown Forest, and Cross in Hand.

Euastrum.

Rusthall Common, and Ashdown Forest.

Bogs at Fisher's Castle; Rusthall Common; Warbleton, &c.

Bogs at Fisher's Castle, and on Ashdown Forest.

Piltdown Common; Ashdown For-est; bogs at Fisher's Castle; Cross in Hand; Waterdown Forest, &c.

Scrubbs, Colebrook Park, and on Ashdown Forest in the great bog near Forest Row.

Mayfield; Rusthall Common, and Piltdown Common.

Mayfield; Piltdown Common; bog near Cross in Hand, &c.

Micrasterias.

Bogs at Fisher's Castle; Waterdown Forest; Scrubbs, Colebrook Park,

On Ashdown Forest, near Duddleswell.

Pediastrum.

Brambletye, near Forest Row; Tunbridge Wells, &c.

(1) Closterium, Menegh.

(2) Euastrum Pecten. Ehrenb. Cosmarium, Menegh.

(3) Euastrum ansatum, Ehrenb. Cosmarium, Menegh.

(4) Micrasterias, Ehrenb.

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Scenedesmus, Meyen.

Scenedesmus.

quadricaudatus, Breb. (Arthrodesmus, Ehrenb. Inf. t. 10. f. 16.)

Brambletye; bog near Cross in Hand, &c.

(S. Leibeinii, Kütz. Synop. Diatom. f. 98.) Near Cross in Hand, &c.

Tribe 2. DIATOMACE E. (1)

MELOSEIRA (2)

Meloseira.

varians, Ag. (Ralfs Ann. vol. 12, p. 350, t, 9, f. 5.)

Waterfall, Harrison's Rocks; in a spring between Tunbridge Wells and the High Rocks; Hill Park, Westerham, and at Otford and Shoreham near Sevenoaks.

arenaria, Moore (Ralfs Ann. vol. 12. p. 349. t. 9. f. 4.)

On Conf. glomerata in the Waterfall at Hill Park Westerham, and in the river Darent at Shoreham near Sevenoaks.

ochracea (Ralfs Ann. vol. 12. p. 351.) In the Folly behind the Sussex Hotel and elsewhere, common.

ACHNANTHES

Achnanthes.

minutissima, Kutz. (Ralfs Ann. vol. 13, p. 492, t. 14, f. 11.)

On Conf. glomerata and other Algae at the waterfall, Harrison's Rocks; waterfall at Hill Park near Westerham, and at Otford and Shoreham, and elsewhere near Sevenoaks.

TABELLARIA, Ehrenb.

Tabellaria.

flocculosa (3)
(Ralfs Ann. vol. 11. p. 453. t. 9. f. 3.
Diatoma, Ag. Hook. & Harv.
Conf. Dillw. t. 28. upper fig.
E.B. t. 1761.)

Cold Bath Spring; Jack's Wood Spring; Still Green; Ashdown Forest; Piltdown Common; Bogs at Fisher's Castle; Broadwater and Waterdown Forests; Eridge Park, &c.

fenestrata (Ralfs Ann. vol. 11. p. 453. t. 9. f. 4. Diatoma, Lyngb. Hook. & Harv.) Lower Green, and on the Scrubbs, Colebrooke Park,

(2) Gallionella, Ehrenb.

<sup>(1)</sup> A series of papers, by Mr. Ralfs, containing most accurate descriptions of these plants are published in the Ann. & Mag. of Nat. History, vol. 11. & seq.; and it is with much pleasure that I here acknowledge the kindness of that gentlemen for his assistance in the arrangement of this Tribe.

<sup>(3)</sup> In Dillwyn's plate refered to under this species, I cannot speak positively of the lower figures, but I think C. must have been made from frustules of D. vulgare in a peculiar position, and D. appears to me like Cocconies Placentula, Ehrenb. Diatoma Turneri, Fl. Tonb. Supt. p. 42. I regard as an older state of this species with less colouring matter, especially in the central canal.

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### DIATOMA (1)

vulgare, Bory. (Ralfs Ann. vol. 11. p. 450. t. 8. f. 8. D. tenue, Berk. Hook. & Harv.)

(Ralfs Ann. vol. 11. p. 451, t. 9. f. 1. D. elongatum, Berk. Hook, and Harv.)

#### FRAGILARIA

virescens (Ralfs Ann. vol. 12. p. 110. t. 2. f. 6. F. pectinalis, Ehrenb.)

rhabdosoma, Ehrenb. (Ralfs Ann. vol. 12. p. 108. t. 2. f. 4.)

pectinalis, Lyngb. (Ralfs Ann. vol. 12. p. 107. t. 2, f. 3. Conf. E.B. t. 1611.)

β var. undulata
(Ralfs Ann. vol. . 12. p. 108.
t. 2. f. 3. d.)

EUNOTIA, Ehrenb.

unodon, Ehrenb. (Ralfs Ann. vol. 13, p. 459, t. 14, f. 1.)

diodon, Ehrenb. (Ralfs Ann. vol. 13. p. 460. t. 14. f. 2.) triodon, Ehrenb.

(Ralfs Ann. vol. 13. p, 461, t. 13. f. 3.)

FRUSTULIA (2)

viridis, Ehrenb. (Pritch. t. 3. f. 133 to 186.)

#### Diatoma.

Hamsell; waterfall at Harrison's Rocks; Hill Park near Westerham, and at Otford, Shoreham, and elsewhere near Sevenoaks.

Hamsell; Eridge Park; Wadhurst, and at the waterfall at Harrison's Rocks.

### Fragilaria.

Cold Bath Spring; Broadwater Forest; Lower Green; Rotherfield, and Piltdown Common.

In a pond between Tunbridge Wells Common and the Hurst Wood; Still Green, and at Shoreham, Kent.

In the forest pools, ditches, springs &c., very common. A remarkable state of this occurs in Jack's Wood Spring—within the frustule there is apparently another rounded or nearly elliptic frustule, having striæ like the outer one. This state is given in the Ann. vol. 12. t. 2. f. 3. lower a. and upper b.

Scrubbs, Colebrook Park.

#### Eunotia.

Piltdown Common, and on Ashdown Forest in the great bog near Forest Row.

Piltdown Common.

Cold Bath Spring.

#### Frustulia.

Ashdown Forest; Piltdown Common; bog at Fisher's Castle, &c.; Cold Bath Spring, &c.

(1) Baccillaria, Ehrenb.

<sup>(2)</sup> The Frustulia of Kützing (Navicula of Ehrenbergh) contains several distinct genera, but the plan of this list will not permit me to enter upon the subject. Kützing's forthcoming work, will probably clear up much of the confusion which at present exists. I have added the names of a few only. Several others are found in the district, but I cannot publish them, as I am unable to satisfy myself with correct references.

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nodosa? Ehrenb.

(Pritch. t. 3. f. 140.)

gibba, Ehrenb.

librilis? Ehrenb. (quinquepunctata, Kütz.)

obtusa, Berk. (Glean. Br. Alg. t. 4. f. 2.)

pellucida, Ehrenb. (Pritch, t. 3. f. 140.)

gracilis, Ehrenb.

Hippocampus, Ehrenb. (Pritch. t. f. 145.)

sigmoidea, Ehrenb. (Pritch. t. f. 148.)

SURIRELLA (1) biseriata

bifrons

EXILARIA Grev. (2)

fasciculata, Kütz. (Diatoma truncatum, Hook. Exilaria truncata, Harv.)

