

BOTANICAL RECORD FOR DERBYSHIRE, 1947.

By KATHLEEN M. HOLICK.

The exceptionally long and severe winter seemed to have not the least ill-effect on the native flora of the county, many species, among which were the orchids, even appearing to flower more vigorously than usual during the following summer.

I am again most grateful to all who have contributed to this record: Dr. R. G. Abercrombie, Mr. J. Brown, Miss R. Carey, Messrs. C. S. Garnett, F. T. and R. H. Hall, J. E. Lousley, W. H. Somers, E. C. Wallace, and the Buxton Field Club. Their initials appear after their notes, I being responsible for the remainder. All records refer to 1947 unless otherwise indicated. Arrangement this year follows that of Druce's British Plant List, second editon, 1928. The note in the 1946 Record for *Dryopteris æmula* nr. Buxton was an error.

REMAINS OF HEATHLAND FLORA AT BRADLEY.

There is a part of Bradley, comprising several fields, where relics of the old heathland flora still flourish. They include: Dyer's Greenweed *Genista tinctoria* L., Marsh Pennywort *Hydrocotyle vulgaris* L., Swamp Bedstraw *Galium uliginosum* L., Saw-wort *Serratula tinctoria* L., Centaury *Erythraea Centaurium* Pers., Marsh Speedwell *Veronica scutellata* L., Marsh Arrowgrass *Triglochin palustre* L., Cotton Grass *Eleocharis palustris* L., Bristle Scirpus *S. setaceus* L., *Carex fulva* Host, Paniced Sedge, *C. paniculata* L., Blue Moor-grass *Molinia cærulea* Mœnch, Gt. Horsetail *Equisetum maximum* Lam, and Smooth Horsetail *E. limosum* L.

SYSTEMATIC LIST.

Wood Anemone. *A. Nemorosa* L. A purple-flowered form is frequent on Priestcliffe Lees, Buxton (F.T. and R.H.H.).

Columbine. *Aquilegia vulgaris* L. Dimmings Dale, Ashford, plentiful, in association with *Rubus saxatilis* L. (B.F.C.).

Marsh Watercress. *Nasturtium palustre* D.C. Duke's Drive, Buxton (R.H.H.).

Treacle Mustard. *Erysimum cheiranthoides* L. Norbury goods yard.

Brassica Napus L. Chelmorton; Serpentine Walk, Buxton (F.T.H.).

Black Mustard. *B. nigra* L. Cultivated land, Kniveton.

Hoary Cress. *Lepidium Draba* L. Ashbourne goods yard, a large colony.

Mountain St. John's-wort. *Hypericum montanum* L. Biggin Dale, plentiful (F.T. and R.H.H.).

Imperforate St. John's-wort. *H. dubium* Leers. Chapel South Station (B.F.C.).

Meadow Cranesbill. *Geranium pratense* L. A white-flowered form has been noticed nr. Bradbourne for about 20 years.

Long-stalked Cranesbill. *G. pusillum* L. Coombs Dale, nr. Calver (R.H.H.).

Common Buckthorn. *Rhamnus catharticus* L. Lane from Holbrook to Beighton, and roadside hedge between Spinkhill Station and High Moor, in small quantity in both localities (J.B.). Nr. Kniveton Wood; nr. Alkmonton.

Restharrow. *Ononis repens* L. Old quarry above Pike House, Thorpe.

Bird's-foot. *Ornithopus perpusillus* L. Breadsall Moor (W.H.S.).

Wild Plum. *Prunus institia* L. Roadside between Yeaveley and Alkmonton.

Stone Bramble. *Rubus saxatilis* L. Dimmings Dale, nr. Ashford (B.F.C.).

Hautboy Strawberry. *Fragaria elatior* Ehrh. Chee Dale, and above Chee Tor (R.H.H.).

Spring Potentilla. *P. verna* L. Between Hartington and Beresford Dale (F.T. and R.H.H.).

Agrimonia odorata (Gouan) Mill. Lathkill Dale; Dimmings Dale, nr. Ashford (R.H.H.).

