

## PLANT RECORDS

Compiled by E. C. WALLACE.

Records are for the year 1947 when no date is given.

The following signs are used:—

- § before the *B.P.L.* number: to indicate that the paragraph contains information necessitating a correction in the annotated copy of the *Comital Flora*.
- † before the *B.P.L.* number: to indicate that the plant is not a native species in the British Isles.
- ‡ before the record: to indicate a native species which is not native in the locality recorded.
- \* before the record: to indicate new vice-county records, not published previous to the year of the Report.
- ‡ before the record: to indicate records additional to the annotated copy of *Comital Flora*, published previous to the year of the Report.
- [ ] enclosing a record: to indicate doubt as to the validity of the record, either of identification or locality.

§1/1. *CLEMATIS VITALBA* L. \*†73, Kirkc.; on coast near Knockbrenn, 1947, H. MILNE-REDHEAD.

1/1c. *CLEMATIS VITALBA* L. var. *TIMBALI* Drabble. 10, Wight; this striking variant described in *Journ. Bot.*, 70, 83 (1932), was again collected in a hedge at Thorley by Dr R. C. L. BURGESS, comm. J. E. LOUSLEY.

†1/2. *CLEMATIS VITICELLA* L. 21, Middx.; Scratch Wood, Edgwarebury, L. J. JOHNS, det. and comm. D. H. KENT.

2/2(8). *THALICTRUM UMBROSUM* Butcher. 69b, Lake Lancs.; shores of Coniston Water at Water Park, 1947, R. QUIRK, confirmed by A. J. WILMOTT.

6/6. *RANUNCULUS LINGUA* L. 15, E. Kent; abundant in the R. Beult, near Headcorn, 1947—the only known truly inland Kentish locality at the present time, F. ROSE.

6/7h. *RANUNCULUS FLAMMULA* var. *PETIOLARIS* Lange ex E. S. Marshall. 108, W. Suth.; margin of Loch a Mhuilinn, south of Sandwood Bay, Cape Wrath, 1947, C. W. MUIRHEAD, comm. CARLISLE MUS. as *R. scoticus* E. S. Marshall.

6/22. *RANUNCULUS TRICHOPHYLLUS* Chaix. 21, Middx.; pools on Staines Moor and Shortwood Common, Staines, D. H. KENT.

6/23. *RANUNCULUS DROUETII* F. Schultz. 108, W. Suth.; stream by the church at Balnakeil, Durness, 1946, C. W. MUIRHEAD, comm. CARLISLE MUS.

6/28c. *RANUNCULUS BAUDOTII* Godron var. *MARINUS* (Fries) Druce. 96, E. Inverness; ditch near Beaully river, Windhill, Beaully, 1947, E. C. WALLACE.

11/1. *AQUILEGIA VULGARIS* L. †21, Middx.; meadow near Ruislip Common, probably a garden escape, S. BATKO and D. H. KENT.

31/1. *CORYDALIS CLAVICULATA* (L.) DC. 24, Bucks.; Rowley Wood near Stoke Poges, J. M. B. KING, det. and comm. D. H. KENT.

36/2. *BARBAREA VERNA* (L.) Asch. 3, S. Devon; near Tavistock, 1946, C. WEST.

36/5. *BARBAREA INTERMEDIA* Boreau. 1, W. Cornw.; near Redruth, 1946, C. WEST.

37/5. *ARABIS PETRAEA* (L.) Lam. 108, W. Suth.; shingle on River Dionard, R. B. ABELL, det. A. J. WILMOTT.

†42/9. *ALYSSUM INCANUM* L. 20, Herts.; near Letchworth, where tanks were parked for repair during the war, 1947, A. GAVIN JONES, det. and comm. A. J. WILMOTT.

§45/7. *COCHLEARIA DANICA* L. \*†30, Beds.; East Hyde, on railway ballast, 1947, J. G. DONY, det. N. Y. SANDWITH.

49/2. *SISYMBRIUM SOPHIA* L. †21, Middx.; abundant on a rubbish tip near Greenford, and on a road verge at Whitton Avenue East near Sudbury Hill, D. H. KENT: a single plant on a rubbish tip at Hanwell, B. WELCH and D. H. KENT.

†49/4. *SISYMBRIUM ORIENTALE* L. S, Guernsey; frequent on L'Ancrese Common, 1947; not mentioned in the Flora but recorded in 1923 Supp., D. McCLINTOCK.

†49/5. *SISYMBRIUM IRIO* L. 21, Middx.; this reappeared in June 1947 in the locality just outside the boundary of the City of London, where it was found by the late Mrs Evetts—cf. *B.E.C. 1945 Rep.*, 52, 1947—it is not on a bombed site, J. E. LOUSLEY.

49/6b. *SISYMBRIUM OFFICINALE* (L.) Scop. var. *LEIOCARPUM* DC. †21, Middx.; rubbish tip, Hounslow Heath, H. BANKS and D. H. KENT: rubbish tip, Hanwell, J. E. LOUSLEY and D. H. KENT: waste ground by Kew Bridge, D. H. KENT.

+52/1. *CAMELINA SATIVA* Crantz. 21, Middx.; rubbish tip, Hanwell, D. H. KENT.

54/4d. *BRASSICA RAPA* L. var. *BRIGGSII* Wats. 49, Caern.; Pen-isar-waen, 2 miles N.E. of Llanrug—here this annual Turnip was abundant in arable fields and from the similar colonising of fields as seen from a car it is believed that it is widespread in Caernarvonshire, J. E. LOUSLEY, Dr C. WEST and J. E. WOODHEAD.

+54/16. *BRASSICA JUNCEA* COSS. 21, Middx.; rubbish tip, Hanwell, N. Y. SANDWICH and D. H. KENT, det. N.Y.S.: cultivated land, South Mimms and waste land, Arnos Grove; bombed site, West Ealing; canal bank at Cowley; banks of River Brent, Perivale; roadside at Sudbury Hill and in Hyde Park, D. H. KENT. 34, W. Glos.; Sharpness Docks, R. B. ABELL, det. at KEW.

+54/18(2). *BRASSICA INTEGRIFOLIA* (West) O. E. Schulz var. *CARINATA* (A. Br.) O. E. Schulz. 17, Surrey; rubbish tip, Mortlake, 1941, N. Y. SANDWICH [Ref. no. 3258].

+54/20. *BRASSICA GALICA* (Willd.) Druce. 17, Surrey; Lower Birtley Farm, Witley, 1947, G. M. ASH, confirmed by A. J. WILMOTT.

§+54/22. *BRASSICA INCANA* (L.) F. Schultz. 30, Beds.; Leighton Buzzard, 1947, T. BLUNDELL and J. G. DONY, det. A. J. WILMOTT.

55/2. *DIPLLOTAXIS MURALIS* (L.) DC. +70, Cumb. (district 3); garden weed at Blaithwaite House, Wigton, 1947, J. PARKIN, comm. CARLISLE MUS.

+61/24. *LEPIDIDIUM NEGLECTUM* Thell. 17, Surrey; rubbish tip by the Thames at Mortlake, 1947, N. Y. SANDWICH [Ref. No. 3202]. 21, Middx.; rubbish tip, Uxbridge Moor, D. H. KENT.

§65/1. *IBERIS AMARA* L. \*+47, Mont.; along railway line near Llandovey Junction, R. B. ABELL.

+74/2. *BUNIAS ORIENTALIS* L. 22, Berks.; Didcot Station, a large clump beside the line, 1942, J. N. MILLS.

75/1. *CRAMBE MARITIMA* L. 70, Cumb. (district 2); sea-shore at Maryport, 1947, Mrs D. BLEZARD, comm. CARLISLE MUS.

+76/3. *RAPISTRUM RUGOSUM* (L.) All. 21, Middx.; cinder heap at foot of Horsenden Hill, Greenford, D. H. KENT.

93/1. *TUNICA PROLIFERA* (L.) Scop. S, Jersey; N. slopes of Quenvais, a patch with white flowers, 1947, D. McCLINTOCK.

98/3. *LYCHNIS ALBA* Mill. S, Guernsey; one plant only by Fort Doyle, 1947, Flora says "very rare," and quotes only stations in the south, D. McCLINTOCK.

§100/4. *CERASTIUM ARCTICUM* Lange. \*105, W. Ross; in mossy turf, Choinnish Mor, Beinn Eighe, E. C. WALLACE: Coire Mhic Fhearchair, Beinn Eighe, R. MACKECHNIE.

102/8. *ARENARIA TENUIFOLIA* L. 6, N. Som.; Crook Peak, Mendip, J. E. Lousley (*Proc. Bristol Nat. Soc.*, 27, pt. 3, 150, 1946).

103/1. *SAGINA NODOSA* L. 15, E. Kent; locally frequent on Greatstone dune-slacks, Romney—one of the two surviving localities in Kent (Sandwich is the other)—1947, F. ROSE.

103/2. *SAGINA SUBULATA* (Sw.) C. Presl. 108, W. Suth.; rocks at Scourie, R. B. ABELL, det. A. J. WILMOTT.

