

THE FLORA OF THE LIMERICK DISTRICT.

BY W. A. FOGERTY, M.A., M.D.

This list deals with the plants of District VI. of the *Cybele Hibernica*, including the Counties of Limerick, Clare, and the eastern part of Galway—namely, all that part of the County east of Lough Corrib. It is of very varied geographical and geological character, including as it does the sea-coast of Clare and Galway, the estuary of the Shannon, and the right bank of that river as far as Shannon-bridge, some miles above Banagher. Only a very small area of this large district has been examined—namely, the immediate neighbourhood of the City of Limerick for a radius of about three miles, and Askeaton, the south and east of Clare at Finlough, and Broadford and Lough Derg. The rest has been practically neglected, and this contribution to the flora, incomplete as it is, will serve as a guide to botanists who may have the opportunity of collecting in the unexplored localities. The list does not include the names of many common species, as it was decided not to include any but those that were actually collected and identified. Eighty species are recorded as additions to the flora of the district, and those marked * are not included in the *Cybele Hibernica* as native plants.

Mr. D. O'Brien, Rev. W. A. Bentley, Mr. G. Fogerty, and Rev. T. Abbott have done most of the work of collecting and identifying specimens.

LIST OF SPECIES.

RANUNCULACEÆ.

- Anemone nemorosa.* Common.
- Ranunculus acris*, L. Common.
- R. heterophyllos*, L. In the Shannon at Corbally.
- R. bulbosus*, L. Common in pasture lands round Limerick.
- R. Ficaria*. Shady, damp places; abundant.
- R. Flamula*, L. Near Limerick; not very common.
- R. Lingua*, L. Kilkee; rare.
- R. hederaceus*, L. Lahinch.
- R. parviflorus*, L. Quarry, Carey's Road, Limerick; rare.
- R. repens*, L. Common.

PAPAVERACEÆ.

- Papaver Argemone*, L. Finlough; not common.
- P. dubium*, L. Askeaton.
- P. hybridum*, L. Lough Gur; not common.
- Chelidonium majus*, L. Park.

FUMARIACEÆ.

- Fumaria officinalis*, L. Corbally.
- F. parviflora* (*Vailantii*), Lamk. Quarry, Carey's Road, Limerick; rare.
- F. densiflora*, Dc. Railway Cutting, near Limerick.

CRUCIFERÆ.

- Nasturtium officinale*, Br. Common.
N. palustre, Dc. Corbally; not very abundant.
Barbarea vulgaris, Br. Parteen.
Arabis hirsuta, Br. Common.
Sisymbrium officinale, Scop. Quarry, Carey's Road, Limerick; rare.
S. Sophia, L. Quarry, Carey's Road; very rare.
Brassica Campestris, L. Blackwater; not native.
Sinapis arvensis, L. (*Brassica sinapis*). Askeaton.
S. alba, L. (*B. alba*) Singland; not common.
Diplotaxis muralis, Dc. Glenomra; very rare.
Lepidium campestre, Br. Park.
L. draba, L. Quarry, Carey's Road, Limerick.
L. Smithii, Hook. Quarry, Carey's Road, Limerick.
Bursa Bursa-pastoris, Weber. Road sides; very common.
Coronopus Ruellii, All. Limerick, waste ground at Docks; rare.
Coronopus didymus. Limerick; rare.
Erysimum cheiranthoides. Quarry, Carey's Road, Limerick; rare.
Alyssum calycinum, L. Rossbrien Road, Limerick.

RESEDACEÆ.

- Reseda Luteola*, L. Common.

VIOLACEÆ.

- Viola palustris*, L. Woodcock Hill.
V. Canina, L. Corbally; common.
V. Tricolor, L. Killaloe, Glanlon, Meelick.
V. curtisii. Common at Cliffs of Moher and Lahinch.

POLYGALÆ.

- Polygala vulgaris*, L. Frequent.

CARYOPHYLLACEÆ.