Ulna (Frustulia, Harv.)

Lunaria (Ehrenb. Inf. t. 17. f. 15.) On Ashdown Forest, in the great bog near Forest Row. This plant is striated. Ehrenbergh describes his as without striæ-they agree in other respects.

Ashdown Forest; Jack's Wood Spring, &c.

Warbleton, &c. This does not exactly agree with Pritchard's fig. 155.t.3. The length of the contraction of the lateral surface is not so great, and it is more gradually acuminated to the point, the wides part being about the middle from the centre of the contraction.

Bogs at Fisher's Castle and Colebrook Park.

Ashdown Forest, and at Shoreham, Kent.

In the great bog near Forest Row bogs at Fisher's Castle, &c.

Otford and Shoreham, Kent.

Otford and Shoreham, Kent.

Surirella.

Ashdown Forest; Piltdown Com mon; Broadwater Forest, and Warbleton.

Warbleton.

Exilaria.

In the stream between Tunbridge Wells and the High Rocks; May field; between Pembury and Lam berhurst, and elsewhere in stream watercourses, &c.

In the watercourse by the road side between Broomhill and Speldhurst; Cold Bath Spring; Offorcand Shoreham, Kent, and else where, common.

Cold Bath Spring; in a well by the roadside at Lamberhurst Quarter and at Goudhurst.

<sup>(1)</sup> Navicula, Ehrenbergh.

<sup>(2)</sup> Synedra, Ehrenbergh.

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#### MERIDION

circulare, Ag. (Ralfs Ann. vol. 12, p. 457, t. 18, f. 1)

constrictum. Ralfs (Ralfs Ann. vol. 12. p. 458. t. 18. f. 2.)

#### GOMPHONEMA

pohliæforme, Kütz. (Ralfs Ann. vol. 12. p. 461. t. 18. f. 4. G. truncatum, Ehrenb. & Pritch.)

minutum, Ag. (Ralfs Ann. vol. 12. p. 462. t. 18. f. 5.)

cristatum, Ralfs (Ralfs Ann. vol. 12. p. 463. t. 18. f. 6.)

Berkeleii, Grev. (1) (Ralfs Ann. vol. 12. p. 464. t. 18. f. 8.)

minutissimum, Grev. (Ralf's Ann. vol. 12. p. 465. t. 18. f. 9.)

### COCCONEMA, Ehrenb.

lanceolatum

Cistula

gibbum

ENCYONEMA, Kütz.

prostratum, Kütz, (2) (Die Kieselschaligen, &c. p. 82. t. 25. f. 7. E. paradoxum, Kütz. Synop. Diat.

#### Meridion.

Tunbridge Wells. W. Borrer. Esq. Mayfield, and at Otford and Shoreham, Kent.

Cold Bath Spring, growing on Fragilaria virescens.

#### Gomphonema.

Waterfall at Harrison's Rocks; in a spring between Tunbridge Wells and the High Rocks; Mayfield; between Broomden and Speldhurst; in the waterfall at Hill Park, Westerham; and at Shoreham, Kent.

Waterfall at Harrison's Rocks; and sparingly in a spring between Tunbridge Wells Common and the High Rocks, growing with G. minutissimum.

Shoreham, Kent. First discovered December, 1842.

Mayfield, and near the Sheffield Arms, Fletching,

Waterfall at Harrison's Rocks; between Tunbridge Wells Common and the High Rocks; Hill Park, Westerham, and at Shoreham, Kent.

#### Cocconema.

Waterfall at Hill Park, Westerham, and at Shoreham, Kent.

Hurstgreen; waterfall at Harrison's Rocks, and at Hill Park, Westerham.

Waterfall at Harrison's Rocks.

#### Encyonema.

Brambletye, near Forest Row, and in the stream that parts Sussex and Kent, between Bodiam and Sandhurst.

<sup>(1)</sup> Exilaria minutissima, Berk. Br. Algæ, t. 7. f. 1.

<sup>(2)</sup> Monema, Berk. Br. Algæ, t. 4. f. 3. Schizonema, Hook. and Harv.

### CRYPTOGAMIA.-ALGE.

Genera and Species. Nat. Order. Time of Mat. English Name, Localities, and other remarks.

Tribe 3. Byssoider (1)

LEPTOMITUS

lacteus (Conf. Dillw. t. 79.)

BYSSOCLADIUM

fenestrale (Conf. Dillw. t. 94.)

MYCINEMA

rubiginosum (Conf. Dillw. t. 68.) phosphorea

CHROOLEPUS

aureus (Conf. Dillw. t. 35. Byssus, E. B. t. 212.) Jolithus, Harv.

ebenea (Conf. Dillw. t. 101. Byssus nigra, E. B. t. 702.)

Arnottii, Harv.

Leptomitus.

In the watercourse by the road side near Hollamby's Nursery on the Eridge Road.

Byssocladium.

On window glass, on which it forms dirty white spots.

Mycinema.

On an old tree at Harrison's Rocks, growing with Clad. delicata.

On rotten wood in Eridge Park and elsewhere, not common.

Chroolepus.

On the sand rocks and elsewhere, common.

On rocks, stones, trees, &c., com-

On the High Rocks, Eridge Rocks, Harrison's Rocks, &c.

On the roots of yew trees at Penn'ss Rocks. W. Borrer, Esq.

<sup>(1)</sup> This tribe appears to be a connecting link between the Algæ and the Fungi.

#### CRYPTOGAMIA .- FUNGI.

Genera and Species.

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

Order 7. FUNGI. (1)

Suborder 1. HYMENOMYCETES.

Tribe 1. Pileati.

Series 1. Leucosporus.

Subgenus 1. Amanita.

AGARICUS

Agaric.

phalloides Aug.—Nov. On the High Rocks, and elsewhere, not common.

Subgenus 2. Lepiota.

procerus July-Oct. In woods and hedges. (Sow. t. 190, Fl. Ton. p. 167.)

clypeolarius Oct., Nov. In woods near the High Rocks, and

(Sow. t. 14. Fl. Ton. p. 170.) elsewhere.

Meleagris May-Oct. On warm dunghills, not common.

(Sow. t. 171.)

Subgenus 4. Limacium.

Cossus October, On Harrison's Rocks. (Sow. t. 121. Fl. Ton. p. 171.)

Subgenus 5. Tricholoma.

sejunctus Autumn. In the woods at Bayham Abbey. (Sow. 126. Fl. Ton. p. 171.)

personatus Oct.—Jan. In woods at Bayham Abbey, and (A. violaceus, Sow. t. 209. Fl. Ton. p. 170.) elsewhere.

Subgenus 6. Russula.

emeticus July—Dec. In woods, not common. (A. integer, Sow. t. 201. Fl. Ton. p. 169.)

adustus,  $\beta$  elephantinus Sept., Oct. In the woods at Bayham Abbey. (Sow. t. 36. Fl. Ton. 168.)

<sup>(1)</sup> I have no doubt this district would afford a rich field to an enlightened student of this order; but I am so little acquainted with the plants comprising it, that, excepting the epiphytes and the few instances noted otherwise, my list and habitats are copied from Forster's Flora Tonbrigensis, with the names and arrangement adopted by Berkeley in Hooker's British Flora, vol. 2. part 2.

For the convenience of reference, I have also numbered and named the Tribes after Mr. Berkeley, omitting those of which no examples appear in my list.