103/7(2). *SAGINA FILICAULIS* Jord. 3, S. Devon; Dawlish Warren, 1944, C. WEST, confirmed by H. GILBERT-CARTER. 25, E. Suff.; allotments, Brantham, 1947, Miss B. SCHAFER, det. and comm. A. J. WILMOTT.

†108/1. *CLAYTONIA ALSINOIDES* Sims. 69, Westm.; lane below Rus Mickle in Lyth, 1947, J. N. MILLS. 76, Renfrew; near Kilmacolm, 1945 (*Glasgow Nat.*, 15, 77, 1946).

†108/2. *CLAYTONIA PERFOLIATA* Donn. 23, Oxon; road in Oxford, growing on the angle between a wall and the footpath, 1943, J. N. MILLS.

§111/2. *ELATINE HEXANDRA* (Lapierre) DC. \*16, W. Kent; The Upper Lake, Bedgebury, 1947, R. A. BONIFACE, comm. F. ROSE.

§112/12. *HYPERICUM DUBIUM* Leers. 57, Derby.; a few plants on the bank of the R. Dove near Ashbourne, 1947, also in two other localities in the county, K. M. HOLLICK. See Linton, *Fl. Derbysh.*, 88, 1903, for doubted records. Remove brackets in *C.F.*—E.C.W.

112/12×14. *HYPERICUM DUBIUM* Leers × *H. PERFORATUM* L. 16, W. Kent; bank of River Medway near Cannon Bridge, Tonbridge, before 1939, J. P. M. BRENAN, who gave directions by which it was refound in 1947, F. ROSE.

†117/9. *MALVA PARVIFLORA* L. 13, W. Sussex; West Dean, 1947, D. P. YOUNG, det. A. J. WILMOTT.

§123/1. *TILIA PLATYPHYLLOS* Scop. \*69, Westm.; several trees in Barrowfield Wood, near Kendal; time did not permit of adequate observations but the trees observed did not suggest that it was planted—cf. Wilson, *Fl. Westmorland*, 112, 1938, J. E. LOUSLEY.

§124/1. *RADIOLA LINOIDES* Roth. \*47, Mont.; lane leading from main road up to the hills from Derwenlas, R. B. ABELL.

127/4. *GERANIUM PRATENSE* L. 15, E. Kent; grounds of Chilham Castle, D. H. KENT.

§†127/5. *GERANIUM PHAEUM* L. 16, W. Kent; Brasted Hill, Miss BURNABY-ATKINS; 1947, seen by F. ROSE and D. McCLINTOCK. \*42, Brecon; Pen-isa-waen, about 4 miles from Brecon, 1947, T. V. JONES, comm. NAT. MUS. WALES. \*76, Renfrew, Eaglesham, 1945 (*Glasgow Nat.*, 15, 76, 1946).

127/7. *GERANIUM PYRENAICUM* Burm. f. 15, E. Kent; roadside between Wingham and Ash, D. H. KENT.

128/2. *ERODIUM MOSCHATUM* (Burm.) L'Hérit. †16, W. Kent; side of orchard, Marden, 1946, C. WEST, det. J. E. LOUSLEY.

132/1b. *OXALIS ACETOSELLA* L. var. *SUBPURPURASCENS* DC. 5, S. Som.; hedgebanks at Edgcott and at Downscombe, 1947, C. T. AMHERST.

†132/2. *OXALIS CORNICULATA* L. 16, W. Kent; Platt Vicarage, S, Guernsey; not infrequent: in waste ground at Le Donit was a form much larger and stouter in all its parts, D. McCLINTOCK.

133/1. *IMPATIENS NOLI-TANGERE* L. †17, Surrey; near Felbridge Lake on both banks of a stream, 1947, B. M. C. MORGAN, this locality not mentioned in C. E. Salmon's *Flora of Surrey*, but cf. Wolley-Dod, *Fl. Suss.*, 100-101.—E.C.W.

†133/4. *IMPATIENS GLANDULIFERA* Royle. S, Guernsey; near Bailiffs Cross, 1947, D. McCLINTOCK.

§149/3. *ULEX MINOR* Roth. 56, Notts.; Budby South Forest, 1947, J. BROWN. \*70, Cumb.; Kingmoor, Carlisle, 1947, C. W. MUIRHEAD, comm. CARLISLE MUS.

†154/4. *MELILOTUS INDICA* (L.) All. S, Guernsey; a good patch on the W. side of L'Anresse Common, 1947—the *Flora* records only a single specimen from the island, in 1894, D. McCLINTOCK.

155/7d. *TRIFOLIUM ARVENSE* L. var. *LONGISETUM* (Boiss. & Bal.) Boiss. †30, Beds.; Eaton Socon Gravel-pit, D. PIGOTT, det. and comm. J. E. LOUSLEY.

155/11. *TRIFOLIUM STRIATUM* L. 45, Pembr.; near Haverfordwest, 1947, Miss E. BOOTH, comm. A. J. WILMOTT. 49, Caern.; Little Orme's Head, May 1947, Miss W. FROST: mainland, opposite Bardsea, June 1947, Miss B. M. C. MORGAN.

†155/15. TRIFOLIUM HYBRIDUM L. S, Guernsey; L'Ancrese, 1947—*Flora* says "Very rare"! D. McCLINTOCK.

155/18. TRIFOLIUM SUFFOCATUM L. S, Guernsey; L'Ancrese Common, quite frequent—the *Flora* says "Very rare apparently, but . . . very easily overlooked", 1947, D. McCLINTOCK.

†155/32. TRIFOLIUM CONSTANTINOPOLITANUM Ser. 39, Staffs.; a single plant, Burton-on-Trent, R. C. L. BURGESS, det. and comm. J. E. LOUSLEY.

†160/1. LOTUS SILIQUOSUS L. 18, S. Essex; Hockley, 1947, S. T. JERMYN, comm. A. J. WILMOTT.

160/6. LOTUS TENUIS W. & K. †21, Middx.; waste land between Hanwell and Southall, D. H. KENT.

†163/1. GALEGA OFFINALIS L. 70, Cumb. (district 3); L.M.S. station field, Penrith, 1947, W. DAVIDSON and W. ATKINSON, comm. CARLISLE MUS.

176/4. VICIA OROBUS DC. 103, Mid Ebudes; roadside by Loch Cuan, near Dervaig, Isle of Mull; confirms record without locality given by the excursion to Mull (*B.E.C. 1939-40 Rep.*, 249, 1942), Mrs J. S. MUIRHEAD, comm. CARLISLE MUS.

185/57. RUBUS QUESTIERII Lef. & Müll. 3, South Devon; Yennadon Moor, Yelverton, 1946, C. WEST, det. W. WATSON.

187/2. GEUM RIVALE L. 108, W. Suth.; along S. bank of Loch Boralie, Durness, R. B. ABELL.

187/2×1. GEUM RIVALE L. × URBANUM L. 64, M.W. Yorks.; lane by Austwick Beck, with both parents, J. N. MILLS. 69, Westm.; edge of Barrowfield Wood near Kendal, J. E. LOUSLEY, C. WEST and J. E. WOODHEAD.

§190/2. ALCHEMILLA XANTHOCHLORA Rothm. \*30, Beds.; Luton Hoo, 1947, P. TAYLOR and J. G. DONY, det. S. M. WALTERS.

§190/4(2). ALCHEMILLA FILICAULIS Buser. \*93, N. Aberd.; with *A. glomerulans* Buser near river between Edinglassie and Huntley, 1938, A. H. G. ALSTON, det. S. M. WALTERS.

§190/9. ALCHEMILLA ACUTIDENS Buser. \*98, M. Argyll; lower rocks of Beinn Laoigh, 1931, A. J. WILMOTT (3859, 3860B).

191/1. AGRIMONIA EUPATORIA L. 21, Middx.; three plants in Hyde Park near Knightsbridge, D. H. KENT.

193/4. *POTERIUM OFFICINALE* (L.) A. Gray. 21, Middx.; still plentiful in the wilder parts of Ealing Golf Course at Perivale, D. H. KENT.

194. *ROSA*. All specimens determined by Dr R. MELVILLE.

194/14e. *ROSA MICRANTHA* Sm. var. *SEPTICOLA* (Déségl.) Gren. 41, Glam.; Lime Quarry, Newton Nottage, M. THOMAS, 1944, comm. E. VACHELL.

194/19a. *ROSA TOMENTOSA* var. *TYPICA* Christ. 41, Glam.; hedge, Duffryn, 1943, E. VACHELL; Kenfig Hill and Cornelly, 1944, M. THOMAS, comm. E. VACHELL.

194/19f. *ROSA TOMENTOSA* Sm. var. *SCABRIUSCULA* Sm. 41, Glam.; Nash Point, E. VACHELL.

194/19f. *ROSA TOMENTOSA* Sm. cf. f. *MORETONENSIS* W.-D., *B.E.C. Rep.*, 162, 1932. 41, Glam.; Lime Quarry, Newton Nottage, 1944, M. THOMAS, comm. E. VACHELL.

194/20e. *ROSA SHERARDI* Davies var. *PSEUDO-MOLLIS* (E. G. Baker) W.-Dod. 41, Glam.; Kenfig Hill, M. THOMAS, 1943, comm. E. VACHELL.

195/16. *MESPILUS GERMANICA* L. †21, Middx.; two trees near Staines Moor, B. WELCH, comm. D. H. KENT.