- Lychnis Flos-cuculi*, L. Corbally.
L. Vespertina, Sib. Ballycar; not common; growing on Railway bank, near Station.
Cerastium glomeratum, Thu. Limerick.
Stellaria nemorum. Limerick; rare.
S. media, Vill. Athlunkard; common.
S. Holostea, L. Common.
S. graminea, L. Meadow, near Limerick.
Arenaria verna, L. Frequent.
A. trinervia, L. Askeaton.

- A. serpyllifolia*, L. Carey's Road, Limerick.
A. peploides. Kilkee; frequent.
Sagina procumbens, L. Limerick.
Spergula arvensis, L. Glanlon; not frequent.

ELATINEÆ.

- Elatine Hydropiper*, L. Canal bank, Limerick; common.

HYPERICINEÆ.

- Hypericum Androsænum*, L. Woodcock Hill, frequent.
H. perforatum, L. Sixmilebridge; not frequent.
H. quadrangulum, L. Woodcock Hill; very common.
H. tetapterum, Fries. Finlough; rare.
H. humifusum, L. Common.
H. linearifolium, Vahl. Meelick; rare.
H. pulchrum, L. Common.
H. dubium. Park; rather rare.

MALVACEÆ.

- Malva sylvestris*, L. Askeaton.
M. rotundifolia, L. Limerick; rather rare.
Lavatera arborea, L. Carey's Road, Limerick; four plants; growing high up on side of old quarry.

TILIACEÆ.

- Tilia platyphyllos*, Scop. Corbally; probably planted.

LINEÆ.

- Linum catharticum*, L. Rathkeale; common.
L. Angustifolium, Hud. Carey's Road; rare.

GERANIACEÆ.

- Geranium perenne* (*Pyrenaicum*), Hud. Athlunkard: rare.
G. molle, L. Askeaton.
G. dissectum, L. Singland; common.
G. Robertianum, L. Common.
G. Lucidum, L. Common.
Erodium cicutarium, L'Heritier. Carey's Road, Limerick.
E. moschatum, L'H. Park.
Oxalis Acetosella, L. Woods; common.

ACERACEÆ.

- Acer campestre*, L. Corbally.
A. Pseudoplatanus, L. Limerick; rare; planted.

LEGUMINOSÆ.

- Ulex europæus*, L. Common.
U. nanus, Forst.

Cytisus scoparius, Link. Capanteemore.
Ononis spinosa, L. Limerick.
Medicago maculata, L. Athlunkard.
M. Minima, Desr. Athlunkard; rare.
Mellilotus altissima, Thuill. Rare; Carey's
 Road Quarry.
Trifolium pratense, L. Common.
T. repens, L. Common.
T. procumbens, L. Common.
Anthyllus Vulneraria, L. Finlough.
Lotus corniculatus, L. Askeaton.
Vicia Cracca, L. Common.
V. sylvatica, L. Rare.
V. Sepium, L. Athlunkard; very common.
V. Sativa, L.
V. Orobis. Cratloe; very rare.
Lathyrus pratensis, L. Finlough.

ROSACEÆ.

Spiraea Ulmaria, Lin. Common.
Rubus idaeus, Lin. Delmege's Glen.
R. Fruticosus, L. Delmege's Glen; not
 rare.
R. cæsius, L. Delmege's Glen.
Geum urbanum, L. Delmege's Glen;
 common.
G. rivale, L. Limerick; not common.
Fragaria vesca, L. Athlunkard.
Potentilla palustris, Scop. Finlough; rare.
P. procumbens, Sibth. Common.
P. reptans, Lin. Primrose bank; Lime-
 rick; common.
P. Anserina, Lin. Common.
Alchemilla arvensis, Scop. Cahernarry;
 rare.
A. vulgaris, L. Limerick.
Agrimonia Eupatoria, Lin. Castleconnell;
 common.
Rosa rubiginosa, Lin.
R. Canina, Lin.
Pyrus Aria, Ehrh. Pallasgreen; not
 common.

SAXIFRAGEÆ.

Parnassia palustris, L. Finlough, Doon
 Lake.

CRASSULACEÆ.

Cotyledon Umbilicus, Lin.
Sedum Album, Lin. Castleconnell; rare.
S. acre, Lin. New Street, Limerick.