#### CRYPTOGAMIA .- FUNGI.

Genera and Species. Nat. Order. | Time of Mat. English Name, Localities, and other remarks.

Subgenus 7. Gallorpheus.

torminosus June-Oct. (Sow. t. 103. Fl. Ton. p, 175.)

On Rusthall Common, and elsewhere.

zonarius Aug.—Oct. (Sow. t. 203. Fl. Ton. p. 169.)

In the woods at Bayham Abbey and elsewhere.

deliciosus Sept., Oct. (Sow. t. 202. Fl. Ton. p. 169.)

In Bayham Abbey woods.

subdulcis Sept., Oct In the we (A. lactifluus, Sow. t. 204. Fl. Ton.p.199.) and els

In the woods at Bayham Abbey, and elsewhere.

plumbeus Autumn. (A. Listeri, Sow. t. 245. In woods, not very common.

A. piperatus, Fl. Ton. p. 167.)

Subgenus 8. Clitocybe.

flaccidus September. On the High Rocks. (Sow. t. 185. Fl. Ton. 172.)

infundibuliformis, β major Aug.—Oct. In the woods at Bayham Abbey.
(A. pileolarius, Sow. t. 61. Fl. Ton. p.168.)

giganteus September, In woods. (Sow. t. 244, Fl. Ton. p. 176.)

cerussatus Sept.—April. In woods, not common. (A. opacus, Sow, t. 142. Fl. Ton. p. 167.)

inornatus On old trees. (Sow. t. 342. Fl. Ton. p. 177.)

virgineus Sept.—Nov. On heaths, not common. (Sow. t. 32. Fl. Ton. p, 167.)

psittacinus Sept.—Nov. Very frequent o commons nea

ceraceus July-Nov. (Sow. t. 20. Fl. Ton. p. 171.)

Very frequent on grass; on all the commons near Tunbridge Well

Ton. p. 171.) and elsewhere.

Sept., Nov. In woods, and on heaths.

(Sow. t. 381.(right-hand fig.) Fl. Ton.p.167.)

coccineus Sept., Oct. Frequent on Tunbridge Wells Common.

laccatus June—Nov. In woods at Bayham Abbey, and (A. farinaceus, Sow. t. 208. Fl.Ton.p.170.) elsewhere.

β amethystinus June—Nov. Harrison's Rocks.

(Sow. t. 187. Fl. Ton. p. 172.)

velutipes The whole year. On Tunbridge Wells Common, and in abundance in the lane from Speldhurst Church to Pounds bridge.

fusipes July, Aug. On heaths, and in woods. (A. crassipes. Sow. t. 129. Fl. Ton. p. 171.)

#### CRYPTOGAMIA .- FUNGI.

Genera and Species.

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

maculatus (A. carnosus, Sow. t. 246. Fl.Ton.p.175.)

In woods near Langton Green, and elsewhere.

Oct., Nov. compressus

In fir woods.

(Sow. t. 66. Fl. Ton. p. 168.)

May-Oct. dryophilus (A. dryophyllus, Sow. t. 127. Fl. Ton. p. 171.)

(Champignon.) In woods and on heaths, not uncommon.

personatus July-Nov. (Sow. t. 37. Fl. Ton. p. 168.)

In woods under beech trees.

In woods and meadows, very com-May-Nov. (A. pratensis, Sow. t. 247. Fl. Ton.p.174.)

Sept.-Nov. porreus (A. alliaceus, Sow. t. 81. Fl. Ton. p. 169.)

In woods, common on oak leaves.

### Subgenus 9. Collybia.

Oct., Nov. tenacellus (A. spinipes, Sow. t, 206. Fl. Ton. p. 169.)

In the woods at Bayham Abbey, and elsewhere.

Aug., Oct. parasiticus (Sow, t. 343. Fl. Ton. p. 177.)

On trees.

The whole year. androsaceus

On oak leaves, very common.

(Sow, t. 94. Fl. Ton. p. 173.)

In dry woods, not uncommon,

caulicinalis Aug., Sept. (Sow. t. 163. (1) Fl. Ton. p. 172.)

Not very common. On rotten sticks in the plantations at Eridge, Oct. 1840. E. J.

Aug.-Oct. (Merulius fœtidus, Sow. t. 21. Fl. Ton. p. 178.)

On dead ivy leaves, not uncommon.

Sept.-Dec. epiphyllus (A. squamula, Sow. t. 93. Fl. Ton. p. 173.)

On holly leaves in the hedges by the road side, at Maresfield, November, 1844. E. J.

Winter. Hudsoni (A. pilosus, Sow. t. 164.)

On willow trees, very common.

galericulatus Autumn. (Sow. t. 165. Fl. Ton. p. 173.)

Woods, especially on hazel stumps.

polygrammus Sept.—Dec. (Sow. t. 222. Fl. Ton. p. 170.)

On Harrison's Rocks. strobilinus (A. coccineus, Sow. t. 197. Fl. Ton. p. 169.)

June-Nov.

In Bayham Abbey Woods.

(A. roseus, Sow. t. 72. Fl. Ton. p. 168.) epipterygius Aug.-Nov.

(A. nutans, Sow. t. 92. Fl. Ton. p. 174.)

On the stalks of the common Fern or Brakes, (Pteris aquilina,) not uncommon.

<sup>(</sup>I) Berkely does not refer to Sowerby's plate, but refers to Bull. t. 522. f. 1., which Sowerby also quotes.

Genera and Species Nat. Order. Time of Mat.

English Name, Localities, and other remarks.

horizontalis October. (Sow. t. 341. Fl. Ton. p. 176.)

On old trees.

Subgenus 11. Omphalia.

stellatus Feb.—Oct. (A. buccinalis, Sow. t. 107. Fl. Ton. p. 177.)

In damp places among grass, not common.

pyxidatus November. On Tunbridge Wells Common, and (A. turfosus, Sow. t. 110. Fl. Ton. p. 170.) elsewhere.

uralis Autumn. On old walls, not uncommon. (Sow. t. 322. Fl. Ton. p. 176.)

fragrans Aug.—Oct. (Sow, t. 10. Fl. Ton. p. 170.)

In woods at the High Rocks, and elsewhere, not uncommon.

cyathiformis Oct.—Jan. (A. sordidus, Sow. t. 363, Fl. Ton. p. 171.)

In the wood on the left hand of Langton Green, and elsewhere.

lepideus (β only) May, June. In woods, not uncommon. (A. tubæformis, Sow. t. 382. Fl. Ton. p.177.)

# Subgenus 12. Pleuropus.

ostreatus Aut.—Spr. (Sow, t. 241, Fl. Ton. p. 174.)

On decayed trees; on birch trees in Somerhill Park, near the house, and elsewhere.

vulpinus (Sow. t. 361. Fl. Ton. p. 177.) On trees.

ulmarius Sept.—Dec, (Sow. t. 67. Fl. Ton. p. 168.)

On the roots of old elm trees.

palmatus Oct., Nov. (Sow. t. 62. Fl. Ton, p. 168.)

On dead wood, not uncommon.

stypticus Oct.—April.

On the stumps of old trees, not uncommon.

(A. flabelliformis, Sow. t. 109. Fl. Ton. p. 175.)

In the woods near Langton Green.

(Sow. t. 242. Fl. Ton. p. 176.)
Series 3. Cortinaria.

# Derres of Continuous

Subgenus 17. Telamonia.

Aug.-Dec.

gentilis Sept.—Nov. In the woods at Bayham Abbey among the fir trees.