199/10. *SAXIFRAGA HYPNOIDES* L. agg. 105, W. Ross; mossy ground, Choinneach Mor, 3000 ft., Beinn Eighe, E. C. WALLACE.

203/2. *CHRYSOSPLENIUM OPPOSITIFOLIUM* L. 18, S. Essex; Little Baddow Common—a rare plant in Essex—1947, F. ROSE.

§211/1b. *SEDUM FABARIA* Koch. \*94, Banff; heathland, Clochan, 1947, Miss M. McCALLUM WEBSTER, det. A. J. WILMOTT.

211/7. *SEDUM ALBUM* L. S, Guernsey; east side of L'Anresse Common, 1947—*Flora* says "very rare," and records it on the west, D. McCLINTOCK.

216/2. *MYRIOPHYLLUM ALTERNIFLORUM* DC. S, Guernsey; in masses in a quarry lake near Vale Church, 1947, D. McCLINTOCK.

216/3. *MYRIOPHYLLUM VERTICILLATUM* L. 21, Middx.; abundant in a backwater of the Paddington Canal north of Southall, D. H. KENT.

217/2. *CALLITRICHE OBTUSANGULA* Le Gall. 15, E. Kent; Willesborough Lees: Ham Fen: Wingham Fen:—all fruiting—1947, F. ROSE.

§217/7. *CALLITRICHE TRUNCATA* Guss. \*15, E. Kent; Dungeness—in a freshwater artificial lake, abundant and fruiting—1947, F. ROSE.

220/1. *EPILOBIUM ANGUSTIFOLIUM* L. 108, W. Suth.; cliffs above Sandwood Bay, 1947, C. W. MUIRHEAD, comm. CARLISLE MUS.

220/7×4. *EPILOBIUM OBSCURUM* Schreb. × *PARVIFLORUM* Schreb. 41, Glam.; St Fagans, 1941, E. VACHELL, det. G. M. ASH.

§+220/7(2). *EPILOBIUM ADENOCALON* Hausskn. \*41, Glam.; Cardiff Castle and gardens in Cardiff, 1947, A. E. WADE: grounds of Rookwood Hospital, Llandaff, 1942, E. VACHELL, det. G. M. ASH.

220/9×10. *EPILOBIUM LANCEOLATUM* Seb. et Maur. × *MONTANUM* L. 17, Surrey; weed in experimental ground, the Herbarium, Kew Gardens, 1947, N. Y. SANDWITH [No. 3220], confirmed by G. M. ASH.

220/10×8. *EPILOBIUM MONTANUM* L. × *ROSEUM* Schreb. (×*E. HETEROCAULE* Borbás). 41, Glam.; Duffryn gardens, 1942, E. VACHELL, det. G. M. ASH.

220/13×14. *EPILOBIUM ALPINUM* L. × *PALUSTRE* L. 96, E. Invern.; shingle in stream bed, Glen Affric, 1947, E. VACHELL, det. G. M. ASH.

+220/17. *EPILOBIUM PEDUNCULARE* A. Cunn. 41, Glam.; thoroughly naturalised on cliff face by small waterfall on a mountain between the Rhondda and Ogmere Valleys at an elevation of approximately 800 ft. associated with *Chrysosplenium oppositifolium*, *Hypericum elodes*, etc.; no habitation within sight, 1947, E. VACHELL, 48, Mer.; Blaenau Festiniog, 1947, Miss L. W. FROST, det. A. J. WILMOTT: near old mine-workings high up in Cwm Nantcol, 1944, J. N. MILLS, det. J. P. M. BRENNAN: Craig y Benglog, at 1000 ft. alt., 1947, Students, Dept. of Botany, U.C.W., Aberystwyth, per E. PRICE EVANS, comm. NAT. MUS. WALES. 49, Caern.; in abundance at 2000 ft. alt., Moel Siabod, 1947, EVAN ROBERTS, comm. NAT. MUS. WALES. 62, N.E. York.; on Blue Bank, Sleights, near Whitby, in wet moss, 1947, T. COCKERLINE, det. and comm. A. J. WILMOTT. 64, Mid-W. Yorks. (L.); in crevices of a damp gritstone retaining wall in the village, Higher Bentham, 1947, D. P. YOUNG, det. A. J. WILMOTT.

239/1. *ERYNGIUM CAMPESTRE* L. 12, N. Hants.; still survives near its old site near Worthing Down, Winchester, which has been ploughed up, 1947, R. QUIRK.

§261/2. *ANTHRISCUS SCANDIX* (Scop.) Asch. \*45, Pembr.; road banks round St David's, frequent, 1947, C. L. COLLENETTE.

265/5. *OENANTHE SILAIFOLIA* Bieb. 17, Surrey; abundant near the R. Eden, east of Lingfield, 1947, F. ROSE.

§+276/5. *PEUCEDANUM OSTRUTHIUM* Koch. \*76, Renfrew; Eaglesham, 1945 (*Glasgow Nat.*, 15, 76, 1946).



†277/1. *HIERACLEUM MANTEGAZZIANUM* Somm. & Lev. 21, Middx.; very abundant on both banks of the River Brent for six or seven miles from Park Royal through Perivale to Greenford, Ealing and Hanwell, D. H. KENT.

§†296/12b. *GALIUM SPURIUM* L. var. *VAILLANTII* DC. \*29, Cambs.; allotments near Ely, Miss M. S. CAMPBELL and N. D. SIMPSON, directed by Prof. C. E. RAVEN.

300/1. *SHERARDIA ARVENSIS* L. 62, N.E. Yorks.; conspicuously white flowered, arable land near Cowesby, Thirsk, C. M. ROB and E. C. WALLACE.

304/4. *VALERIANELLA CARINATA* Loisel. 16, W. Kent; waste ground, Ditton, C. WEST.

†312/5. *SOLIDAGO SEROTINA* Ait. 4, N. Devon.; between Stag's Head and Aller Cross, E. M. Kelly (det. at Kew) (1946: *Rep. and Trans. Devon. Assoc.*, 78, 58).

§†320/3. *ERIGERON CANADENSIS* L. \*88, M. Perth.; garden weed, Easter Tegarmuchd, parish of Dull, 1947, M. S. CAMPBELL—probably introduced with alpine plants removed from Layer Marney Hall (Essex) garden in 1946. \*S, Guernsey; one plant at Cobo and one elsewhere, 1947, apparently hitherto unrecorded for the island, D. McCLINTOCK.

§†327/1. *ANAPHALIS MARGARITACEA* (L.) C. B. Clarke. \*22, Berks.; rough ground near the roadside,  $\frac{1}{2}$  mile above Letcombe Bassett, 1947, J. W. GOUGH: \*43, Rad.; Upper Goytre, Beguildy parish, 1947, A. T. HUNT, comm. NAT. MUS. WALES.

†328/6. *GNAPHALIUM UNDULATUM* L. S; now widespread over Guernsey and Jersey, although not mentioned in the *Flora*: recorded in *B.E.C. 1923 Rep.*, 188, 1924, D. McCLINTOCK.

†333/1. *INULA HELENIUM* L. 46, Card.; railway bank near Trawscoed Station, R. B. ABELL. 69, Westm.; Glenridding, Ullswater, new to district 4, 1947, Mrs H. STEWART, comm. CARLISLE MUS.

†333/3. *INULA BRITANNICA* L. 55, Leics.; appears to be extinct at Cropstone Reservoir—for 48 in *C.F.* read 55, T. G. TUTIN.

334/1. *PULICARIA DYSENTERICA* (L.) Bernh. 70, Cumb.; Cowrigg, Ivegill, new to district 3, 1945, E. BLEZARD, comm. CARLISLE MUS.

†339/4. *AMBROSIA TRIFIDA* L. 30, Beds.; Tempsford, 1947, Mrs B. REYNOLDS, comm. J. G. DONY.

†345/2. *RUBBECKIA HIRTA* L. 17, Surrey; a single plant in an arable field, Headley Lane, 1947, F. T. VALLINS, det. W. R. PHILIPSON, comm. A. J. WILMOTT.

†347/4. *HELIANTHUS ANNUUS* L. 21, Middx.; Hanwell Tip (the usual large cultivated form), 1947, J. E. LOUSLEY. 28, W. Norf.; in drills of carrots sown from "lease-lend" seed, near Thetford, 1945, R. LIBBEY—small flowered, branched and less stout plants, similar to those found wild in U.S.A.—det. J. E. LOUSLEY.

†354/2. *GALINSOGA QUADRIRADIATA* Ruiz & Pav. 9, Dorset; garden weed, Swanage, R. B. ABELL, det. A. J. WILMOTT.

†360/1. *SCHKUHRIA PINNATA* (Lam.) Cabera. 30, Beds.; railway siding, Flitwick, 1947, P. TAYLOR and J. G. DONY, det. N. Y. SANDWICH.

†371/3. *MATRICARIA SUAVEOLENS* (Pursh) Buch. S, Guernsey; frequent by roadsides, etc., but apparently not yet recorded for the Bland, 1947, D. McCLINTOCK.

