

BOTANICAL RECORD FOR DERBYSHIRE, 1941.

By KATHLEEN M. HOLLICK.

At the suggestion of Mr. C. L. Collenette, it has been decided to begin an annual series of botanical notes, and this being the first of the series, some of the scarcer plants found in previous years will be mentioned. The nomenclature and arrangement are taken from the 1924 edition of Bentham and Hooker's *British Flora*, with the exception of the aliens, and some varieties, which are taken from other sources.

Unless otherwise indicated, I am responsible for the correctness of statements in this report.

My very grateful thanks are due to the following, who have sent me many interesting records. Their initials appear in brackets after their respective notes. The Misses M. L. Bond (M.L.B.) and L. Chambers (L.C.), Messrs. C. L. Collenette (C.L.C.), W. H. Somers (W.H.S.) and A. L. Thorpe (A.L.T.).

With a view to publication in future years, I shall be glad to receive notes or specimens from other local botanists.

In the case of certain plants hard to identify, I have sent them to the Hanley Museum (Stoke-on-Trent), where the curator, Mr. G. J. V. Bemrose, has kindly named them. His initials appear after those he has "refereed."

The localities are purposely vague, in order to protect the rarer plants.

 1932.

Hare's Ear. *Erysimum orientale* Br. Casual, Clifton.

White Melilot. *Melilotus alba* Desr. Casual, factory tip, Ashbourne.

Rough Dog's Tail. *Cynosurus echinatus* L. Casual, rubbish dump, near Ashbourne.

1933.

Barberry. *Berberis vulgaris* L. Occurs at two stations near Ashbourne, apparently native, or perhaps "bird-sown."

Pear. *Pyrus communis* L. One old tree on Darley Moor, far from any house.

Nettle-leaved Goosefoot. *Chenopodium murale* L. Casual, rubbish dump, near Ashbourne.

Sweet Sedge. *Acorus calamus* L. Pond at Kirk Langley, in some quantity; also grows near Anchor Church.

Crow Garlic. *Allium vineale* L. Hartington.

1934.

Common Meadow Rue. *Thalictrum flavum* L. Anchor Church.

Corn Buttercup. *Ranunculus arvensis* L. Cultivated ground near Hanging Bridge.

Night-flowering Catchfly. *Silene noctiflora* L. Cornfield, Hulland.

Water Stitchwort. *Stellaria aquatica* Scop. Swarkestone.

Bur Marigold. *Bidens cernua* L. Radbourne Rough (C.L.C.); also in plenty at Bradley; and a pond at Ashbourne.

Three-cleft Bur Marigold. *Bidens tripartita* L. Canal near Swarkestone.

Mudwort. *Limosella aquatica* L. Pondsides, Bradley.

Gibbous Duckweed. *Lemna gibba* L. Swarkestone ponds.

Greater Duckweed. *Lemna polyrrhiza* L. Pond at Holbrook Hall (C.L.C.); also at Swarkestone ponds.

1935.

Cut-leaved Mignonette. *Reseda lutea* L. Near Swarkestone.

Stone Bramble. *Rubus saxatilis* L. Via Gellia.

Alpine Lady's Mantle. *Alchemilla alpina* L. One plant appeared as a garden weed, Ashbourne.

Reflexed Stonecrop. *Sedum reflexum* L. Old wall, Repton.

Sand Leek. *Allium scorodoprasum* L. One plant by canal, Swarkestone (referee, G.J.V.B.).

1936.

Knotted Clover. *Trifolium striatum* L. Thorpe Cloud.

Slender Clover. *Trifolium filiforme* L. Near Ashbourne.

Swamp Bedstraw. *Galium uliginosum* L. Hulland Moss.

Umbellate Hawkweed. *Hieraceum umbellatum* L. Near Ashbourne.

Lungwort. *Pulmonaria officinalis* L. One plant, roadside, Kniveton, probable garden escape.

Butcher's Broom. *Ruscus aculeatus* L. Blackwall, probably naturalised.

Rat's-tail Fescue. *Festuca Myuros* L. Casual, Ashbourne.

1937.

Perfoliate Claytonia. *Claytonia perfoliata* Donn. Casual, Ashbourne.