Fl. Ton. p. 173.)

bulbosus (Sow. t. 130. Fl. Ton. p. 178.)

tremulus

In Bayham Woods.

Subgenus 18. Inoloma.

glaucopus Autumn. In woods. (Sow. t. 223, Fl. Ton. p. 170.)

Genera and Species.

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

Subgenus 19. Dermocybe.

cinnamomeus Autumn. (Sow. t. 205. Fl. Ton. 169.) In the woods at Bayham Abbey, and elsewhere.

Series 4. Derminus.

Subgenus 20. Pholiota.

squarrosus Aug.—Dec. On trees. Knole Park. Miss Dil-(A. floccosus, Sow.t.284. Fl. Ton.p.175.) wyns.

Subgenus 22. Hebeloma.

fastibilis July-Oct. In woods, not uncommon,
(A. graveolens, Sow. t. 281.
Fl. Ton. p. 176.)

Subgenus 23. Flammula.

sapineus
β hybridus
(A. hybridus, Sow. t. 221.
Fl. Ton. p. 170.)

In woods. (A. flavidus, Sow. t. 336. Fl. Ton. p. 171. is also, according to Fries in his Ind. Alph. a variety of this species. Berk.)

Subgenus 24. Inocybe.

pyriodorus Sept., Oct. In woods near Langton Green. (A. pallidus, Sow.t.365. Fl.Ton.p.172.)

rimosus June—Sept. On heaths, not uncommon. (Sow. t. 323. Fl. Ton. p. 176.)

geophyllus July—Nov. In woods, not uncommon. (Sow. t. 124. Fl. Ton. p. 171.)

Subgenus 25. Naucoria.

furfuraceus The whole year. On decayed wood, not uncommon.
(A. xylophyllus, Sow. t. 167.
Fl. Ton. p. 173.)

Subgenus 26. Galera.

tener May-Nov. In meadows. (Sow. t. 33. Fl. Ton. p. 168.)

hypnorum July—Nov. Among moss, not uncommon. (A. Acicula, Sow.t.282, Fl.Ton.p.177.)

Subgenus 27. Tapinia.

involutus July-Nov. In woods on the High Rocks, and elsewhere.

F 2

Genera and Species.

Nat. Order. Time of Mat.

English Name, Localities, and other remarks.

Subgenus 28. Crepidotus.

July-Oct. (Sow. t. 98. Fl. Ton. p. 175.)

On the roots of trees.

variabilis (A. niveus, Sow. t. 97. Fl. Ton. p. 174.) On dead trees at Jordan House, an elsewhere.

Series 5. Pratella.

Subgenus 30. Psaliota.

Georgii Spr. & Aut. (Sow. t. 304. Fl. Ton. p. 167.)

On Tunbridge Wells Common.

campestris May-Oct. (Sow. t. 305. Fl. Ton. 167.)

Pastures, dunghills, &c. This is the Common Mushroom, "the mos generally used of all Agarics, and the safest."

semiglobatus May-Nov. (Sow. t. 248. (in part) Fl. Ton. p. 176. and A. virosus, Sow.t.407.f.7,8,11-14.)

In meadows, especially on hors dung. (In woods. Forster.)

æruginosus Aug.-Nov. (Sow. 264. Fl. Ton. p. 175.)

In woods; near Langton Green, and elsewhere.

Subgenus 31. Hypholoma.

fasicularis April-Nov. (Sow. t. 285. Fl. Ton. p. 166.)

On dead stumps of trees; on the High Rocks; on Rusthall Common, and elsewhere.

Subgenus 33. Psathyra.

Candollianus (1) Sept., Oct. (A. appendiculatus, Fl. Ton. p. 173.)

In woods.

gracilis Autumn. (A. Tentaculum, Sow. t. 385.

In woods, not uncommon.

Fl. Ton. p. 177.)

Subgenus 34. Corprinarius.

semiovatus (Sow. t. 131, Fl. Ton. p. 172.) In moist meadows on dung, not unal common.

Spr. & Aut. (A. striatus, Sow.t.166. Fl.Ton.p.173.)

On willow trees, not uncommon.

Subgenus 35. Coprinus.

comatus (2) April-Oct. In gardens, not uncommon. (A. cylindricus, Fl. Ton. p. 172.)

<sup>(1)</sup> Forster refers to Sow. t. 324. Berkeley states that A. appendiculatus of Sov With. & Purt. belongs either to this or A. stipatus, Pers.

<sup>(2)</sup> Forster refers to Sow. t, 189. Berkeley does not quote Sowerby.

Genera and Species Nat. Order. Time of Mat. English Name, Localities, and other remarks.

atramentarius Spr —Aut. (A. fimetarius, Sow.t.188. Fl.Ton.p.172.)

micacens May—Nov. (A. congregatus, Sow. t. 261.

Fl. Ton. p. 174.(

acetabulosus (1) (Sow. t. 303. Fl. Ton. p. 175.)

niveus Aug.—Dec. (A. stercorarius, Sow. t. 262. (small figure) Fl. Ton. p. 174.)

plicatilis Spr. & Aut, (Sow. t. 364. Fl. Ton. p. 171.)

On dunghills, very common.

On stumps of trees and old gate posts, very common.

In woods, not uncommon.

On dunghills, common.

In the woods at Langton Green, and elsewhere. Forster. On Ashdown Forest, near Crowborough Warren, among grass, Nov. 1844.

Subgenus 36. Gomphus.

glutinosus July—Nov. (Sow. t. 7. Fl. Ton. p. 170.)

rutilus (Sow. t, 105, Fl. Ton. p. 175.) On the High Rocks, and elsewhere, not uncommon.

In the woods at Bayham Abbey.

Doubtful Species.

monstrosus (2) (Sow. t. 283. Fl. Ton. p. 176.)

fuscipes (Sow, t. 344. Fl. Ton. p. 177.)

(Sow, t. 362. Fl. Ton. p. 177.)

In the wood on the Island at the Rev. S. Bale's, Withyham.

On dead trees in damp woods.

In woods, not uncommon.

CANTHARELLUS

cibarius Sum. & Aut. (Agaricus, Sow. t. 46. Fl. Ton. p. 166.)

(Helvella membranacea, Sow. t. 348. Fl. Ton. p. 182.) Cantarelle

On Rusthall Common, and elsewhere, frequent.

On moss, not uncommon.

MERULIUS

corium Winter. (Auricularia papyrina, Sow. t. 349. Fl. Ton. p. 183.) Merulius.

On decayed oak leaves, not uncommon.

lachrymans (3) The whole year. (Dry Rot.) On old timber in (Boletus, Sow. t. 113. Fl. Ton. p. 181.) houses and cellars.

- (1) Berkeley observes, that Sowerby's plant is perhaps a form of A. micaceus, "if the strongly marked spicules do not indicate a distinct species."
  - (2) I find no notice of this, nor the two following plants by Berkeley.
  - (3) Also (according to Berke.) B. arboreus, Sow. t. 346. Fl. Ton. p. 181.

Genera and Species.

Nat. Order. Time of Mat.

English Name, Localities, and other remarks.

DEDALIA

quercina

Perennial.

On oak trees, not uncommon.

Dædalia.

(Agaricus, Sow. t. 181. Fl. Ton. p. 172.) Perennial. (Agaricus, Sow. t. 182. Fl. Ton. p. 172.)

On birch trees.

Aut. & early (Boletus, Sow. t. 325. Spring. Fl. Ton. p. 180.)