†372/3. *COTULA CORONOPIFOLIA* L. 58, Cheshire; at the old locality at Leasowe material is being dumped rapidly in the depressions behind the sea-wall and at the time of our visit (1947) this dumping was within a few yards of the habitat of the plant; at the rate at which it was progressing this interesting alien is likely to be lost, J. E. LOUSLEY, C. WEST, and J. E. WOODHEAD.

†372/11. *COTULA AUSTRALIS* Hook. f. 3, S. Devon; Newton Abbot, T. Stephenson (1946: *Rep. and Trans. Devon. Assoc.*, 78, 63).

378/1. *ARTEMISIA ABSINTHIUM* L. S, Guernsey; Grand Camp, 1947, D. McCLINTOCK. †15, E. Kent; Pegwell Bay, on beach, F. ROSE: behind Broadstairs, L. W. WILSON;—very rare indeed in Kent—comm. F. ROSE.

§†380/3. *PETASITES FRAGRANS* (Vill.) C. Presl. \*75, Ayr; Skelmorlie, 1945 (*Glasgow Nat.*, 15, 77, 1946).

383/7×8. ×*SENECIO LONDINENSIS* Lousley. 63, S.W. York.; dry cinder of railway embankment, between Woodhouse Mill and Beighton, with parents, 1947, J. BROWN.

383/7×10. *SENECIO SQUALIDUS* L. × *S. VULGARIS* L. 14, E. Sussex; one very large plant in Terminus Road, Eastbourne, R. P. LIBBEY, comm. J. E. LOUSLEY.

383/10e. *SENECIO VULGARIS* L. var. *RADIATUS* Koch. 33, E. Glos.; near Cheltenham, 1947, Miss D. E. de VESIAN, comm. A. J. WILMOTT. 58, Ches.; Marple, 1947, L. N. KIDD, det. and comm. A. J. WILMOTT. 63, S.W. York.; neglected garden, Southey Green Estate, Sheffield, 1947, J. BROWN.

383/32. *SENECIO INTEGRIFOLIUS* (L.) Clairv. 15, E. Kent; Burham Downs—re-found here in quantity (in its only known Kent station) after a lapse of about twenty years—1947, F. ROSE.

†395/1c. *CARDUS NUTANS* L. var. *MACROCEPHALUS* (Desf.). 17, Surrey; railway embankment, West Weybridge, 1945, J. A. WHELLAN, det. W. A. SLEDGE, comm. J. E. LOUSLEY.

396/8b. *CIRSIUM ARVENSE* (L.) Scop. var. *MITE* Koch. 57, Derby; in a cornfield at Bradley, with intermediate plants connecting it with the common form, 1945, K. M. HOLLICK, det. at KEW.

§†399/1. *SILYBUM MARIANUM* (L.) Gaertn. \*27, E. Norf.; Slipper Bottom, 1947, A. E. ELLIS—but see Nicholson, 1914, *Fl. Norfolk*, 103, for earlier records.—E.C.W.

401/1. *SAUSSUREA ALPINA* (L.) DC. 73, Kirke.; found by Dr H. Milne-Redhead on the cliffs of Merrick, 1947, see *B.E.C. 1943-4 Rep.*, 733 (1946), E. C. WALLACE.

416/9. *CREPIS FOETIDA* L. 15, E. Kent; re-found in quantity near Dungeness, where it was last found by N. Y. Sandwith about 1932—the only recent Kent record for this species—F. ROSE.

421/3. *HYPOCHOERIS GLABRA* L. 6, N. Som.; the status of this plant in the Bristol area is discussed by C. I. Sandwith (1946; *Proc. Bristol. Nat. Soc.*, 27, pt. 3, 152-153, who finds that all records are so far erroneous.

†425/8. *LACTUCA MACROPHYLLA* (Willd.) A. Gray. 60, W. Lancs.; Preston Dock area, H. E. BUNKER.

438/1. *VACCINIUM ULIGINOSUM* L. 108, W. Suth.; rocks above the Bealach a Bhuirich at 1600 ft., Eddrachillis, 1947, C. W. MUIRHEAD, comm. CARLISLE MUS.

444/1. *ANDROMEDA POLIFOLIA* L. 70, Cumb. (district 1); at 1500 ft. near Blea Tarn, above Wythburn, 1947, Miss R. BELL, comm. CARLISLE MUS.

441/2. *ARCTOSTAPHYLOS ALPINA* (L.) Spreng. 108, W. Suth.; rocks above the Bealach a Bhuirich, at 1600 ft., Eddrachillis, 1947, C. W. MUIRHEAD, comm. CARLISLE MUS.

447/1. *LOISELEURIA PROCUMBENS* (L.) Desv. 108, W. Suth.; dry, rocky slopes above the Bealach a Bhuirich, 1600 ft., Eddrachillis, 1947, C. W. MUIRHEAD, comm. CARLISLE MUS.

453/1. *PYROLA ROTUNDIFOLIA* L. 15, E. Kent; near Brook, C. N. POPE: about seven miles south of Canterbury, Mrs BENTLEY; shown to

me by the finders, 1947, F. ROSE. 69, Westm. (district 5); Sandford Mire, near Warcrop—included in the *Comital Flora* but no authenticated record given in Wilson's *Fl. Westmorland*—R. W. ROBSON, comm. CARLISLE MUS.

§456/1. *MONOTROPA HYPOPITYS* L. \*52, Angl.; among *Salix repens*, Newborough Warren, 1947, A. P. CONOLLY, comm. T. G. TUTIN. 65, N.W. York.; near Quarry Gill, Masham, 1947, R. Chislett (Joyce Ridgway, 1947: *Naturalist*, No. 823, 158).

457/2. *LIMONIUM HUMILE* Mill. 18, S. Essex; abundant in the saltmarshes east of Bradwell and Tillingham, 1947, F. ROSE.

457/3b. *LIMONIUM LYCHNIDIFOLIUM* (Girard) O. Kze. S, Jersey; St Ouen's Bay, 1947, just behind the concrete sea-wall built by the Germans, D. McCLINTOCK, det. A. J. WILMOTT; the var. *CORYMBOSUM* C. E. Salmon, not the tall form distributed from Plémont (see *B.E.C. 1929 Rep.*, 231).

§457/6. *LIMONIUM TRANSWALLIANUM* Pugsl. \*4, N. Devon; near Ilfracombe, H. W. Pugsley (1946: *Rep. and Trans. Devonshire Assoc.*, 78, 53).

459/1. *HOTTONIA PALUSTRIS* L. 21, Middx.; pools on Shortwood Common, Staines, D. H. KENT.

465/1. *TRIENTALIS EUROPAEA* L. 70, Cumb.; between the rivers White Lyne and Black Lyne, Bewcastle, new to district 4, 1937, Lord HENLEY, comm. CARLISLE MUS.

§468/1. *CENTUNCULUS MINIMUS* L. \*7, N. Wilts.; Wingfield, 1946, J. D. GROSE.

478/1. *CENTAURIUM UMBELLATUM* Gilib., between var. *SUBCAPITATUM* (Corb.) Gilm. and var. *FASCICULARE* (Duby) Gilm. 1, W. Cornwall; Perranporth and Newquay, 1908, W. M. ROGERS. 14, E. Sussex; downs west of Cuckmere Haven, 1926, A. E. ELLIS; between Beachy Head and Cuckmere Haven, 1873, A. BENNETT. 59, S. Lancs.; Hightown, 1898, J. A. WHELDON. All det. J. S. L. GILMOUR, 1947, comm. A. E. ELLIS.

478/1b. *CENTAURIUM UMBELLATUM* Gilib. var. *FASCICULARE* (Duby) Gilm. 4, N. Devon; Braunton Burrows, E. M. HOLMES. H.27, W. Mayo; Mullarany, 1899, E. S. MARSHALL, det. J. S. L. GILMOUR, 1947, comm. A. E. ELLIS.

478/1c. *CENTAURIUM UMBELLATUM* Gilib. var. *SUBCAPITATUM* (Corb.) Gilm. 1, W. Cornwall; Cape Cornwall, 1919; St Just-in-Penwith, 1918; Carn Boel near Land's End, 1926, A. E. ELLIS; Kynance Down,

1873, W. M. ROGERS. 2, E. Cornwall; Crackington Cove, 1873, M. BLAGG; Bude, 1882, W. M. ROGERS. 41, Glam.; Newton Cliff, Gower, 1905, W. M. ROGERS. 45, Pem.; Freshwater West, 1930, A. E. ELLIS. 52, Anglesey; S. Stack Lighthouse, Holyhead, 1881, C. BAILEY. 60, W. Lancs.; between Lytham and St Anne's, 1895, E. S. MARSHALL. All det. J. S. L. GILMOUR, 1947, comm. A. E. ELLIS.

478/1×2. *CENTAURIUM UMBELLATUM* Gilib. × *C. LITTORALE* (Turner) Gilm. 60, W. Lancs.; between Lytham and St Anne's, 1895, E. S. MARSHALL, "probable hybrid," det. J. S. L. GILMOUR, 1947, comm. A. E. ELLIS.

478/4. *CENTAURIUM PULCHELLUM* (Sw.) E. H. L. Krause. S, Jersey; St Ouen's Bay, 1947, D. McCLINTOCK—cf. Lester-Garland (1903: *Fl. Jersey*, 122), who said it was no longer there.