Small Flowered Balsam. *Impatiens parviflora* D.C. Abundant in a timber yard, Derby. The seeds of this alien are imported with the timber.

Potentilla Norvegica L. Alien, waste ground, Derby. Fiddle Dock. *Rumex pulcher* L. Garden weed, Clifton. Spurge Laurel. *Daphne Laureola* L. Grounds of Willersley Castle, probably naturalised.

Purple Willow. *Salix purpurea* L. Hedgerow, Corley. near Ashbourne.

Acute Sedge. *Carex acuta* L. Clifton.

1938.

Galium spurium L. v. *Vaillantii* D.C. Garden weed, Longford.

1939.

Rough Poppy. *Papaver hybridum* L. Casual, Clifton. Cloudberry. *Rubus chamaemorus* L. Large patches of this lovely alpine on the moors near Buxton.

Autumn Crocus. *Crocus nudiflorus* Sm. Near Rodsley. This station is not in Linton's "Flora of Derbyshire." It is far from any house, and the plant is apparently native. Several bulbs near to one another, under a tree.

Cyperus Sedge. *Carex pseudocyperus* L. Near Repton.

1940.

Green Hellebore. *Helleborus viridis* L. Near Buxton (A.L.T.); also one plant on the river bank at Thorpe, apparently native.

Bloody Cranesbill. *Geranium sanguineum* L. Near Chinley (A.L.T.).

Blue Pimpernel. *Anagallis foemina* Mill. Garden weed, Ashbourne. Has appeared regularly for some years. The smaller-flowered variety, with glandular blue petals, appeared this year as a garden weed at Sandybrook Hall.

Cow Wheat. *Melampyrum pratense* L. Near Black Rocks, Cromford (A.L.T.).

Broad-leaved Helleborine. *Epipactis latifolia* All. Yeldersley, has much increased here this year.

Dwarf Orchis. *Orchis ustulata* L. Still found near Brassington.

Bee Orchis. *Ophrys apifera* Huds. Breedon-on-the-Hill on the borders of Leicestershire (A.L.T.). During the past few years I have found it flowering near Brassington, and at Ticknall.

Marsh Arrow Grass. *Triglochin palustre* L. Several plants on bank of stream near Windley (C.L.C.); also grows at Hulland.

Common Solomon's Seal. *Polygonatum multiflorum* Moench. Near Yeldersley, in a hedgerow, possibly not native, but well established. It is near a new house, but was obviously there before the house was built.

Star of Bethlehem. *Ornithogalum umbellatum* L. Stanton-by-Bridge, a few plants, not far from what may once have been a garden (L.C.).

Bromus britannicus. I. A. Williams. Appeared on a "tip" at Ashbourne (referee, G.J.V.B.).

Common Clubmoss. *Lycopodium clavatum* L. One small patch near Shirley.

1941.

Globe flower. *Trollius europæus* L. Millers Dale and Taddington Wood (W.H.S.); also found some years ago in small quantity near Brassington.

Stinking Hellebore. *Helleborus foetidus* L. Limestone rocks, Cromford (W.H.S.); also on limestone in some quantity, Hartington, though I did not go to see it this year.

Columbine. *Aquilegia vulgaris* L. Monsal Dale, and near Taddington Wood (W.H.S.); also seen in some quantity a few years ago in the Via Gellia.

Monkshood. *Aconitum Napellus* L. Roadside, Bradbourne, apparently wild.

White Waterlily. *Nymphæa alba* L. Weston-on-Trent and Anchor Church (W.H.S.).

Fumitory. *Fumaria officinalis* L. Near Atlow, seems to be less common than formerly (A.L.T.).

Dames Violet. *Hesperis matronalis* L. One plant flowering, 2-6-41, Parwich (C.L.C.).

Rocket. *Sisymbrium pannonicum* Jacq. Near the City Hospital, Derby. This appeared in great abundance in 1935, and a few plants have appeared each year since (A.L.T.).

Wall Whitlow Grass. *Draba muralis* L. Dovedale and other limestone dales.

Hutchinsia. *Hutchinsia petræa* Br. Monsal Dale (W.H.S.), also Dovedale.

