

BOTANICAL RECORD FOR DERBYSHIRE, 1943.

By KATHLEEN M. HOLLICK.

Again I wish to thank those who have kindly helped me and whose initials follow their notes:—Miss M. L. Bond, Dr. R. G. Abercrombie, Messrs. J. Brown, C. L. Collenette, H. F. Dovaston, F. T. and R. H. Hall, and W. H. Somers. I am responsible for all notes without initials. I hoped to make a record of Water Crowfoot species in the county this year, but the notes received were insufficient to give an accurate idea of distribution. The following however may be of interest.

Ranunculus fluitans Lam. The commonest species in quickly running water. Dovedale. Common about Derby (W.H.S.). A little in the Wye, Topley Pike; Wye Valley to Monsal Dale and Millers Dale (F.T.H.). Fenny Bentley Brook. Plants from the two last-named localities had hairy receptacles and carpels (see remarks under this species in Linton's Flora), though possibly some of these may have been *pseudo-fluitans*.

R. circinatus Sibth. Canal, Ambergate (W.H.S.). Near Brailsford Mill, and Ashbourne Hall Pond, in quantity.

R. trichophyllus Chaix. Small pond at Blore, N. Staffs., about threequarters of a mile from the Derbyshire boundary.

R. Drouettii F. Schultz. Pond nr. Cressbrook Mill (J.B.)

R. peltatus Schranke. The commonest species in still water. Frequent around Derby (W.H.S.) and Ashbourne. Not particular as to soil. Very variable in size and leaves. A very robust form (flowers 25 mm. diameter) in a pond at Longcliff, on limestone, altitude about 1000 ft. (C.L.C.). A more slender form grows at Minninglow, not far away.

R. pseudo-fluitans Baker and Foggit. Dovedale. A small reservoir at Snelston covered with it (identification confirmed at Kew).

R. hederaceus L. Mugginton (W.H.S.). In many places on gritstone, nr. Buxton; Washgate; Hollinsclough. Not found on limestone (F.T.H.). Common around Ashbourne; Hulland Moss.

R. Lenormandi F. Schultz. Common about Hathersage (R.G.A.). Plentiful on shale, muddy rills. Mam Gap, Edale (R.H.H.). Jagersclough, Kinderscout (J.B.).

SYSTEMATIC LIST.

Celery-leaved Crowfoot. *Ranunculus sceleratus* L. Pebley Pond, Barlborough (J.B.).

Green Hellebore. *Helleborus viridis* L. Now four or five plants, Thorpe (C.L.C.); Tissington (R.G.A.).

Marsh Watercress. *Nasturtium palustre* D.C. Pebley Pond, Barlborough, in quantity (J.B.); Bradley. Often appears on the dry cinder railway track, Clifton, a strange situation for a marsh plant.

Greater Watercress. *N. amphibium* Br. Melbourne Pool (W.H.S.).

Narrow-leaved Bittercress. *Cardamine impatiens* L. Ashwood Dale, in quantity, seldom appearing in the same spot 2 years in succession (F.T.H.). Also seen recently near Ashbourne; Wolfscole Dale; and Matlock area.

Dame's Violet. *Hesperis matronalis* L. Locally plentiful about Buxton on limestone and gritstone. Has now extended its range to Grin Plantation (F.T.H.). Chee Dale (J.B.).

Treacle Mustard. *Erysimum cheiranthoides* L. Rubbish dump, Clifton.

Black Mustard. *Brassica nigra* Koch. Rubbish dump, Clifton.

Eruca sativa Lam. This Mediterranean plant is becoming frequent as a weed of cultivation, Ashbourne district.

Hoary Whitlow Grass. *Draba incana* L. Extending slowly on limestone. Plentiful in Blackwell Dale. A little in Deepdale. Not yet observed on gritstone (F.T.H.).

Alpine Pennycress. *Thlaspi alpestre* L. var. *virens* Jord. Local but plentiful in Bradford Dale (R.H.H.) (R.G.A.). Also seen recently below Black Rocks, Cromford.

Rock Hutchinsia. *Hutchinsia petraea* L. In many limestone dales, and has lately seemed more plentiful around Buxton (F.T.H.).

Swinecress. *Coronopus Ruellii* All. Markeaton (W.H.S.). Ashbourne Green.

Marsh Violet. *Viola palustris* L. Mugginton (W.H.S.). Osmaston, Hulland Moss.

Maiden Pink. *Dianthus deltoides* L. A vigorous patch, apparently wild, between Longcliff and Rainster Rocks (C.L.C.).

Nottingham Catchfly. *Silene nutans* L. Cressbrook Dale; Tideswell Dale (J.B.); Monsal Dale (H.F.D.); Dovedale.

Water Stitchwort. *Stellaria aquatica* Scop. Markeaton (W.H.S.).

Mountain St. John's-wort. *Hypericum montanum* L. Head of Monksdale (J.B.).

Mountain Cranesbill. *Geranium pyrenaicum* Burm. f. Well established at Cowdale, nr. Buxton (F.T.H.).