491/1. *CYNOGLOSSUM OFFICINALE* L. 57, Derbs.; flowers white with bright deep pink corolla scales, Markland Grips, 1947, J. BROWN.

497/2. *SYMPHYTUM TUBEROSUM* L. †21, Middx.; a large well established patch on Stanmore Common, D. H. KENT.

†500/1. *ANCHUSA SEMPERVIRENS* L. 52, Angl.; shingle on Gallows Point, near Beaumaris, 1942, D. P. & J. A. YOUNG.

507/3. *LITHOSPERMUM ARVENSE* L. 33, E. Glos.; rubbish dump, Bussage, near Stroud, R. B. ABELL.

†511/2. *CALYSTEZIA SYLVESTRIS* (Willd.) R. & S. 6, N. Somerset; Bath, 1938, Miss A. E. WHITE. 36, Heref.; Longtown, 1947, H. M. HALLET. 43, Rad.; Kenneaton Road, New Radnor, 1938, J. A. WEBB. 44, Carm.; Llandebie, 1944, J. A. WEBB. 50, Denb.; Denbigh, 1938, A. MacKESSACK. 51, Flint.; Talacre, 1942, J. A. WEBB. 55, Leics.; Braunstone, 1915, A. E. WADE. All comm. NAT. MUS. WALES.

†515/7. *CUSCUTA SUAVEOLENS* Ser. 35, Mon.; on *Antirrhinum majus*, Glansychan Park, Abersychan, 1947, J. W. BARKER, comm. NAT. MUS. WALES.

†519/1. *NICANDRA PHYSALOIDES* Gaertn. 16, W. Kent; potato field, Ditton, 1945, C. WEST, det. H. GILBERT-CARTER.

†522/1. *DATURA STRAMONIUM* L. 17, Surrey; one plant on rubbish heap opposite Court Manor Farm, Horley, 1947, B. M. C. MORGAN.

527/3. *VERBASCUM THAPSUS* L. S, Herm; by White House Hotel, 1947; not recorded from Island of Herm in the *Flora*, but in the 1923 Supplement as "very rare," D. McCLINTOCK.

†527/4. *VERBASCUM VIRGATUM* Stokes. 34, W. Glos.; Sharpness Docks, R. B. ABELL, det. A. J. WILMOTT.

527/7. *VERBASCUM LYCHNITIS* L. †21, Middx.; rubbish tip by the canal, Northolt, D. H. KENT.

527/8. *VERBASCUM NIGRUM* L. S, Guernsey; Rohais, recorded as "very rare" in the *Flora*: Sark; Stocks Hotel: Herm: all 1947, D. McCLINTOCK.

†532/2. *LINARIA PURPUREA* (L.) Mill. 41, Glam.; Birchgrove, adventive, 1947, E. VACHELL.

532/3. *LINARIA REPENS* (L.) Mill. 21, Middx.; introduced with chalk ballast on to waste land by the canal near Greenford Green, D. H. KENT.

532/3×1. *LINARIA REPENS* (L.) Mill. × *VULGARIS* Mill. 30, Beds.; Harlington, 1947, P. TAYLOR and J. G. DONY. 46, Card.; lane from Llandoe to Wallog, R. B. ABELL.

§532/7. *LINARIA MINOR* (L.) Desf. \*71, Isle of Man; "reported by R. Wagstaff per W. S. Cowin, near Peel Road Station" (C. I. Paton, 1946: Botanical Notes for 1945; *Journ. Manx Museum*, 5, 188).

534/2. *ANTIRRHINUM ORONTIUM* L. 46, Card.; near shore at Aber Arth, R. B. ABELL.

535/4b. *SCROPHULARIA NODOSA* L. var. *BOBARTII* Pryor. 64, M.W. Yorks. (A.); in crevices of limestone pavement above Malham Cove, with *S. nodosa*, 1947, D. P. YOUNG.

†537/1. *MIMULUS GUTTATUS* DC. 64, M.W. Yorks.; banks of Austwick Beck, just below Settle to Kirby Lonsdale road, 1947, J. N. MILLS.

†537/2. *MIMULUS MOSCHATUS* Dougl. 14, E. Suss.; Tilgate Forest, near (three miles from) Three Bridges, 1947, F. T. VALLENS, comm. A. J. WILMOTT.

540/1. *SIBTHORPIA EUROPAEA* L. 46, Carm.; banks of R. Cothi, Abergaslech, 1947, Miss D. EASTWOOD, comm. A. J. WILMOTT.

†543/41. *VERONICA FILIFORMIS* Sm. 5, S. Som.; hedgebank, Edgcott, 1947, C. T. AMHERST, det. A. J. WILMOTT.

545. *EUPHRASIA*. All specimens determined by the late H. W. PUGSLEY.

545/3. *EUPHRASIA BREVIPILO* Burnat & Gremli. 41, Glam.; Mynydd-y-Glew, 1937, E. VACHELL.

545/3b. *EUPHRASIA BREVIPIILA* Burnat & Gremli var. *SUBEGLANDULOSA* Towns. 41, Glam.; Kenfig Hill, 1945, E. VACHELL.

545/5d. *EUPHRASIA NEMOROSA* Löhr var. *COLLINA* Pugsl. 41, Glam.; Nantgarw; Morpha Pools, etc., E. VACHELL.

545/18. *EUPHRASIA CONFUSA* Pugsl. (f. *ALBIDA* Pugsl.). 41, Glam.; Sker and Rhossili, E. VACHELL.

545/19(4). *EUPHRASIA ANGLICA* Pugsl. 41, Glam.; Aberdulais, 1938, E. VACHELL.

547/1. *PEDICULARIS PALUSTRIS* L. 15, E. Kent; ditch banks at Worth Minnis—probably the only surviving Kent locality for the species—1947, F. ROSE.

552/1. *UTRICULARIA VULGARIS* L. 21, Middx.; very abundant and flowering in a pond close to the Southern Railway, on Hounslow Heath, L. G. PAYNE, comm. D. H. KENT: abundant and flowering in a pond near the Government Training Centre on Hounslow Heath, D. H. KENT.

558/2. *MENTHA ALOPECUROIDES* Hall. 15, E. Kent; Hothfield Heath—recorded erroneously in *B.E.C. 1945 Rep.*, 66 (1947), as *M. rotundifolia* L.: the Molash plant was correct—1945, F. ROSE, det. R. A. GRAHAM.

§558/11. *MENTHA CARDIACA* Baker. \*12, N. Hants.; Micheldever, far from houses, 1943, C. WEST, det. A. L. STILL, who wrote "I should say *M. cardiaca* Baker. A similar plant used to grow on Shalford Common, Surrey, near the pond on the east side not far from the station."

558/12. *MENTHA RUBRA* Huds. 13, W. Suss.; ditch in lane, Ifold, near Plaistow, E. C. WALLACE.

§561/10. *THYMUS NEGLECTUS* Ronn. 22, Berks.; Upper Basildon: \*33, E. Glos.; Cleeve Hill, 1946, C. C. TOWNSEND, det. A. J. WILMOTT.

561/11. *THYMUS BRITANNICUS* Ronn. 33, E. Glos.; Cleeve Hill, Cheltenham, 1946, C. C. TOWNSEND, det. A. J. WILMOTT.

§573/2. *PRUNELLA LACINIATA* L. \*34, W. Glos.; limestone down, Tytherington, 1946, B. WELCH.

§574/1. *MELISSA MELISSOPHYLLUM* L. \*44, Carm.; by Gelligatti Wood near Newcastle Emlyn, 1947, D. JAMES, comm. NAT. MUS. WALES.

576/1. *MARRUBIUM VULGARE* L. S, Jersey; by a cottage near the Quenvais, 1947, D. McCLINTOCK.

†581/2. *LAMIUM MACULATUM* L. 62, N.E. Yorks.; hedgebank, Bank Foot, Ingleby Greenhow, C. M. ROB and E. C. WALLACE.

†596/4. *AMARANTHUS CHLOROSTACHYS* Willd. 30, Beds.; railway siding, Flitwick, 1947, P. TAYLOR and J. G. DONY, det. N. Y. SANDWITH.

†596/8. *AMARANTHUS THUNBERGII* Moq. 30, Beds.; railway sidings, Flitwick, 1947, J. G. DONY, det. N. Y. SANDWITH.

§600/2. *CHENOPODIUM BOTRYODES* Sm. 18, S. Essex; near Stansgate Abbey, Steeplé (remove brackets in *C.F.*), 1947, F. ROSE.

600/4. *CHENOPODIUM HYBRIDUM* L. 9, Dorset; Woolbridge Manor, Wool, 1947, A. E. ELLIS. 15, E. Kent; Wingham (near the Fen), 1947, F. ROSE. 24, Bucks.; Beaconsfield, 1947, B. M. C. MORGAN. 29, Cambs.; allotments, Ely, 1947, Miss M. S. CAMPBELL and N. D. SIMPSON.

600/13. *CHENOPODIUM GLAUCUM* L. 15, E. Kent; still at Queenborough Goods Station—first seen there in 1938—1947, D. McCLINTOCK and F. ROSE.