On trunks of trees, not uncommon-

gibbosa September. (Boletus sinuosus, Sow. t. 194. Fl. Ton. p. 179.)

On poplar trees, not uncommon.

POLYPORUS (1)

squamosus Summer. Polyporus,

(Sow. t. 266. Fl. Ton. p. 180.)

On trees, not uncommon; remarkably fine in Somerhill Park, and near Tonbridge Town.

heteroclitus (Sow. t. 367. Fl. Ton. p. 181.) On stumps of trees, not unfrequent.

lucidus Summer. (Sow. t. 134. Fl. Ton. p. 179.)

In the woods, not common.

sulphureus Summer. (Sow. t. 135, Fl. Ton. p. 181.)

On dead trees.

hispidus Summer. (Boletus velutinus, Sow. t. 345. Fl. Ton. p. 180.)

On apple and other trees, not uncommon.

betulinus Sum. & Aut. (Sow. t. 212. Fl. Ton. 180.)

On the old fine birch trees in Buckhurst Park, and at Somerhill.

versicolor

On old wood, very common.

(Sow. t. 229. Fl. Ton. p. 179.)

On old dead elm trees, common.

ulmarius (Sow. t. 88. Fl. Ton, p. 181.)

On trees, not uncommon. It iss possible that Forster's plant may be different from Berkeley's, although they both refer to the same figure.

cytisinus? (Boletus suberosus, Sow. t. 228. Fl. Ton. p. 180.)

> In Buckhurst Park, among the trees at Withyham, & elsewhere.

radiatus (Sow. t. 196. Fl. Ton. p. 178.)

(Real Amadou.) On trees, not uncommon.

fomentarius (Sow. t. 133. Fl. Ton. p. 179.)

On trees, generally on willows, not uncommon.

igniarius (Sow. t. 132. Fl. Ton. p. 179.)

On the Great Rocks, and in the way to Harrison's Rocks.

conchatus (Boletus impuber, Sow. t. 195, Fl. Ton. p. 179.

Genera and Species.

Nat. Order. Time of Mat.

Autumn.

English Name, Localities, and other remarks.

BOLETUS

Intens (Sow. t. 265. Fl. Ton. p. 180.)

piperatus

Sum. & Aut. subtomentosus & (B. communis, Sow. t. 225. Fl. Ton. p. 179.)

Sum. & Aut. luridus (B. rubeolarius, Sow. t. 250. Fl. Ton. p. 180.)

Sum, & Aut. (Sow. t. 111. Fl. Ton. p. 178.)

Sum. & Aut. scaber (1) (Sow. t. 175.)

FISTULINA

Aug. - Oct. hepatica (Boletus hepaticus, Sow. t. 58. Fl. Ton. p. 178.)

HYDNUM

imbricatum (Sow. t. 73.)

repandum (Sow. t. 176. Fl. Ton. p. 181.)

PHLEBIA

mesenterica (Auricularia corrugata, Sow. t. 290. Fl. Ton. p. 183.)

THELEPHORA (2)

Perennial. (A. caryophyllea, Sow. t. 213. Fl. Ton. p. 182.)

Perennial. rubiginosa (A. ferruginea, Sow. t. 26. Fl. Ton. p. 182.)

October.

Perennial. (Sow. t. 25. Fl. Ton. p. 182.)

Boletus.

In the woods at Bayham Abbey, and elsewhere.

In woods.

In woods, common in Bayham Abbey Wood.

In woods at Bayham Abbey, and at Langton Green.

In the woods at Bayham Abbey.

In the woods at Bayham Abbey; on Harrison's Rocks, and the High Rocks, not unfrequent.

Fistulina.

On oak trees near the Wells.

Hydnum.

Near Maidstone. Woodward. Rare.

In woods near Woodsgate. Joseph Woods, Esq.

Phlebia.

On dead trees, very common,

On hazel, not very common.

Thelephora.

On the roots of old trees on the High Rocks, and elsewhere.

On old wood, not uncommon.

The two following recorded by Forster, I do not find noticed by Berkeley, Boletus hybridus, (Sow. t. 289. Fl. Ton. p. 180.) On decaying trees.

variegatus, (Sow. t. 368. Fl. Ton. p.181.) On stumps of trees.

(2) Auricularia, Sowerby and Forster.

<sup>(1)</sup> I suppose this to be the species called B. bovinus, Fl. Ton. p. 179.—B. aurantiacus, Sow. t. 110. Fl. Ton. 170. is also referred by Berkeley to B. scaber.

Genera and Species.

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irsuta Perennial. (A. reflexa, Sow. t. 27. Fl. Ton. p. 182.)

On decaying trees, pales, &c., very common.

purpurea Perennial.
(A. persistens, Sow. t. 388, f. 1.
Fl. Ton. p, 183.)

On old wood, common; in the yard behind Jordan House.

quercina

The whole year. On fallen branches of oak, at the High Rocks.

Tribe 2. Clavati.

CLAVARIA.

Clavaria.

stricta (C. muscoides, Sow. t. 157. Fl. Ton. p. 185.) In woods and heaths.

rugosa Aug.—Nov. (C. coralloides, Sow. t. 278, lower figures. Fl. Ton. p. 185.) On heaths, woods, and pastures; on Harrison's Rocks.

γ grisea (Berk. Brit. Fung. Fasc. 3, B. 150.) Mayfield.

inæqualis (C. vermiculata, Sow. t. 253. Fl. Ton. p. 185.) Among the grass on TunbridgeWells Common, and elsewhere.

MITRULA

Mitrula.

paludosa Sum, & Aut. (Clavaria epiphylla, Sow. t. 293, Fl. Ton. p. 184.)

On floating grass, in the stream of water in the way to Groombridge; on Waterdown Forest where the Aspidium Thelypteris is in such plenty. Forster. Not unfrequent amongst dead leaves and moss, in damp and watery places.

Tribe 3. Mitrata.

MORCHELLA

Morell.

esculenta Spr. & early Sum. Near Maidstone, in a lane be-(Helvella, Sow. t. 51, right and left hand fig.) Near Maidstone, in a lane between Sandling and Penendena Heath.

Tribe 4. Cupulati.

Series 1. Aleuria.

Subgenus 1. Megalopyxis.

PEZIZA

Peziza.

aurantia
(P. coccinea, Sow. t. 78.

[On banks. Forster.]

Thelephora cærulea, Berk. A. phosphorea, Sow. t. 350. Fl. Ton. p. 183., is Mycinema phosphorea of this list of plants.

Genera and Species.

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

Sum. & Aut. cochleata (Sow. t. 5. Fl. Ton. p. 183.)

On the bank near the Inn at the High Rocks, not uncommon. Forster.

Subgenus 2. Geopyxis.

granulata (Bull. t. 438. f. 3.) Sum. & Aut. On cow dung, very common.

Subgenus 3. Humaria.

humosa

On dead wood. Forster.

(P. cartilaginea, Sow. t. 369, f. 2. Fl. Ton. 183.)

Series 2. Lachnea.

Subgenus 5. Sarcoscypha.

Spring. coccinea (P. epidendra, Sow. t. 13.)

In hedges on sticks, frequent.

scutellata

On rotten wood, not uncommon.

(Sow. t. 24. Fl. Ton. p. 184.)

# Subgenus 6 Dasyscypha.

(P. nivea, Sow. t, 65. Fl. Ton. p. 184.)