Whitebeam. *Pyrus Aria* (L), Ehrh and *P. rupicola* Hedl. Together on rocks above Chee Tor (R.H.H.).

Round-leaved Sundew. *Drosera rotundifolia* L. A limited colony in a bog nr. Wirksworth. (C.S.G.).

Spiked Water Milfoil. *Myriophyllum spicatum* L. Plentiful in canal nr. Killamarsh (J.B.). Henmore brook, Ashbourne.

Water Purslane. *Peplis Portula* L. Combs Lake, nr. Chapel-en-le-Frith (R.H.H.).

Marsh Pennywort. *Hydrocotyle vulgaris* L. By Grinds Brook, Edale: appears to be uncommon in the Peak District (R.H.H.).

Shepherd's Needle. *Scandix Pecten-Veneris* L. Railway track nr. Millers Dale (B.F.C.).

Parsnip. *Peucedanum sativum* L. Recorded by Linton over 40 years ago 'nr. Trent station': still there (R.H.H.).

Elder. *Sambucus nigra* L. var. *laciniata* L. roadside hedge, Knockerdown, nr. Hognaston.

Swamp Bedstraw. *Galium uliginosum* L. Ramsley Moor between Owler Bar and Baslow (J.B.).

Red Valerian. *Kentranthus ruber* (L.) Dr. Naturalised in old quarry, Kniveton, with several other garden escapes.

Cornsalad. *Valerianella olitoria* Poll. Monsal Dale (R.H.H.).

Keeled Cornsalad. *V. carinata* Loisel. Nr. Raven's Tor, Millers Dale; nr. the weir, Monsal Dale (R.H.H.).

Blue Fleabane. *Erigeron acris* L. Nr. Bolsover, in

fair quantity (W.H.S.). Old quarry, Kniveton; roadside, Bradley, on dumped soil.

Sneezewort. *Achillea Ptarmica* L. Combs Lake, Chapel-en-le-Frith, abundant (R.H.H.).

Achillea macrophylla. A fair amount of this garden escape by the Derwent, Bubnell, Baslow (J.B.).

Marsh Cudweed. *Gnaphalium uliginosum* L. Combs Lake, Chapel-en-le-Frith: abundant here, uncommon elsewhere in the Peak (F.T. and R.H.H.).

Tansy. *Tanacetum vulgare* L. Railway - side, nr. Whatstandwell (R.H.H.). Chapel South Station (B.F.C.). Green Lane, Clifton.

Viscous Groundsel. *Senecio viscosus* L. Well established in the vicinity of Cresswell Colliery (F.T.H.). Railway - side, Monsal Dale, Cromford, Matlock (R.H.H.).

S. vulgaris L. var. *radiatus* Koch. Nineteen plants together, Buxton gardens (R.H.H.). One plant, garden weed, Ashbourne.

Dwarf Thistle. *Cirsium acaule* (L.) Weber. Nr. Repton Rocks (W.H.S.).

Scotch Thistle. *Onopordon acanthium* L. Cresswell Colliery railway sidings, a dozen plants (F.T.H.).

Saw-wort. *Serratula tinctora* L. Markland Grips, nr. Clowne (J.B.). Longcliff; Kniveton.

Marsh Hawksbeard. *Crepis paludosa* Mœnch. One plant, Ashwood Dale, but plentiful in Grin Plantation about a mile away (F.T.H.).

Hawkweeds. The following notes on these have been received from Mr. J. E. Lousley:—

Specimens of the following collected by J. E. Lousley, August, 1946, are in Herb., Lousley. In some cases they were also collected by other members of the party.

Hieracium. Det. H. W. Pugsley, 12/12/46.

H. pellucidum Laest. Deep Dale.

H. grandidens Dahlst. Deep Dale.

H. holophyllum. W. R. Lint. Masson Hill, above Bonsall.

H. lachenalii Gmelin. Masson Hill, Bonsall; Hassop Edge, Calver; Coombs Dale; Deep Dale; Grin Plantation, Buxton. Apparently the most common Hawkweed in flower in early August and very variable. The forms with broad leaves growing in shade in the Grin Plantation are a great contrast to the rather narrow, dark-leaved forms on the adjacent lime-ash heaps, but the differences are compatible with the habitats.