606/17. *OBIONE PORTULACOIDES* (L.) Moq. S, Jersey; behind concrete sea wall, St Ouen's Bay, 1947, D. McCLINTOCK.

612/1. *SUAEDA FRUTICOSA* Forsk. 18, S. Essex; in immense quantity, forming a thick scrub 3 ft. high, on the shell-beach between Bradwell and Soles Point, 1947, F. ROSE.

612/2. *SUAEDA MARITIMA* (L.) Dum. S, Jersey; behind concrete sea wall, St Ouen's Bay, 1947, D. McCLINTOCK.

615/4. *POLYGONUM VIVIPARUM* L. 108, W. Suth.; hills near Kyle of Durness, R. B. ABELL.

615/4b. *POLYGONUM VIVIPARUM* L. var. *ALPINUM* Wahl. 49, Caern.; at 2600 ft., Cwm Glas, Snowdon, 1947, EVAN ROBERTS, comm. NAT. MUS. WALES, det. H. A. HYDE and A. E. WADE.

615/13. *POLYGONUM RAII* Bab. 15, E. Kent; locally plentiful on the shell-beaches N. of Leysdown and W. of Seasalter, 1947, F. ROSE, B. WELCH and D. McCLINTOCK.

†615/32. *POLYGONUM SIEBOLDII* De Vriese. S, Guernsey; near Hautland Hall, 1947, D. McCLINTOCK.

617/1. *OXYRIA DIGYNA* (L.) Hill. 73, Kirke.; cliffs of Merrick, 1947, H. MILNE-REDHEAD.

618/9×13. *RUMEX CONGLOMERATUS* Murr. × *MARITIMUS* L. = × *R. KNAPII* Celak. 29, Cambs.; damp waste ground, Barnwell, 1943, C. WEST, det. J. E. LOUSLEY.

†618/18. *RUMEX BROWNII* Campd. 30, Beds.; railway siding, Shefford, 1947, J. G. DONY, det. J. E. LOUSLEY.



§628/6. *EUPHORBIA STRICTA* L. \*6, N. Som.; footpath connecting Barhampton and Warminster roads, 1947, A. L. & J. D. MILLER, comm. A. J. WILMOTT.

+628/11. *EUPHORBIA CYPARISSIAS* L. 29, Cambs.; waste ground in Cambridge, 1946, J. N. MILLS.

633/1. *ULMUS GLABRA* Huds. 15, E. Kent; abundant and looking native in calcareous ash-oak wood, on the Ragstone escarpment east of Lympne, 1947, F. ROSE.

633/1×6. *ULMUS GLABRA* Huds. × *U. STRICTA* Lindl. 3, S. Devon; Doddiscombsleigh, 1947, A. E. ELLIS, det. R. MELVILLE.

§633/4. *ULMUS PLOTII* Druce. \*16, W. Kent; Bromley, one medium-sized tree (presumably planted) in Hayes Road, 1947: \*17, Surrey; Chelsham, about a dozen large trees (presumably planted) in hedgerows of two fields between church and Fairchildes, alt. 600 ft., 1946: 40, Salop; Mawleytown Farm, Wyre Common, Cleobury Mortimer, alt. 500 ft., one tall tree in front of farm house, 1943, H. K. AIRY SHAW. [N.B.—This is very close to the border of v.-c. 37, Wores., from which records of *U. Plotii* are still needed.]

633/6. *ULMUS STRICTA* Lindl. 3, S. Devon; Farrant's Hayes, Dunsford, 1947, A. E. ELLIS, det. R. MELVILLE; "a rather broad leaved form."

+639/1. *HELXINE SOLEIROLII* Req. S, Guernsey; abundant on walls all over the island, 1947, D. McCLINTOCK, det. A. J. WILMOTT—not mentioned in Marquand's Flora or McCrea's Supplement.

650/11c. *SALIX REPENS* L. var. *ARGENTEA* (Sm.). 102, S. Ebudes; near Scalasaig, Isle of Colonsay, 1947, Mrs J. S. MUIRHEAD: 108, W. Suth.; rocks on Loch na Claise, Kinloch Bervie, 1947, C. W. MUIRHEAD, comm. CARLISLE MUS.

650/16. *SALIX LAPPONUM* L. 106, E. Ross; many bushes on Mullach a Ghlas-thuill, alt. c. 2000 ft., Glen Cannich, E. C. WALLACE.

655/1. *STRATIOTES ALOIDES* L. +21, Middx.; abundant and completely naturalised in two ponds on Little Common, Stanmore, D. H. KENT.

659/1. *HAMMARBYA PALUDOSA* (L.) O. Kze. 70, Cumb. (district 1); above Scale Force, Buttermere, 1946, Miss J. SHEARMAN, comm. CARLISLE MUS.

§665/1. *GOODYERA REPENS* (L.) R.Br. \*109, Caithness; on a heathery and grassy bank a few yards from Loch nan Clach Geala, at c. 600 ft., four miles from Reay, J. W. LAWSON (Keeper to A. D. Pilkington), comm. Mrs J. V. PHELPS.

§667/1. CEPHALANTHERA RUBRA L. C. Rich. Cancel the entry for v.-c. 8 in *B.E.C. 1933 Rep.*, 543, 1934; the specimen cited is *C. grandiflora*, E. C. WALLACE.

668/2. EPIPACTIS HELLEBORINE (L.) Crantz. 21, Middx.; Whitewebbs Park, Enfield, a single plant, L. J. JOHNS, comm. D. H. KENT.

668/4. EPIPACTIS PURPURATA Sm. 16, W. Kent; Langton Green, near Tunbridge Wells, 1947, Miss F. I. WILLIAMS: edge of beech wood, Knockholt, 1947, Miss HEATHER ZETTON: both det. and comm. A. J. WILMOTT. 34, W. Glos.; wood near Falfield, August 1947, Dr DAVID PROWSE—the first record for White's Bristol area—confirmed by V. S. SUMMERHAYES, comm. N. Y. SANDWITH.

669/6. ORCHIS PARDALINA Pugsl. 15, E. Kent; Wingham Fen: dunes North of Sandwich: marsh near Sandwich: Worth Minnis: Ham Ponds: Hacklinge:—*Orchis Fuchsii* Druce has not been observed in any of these localities, but hybrids between *O. praetermissa* Dr. and *O. pardalina* Pugsl. (confirmed by J. E. LOUSLEY) have been seen at Wingham Fen, 1946-47—F. ROSE.

669/8. ORCHIS PRAETERMISSA Druce. 59, S. Lancs.; Freshfield, 1947, Miss PAMELA JONES, confirmed by A. J. WILMOTT.

669/10. ORCHIS ERICETORUM (E. F. Linton) E. S. Marshall. 18, S. Essex; Galley Wood Common, 1947, F. ROSE.

669/13. ORCHIS LAXIFLORA Lam. S, Guernsey; still at Grande Mare, seen also in two spots on L'Ancrese Common, 1947, D. McCLEINTOCK.

672/3. OPHRYS APIFERA Huds. 70, Cumb. (district 1); limestone quarry near Cockermouth, 1947, J. D. HINDE, comm. CARLISLE MUS.

674/1. GYMADENIA CONOPSEA (L.) R.Br.—abnormal, with spur short, sometimes almost absent. 17, Surrey; calcareous downland adjoining Tyrell's Wood Golf Course, Leatherhead, 1947, T. J. WALLACE, det. and comm. A. J. WILMOTT—probably similar to specimen recorded by M. L. Lambert (1912: *Bull. Géogr. Bot.*, 22, 159) from France.

674/4. COELOGLOSSUM VIRIDE (L.) Hartm. 15, E. Kent; Ospringe, Mrs VERSCHOYLE:—no previous Kentish record of this species for nearly twenty years—1947, comm. F. ROSE.

674/6. PLATANTERA BIFOLIA (L.) L. C. Rich. 30, Beds.; Potton Wood, 1947, F. L. CHESHAM, comm. J. G. DONY.

674(2)/1. LEUCORCHIS ALBIDA (L.) E. Mey. ex Schur. 108, W. Suth.; at the head of Loch Glendhu, near sea level, 1947, Miss E. K. SHAW, comm. CARLISLE MUS.

†680/1. *SISYRINCHIUM ANGUSTIFOLIUM* Mill. 20, Herts.; canal bank, Rickmansworth, a small clump, 1947, Mrs O. M. RICHARDS, comm. A. J. WILMOTT.

691/3. *POLYGONATUM OFFICINALE* All. 48, Mer.; on sand dunes at Mochras, abundant in one place 1939; still there but being swamped by bracken in 1947, B. M. C. MORGAN.

§702/3. *ALLIUM SCORODOPRASUM* L. \*†3, S. Devon; Alston Ferrars, 1947, Col. C. R. CONGREVE, comm. A. J. WILMOTT.

702/11. *ALLIUM SCHOENOPRASUM* L. 69, Westm.; Rus Mickle in Lyth; none could be found in this classic locality in 1947, and Mrs Mason, of Rus Mickle Farm, stated that after slowly diminishing it had disappeared about 1945, J. N. MILLS.

703/1. *MUSCARI RACEMOSUM* (L.) Mill. 29, Cambs.; roadside, far from houses, Whittlesford, 1947, Mrs ARMSTEAD, det. C. WEST.