(Sow, t. 17. Fl. Ton. p. 184.)

papillaris (Sow, t. 177. Fl. Ton. p. 184.) On sticks, &c. E.J. On rotten stumps of trees. Forster.

On dead trees. Forster. On a small stick at Eridge, 1839. E. J.

On rotten wood, not uncommon. Forster.

Series 3. Phialea.

Subgenus 10. Calycina.

(Helvella, Sow. t. 347. Fl. Ton. p. 182.)

lenticularis (P. aurea, Sow. 150. Fl. Ton. p. 184.)

ASCOBOLUS

furfuraceus (P. stercoraria, Sow. t. 18, 389, f. 3 - 6, Fl. Ton. p. 183.)

On old trees; on the timber in the yard at Jordan House, Tonbridge Wells. Forster.

On stumps of oak trees, not un-common. Forster.

Ascobolus.

On cow dung, common.

Genera and Species

Nat. Order. Time of Mat.

English Name, Localities, and other remarks.

CENANGIUM

quercinum (Sph. collapsa, Sow. t. 373, f. 3.)

STICTIS

radiata Aut. Spr. (Pez. marginata, Sow. t. 16.)

Cenangium.

On decaying branches of oak, while still attached to the tree, common. Stictis.

On wood, twigs, &c. not unfrequent.

Tribe 5. Tremellina.

TREMELLA

Tremella.

mesenterica (Eng. Bot. t. 709.)

All the year. On branches, sticks, &c., frequent.

EXIDIA

Auricula Judæ. September. (Peziza. Eng. Bot. t. 2417. Fl. Ton. p. 165.)

(Jew's Ear.) On rotten wood, not uncommon.

Exidia.

glandulosa (Eng. Bot. t. 2452.)

Aut. Win.

(Witch's Butter.) On trunks and branches of trees, frequent.

Tribe 6. Sclerotiacei.

SCLEROTIUM

complanatum (Clavaria polymorpha, Sow. t. 276. Fl. Ton. p. 185.)

(Sph. solida, Sow. t. 314. Fl. Ton. p. 189.)

populneum

salicinum

Aut. Win.

SPERMŒDIA

Clavus (Sow, t. 396. f. 6.) Sclerotium.

On rotten leaves, not uncommon. Forster.

On dead stalks of unbelliferous plants common.

On poplar trees, frequent.

On willows leaves, common.

Ergot.

Produced within the seeds of various: grasses, as Lolium perenne, Festuca, &c.

Suborder 2. Gasteromycetes.

Tribe 1. Angiogastres.

· Phalloideæ.

PHALLUS

impudicus (Fl. Ton. p. 181. P. fætidus, Sow. t. 329.) Stinkhorn.

In the hedge in the bridle way to Bayham Abbey from the Wells, and at Langton Green. Forster. Abundant in Hill Park, near Westerham in 1844. Mr. R. Scott.

Genera and Species.

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

· Tuberaceæ.

RHIZOFOGON

(Tuber, Sow. t. 310. Fl. Ton. p. 186.)

Rhizopogon. Once found by the side of a lane on the left hand of the road from Mount Sion to Woodsgate, about six inches under ground. Forster.

\* \* \* Nidulariacei.

NIDULARIA campanulata Bird's Nest Peziza.

On nearly exhausted dung; sticks; in flower pots in conservatories, &c., not uncommon.

· · · · Carpoboli.

PILOBOLUS

crystallinus (Mucor urceolatus, Sow. t. 300.

Fl. Ton. p. 187.)

Pilobolus.

On horse dung, early in the morning, common.

Tribe 2. Pyrenomycetes. + Peripherica.

SPHERIA (1)

Cordyceps.

Sphæria.

On stumps of trees, common. polymorpha (S. digitata, Sow. t. 69. Fl. Ton. p. 184.)

Hypoxylon (Sow. t. 55. Clavaria, Fl. Ton. p. 184.) On old wood, bottom of posts, stumps, &c., very common.

Pulvinata.

concentrica (S. fraxinea, Sow. t. 160.)

(Fl. Ton. p. 188. Lyc. variolosum, Sow. t. 271. Fl. Ton. p. 186.)

On trunks of dead or decaying ash trees, common.

On rotten wood. Forster. On beech bark at Mayfield. E. J.

fusca

On dead branches of hazel, frequent.

\* ' Hypophericæ.

Glebosæ.

Spr. & Aut. On wood and decayed leaves. (S. maxima, Sow. t. 338, Fl. Ton. p. 189.) Forster.

Nummularia (S. depressa, Sow. t. 216. Peziza, Fl. Ton. p. 184.) On rotten wood, Forster.

H 2

<sup>(1)</sup> I have omitted the Time of Maturity to most of the species in this, and in everal of the allied genera, as the period of their perfection is very uncertain. The most productive season for this botany is the Autumn, Winter, and early

Genera and Species

Time of Mat.

Nat. Order. | English Name, Localities, and other remarks.

Lignosæ.

Stigma (S. decorticans, Sow. t. 137. On sticks, common.

disciformis

Fl. Ton. p. 188.)

On dry branches of beech, &c., common.

aspera

On branches of oak, frequent.

verrucæformis (S. parallela, Sow. t. 394. f. 4.) On branches of hazel, beech, &c ... not uncommon.

Versatiles.

Strumella

On dry currant branches, frequent

Concrescentes.

(S. floriformis, Sow. t. 297. Fl. Ton. p. 189.)

On decayed wood. Forster.

. . Amphipherica.

Circumscriptæ.

Prunastri

On branches of blackthorn, frequer

Obvallatæ.

salicina

On willow twigs, common.

· · · Epiphericæ.

Cæspitosæ.

cinnabarina (Sow. t. 256.) Win. Spr.

On the dying trunk of a beech troe at Mayfield; on dead or dying trunks or branches of trees.

coccinea (S. Mori, Sow. t. 255. Fl. Ton. p. 188.) On decaying branches of various trees, not unfrequent.

Seriatæ.

Junci

On the stems of rushes, frequent, On reeds. Forster.

arundinacea (Sow. t, 336. Fl. Ton. p. 189.)

Confertæ.

Trifolii

On the leaf of Trifolium repens a other species of clover, not cor

ceuthocarpa

On poplar trees at Speldhurst.

Genera and Species. Nat. Order. | Time of Mat. English Name, Localities, and other remarks.

\* \* \* \* Superficiales.

Denudatæ.

sanguinea (Sow. t. 254, Fl. Ton. p. 189.) On decaying sticks, very common.

moriformis (S. claviformis, Sow. 337. Fl. Ton. p. 189.) On decayed wood, principally on the Alder. Forster.

\* \* \* \* \* Subinnatæ.

Subtectæ.

Taxi (Sow. t. 394. f. 6.) On leaves of the yew, frequent.

On holly leaves between Piltdown and Uckfield.

Ilicis

Caulicolæ.

acuta (Sow. t. 119, & t. 394, f. 3.) On stems of the common nettle, frequent.

Doliolum

On the dead stems of herbaceous plants.

herbarum

On stems of herbaceous plants, frequent.

TEMPSON IN

Foliicolæ.

Hederæ (Sow. t. 371. f. 5.)

On decayed ivy leaves at Mayfield.

punctiformis

On fallen leaves, common.

Eustegia.

EUSTEGIA

Рнома

On holly leaves, very common.

Ilicis (Sph. concava, Sow. t. 307. Fl. Ton. p. 188.)

Ceuthospora.

CEUTHOSPORA

On holly leaves, common.