Deptford Pink. *Dianthus armeria* L. Appears regularly and abundantly as a garden weed, Ashbourne.

Soapwort. *Saponaria officinalis* L. Waste ground, Ashbourne. First appeared in 1939.

Stellaria apetala Veria. Dovedale.

Perfoliate Claytonia. *Claytonia perfoliata* Donn. Casual, Ashbourne.

Pale Flax. *Linum angustifolium* Huds. Hilton and near Sudbury (W.H.S.).

Small-leaved Lime. *Tilia cordata* Mill. Hedgerow, Yeldersley.

Mountain Cranesbill. *Geranium pyrenaicum* Burm f. Two plants in orchard at Parwich Hall, 8-6-41. First noticed in 1936 (C.L.C.).

Small flowered Balsam. *Impatiens parviflora* D.C. Near Ambergate, very abundant there, also reported near River Derwent at Darley Abbey (A.L.T.); just inside gates of Darley Abbey Park, in the village (F.W.).

Dyers Greenweed. *Genista tinctoria* L. In plenty on a dry hillside between Tissington and Parwich, 8-6-41. First noticed, 1936 (C.L.C.); also grows on Darley Moor.

Knotted Clover. *Trifolium striatum* L. Abundant on a dry bank, Parwich.

Strawberry Clover. *Trifolium fragiferum* L. Abundant on Ashbourne Green.

Everlasting Pea. *Lathyrus sylvestris* L. Weston-on-Trent (W.H.S.).

Dwarf Cherry. *Prunus cerasus* L. Hedgerow near Yeldersley.

Bird Cherry. *Prunus Padus* L. Brassington; also seen recently at Dovedale and Bradley.

Intermediate Avens. *Geum intermedium* Ehrh. Near Ashbourne.

Hoary Potentilla. *Potentilla argentea* L. Rocky hillside, Parwich, small colony. This station is not in Linton's *Flora of Derbyshire*.

White Beam. *Sorbus salicifolia* Hedl. Dovedale, native.

Early Hawthorn. *Crataegus oxycanthoides* Thuill. Near Ashbourne Green.

Alpine Enchanter's Nightshade. *Circæa alpina* L. Shirley Wood.

Orpine. *Sedum Telephium* L. Miller's Dale (W.H.S.); also seen recently at Brassington and Dovedale.

Cut-leaved Saxifrage. *Saxifraga hypnoides* L. Dovedale.

Grass of Parnassus. *Parnassia palustris* L. Between Parwich and Royston Grange (C.L.C.); also Longcliff and Longdale. This plant, generally described as a bog-plant, is usually found on dry limestone hillsides in Derbyshire, growing about 3-6 ins. high.

Hare's Ear. *Bupleurum rotundifolium* L. See note *re* canary seed.

Fine-leaved Water Dropwort. *Enanthe Phellandrium* Lam. Ponds, Swarkestone Bridge (W.H.S.).

Fennel. *Foeniculum vulgare* Mill. Waste ground, Stockbrook St., Derby, also a few plants every year at Twyford (A.L.T.).

Knotted Caulalis. *Caucalis nodosa* Scop. See note *re* canary seed.

Danewort. *Sambucus Ebulus* L. Near Longford (W.H.S.).

Hedge Bedstraw. *Galium Mollugo* L. Parwich.

Small Teasel. *Dipsacus pilosus* L. Via Gellia and near Taddington Wood (W.H.S.); also Mapleton.

Corn Marigold. *Chrysanthemum segetum* L. Cultivated field, Hulland.

Viscous Groundsel. *Senecio viscosus* L. Casual, Longcliff and Ashbourne.

Wood Senecio. *Senecio sylvaticus* L. Garden weed, Ladyhole.

Woolly Thistle. *Carduus eriophorus* L. Hassop Mines (W.H.S.).

Star Thistle. *Centaurea Calcitrapa* L. Garden weed, Alrewas House, Clifton. Has not appeared here before. Flowering 25-7-41 (M.L.B.).

Hawkweed *Picris*. *Picris hieracoides* L. Longcliff.

Umbellate Hawkweed. *Hieraceum umbellatum* L. Between Stenson and Twyford (W.H.S.); also near Ashbourne.