707/2. *ORNITHOGALUM UMBELLATUM* L. S, Guernsey; L'Ancrese Common, a few plants both in the centre and in the west, 1947—the *Flora* says "very rare," D. McCLINTOCK.

711/1. *GAGEA LUTEA* (L.) Ker-Gawler. 70, Cumb. (new to district 1); copse near Brigham, Cockermouth, 1947, J. D. HINDE, comm. CARLISLE MUS.

718/6. *JUNCUS BALTICUS* Willd. 108, W. Suth.; Sandwood Bay, 1947, C. W. MUIRHEAD, comm. CARLISLE MUS.

§718/14. *JUNCUS COMPRESSUS* Jacq. 105, W. Ross; sea-shore, with *J. Gerardi*, Ob Mheallaidh, Shildaig, Upper Loch Torridon, E. C. WALLACE.—cf. *Top. Bot. Supp.* 2, and remove brackets in *C.F.*

§†718/16. *JUNCUS TENUIS* Willd. \*60, W. Lancs.; Preston dock, H. E. BUNKER. 70, Cumb. (new to district 4); in the path across Kingmoor, Carlisle, 1946, C. W. MUIRHEAD, comm. CARLISLE MUS.

§718/20. *JUNCUS CASTANEUS* Sm. \*105, W. Ross; Sgurr nan Ceathreamhnan, W. A. SLEDGE. \*106, E. Ross; Mullach a Glas-thuill, E. C. WALLACE.

§719/7. *LUZULA ARCUATA* (Wahlenb.) Wahlenb. 105, W. Ross; Liathach, c. 3000 ft., 1947, R. MACKECHNIE. The record in Druce's *Flora W. Ross*, 85, 1929, from Mam Soul, A. H. Evans, 1904 (see *Top. Bot. Supp.* 2), should be credited to 106, E. Ross, for Mam Soul is on the boundary of v.-cc. 96 and 106, and the plant occurs in both. Add 106 to *C.F.*—E.C.W.

†719/9. *LUZULA LUZULOIDES* (Lam.) Dandy & Wilmott. 72, Dumfr.; naturalised in the now derelict grounds of the old Hydropathic, Moffat, near the ruins, 1947, Dr K. M. BRAID, comm. A. J. WILMOTT.

729/1b. *ALISMA LANCEOLATUM* With. 27, E. Norfolk; Thorpe St. Andrew, 1947, A. E. ELLIS. 30, Beds.; Stevington, 1946, B. VERDCOURT, comm. J. G. DONY.

730/1. *BALDELLIA RANUNCULOIDES* (L.) Parl. 21, Middx.; sparingly in a pond on Finchley Common, and a single plant in a pond on Hadley Common, D. H. KENT.

737/4. *POTAMOGETON COLORATUS* Hornem. 64, M.W. Yorks.; shallow ditch north of Foster Flat, by Newby Brook, E. C. WALLACE.

737/5. *POTAMOGETON ALPINUS* Balb. 22, Berks.; river Cole near junction with Thames; Buscot near Lechlade, J. F. G. CHAPPLE, det. J. E. DANDY.

737/18. *POTAMOGETON COMPRESSUS* L. 57, Derby; Hall Pond, Ashbourne, first noticed several years ago, 1947, K. M. HOLLICK.

737/19. *POTAMOGETON ACUTIFOLIUS* Link. 21, Middx.; abundant in the lake on Shortwood Common, Staines, B. WELCH, comm. D. H. KENT, confirmed by J. E. DANDY and G. TAYLOR.

737/20. *POTAMOGETON OBTUSIFOLIUS* Mert. & Koch. 21, Middx.; abundant in a lake on Little Common, Stanmore, D. H. KENT, det. J. E. DANDY and G. TAYLOR.

737/25. *POTAMOGETON PUSILLUS* L. 21, Middx.; floating on the Round Pond, Kensington Gardens, D. H. KENT, det. J. E. DANDY and G. TAYLOR.

§737/27. *POTAMOGETON TRICHOIDES* Cham. & Schlecht. \*15, E. Kent; found near Lydd in 1946, teste J. E. DANDY, comm. F. ROSE. 21, Middx.; canal backwater north of Southall, D. H. KENT, det. J. E. DANDY and G. TAYLOR; lake on Shortwood Common, Staines, B. WELCH and D. H. KENT, det. J. E. DANDY and G. TAYLOR.

§746/8. *SCIRPUS PAUCIFLORUS* Lightf. \*S, Guernsey; L'Ancresee Common, 1947, D. McCLINTOCK, det. A. J. WILMOTT—add to *C.F.*, but see Marquand, *Flora of Guernsey*, 188, 1901.

746/12b. *SCIRPUS CERNUUS* Vahl var. *MONOSTACHYS* Clarke & Marshall. 2, E. Cornw.; damp, sandy ground at base of cliffs near Rame Head, 1946, C. WEST.

746/15. *SCIRPUS RUFUS* (Huds.) Schrad. 105, W. Ross; several spots on Upper Loch Torridon, very fine in marsh at Torridon, E. C. WALLACE. 108, W. Suth.; edge of Kyle of Durness, R. B. ABELL.

748/1. *RHYNCHOSPORA FUSCA* (L.) Ait. f. 6, N. Somerset; in quantity in a very limited area on the Somerset peat moor, in an enclosure far distant from Mr Graveson's locality (see *B.E.C. 1932 Rep.*, 275; and C. I. Sandwith in *Proc. Bristol Nat. Soc.*, 1946), probably a rediscovery of Dr Gapper's locality which had been lost for over a century (see White, *Fl. Bristol*, p. 616), 1947, C. I. and N. Y. SANDWITH.

753/10. *CAREX PENDULA* Huds. S, Guernsey; in the grounds of Vimiere, Rohais, possibly planted, 1947—the *Flora* says "Alien . . . very rare," D. McCLINTOCK.

753/11. *CAREX SYLVATICA* L. 49, Caern.; Llanystumdwy, 1947, Miss W. Frost.

753/13. *CAREX HELODES* Link. 18, S. Essex; Little Baddow Common, 1947, F. ROSE.

753/15. *CAREX BINERVIS* Sm. 24, [Beds.]; New Wavendon Heath, 1947, P. TAYLOR, confirmed E. NELMES.

753/17×23. *CAREX DISTANS* L. × *EXTENSA* Gooden., probably × *C. Tornabeni* Chiov. 6, N. Som.; Berrow salt-marsh, 1946, J. E. Lousley and C. West (*Proc. Bristol Nat. Soc.*, 27, pt. 3, 155, 1946).

753/20(2). *CAREX TUMIDICARPA* Anderss. 21, Middx.; Stanmore Common and Ickenham Marsh, D. H. KENT, det. E. NELMES.

753/22. *CAREX SEROTINA* Mérat. 15, E. Kent; by Open Pits, Dungeness:—it seems practically certain that all previous records for this species in Kent (as *C. Oederi* Retz.) really refer to *C. tumidicarpa* Anderss., as did my own from Willesborough Lees in 1944; I have only been able to find *C. tumidicarpa* in these old localities, so this is really a New County Record—1947, F. ROSE, det. E. C. WALLACE.

§753/24. *CAREX DEPAUPERATA* Curt. \*52, Angl.; Holyhead, 1936, A. G. and F. W. HOLDER, comin. A. E. WADE.

753/53. *CAREX LEPORINA* L. 21, Middx.; Kensington Gardens, D. H. KENT.

753/56. *CAREX ECHINATA* Murr. 24, [Beds.]; New Wavendon Heath, 1947, P. TAYLOR, confirmed E. NELMES.

§753/59(2). *CAREX VULPINA* L. \*17, Surrey; in quantity east of Lingfield, near the River Eden, 1947, F. ROSE, confirmed E. C. WALLACE.

§753/61(2). *CAREX POLYPHYLLA* Kar. & Kir. \*30, Beds.; Whipsnade, J. G. DONY, det. E. NELMES. 41, Glam.; Pendoylan, 1904, E. VACHELL: Gigman, 1904, ILLTYD BULLER POLE-EVANS.

753/63×57. *CAREX PANICULATA* L. × *REMOTA* L. 15, E. Kent; marsh near Westwell—the second record for the vice-county—1947, F. ROSE.

§753/68. *CAREX DIVISA* Huds. 16, W. Kent; Upnor, 1947, J. E. WOODHEAD and J. E. LOUSLEY: this species is also abundant in marshes by the Thames as at Higham, Stone, Dartford, etc., and is duly included in *Top. Bot.* for v.-c. 16—the above record is sent to draw attention to the remarkable omission from *C.F.* of 15 and 16 (for v.-c. 15 see *Flora*), J. E. LOUSLEY.

753/74. *CAREX PULICARIS* L. 21, Middx.; Stanmore Common, D. H. KENT.

†754/10. *DIGITARIA SANGUINALIS* (L.) Scop. 30, Beds.; railway siding, Flitwick, 1947, P. TAYLOR and J. G. DONY, det. C. E. HUBBARD.

†756/2. *SETARIA VIRIDIS* (L.) Beauv. 33, E. Glos.; rubbish dump, Gloucester, R. B. ABELL, det. A. J. WILMOTT.