DROSERACEÆ.

Drosera Rotundifolia, Lin. Finlough,
 Woodcock Hill.

HALORAGINEÆ.

Hippuris vulgaris. Finlough, St. Thomas'
 Island, Adare.

Myriophyllum spicatum, Lin. Shannon at
 Corbally.

Callitricha verna, Lin. Ballinacurra Creek.

LYTHVARLÆ.

Lythrum Salicaria, Lin. Common.

ONAGARIÆ.

Epilobium hirsutum, L. Finlough;
 common.

E. montanum, L. Ashroe.

E. roseum, Schreb. Limerick; rare.

Ciræa lutetiana, L. Delmege's Glen,
 Mountshannon, &c.

UMBELLIFERÆ.

Hydrocotyle vulgaris, L. Common.

Sanicula europaea, L. Common.

Conium maculatum, L.

Smyrnium Olusatrum.

Trinia glaberrima, Hoff. Rosbrien,
 Cahernarry, Killaloe.

Apium graveolens, L. Common.

A. Nodiflorum, Reichb. Païteen;
 common.

A. inundatum, Reichb. Park, Canal
 bank; not frequent.

Carum segetum, Benth. Limerick; rare.

Sium latifolium, Lin. Patrick's-well.

S. erectum, Huds. Shannon meadows.

Aegopodium Podagraria, Lin. Corbally;
 rare.

Pimpinella saxifraga, Lin. Plassy, not
 common.

P. major, Huds. Plassy, Askeaton; not
 common.

Conopodium denudatum, Koch. Common.

Anthriscus sylvestris, Hoff. Cratloe.

Œnanthe fistulosa, L. Ballinacurra.

Œ. pimpinelloides, Lamk. Longpavement,
 in ditch; rare.

Œ. Phellandrium, Lamk. Askeaton; rare.

Aethusa Cynapium, Lin. Common.

Peucedanum officinale, L. Longpavement;
 rare.

Heracleum Spondylium, L. Limerick.

Daucas Carota, L. Common.

Caucalis nodosa, Scop. Askeaton,
 Limerick.

CAPRIFOLIACEÆ.

Sambucus nigra, L. Common.

S. Ebulus, L. Askeaton, Glanlon.

Lonicera Periclymenum, L. Common.

RUBIACEÆ.

Galium boreale, Lin.

G. verum, Lin. Patrick's-well.

G. Saxatile, Lin. Rosbrien.

G. palustre, Lin.
G. uliginosum, Lin. Longpavement; not common.
G. Aparine, Lin. Common.
Asperula odorata, L. Castleconnell.
A. cynanchica, Lin. Ashroe.
Sherardia arvensis, Lin.

VALERIANÆ.

Valeriana sambucifolia, Willd. Corbally; not common.

DIPSACEÆ.

Dipsacus sylvestris, Hud. Meelick.
Scabiosa Succisa, Lin. Woodcock Hill.
S. arvensis, Lin. Limerick.

COMPOSITÆ.

Eupatorium cannabinum, Lin. Finlough.
Solidago Virgaurea, Lin. Finlough.
Bellis perennis, Lin.
Filago germanica, Lin. Killaloe.
Antennaria dioica, R.Br. Finlough.
Gnaphalium luteo-album, Lin. Finlough.
Inula salicina, Lin. Lough Derg, near Killaloe; rare.
Bidens cernua, Lin. Lough Gur.
Achillea Millefolium, Lin.
A. Ptarmica, Lin.
Anthemis Cotula, Lin.
A. nobilis, Lin. Lahinch; rare.
Chrysanthemum segetum, Lin. Singland, Limerick.
C. Leucanthemum, Lin. Primrose Bank, Limerick.
C. Parthenium, Pers. Doonass.
Matricaria inodora, Lin. Parteen.
Artemisia vulgaris, Lin. Meelick.
Tussilago Farfara, Lin. Common.
Senecio vulgaris, Lin. Corbally.
S. sylvaticus, Lin. Woodcock Hill.
S. viscosus, Lin. Singland.
S. Jacobaea, Lin. Primrose Bank, Lim'k.
S. aquaticus, Huds. Woodcock Hill.
S. squamidus, Lin. Circular Rd., Limerick.
Arctium majus, Bernh. Singland.
Cnicus lanceolatus, Willd. Parteen.
C. palustris, Willd.
C. pratensis, Willd. Finlough.
C. arvensis, Hoffm. Parteen.
Mariana lactea, Hill. Askeaton; not common.