(Sph. bifrons, Sow. t. 326. Fl. Ton. p. 188.)

On dead laurel leaves at Broomhill.

Lauri (Sphæria, Sow. t. 371. f. 4.)

Phoma.

salignum (Sph. salicina, Sow. t. 372.) On willow leaves at Mayfield.

The two following species recorded by Forster, I do not find noticed by Berkeley.

Sphæria communis, (Sow. t. 295. Fl. Ton. p. 189.) On decayed wood.

subcorticalis, (Sow.t.296. Fl.Ton.p.189.) Upon the first bark of dead trees, common.

Genera and Species.

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

DOTHIDEA

ribesia

typhina

(Sph. spiculifera, Sow. t. 274. Fl. Ton. p. 189.)

rubra

Ulmi

Sum. & Aut.

Autumn.

RHYTISMA

salicinum Acerinum

PHACIDIUM

Lauro Cerasi

HYSTERIUM

Fraxini Win. & Spr. (Sph. sulcata, Sow. t. 315.)

rugosum

LEPTOSTROMA

filicinum (Sow. t. 394. f. 10.)

Dothidea.

On dry branches of the red currant. On the stalks of grass, common.

On leaves of the blackthorn, not uncommon.

On leaves of the elm, common.

Rhytisma.

On leaves of willow, common.

On leaves of the common sycamore and maple, very common.

Phacidium.

On fallen leaves of the common laurel at Broomhill.

Hysterium.

On fallen branches of the ash, com-

On the living bark of oak, beech, &c., very common.

Leptostroma.

On dead stems of the common Win. & Spr.

brake, frequent.

Tribe 3. Trichospermi.

\* Trichogastres.

GEASTER

rufescens (Sow. t. 80. Fl. Ton. p. 185.)

BOVISTA

nigrescens (Lycoperdon Bovista, Sow. t. 321. Fl. Ton. p. 185.)

LYCOPERDON

gemmatum (L. Proteus, Sow. t. 332. Fl. Ton. p. 186.)

TULOSTOMA

mammosum (Lyc. pedunculatum, Sow. t. 406. Fl. Ton. p. 186.) Starry Puff Ball.

On banks amongst grass, at the Rev. S. Bales, Withyham. Forster.

Puff Ball.

On heath and dry pastures, very common.

Puff Ball.

On the commons, &c., plentifully.

Ci

Tulostoma.

On old Walls, not uncommon. Forster.

I do not find Lycoperdon cervinum, Sow. t. 269. Fl. Ton. p. 186. noticed by Berkeley. It is inserted by Forster as growing on Tunbridge Wells Common.

Genera and Species. Nat. Order. Time of Mat.

English Name, Localities, and other remarks,

SCLERODERMA

vulgare (Lyc. aurantiacum, Sow. t. 268. Fl. Ton. p. 186.)

(Lyc. defossum, Sow. t. 311. Fl. Ton. p. 186.)

RETICULARIA

(Lyc. fuliginosum, Sow. t. 257. Fl. Ton. p. 186.)

umbrina (R. Lycoperdon, Sow. t. 272. Fl. Ton. p. 189.)

**ÆTHALIUM** 

septicum (Ret. hortensis, Sow. t. 399. f. 1.)

SPUMARIA

alba (Reticularia, Sow. t. 280. Fl. Ton. p. 190.)

STEMONITIS

(Trichia alba, Sow. t. 259. Fl. Ton. p. 188.) Scleroderma.

On the ground on Tunbridge Wells Common, and elsewhere.

On Tunbridge Wells Common, and elsewhere. Forster.

Reticularia.

On Tunbridge Wells Common. Forster.

On decaying wood, stumps, rails &c., not uncommon.

Æthalium.

On mosses at Eridge, and elsewhere in woods, not unfrequent. Berkeley observes, that this plant is common on tan in hothouses, and "very injurious from the rapidity of its growth, and its abundant sporidia, which smothers the plants."

Spumaria.

On stems of grasses, &c., not un-

Stemonitis.

On rotten wood. Forster.

Tribe 4. Trichodermaceæ.

ASTEROPHORA

Lycoperdoides (Agaricus, Sow. t. 383. Fl. Ton. p. 177.)

In the wood in the grounds of the Rev. S. Bale, Withyham. Fors-

Asterophora.

Tribe 5. Perisporiaceæ.

ACODIUM

Mouse Skin Byssus.

(Fibrillaria vinaria, Sow. t. 432 & 387.f. 3. Byssus septica, Fl. Ton. p. 177.)

In the cellar at No. 2, Devonshire Place, Tunbridge Wells. Mr. W. W. Reeves. It is not unfrequent in close cellars, often hanging down a foot or more from the roof.

I do not find Reticularia hemisphærica, Sow. t. 12. noticed by Berkeley. It is serted by Forster, Fl. Ton. p. 190, as growing on leaves, common.

Genera and Species Nat. Order. Time of Mat. English Name, Localities, and other remarks.

ERYSIPHE

pannosa

macularis (E. Humuli Link,)

communis

α Leguminosarum

β Umbelliferarum

7 Polygonearum

à Hypericearum

Labiatarum

¿ Cichoracearum

tortilis

penicillata

ß Grossulariæ

γ Berberides

bicornis

adunca

guttata

Mildew.

On the leaves, &c. of various species of rose, frequent.

(Hop Mildew.) On the leaves, &coof hops, sometimes abundant and extremely injurious.

On various Leguminosæ.

On various Umbelliferæ.

On various species of Polygonum.

On Hypericineæ, particularly H Androsæmum and H. perforatum

On various Labiatæ.

On various Compositæ.

On the under side of living leaves on Cornus sanguinea.

On the living leaves of Alnus glutinosa.

On the gooseberry tree.

On the barberry at Ticehurst.

On leaves of the common maple.

On the leaves of willows and popplars, common.

On the leaves of the hazel, frequent

Suborder 3. Hyphomycetes.

Tribe 2. Mucorini.

MUCOR

Mucedo (Sow. t. 378. f. 6. Fl. Ton. p. 187.)

(Farinaria sulphurea, Sow. t. 379. f. 3.)

caninus

EUROTIUM

Mould.

On fruit, paste, &c., very common

On the dung of dogs and cats in wee weather, common.

Eurotium.

On damp plants in Herbaria, preserves, &c.

Tribe 3. Dermatiei.

POLYTHRINCIUM

herbariorum

Trifolii (Farinaria, Sow. t. 396, f. 7.) Polythrincium.

On the leaves of Trifolium pratense T. medium, and T. repens. E.J.

Genera and Species.

Nat. Order. | Time of Mat.

English Name, Localities, and other remarks.

Tribe 4. Mucedines.

ASPERGILLUS

glaucus (Mucor, Sow. t. 378. f. 9. Fl. Ton. p. 187.)

BOTRYTIS

parasitica (Mucor Botrytis, Sow. t. 359. Fl. Ton. p. 187.) Aspergillus.

On various decaying substances, as lard, bread, cheese, &c., common.

Botrytis.

On the stems of Capsella Bursa Pastoris, &c.

Suborder 4. Coniomycetes.

Tribe 1. Tubercularini

TUBERCULARIA

vulgaris (Clavaria coccinea, Sow. t. 294.)

FUSARIUM tremelloides Tubercularia.

On decayed sticks and branches, common.

Fusarium.

On decaying nettle stems, very com-

Tribe 2. Stilbosporei.