H. prenanthoides Vill. Railway bank, Miller's Dale. Shown to us by F. T. and R. H. Hall and named without comment by Mr. Pugsley.

Clustered Campanula. *C. glomerata* L. A few white-flowered plants with the type nr. Parsley Hay.

Hybrid Bilberry. *Vaccinium intermedium* Ruthe (*V. Myrtillus* L., *Vitis-idaea* L.). This hybrid was found in two places on Salter Sitch above Owler Bar at an altitude of about 1,100 ft. Possibly less rare than was formerly thought. Det. Mr. A. J. Wilmott (J.B.).

Marsh Andromeda. *A. Polifolia* L. Axe Edge. Recorded here by Linton (R.C.).

Wild Polyanthus. *Primula variabilis* Goupel. Ravensdale (R.H.H.).

Creeping Jenny. *Lysimachia Nummalaria* L. roadside between Allestree and Flaxholme, Duffield, rather a long way from cultivation to be a simple escape (C.S.G.).

Yellow-wort. *Blackstonia perfoliata* Huds. Nr. Bolsover, in fair quantity (W.H.S.).

Greater Bindweed. *Calystegia sepium* Br. var *silvestris*. The variety with a particularly large flower with an inflated calyx has been noticed this year at Parwich, Ashbourne, Hulland, Kniveton, Wyaston, and Rodsley; pink-flowered in the last two localities. According to Loudon's 'Encyclopædia of Plants' it was introduced from Hungary early in the 19th century.

Dark Mullein. *Verbascum nigrum* L. Old quarry nr. Thorpe Cloud (R.H.H.).

Lesser Snapdragon. *Linaria mino* (L.) Desf. Field waste near Steetly Quarry (J.B.).

Eyebright. *Euphrasia anglica* Pugsley. Dimmings Dale, nr. Ashford, frequent (R.H.H.). The following notes on these have been received from Mr. J. E. Lousley:—

Euphrasia. teste H. W. Pugsley, 12/12/46.

E. anglica Pugsley. Quarry, Coombs Dale, Calver; pasture above via Gellia; Priestcliffe Lees, Miller's Dale.

E. nemorosa. Lohr var. *collina* Pugsley. Quarry, Coombs Dale, Calver.

E. brevipila. Burm. and Gremli. Lane below High Rake, Calver (abnormal).

E. pseudo-kernerri. Pugsley ? A plant which occurs very sparingly on scree, Burfoot, Miller's Dale recalls the Surrey plant in its large flowers, but the corolla tube does not appear to elongate. Mr. Pugsley noted on my specimens 'Near this, but not identical.' Similar material was collected in v.-c. 39, Staffs., near Castle Cave, Ilam.

Mentha rotundifolia Huds X *longifolia* Huds. Roadside ditch, Marston Common.

Peppermint. *M. piperita* L. Derwent bank, Darley Abbey (W.H.S.). Roadside ditch, Darley Moor, nr. Cubley.

Bee Nettle. *Galeopsis speciosa* Mill. One plant, Cunningdale, Buxton (F.T.H.). Longdale, nr. Parsley Hay.

Shore-weed. *Littorella uniflora* Aschers. Margin of Coombs Lake, Chapel-en-le-Frith (B.F.C.).

Annual Knavel. *Scleranthus annus* L. Nr. 'The Cock,' Mugginton, in quantity (W.H.S.). Hulland; Ednaston.

Spurge Laurel. *Daphne Laureola* L. Ravensdale, in some considerable quantity (J.B.) and (R.H.H.).

Broad-leaved Helleborine. *Epipactis latifolia* All.