Centaurea nigra, Lin. Parteen.
C. aspera, Lin. Park
C. solstitialis, Lin., Carey's Rd., Limerick.
Lapsana communis, Lin. Castleconnell.
Crepis virens, Lin. Prison Wall, Limerick.
Hieracium Pilosella, Lin. Parteen.
Hypochaeris glabra, Lin. Singland.
H. radicata, Lin. Parteen.

Taraxacum Dens-leonis, Desf.
Sonchus oleraceus, Lin. Corbally.
S. asper, Hoffm. Parteen; not common
S. arvensis, Lin. Askeaton. Corbally.
S. palustris, Lin. Parteen. Askeaton.
Tragopogon pratense, Lin. Not common. Limerick.

CAMPANULACEÆ.

Campanula Rapunculus, Lin. Dock Road, Limerick.

C. rotundifolia, Lin.

VACCINIACEÆ.

Vaccinium Vitis-Idæa, Lin. Woodcock Hill.
V. Myrtillus, L. Woodcock Hill.

ERICACEÆ.

Calluna Erica, DC. Finlough, &c.; common.
Erica Tetralix, Lin. Woodcock Hill.
E. Cinerea, Lin. Woodcock Hill

PLUMBAGINEÆ.

Armeria maritima, Willd. Lahinch, Kilkee, PRIMULACEÆ.

Primula veris, Lin.
P. acaulis, Lin.
Lysimachia vulgaris, Lin. Doonass, Rhebogue.
L. nemorum, Lin. Athlunkard.
Glaux m. itima, Lin. Lahinch.
Anagallis vensis, Lin. Finlough.
A. Tenella, Lin. Woodcock Hill.
Samolus Valerandi, Lin. Killaloe.

OLEACEÆ.

Fraxinus excelsior, Lin. Limerick.
Ligustrum vulgare, Lin. Delmege's Glen.

APOCYNACEÆ.

Vinca major, Lin. Ballysimon.

GENTIANÆÆ.

Blackstonia perfoliata, Hud. Patrick's-well.
Erythræa Centaurium, Pers. Patrick's-well.
Gentiana Amarella, Lin. Finlough.
Menyanthis trifoliati, Lin. Corbally.

POLEMONIACEÆ.

Polemonium cæruleum, Lin. Carey's Road

BORAGINEÆ.

Symphytum officinale, Lin. Corbally.
Borago officinalis, Lin. Limerick.
Myosotis cespitosa, F. Schultz. Corbally
M. palustris, Rech. Woodcock Hill.

M. arvensis, Lam. Athlunkard.
M. collina, Hoffm. Limerick; rare.
M. versicolor, Reichl. Limerick.
Echium vulgare, Lin. Rathkeale.

CONVOLVULACEÆ.

Volvulus sepium, Lin. Munget, Singland.
Convolvulus arvensis, Lin. Munget,
 Singland.

SOLANACEÆ.

Solanum Dulcamara, Lin. Adare.

SCROPHULARINEÆ.

Verbascum Thapsus, Lin. Askeaton.
Scrophularia aquatica, Lin. Meelick; not
 common.
S. nodosa. Delmege's Glen; common.
Linaria Cymbalaria, Mill, Akeaton, Lime-
 rick, &c.
Digitalis purpurea, Lin. Common on Clare
 side of R. Shannon.
Veronica agrestis, Lin. Clounslough.
V. tryphyllos, Lin. Glanlon; rare.
V. serpyllifolia, Lin. Limerick; common.
V. officinalis, Lin. Delmege's Glen.
V. Chamædrys. Corbally.
V. scutellata, Lin. Woodcock Hill.
V. Anagallis-aquatica, Lin. Common.
V. Beccabunga, Lin. Limerick.
Euphrasia officinalis (*gracilis*), Fr. Kil-
 laloe.
Bartsia Odontites, Huds. Parteen.
Pedicularis palustris, Lin. Finlough.
P. sylvatica, Lin. Woodcock Hill.
Rhinanthus Crista-galli, Lin. Limerick.
Melampyrum sylvaticum, Lin. Cratloe.