SEPTORIA

Ulmi

STILBOSPORA

magna

Septoria.

On elm leaves, common.

Stilbospora.

On the trunks of walnut trees.

Tribe 3. Sporidesmiei.

AREGMA (1)

bulbosum

Autumn. (Puccinia Rubi, Sow. t. 400. f. 9.)

Aregma. On the under side of various species of bramble.

gracile

Autumn.

On the under side of raspberry leaves.

mucronatum

Autumn.

On the leaves of various roses.

Tribe 4. Hypodermii.

GYMNOSPORANGIUM

Juniperi

Gymnosporangium.

On living twigs of Juniperus communis.

<sup>(1)</sup> Phragmidium, Link,

| Genera and<br>Species.                                 | Nat. Order.<br>Time of Mat.     | English Name, Localities, and other remarks.                  |
|--|---------------------------------|---|
| PUCCINIA -   | -                               |   |
| Graminis<br>(Uredo Frumenti, Sow.<br>Fl. Ton. p. 190.) | Sum. Aut.<br>t. 140.            | Puccinia. On the leaves and culms of corn and grasses.        |
| Polygonorum  | **                              | On various Polygona.  |
| Glechomatis  |                                 | On ground ivy.  |
| Menthæ   |                                 | On the leaves of various species of Mentha.                   |
| Betonicæ   |                                 | On leaves of Betonica officinalis.                            |
| tumida   | Spring.                         | On Bunium flexuosum, in the Hurst-<br>Wood, &c.               |
| Umbelliferarum   | Spring.                         | On various Umbelliferous plants, common.                      |
| Anemones   | Spring.                         | On Anemone nemorosa, frequent.                                |
| Saxifragarum   | Spring.                         | On Adoxa moschatellina, at Eridge.                            |
| pulverulenta   | Spring,                         | On Epilobium hirsutum, at Pens-<br>hurst.                     |
| Circae   | Spring.                         | On Circæa Lutetiana.  |
| Prunorum   | Summer.                         | On leaves of plum trees, frequent.                            |
| Ulmariæ  | Autumn.                         | On Spiræa Ulmaria, at Penshurst.                              |
| Buxi   | All the year.                   | On box, frequent.   |
| ÆCIDIUM .  |                                 | Æcidium.  |
| Allii  | Spring.                         | On Allium ursinum.  |
| Ari  | Spring.                         | On Arum maculatum.  |
| rubellum   |                                 | On leaves of various Rumices, frequent.                       |
| Primulæ  | Spring.                         | On leaves of the primrose.                                    |
| compositarum<br>(Tussilaginis, Pers. Sow               | Sum., Aut.<br>v. t. 397. f. 1.) | On leaves of the colt's foot.                                 |
| Ranunculacearum<br>(Æ. Ranunculi, Sow. 39              | Spring.<br>7. f. 2.)            | On the leaves of various Ranunculæ. particularly R. Ficaria.  |
| leucospermum   | Spring.                         | On the wood Anemone.  |
| Berberidis   | Spring.                         | On the barberry, at Ticehurst.                                |
| Violæ  | Spring.                         | On the leaves and petioles of violets. A very pretty species. |
| albescens  | Spring.                         | On Adoxa moschatellina.                                       |
| Grossulariæ  | Spring.                         | On the leaves and fruit of goose-<br>berries.                 |

<sup>\*\*</sup>Ecidium fuscum, Sow. t. 53, I do not find noticed by \*\*Berkeley.\*\* It is recorded by \*\*Forster\*, Fl. Ton. p. 187, as growing on the leaves of the Wood Anemone.

к2

| Genera and<br>Species                          | Nat. Order.<br>Time of Mat. | English Name, Localities, and other remarks.  |
|--|-----------------------------|---|
| cornutum<br>(Sow. t. 319. Fl, Ton. p. 187.)    |                             | On leaves of the mountain ash, at the High Rocks.   |
| laceratum<br>(Fl. Ton. p. 188.)                |                             | On young shoots of the May bush. Forster.   |
| UREDO  |                             | Uredo.  |
| segetum  | Summer.                     | (Smut.) On wheat, barley, and oats, frequent, and very destructive.   |
| Caries   | Summer.                     | (Bunt.) On wheat, within the germen, and exceedingly fetid when crushed.  |
| longissima<br>(Sow. t. 139, Fl. Ton. p         | Summer.<br>. 190.)          | On Poa aquatica, &c., common.   |
| linearis                                       | Sum. Aut.                   | On the leaves and sheaths of corn and grasses, common.  |
| Rubigo   | Summer,                     | (Rust.) On grasses and corn.  |
| Scillarum                                      | Spring.                     | On the leaves of the blue bell, (Hy- acinthus non scriptus) in the copse by the footpath between the Swiss Cottage and Fisher's Castle; Hurst Wood, &c. |
| Polygonorum                                    |                             | On various species of Polygonum.  |
| Primulæ  |                             | On Primula vulgaris.  |
| Rhinanthacearum                                | Sum. Aut.                   | On Euphrasia officinalis and Bart-<br>sia Odontites, common.  |
| Labiatarum<br>(Æc. Menthæ, Sow. t. 398. f. 3.) |                             | On Mentha hirsuta, &c.  |
| Campanulæ                                      |                             | On the leaves of Campanula rotun-<br>difolia.   |
| compransor                                     |                             | On sowthistles, colt's foot, &c.  |
| suaveolens<br>(Æc. Cardui, Sow. t. 3           | Sum. Aut.<br>98. f. 5.)     | On Cnicus arvensis, common.   |
| Senecionis                                     |                             | On various species of groundsel, common.  |
| Petroselini                                    | Spring.                     | On the Chervil, (Chærophyllum temulentum,) &c.  |
| Umbellatarum                                   | Spring.                     | On the leaves of the hogweed (He-<br>racleum Sphondylium) in the<br>Hurst Wood.   |
| Heraclei                                       |                             | On Heracleum Sphondylium.   |
| Ranunculacearum                                |                             | On various species of Ranunculus.   |
| Hypericorum                                    |                             | On various Hyperica.  |
| Violarum                                       |                             | On the leaves and petioles of violets.  |

Genera and Species.

Nat. Order. Time of Mat. English Name, Localities, and other remarks.

Caryophyllacearum

Epilobii

Rosæ

Autumn.

Ruborum

Autumn. (Æc. Rubi, Sow, t. 398. f. 1.)

Potentillarum

(U. Fragariæ, Sow. t. 398. f. 2.)

Leguminosarum

confluens

Spring.

Filicum

(U. aurea, Sow. t. 320. Fl. Ton. p. 190.)

(U. Thlaspi, Sow. t. 340. Fl. Ton.p. 190.)

gyrosa

Poterii

Euphorbiæ

cylindrica

Saliceti

Autumn.

On Stellaria, frequent.

On Epilobium hirsutum.

On rose leaves, very common.

On the leaves of brambles, very common.

On Potentilla Fragariastrum, &c.

On various Leguminosæ, frequent.

On Mercurialis perennis, at Ham-sell. Mr. W. W. Reeves.

On the leaves of tender ferns. Forster.

On the shepherd's purse (Capsella Bursa Pastoris.)

On raspberry leaves.

On Poterium sanguisorba.

On various species of spurge, especially on Euphorbia Peplus.

On the leaves of the birch (Betula alba.)

On various willows, common.

### 1881

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OF

# THE GENERA

AND

# THE CRYPTOGAMOUS ORDERS.

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