Long-stalked Cranesbill. *G. columbinum* L. A few plants, Millers Dale (J.B.). Dovedale.

Impatiens glandulifera Royle. Established in many parts of the county. By R. Derwent, Grindleford (R.G.A.); Abundant at Beighton, also about Eckington and Renishaw (J.B.).

Spindle Tree. *Euonymus europaeus* L. Dovedale, in some quantity.

Upright Restarrow. *Ononis spinosa* L. Derby (W.H.S.).

Toothed Medick. *Medicago hispida* Gaertn. Cornfield, Longcliff.

Subterranean Clover. *Trifolium subterraneum* L. Sawley (W.H.S.). Linton only records two localities for this, one being Sandiacre, in the neighbourhood of this new discovery.

Slender Clover. *T. filiforme* L. Sawley (W.H.S.); nr. Ashbourne. Possibly often overlooked, more common than Linton's few records lead one to suppose.

Narrow-leaved Vetch. *Vicia angustifolia* Roth. Ednaston.

Bird-cherry. *Prunus Padus* L. Chee Tor (C.L.C.); Dovedale; Bradley.

Dropwort. *Spiraea filipendula* L. Tideswell Dale (J.B.). A remarkably fine show of this very beautiful plant in Back Dale, nr. Buxton (F.T.H.).

Cloudberry. *Rubus Chamaemorus* L. Several large patches on Kinderscout at about 2088 ft. (J.B.).

Evening Primrose. *Oenothera biennis* L. Roadside, Derby to Little Eaton (W.H.S.).

White Stonecrop. *Sedum album* L. Wall by roadside, Hope to Edale, perhaps of garden origin (J.B.).

Mountain Currant. *Ribes alpinum* L. Not uncommon in limestone dales; a little on gritstone at Washgate (F.T.H.).

Sundew. *Drosera rotundifolia* L. Jagersclough, Kinderscout, a little (J.B.); Hulland Moss.

Marestail. *Hippuris vulgaris* L. Tissington Dam, in profusion.

Lesser Apium. *A. inundatum* Reichb. Pebley Pond, Barlborough (J.B.).

Lesser Water-parsnip. *Sium erectum* Huds. R. Dove, near Hanging Bridge.

Hogweed. *Heracleum Sphondylium* L. var. *angustifolium* Huds. Several stations near Buxton (F.T.H.). Tideswell Dale (J.B.).

Danewort. *Sambucus Ebulus* L. A large patch, Monsal Dale (H.F.D.).

Pyrenean Valerian. *Valeriana pyrenaica* L. Hopton Hall woods, naturalised.

Keeled Cornsalad. *Valerianella carinata* Lois. Near Bradbourne (C.L.C.).

Cat's-ear. *Antennaria dioica* Gaertn. Grin Wood; Countess Cliff; very fine specimens in Back Dale (F.T.H.).

Wild Chamomile. *Matricaria Chamomilla* L. Near Beighton (J.B.).

Wormwood. *Artemesia Absinthium* L. Abundant on waste ground at Woodville and Swadlincote (F.H.T.).

Leopards-bane. *Doronicum Pardalianches* L. Hopton Hall woods, naturalised (C.L.C.).

Saw-wort. *Serratula tinctoria* L. Near Ashbourne Green; Longcliff.

Melancholy Thistle. *Carduus heterophyllus* L. Common and increasing about Buxton; var. *laciniosum* Norrl. Lovers Leap, Buxton; Grin Plantation (F.T.H.).

Cornflower. *Centaurea Cyanus* L. One plant in a cornfield, Ashbourne.

Star-thistle. *C. Calcitrapa* L. One plant near Hanging Bridge (M.L.B.).

Ox-tongue. *Helminthia echiooides* Gaertn. Garden weed, Buxton (F.T.H.).

Hawkweed Picris. *P. hieracioides* L. Above Ashwood Dale; Deep Dale (F.T.H.); Longcliff.

Marsh Hawksbeard. *Crepis paludosa* Moench. Jaggerscough, Kinderscout (J.B.); Hopton.

Clustered Campanula. *C. glomerata* L. Plentiful N. end of Longdale (C.L.C.).

Nettle-leaved Campanula. *C. Trachelium* L. Water-cum-Jolly Dale (J.B.).

Oxlip. *Primula variabilis* Goupel. One clump, Longcliff.

Centaury. *Erythræa Centaurium* Pers. Quarry by Pebley Pond, Barlborough (J.B.). Large masses of it in Dovedale.

Yellow-wort. *Blackstonia perfoliata* Huds. Near Barlborough (J.B.), very rare in the county.

Symphytum peregrinum Ledeb. Hopton.

Thorn-apple. *Datura Stramonium* L. Three plants appeared in a garden at Bradbourne, possibly introduced in manure (C.L.C.).

Dark Mullein. *Verbascum nigrum* L. Several plants between Longcliff and Rainster Rocks (C.L.C.).

Gt. Snapdragon. *Anthirrinum majus* L. In quantity, river shingle, Swarkestone (M.L.B.).