Dr. R. G. Abercrombie has supplied the following description of the small plant which has been found near Hathersage:—

'The diminutive variety noted in the "Record" for 1942 was observed this year in several situations in a wood near Hathersage, presenting the following characters: stem solitary, slender, weakly ascending, about one foot high or less. No creeping rhizome. Roots in a compact tassel. Leaves delicate in texture, faintly lined; lower leaves ovo-lanceolate, upper leaves lanceolate to linear. Sheaths absent or slight. Flowers small, not numerous, widely expanded, whitish green, sometimes faintly rose; lip thin, smooth, with pointed tip; cup brown, devoid of nectar. Rostellum small, of brief duration, soon withering; pollinia overhanging stigma when mature; apparently self-pollinated (R.G.A.).

Early Purple Orchis. *O. mascula* L. A white-flowered form seen in Biggin Dale. (F.T. and R.H.H.).

Fly Orchis. *Ophrys muscifera* Huds. Two plants, Via Gellia.

Daffodil. *Narcissus Pseudo-Narcissus* L. Still found in great abundance not far from Derby.

Crow Garlic. *Allium vineale* L. var. *bulbiferum* Syme. Hartington, in several places (F.T.H.).

Yellow Gagea. *G. lutea* (L.). Ker-Gawler. Small patch with few flowers on the drive above Cresswell Crags and near the Derby-Notts. boundary. A fairly large patch by the stream above the ravine in Cressbrook Dale, but no flowers found (J.B.).

Luzula multiflora Lej. Hill opposite Miller's Dale Station (F.T.H.). Bradley Wood.

Gibbous Duckweed. *Lemna gibba* L. Canal, Renishaw (J.B.).

Flowering Rush. *Butomus umbellatus* L. Canal, Killamarsh (J.B.).

Pondweed. *Potamogeton Lintoni* Fryer (*P. crispus*

X P. Friesii). Still in canal at Renishaw: det. Dandy and Taylor (J.B.).

P. compressus L. Canal, Cromford, 1946 (E.C.W.).

P. Friesii Rupr. Canal, Cromford, 1946 (E.C.W.).

Blysmus compressus (L.) Pers. Chee Dale (B.F.C.).

Carex helodes Link. Axe Edge (R.H.H.).

C. fulva (Host.). Nr. the Bradley Brook.

C. lepidocarpa Tausch. Chee Dale (R.H.H.).

Fingered Sedge. *C. digitata* L. In association with *C. ornithopoda* Willd (which is locally plentiful) in Ravensdale (R.H.H.).

Pale Sedge. *C. pallescens* L. Job's Wood, Bradley, and nr. the Blake House, Osmaston; one clump only in each case.

C. polyphylla. Kar and Kin. On carboniferous limestone, Coombs Dale, nr. Calver, det. Mr. E. Nelmes (J.B.). Roadside nr. Alport; hedge-bank in lane, Cromford; Lathkill Dale (E.C.W.).

Hair-grass. *Aira caryophyllea* L. Haven Hill, Bradbourne, Thorpe Pasture; field above Bradley Wood.

Early Aira. *A. præcox* L. Ednaston.

Glyceria declinata Bréb. Brassington.

Festuca rigida (L.) Kunthe. Thorpe Pasture.

Bromus lepidus Holmb. Hognaston Winn, on dumped soil.

Lolium multiflorum Lam. X *perenne* L. Field waste nr. Steetly Quarry, det. Mr. C. E. Hubbard (J.B.).

Gt. Horsetail. *Equisetum maximum* Lam. Gaskin's Carr, Bradley Brook.

Green Spleenwort. *Asplenium viride* Huds. Back Dale, nr. Buxton (W.H.S.). Two plants in rocks nr. Parsley Hay Station.

Mountain Fern. *Dryopteris* *Oreopteris* Ehrh. Swann's Canal, Buxton, 1946 (R.H.H.).

Limestone Polypody. *Polypodium calcareum* Sm. Back Dale, nr. Buxton (W.H.S.).

Rusty-back. *Ceterach officinarum* D.C. Eleven plants seen at Ford, above Eckington (J.B.).