†756/4. *SETARIA VERTICILLATA* (L.) Beauv. 21, Middx.; rubbish tip, Northolt, B. WELCH, confirmed by C. E. HUBBARD, comm. D. H. KENT. KENT.

§758/3. *SPARTINA TOWNSENDII* H. & J. Groves. \*73, Kirke.; coast near Orchardton Bay, 1947—local enquiry elicits the fact that no planting has taken place on this coast, but G. F. Scott Elliott is known to have planted it on the Solway coast where it soon disappeared, H. MILNE-REDHEAD.

†763/2. *SORGHUM HALEPENSE* (L.) Pers. 21, Middx.; rubbish tip, Northolt, B. WELCH, det. C. E. HUBBARD, comm. D. H. KENT.

§767/1. *HIEROCHLOE ODORATA* (L.) Beauv. \*H.39, Antrim; banks of Lough Neagh, 1946, E. N. CARROTHERS and R. D. MEIKLE—new to Ireland: see *Irish Nat. Journ.*, 10, 377-380, 1946, for account of discovery and photo of plant *in situ*.

770/3. *ALOPECURUS MYOSUROIDES* Huds. 17, Surrey; waste ground, bombed site, Peckham, 1946, C. WEST.

†770/7. *ALOPECURUS UTRICULATUS* (L.) Pers. 25, E. Suff.; Felixstowe Docks, 1939, J. E. LOUSLEY and E. C. WALLACE, det. C. E. HUBBARD.

§777/2. *PHLEUM ALPINUM* L. \*106, E. Ross; gullies on Mullach a Ghlas-thuill, Glen Cannich, with *Juncus castaneus*, E. C. WALLACE: above west side of Loch Tuill Bhearnach, Glen Cannich, S. M. WALTERS and E. F. WARBURG.

780/1. *AGROSTIS SEMIVERTICILLATA* (Forsk.) C. Chr. S, Guernsey; Câtel and St Peter Port, 1947, D. McCLINTOCK.

+780/9. *AGROSTIS HIEMALIS* (Walt.) B.S.P. 12, N. Hants.; drained bed of Fleet Pond, 1941, E. C. WALLACE, det. C. E. HUBBARD.

+782/3. *POLYPOGON MARITIMUS* Willd. 30, Beds.; Great Drakelow Pond, Woburn Park, 1947, W. WATSON and J. G. DONY, det. C. E. HUBBARD.

§783/1. *CALAMAGROSTIS EPIGEIOS* (L.) Roth. \*73, Kirkc.; Almorness Peninsula, 1947, H. MILNE-REDHEAD.

789/1. *AIRA CARYOPHYLLEA* L. 21, Middx.; Mimms Hall Wood, South Mimms, D. H. KENT.

+822/3. *BRIZA MAXIMA* L. S, Guernsey; Petit Bo Bay, 1947, D. McCLINTOCK.

824/2e. *POA PRATENSIS* L. var. *LATIFOLIA* Weihe. 21, Middx.; abundant along the canal bank at Hanwell, D. H. KENT, det. C. E. HUBBARD.

825/3(2). *GLYCERIA DECLINATA* Bréb. 49, Caern.; mainland opposite Bardsea Island, 1947, Miss B. M. C. MORGAN.

825(2)/5. *PUCCINELLIA FASCICULATA* (Torr.) Bickn. 18, S. Essex; near Stansgate Abbey, 1947, F. ROSE.

826/3. *FESTUCA ARUNDINACEA* Schreb. 55, Leics.; many localities, about as common as *F. pratensis*, T. G. TUTIN.

826/4×829/1. ×*FESTULOLIUM LOLIACEUM* (Huds.) P. Fourn. 29, Cambs.; allotments, Ely, 1947, M. S. CAMPBELL and N. DOUGLAS SIMPSON.

826/7c. *FESTUCA RUBRA* L. var. *DUMETORUM* (L.) Lej. & Court. 21, Middx.; Harefield Moor, D. H. KENT, det. C. E. HUBBARD.

827/19e. *BROMUS HORDEACEUS* L. var. *PSEUDO-RACEMOSUS* (Wats.) Asch. & Graeb. 57, Derby; on soil dumped on Hognaston Winn, 1947—appears occasionally in the district, first noticed on a factory tip at Ashbourne, 1940, K. M. HOLLICK.

§827/19(2). *BROMUS LEPIDUS* Holmb. \*55, Leics.; Borough Hill, E. Leics., 1946, T. G. TUTIN.

844/3. *EQUISETUM SYLVATICUM* L. 18, S. Essex; still abundant on Galleywood Common, 1947—recorded by Gibson in *Fl. Essex*, 1862—F. ROSE.

844/3b. *EQUISETUM SYLVATICUM* L. var. *CAPILLARE* Hoffm. 70, Cumb. (district 3); in the grounds at Blaithwaite House, near Wigton, Miss J. PARKIN, comm. CARLISLE MUS.

849/1. *BLECHNUM SPICANT* (L.) Roth. 18, S. Essex; Woodham Walter Common (in a *Sphagnum* bog), 1947, F. ROSE.

851/4. *ASPLENIUM OBOVATUM* Viv. 3, S. Devon; shady rocks near Whitchurch, 1945, C. WEST.

856/5. *DRYOPTERIS AEMULA* (Ait.) Kuntze. 14, E. Sussex; abundant in a wood E. of Balcombe, 1947—a new locality—F. ROSE and E. C. WALLACE.

856/8. *DRYOPTERIS THELYPTERIS* (L.) A. Gray. 18, S. Essex; still very abundant on Woodham Walter Common, 1947, F. ROSE. \*73, Kirke.; marshland near Mainsridale, near Kirkbean, H. MILNE-REDHEAD.

856/9. *DRYOPTERIS PHEGOPTERIS* (L.) C. Chr. 108, W. Suth.; by rill on road from Durness Ferry to Cape Wrath, R. B. ABELL.

856/10. *DRYOPTERIS LINNAEANA* C. Chr. 108, W. Suth.; limestone broken rock near River Dionard, R. B. ABELL.

864/1. *OSMUNDA REGALIS* L. 15, E. Kent; swamp N. of Tenterden: woods near Ham Street (but possibly planted here), E. SCOTT, comm. F. ROSE. 16, W. Kent; still on Keston Common (last record in middle of last century here): Holwood Park: Bedgebury Forest:—all 1947, F. ROSE.

865/1. *BOTRYCHIUM LUNARIA* (L.) Sw. 6, N. Som.; field N. side, top of Cheddar Gorge, growing with *Ophioglossum vulgatum*, R. B. ABELL.

870/1. *LYCOPODIUM ALPINUM* L. 46, Card.; towards head of Ceulan Valley, R. B. ABELL.

872-876. All specimens determined by G. O. ALLEN.

872/2. *NITELLA OPACA* Ag. 90, Forfar; Loch Brandy, Clova, 1926, G. TAYLOR—a very congested form, G. O. ALLEN.

872/5. *NITELLA TRANSLUCENS* Ag. 69, N. Lancs.; Three Dubs Tarn, Claife Heights, near Hawkeshead: Westm.; Podnut Tarn, near Windermere: Gillhead Reservoir, near Windermere, J. W. G. LUND.

§873/2. *TOLYPELLA PROLIFERA* Leonh. \*61, S.E. York; Pocklington Canal, Storthwaite, 1945, G. TAYLOR.



873/3. *TOLYPELLA GLOMERATA* Leonh. 62, N.E. Yorks.; Woodend near Thornton-le-Street, 1947, C. M. ROB.

876/3. *CHARA VULGARIS* L. 9, Dorset; Charmouth, 1947, W. D. LANG, comm. W. N. EDWARDS—oospores only, forming the covering of caddis-cases, G. O. ALLEN.

876/3b. *CHARA VULGARIS* L. var. *LONGIBRACTEATA* Kütz. 62, N.E. York; Ashberry near Helmsby, 1947, C. M. ROB—a very condensed shallow water form, G. O. ALLEN.

876/3c. *CHARA VULGARIS* L. var. *PAPILLATA* Wallr. 21, Middx.; pool near Yeoveney Halt, Staines Moor, B. WELCH and D. H. KENT. 62, N.E. Yorks.; Spittal Beck, brick pond: Castle Howard, Great Lake, 1946, G. TAYLOR.

876/3e. *CHARA VULGARIS* L. var. *CRASSICAULIS* Kütz. 11, S. Hants.; Crockford Bridge, 1946, W. FROST, comm. C. M. ROB.

876/5. *CHARA HISPIDA* L. 62, N.E. York; Woodend near Thornton-le-Street, 1947, C. M. ROB.

876/7. *CHARA CONTRARIA* Kütz. 23, Oxon.; sheep wash with clay bottom, Chadlington, Lady ROCHE.

876/11. *CHARA ACULEOLATA* Kütz. 63, S.W. Yorks.; correct entry on p. 778, *B.E.C. 1943-4 Rep.* (1946) to read 63, S.W. Yorks. from 63, N.E. Yorks.—E. C. WALLACE.

§876/17. *CHARA DELICATULA* Ag. \*62, N.E. York; Grosmont, pond, 1946, E. R. CROSS, comm. C. M. ROB.