OROBANCHACEÆ.

Orobanche Hederæ, Duby. Doonas.
Lathræa Squamaria, Lin. Knockaderry.

LENTIBULARIEÆ.

Utricularia minor, Lin. Athlunkard.
Pinguicula vulgaris, Lin. Killaloe.

LABIATÆ.

Mentha rotundifolia, Hud. Ballysimon.
M. sativa, Lin. Ballysimon.
M. hirsuta, Hud. Athlunkard.
M. Pulegium, Lin. Rosbrien.
Lycopus europæus, Lin. Rhebogue.
Origanum vulgare, Lin. Pennywell.
Thymus Serpyllum, Fr. Finlough.
Salvia Verbenaca, Lin. Askeaton.
Nepeta Glechoma, Benth. Ballysimon.
Scutellaria galericulata, Lin. Killaloe.
Prunella vulgaris, Lin. Limerick.
Stachys Palustris, Lin. Doonas.
S. Sylvatica, Lin. Doonas.

Lamium purpureum, Lin. Doonas.
Ballota nigra, Lin. Limerick.
Teucrium Scorodonia, Lin. Killaloe.
Ajuga reptans, Lin. Askeaton.

PLANTAGINEÆ.

Plantago major, Lin. Corbally.
P. Media, Lin. Athlunkard. Cahirnarry.
P. lanceolata, Lin. Athlunkard.
P. maritima, Lin. Kilkee.
P. Coronopus, Lin. Askeaton.

CHENOPODIACEÆ.

Chenopodium polyspermum, Lin. Sing-
 land; rare.
C. album, Lin. Thomondgate.
Atriplex patula, Lin. Singland.
A. portulacoides, Lin. Longpavement.

POLYGONACEÆ.

Polygonum Convolvulus, Lin. Thomond-
 gate.
P. dumetorum, Lin. Licadoon.
P. aviculare, Lin. Munget.
P. hydropiper, Lin., Corbally.
P. minus, Huds. Clonlara.
P. persicaria, Lin. Glanlon.
P. lapathifolium, Lin. Clonlara.
P. amphibium, Lin. Park.
Rumex conglomeratus, Murr. Castleconnell
R. crispus, Lin. Castleconnell
R. Acetosa, Lin. Delmege's Glen.
R. Acetosella, Lin. Woodcock Hill.

EUPHORBIACEÆ.

Euphorbia Helioscopicæ, Lin. Doo nas.
E. Peplus, Lin. Lough Gur.
E. Lathyris, Lin. King's Island.

URTICACEÆ.

Ulmus montana, Stokes. Doonas.
U. surculosa, Stokes (*Campestris*). Doonas
Urtica dioica, Lin. Corbally, &c.
U. urens, Lin.
Parietaria officinalis, Lin. Wellesley bridge

MYRICACEÆ.

Myrica Gale, Lin. Killaloe.

CUPULIFERÆ.

Alnus glutinosa, Lin. Finlough.
Corylus Avellana, Lin. Doonas.
Quercus Robur

SALICINEÆ.

Salix repens.
Populus alba. Parteen.
P. tremula. Woodcock Hill.
P. nigra.

CONIFERÆ.

Taxus baccata, Lin. Doonas.

HYDROCHARIDEÆ.

Elodea canadensis, Micha. Common.
Hydrocharis Morsus-ranae. Lin. Primrose
Bank.

ORCHIDACEÆ.

Listera ovata, R. Br. Finlough.
Epipactis latifolia, All. Doonas.
E. violacea, Bor. Castleconnell.
Orchis pyramidalis, Lin. Common.
O. latifolia, Lin. Athlunkard.
O. maculata, Lin. Common.
Ophrys apifera, Huds. Ballycar.
Habenaria conopsea, Benth. Finlough.
H. albida, R. Br. Finlough.
H. bifolia, R. Br. Parteen.