Pale Toadflax. *Linaria repens* Mill. Established 14 years on railway ballast at Thornhill near Bamford (R.G.A.), well established on a tip, and in walls at Ashbourne.

Lesser Toadflax. *L. Minor* Desf. In profusion on a railway track, Friden (C.L.C.); also in a like situation at Clifton.

Marjoram. *Origanum vulgare* L. var. *megastachyum* Link. Bradford Dale; Dovedale (F.T.H.).

Lesser Skullcap. *Scutellaria minor* L. Ouzeldon Clough; Derwent Valley (J.B.).

Red Goosefoot. *Chenopodium rubrum* L. Pebley Pond, Barlborough (J.B.); garden weed, Ashbourne.

Rumex alpinus L. Near Dore (H.F.D.).

Pale Polygonum. *P. lapathifolium* L. Cultivated land, Ashbourne, both the pale and the pink vars.

Potamogeton polygonifolius Pourr. Jagersclough (J.B.).

Fragrant Orchis. *Habenaria conopsea* L. var. *densiflora* Wahl. Grin Plantation, Buxton (F.T.H.).

Frog Orchis. *H. viridis* Br. var. *bracteata* Gray. Seems more frequent than the type in Buxton district: S.W. of Grinlow tower; Ashwood Dale; Grin Plantation (F.T.H.).

Bee Orchis. *Ophrys apifera* Huds. One plant, Markland Grips (J.B.).

Herb Paris. *P. quadrifolia* L. Longcliff.

Field Garlic. *Allium oleraceum* L. Deepdale near Buxton (F.T.H.).

Crow Garlic. *A. vineale* L. var. *compactum* Thuill. Monsal Dale (F.T.H.).

Bristle Scirpus. *S. setaceus* L. Jagersclough, Kinderscout (J.B.).

Prickly Sedge. *Carex spicata* Huds. Near Froggat Bridge (J.B.); dry roadside, Clifton (identification confirmed at Kew).

C. divisa Stokes. Rodsley.

Acute Sedge. *C. acuta* L. Clifton.

Birdsfoot Sedge. *C. ornithopoda* Willd. Water-cum-Jolly Dale (J.B.).

Mountain Sedge. *C. montana* L. Still plentiful on Markland Grips (J.B.).

Pale Sedge. *C. pallescens* L. Near Shirley Wood.

Bottle Sedge. *C. rostrata* Stokes. Marsh below Bradley Wood.

Hairgrass. *Aira caryophyllea* L. Dovedale.

Upright Brome. *Bromus erectus* Huds. Quarry near Pebbley Pond, Barlborough (J.B.). A plant appeared as a casual some years ago near Ashbourne.

B. racemosus Parl. Cultivated land, Osmaston.

B. pratensis Ehrh. Clifton goods yard.

B. Britannicus. I. A. Williams. Cultivated land, Ednaston.

Hard Poa. *P. rigida* L. Old wall near Cresswell (J.B.); Birchwood Quarry (M.L.B.); Parwich; Red House, Thorpe. This seems more common than Linton's few records would lead one to expect. Probably overlooked.

Flattened Poa. *P. compressa* L. Near Dore (H.F.D.); with the above near Cresswell (J.B.).

Wood Poa. *P. nemoralis* L. Clifton Cross.

Gt. Horsetail. *Equisetum Telmateia* Ehrh. Cement railway tank below Black Rocks, Cromford; near Thorpe Cloud Station (C.L.C.). Biggin-by-Hulland; near Ashbourne Green.

Wood Horsetail. *E. sylvaticum* L. Biggin-by-Hulland.

Adders Tongue. *Ophioglossum vulgatum* L. Ladmanlow is the only locality known to (F.T.H.) in the Buxton district.

Limestone Polypody. *Polypodium Robertianum* Hoffm. Cressbrook Dale; Water-cum-Jolly Dale (J.B.).

Prickly Shieldfern. *Polystitchium angulare* Presl, and *Aspidium aculeatum* Sw. A fine colony of these two beautiful ferns growing together at Boylestone.

Sweet Mountain Fern. *Aspidium Oreopteris* Sw. By the new road to Derwent (J.B.).

Black Maidenhair Spleenwort. *A. Adiantum-nigrum* L. Still survives at Doveridge.

Rusty-back. *Ceterach officinarum* D.C. For many years thought to be extinct in Derbyshire. Now known in several places, one not hitherto recorded being Coombs, near Chapel-en-le-Frith, where nine specimens were counted (F.T.H.); a flourishing colony on rocks just over the Staffs. border N. of Dovedale.

MOSSES.

Fox-tail Frond Moss. *Porotrichium angustifolium* Dixon. Linton has only one locality for this very rare moss—Cressbrook Dale. Re-located, in excellent condition, by (F.T. and R.H.H.).

Sphagnum. According to Linton, none of the Sphagna has been recorded for limestone. A specimen—probably *S. acutifolium*, but confirmation needed—was gathered by (F.T.H.) in Millers Dale, 1942.