Corn Campanula. *Campanula hybrida* L. A white flowered variety. Cultivated field, Hulland, 13-7-41. I have never found this plant in the neighbourhood before (M.L.B.). This is one of the very few uncommon weeds which have appeared in this district since the great increase of cultivation owing to the war.

Water Violet. *Hottonia palustris* L. Ponds, Swarkestone Bridge (W.H.S.).

Creeping Jenny. *Lysimachia Nummularia* L. Twyford (A.L.T.); also grows at Swarkestone and Ashbourne Green.

Bog Pimpernel. *Anagallis tenella* L. Hulland.

Autumn Gentian. *Gentiana Amarella* L. Atlow and Longcliff. Both 4- and 5- cleft forms are found at the latter locality.

Jacob's Ladder. *Polemonium caeruleum* L. In

quantity on a hillside N-E. of Alstonfield, with white var. (C.L.C.); Bradbourne Brook (A.L.T.). In great abundance on a dry rocky hillside near Brassington, one slope being blue with it. These hillside situations are unusual; it generally grows on the banks of streams, being common in such situations round Ashbourne.

Black Nightshade. *Solanum nigrum* L. Appeared in abundance this year on sludge from Ashbourne sewage farm.

Pepper Mint. *Mentha piperita* L. Ashbourne.

Vervain. *Verbena officinalis* L. Shardlow (W.H.S.).

Potamogeton zosterifolius Schum. Canal, Derby (W.H.S.).

Broad-leaved Helleborine. *Epipactis latifolia* All. Black Rocks, Cromford; appears to be spreading and increasing (A.L.T.), (W.H.S.).

Twayblade. *Listera ovata* Br. Via Gellia (W.H.S.).

Green-winged Orchis. *Orchis Morio* L. This orchis, uncommon in Derbyshire, flowered very freely near Ashbourne this year, there being one patch of at least 35 flower-spikes close together in one field.

Fragrant Orchis. *Habenaria conopsea* L. Flowered well on a hillside near Brassington.

Frog Orchis. *Habenaria viridis* Br. Bonsall Moor (W.H.S.).

Narcissus poeticus L. One bulb, far from any house, flowers most years in a field in Rodsley.

Herb Paris. *Paris quadrifolia* L. Via Gellia (W.H.S.).

Angular Solomon's Seal. *Polygonatum anceps* Moench. A large bed in Dovedale, growing with Lily of the Valley, most probably native, and fortunately most inaccessible.

Bog Asphodel. *Narthecium ossifragum* Huds. Hulland Moss (W.H.S.).

Heath False-brome. *Brachypodium pinnatum* L. Osmaston-by-Ashbourne.

One-glumed Fescue. *Festuca membranacea* Druce. This sea-coast species appeared in fair quantity on the cinder railway track at Clifton. (Referee, G.J.V.B.).

EFFECTS OF FROST.

In the Pike Hall-Friden district, to the N. of Parwich, on high ground, trees and bushes were extensively broken down by the weight of ice deposited by rain being frozen as it fell, in early 1941. The effects were still noticeable in September, 1941. The Parwich area was not affected (C.L.C.).

APPEARANCE OF UNCOMMON AND ALIEN PLANTS, DUE TO THE SOWING OF CANARY SEED.

In a small garden at Clifton, many uncommon plants appeared and flowered this year, owing to the fact that the "cleanings out" of an aviary had been used as manure. The following plants appeared and flowered; among commoner ones:—

<i>Lychnis Githago</i> Scop.	<i>Caucalis nodosa</i> Scop.
<i>Saponaria Vaccaria</i> L.	<i>Galium tricorne</i> With.
<i>Linum usitatissimum</i> L.	<i>Asperula arvensis</i> L.
<i>Lathyrus Aphaca</i> L., one plant.	<i>Lithospermum arvense</i> L.
<i>Bupleurum rotundifolium</i> L.	<i>Cannabis sativa</i> L.
<i>Lolium temulentum</i> L, and agricultural varieties of <i>Lolium multiflorum</i> .	

Most of these appeared in fair quantity, with the exception of *Lathyrus Aphaca*. (Most of this list supplied by M.L.B.).