IRIDEÆ.

Iris Pseudacorus, Lin. Corbally.

AMARYLLIDEÆ.

Leucojum aestivum, Lin. Clare.

LILIACEÆ.

Allium vineale, Lin. Longpavement.
Narthecium Ossifragum, Huds. Woodcock.

JUNCACEÆ.

Juncus bufonius, Lin. Clonlara.
J. obtusifolius, Ehrh. Singland.
J. acutifolius, Ehrh. Park.
Luzula arcuata, Sw. Athlunkard. Rare.
L. Campestris, Dc. Corbally. Common.

TYPHACEÆ.

Typha latifolia, Lin. Common.
Sparangium ramosum, Huds. Killaloe.
S. minimum, Fr. Finlough.

AROIDEÆ.

Arum maculatum, Lin. Common.

ALISMACEÆ.

Alisma Plantago-aquatica, Lin. Carey's
Road.
A. ranunculoides, Lin. Finlough.
Elisma natans, Buchen. Longpavement.
Damasonium stellatum, Pers. Woodcock.
Butomus umbellatus, Lin. Park.

NAIADACEÆ.

Triglochin palustre, Lin. Finlough.
T. maritimum, Lin. Lahinch.
Potamogeton natans, Lin. Finlough ;
Primrose bank.
P. lucens, Lin. Park.
P. densus, Lin. Longpavement.
P. perfoliatus, Lin. Park.
P. pectinatus, Lin. Park.
P. plantagineus, Du Croz. Finlough.
Ruppia spiralis, Hartm. Limerick river
bank.

CYPERACEÆ.

Scripus fluitans, Lin. Athlunkard.
S. lacustris, Lin. Canal bank, Limerick.
Eriophorum angustifolium, Roth. Gallows
Hill.

ADDITION TO DISTRICT VI OF THE CYBELE HIBERNICA.

Ranunculus parviflorus.	*Peucedanum officinale.
Chilidonium majus.	*Trinia vulgaris.
Papaver Argemone.	Gallium pallustre.
*Fumaria parviflora.	Scabiosca arvensis.
Fumaria densiflora.	Anthemis arvensis.
Diplotaxis muralis.	Bidens cernua.
Lepidium Draba.	*Centaurea aspera.
L. campestre.	*C. solstitialis.
L. Smithii.	*Chrysanthemum Parthenium.
Syimbrium officinale.	*Gnaphalium luteo-album.
S. Sophia.	*Hypochæris glabra.
Alyssum Calycinum.	Senechio aquaticus.
Arenaria peploides.	S. viscosus.
A. serpyllifolia.	Mariana lactea.
A. trinervia.	*Campanula Rapunculus.
Stellaria Holostea.	Vacinium Vitis Idæi.
S. nemorum.	Echium vulgare.
Spergula arvensis.	Mysotis collina.
Elatine Hydropiper.	Convolvulus arvensis.
*Hypericum linarifolium.	*Plantago Media.
*H. tetrapterum.	Melampyrum sylvaticum.
Erodium cicutarium.	Scrophularia aquatica.
Geranium pyrenaicum.	*Veronica tryphyllos.
Medicago maculata.	Ballota nigra.
*M. minima.	Mentha sativa.
Melilotus officinalis.	M. Rotundifolia.
Ononis spinosa.	*Atriplex patula.
Vicia sativa.	*A. portulacoides.
V. sylvatica.	*Chenopodium polyspermum.
V. Orobos.	*Polygonum dumetorum.
Geum rivale.	*P. lapathifolium.
Rosa Rubiginosa.	*Euphorbia lathyrus.
Rubus Fruticosus.	Allium vineale.
*Sedum album.	*Luzula arcuata.
Epilobium roseum.	Juncus obtusiflorus.
Apium graveolus.	*Damisonium stellatum.
*Carum Segetum.	Potamogeton lucens.
Ægopodium Podagrariæ.	P. pectinatus.
Ænanthe Pimpinelloides.	Scirpus fluitans.