

Plant Records

Records for publication must be submitted to the appropriate Vice-county Recorder (see *B.S.B.I. Year Book for 1992*), and *not* the Editors. The records must normally be of species, hybrids or subspecies of native or naturalized alien plants belonging to one or more of the following categories: 1st or 2nd v.c. record; 1st post-1930 v.c. record; only extant v.c. locality, or 2nd such locality; a record of an extension of range by more than 100 km. Such records will also be accepted for the major islands in v.cc. 102-104 and 110. Only 1st records can normally be accepted for *Rubus*, *Hieracium* and hybrids. Records for subdivisions of vice-counties will not be treated separately; they must therefore be records for the vice-county as a whole. Records of *Taraxacum* are now being dealt with separately, by Dr A. J. Richards, and will be published at a later date.

Records are arranged in the order given in the *List of British vascular plants* by J. E. Dandy (1958), from which the species' numbers are taken. Taxonomy and nomenclature follow the *New Flora of the British Isles* by C. A. Stace (1991), except for the genera *Rubus* and *Hieracium*. The Ordnance Survey national grid reference follows the habitat and locality; the 100-km square is given in alphabetical form at the start of the grid reference rather than as numerical co-ordinates. With the exception of collectors' initials, herbarium abbreviations are those used in *British and Irish herbaria* by D. H. Kent & D. E. Allen (1984). Records are field records if no other source is stated.

Records from the following vice-counties are included in the text below: 1, 2, 4, 9, 11-15, 17, 22, 25, 26, 28, 29, 35, 36, 38, 39, 41-50, 52, 58, 59, 61-65, 67-71, 73, 75, 77, 79-81, 88, 93, 98, 99, 102, 111.

The following signs are used:

- * before the record: to indicate a new vice-county record.
- † before the species number: to indicate that the plant is not a native species of the British Isles.
- ‡ before the record: to indicate a species which, though native in some parts of the British Isles, is not so in the locality recorded.
- [] enclosing a previously published record: to indicate that the record should be deleted.

1/com. DIPHASIASTRUM COMPLANATUM (L.) Holub *67, S. Northumb.: With *D. alpinum* under *Calluna*, William's Cleugh, NY/639.991. G. A. & M. Swan, 1988, **herb. G.A.S.**, det. A. C. Jermy as morphotype *decipiens*.

4/9 × 5. EQUISETUM ARVENSE L. × E. FLUVIATILE L. *46, Cards.: Disused railway verge, Pendinas, SN/581.801. A. O. Chater, 1991, **NMW**.

†13/cof. BLECHNUM CORDATUM (Desv.) Hieron. *98, Main Argyll: Rock exposures, Craignish Castle, NM/773.015. A. McG. Stirling & B. H. Thompson, 1991, **BM**, det. A. C. Jermy. Present since late 1970s.

15/8. ASPLENIUM SEPTENTRIONALE (L.) Hoffm. *43, Rads.: S.-facing rock face, Yatt Wood, Dolyhir, SO/24.58. D. C. Boyce, D. R. Drewett & R. G. Woods, 1991.

21/6 × 7. DRYOPTERIS CARTHUSIANA (Villars) H. P. Fuchs × D. DILATATA (Hoffm.) A. Gray *80, Roxburghs.: Birch wood, Din Moss, Hoselaw, NT/805.316. R. W. M. Corner, 1991, **BM**, det. A. C. Jermy.

21/8. DRYOPTERIS AEMULA (Aiton) Kuntze *93, N. Aberdeen: Wooded den, Tore of Troup, NJ/832.613. D. Welch, 1991, **ABD**.

25/cam. × int. POLYPODIUM CAMBRICUM L. × P. INTERJECTUM Shivas *14, E. Sussex: Old walls of ruined Greyfriars Chapel, Winchelsea, TQ/905.170. L. B. Burt & M. Thomas, 1991, **BM**, det. R. H. Roberts.

†27/1. AZOLLA FILICULOIDES Lam. *44, Carms.: Ornamental pond, Gellideg Farm, SN/423.105. T. S. Crosby, 1991. Inlet to lake, Sandy Water Park, Llanelli, SN/493.005. G. Hutchinson, 1991, **NMW**. 1st and 2nd records. 49, Caerns.: Reservoir near Pistyll Church, SH/328.422. L. J. Larson, 1991, **NMW**. Only extant locality.

28/1. BOTRYCHIUM LUNARIA (L.) Sw. 81, Berwicks.: Basaltic outcrop, Hareheugh Craigs, NT/687.401. D. G. Long, 1991. 2nd extant locality.

46/7. *RANUNCULUS SARDOUS* Crantz 46, Cards.: Sandy field, Gwbert, SN/163.498. A. O. Chater, 1991, **NMW**. 1st localised post-1930 record.

46/9. *RANUNCULUS PARVIFLORUS* L. 35, Mons.: Thin grass on bank, R. A. F. Caerwent, ST/467.919. T. G. Evans, 1991. 1st post-1930 record.

46/11. *RANUNCULUS LINGUA* L. *98, Main Argyll: Swamp, Lochan Iliter, NM/749.102. B. H. Thompson, 1991, **herb. B.H.T.**, conf. C. D. Preston.

46/19 × 22b. *RANUNCULUS FLUITANS* Lam. × *R. PELTATUS* Schrank *68, Cheviot: Whiteadder Water at Whiteadder Bridge, Corporation Arms, NT/959.522. J. M. Croft & C. D. Preston, 1991, **CGE**, conf. S. D. Webster.

46/22a × 21. *RANUNCULUS AQUATILIS* L. × *R. TRICHOPHYLLUS* Chaix *50, Denbs.: Farm pond, Penley, SJ/408.412. B.S.B.I. meeting, 1991, **CGE**, det. S. D. Webster. 1st Welsh record.

46/22c. *RANUNCULUS PENICILLATUS* subsp. *PSEUDOFLUITANS* (Syme) S. Webster var. *PSEUDOFLUITANS* *77, Lanarks.: R. Clyde, Wolfclyde, NT/01.36. R. C. L. Howitt, 1979, **herb. P. Macpherson**, conf. N. T. H. Holmes.

†50/aqu. *THALICTRUM AQUILEGIFOLIUM* L. *79, Selkirks.: Railway embankment between Bowland and Galashiels, NT/4.3. E. P. Beattie, 1969, **E**. *80, Roxburghs.: Riverbank, Ettrick Water below Bridgeheugh, Selkirk, NT/476.307. E. Middleton, 1988, **E**, det. D. R. McKean.

57/1. *CERATOPHYLLUM DEMERSUM* L. *44, Carms.: Lake, Sandy Water Park, Llanelli, SN/493.005. I. K. Morgan, 1991, **NMW**. 70, Cumberland: Recently dug pond, Bowscar, NY/522.344. K. Raistrick, 1991, **LANC**. 2nd record.

58/3. *PAPAVER DUBIUM* subsp. *LECOQII* (Lamotte) Syme *44, Carms.: Burnt cliff, Dolwen Point, SN/233.078. I. K. Morgan, 1991.

66/4. *FUMARIA BASTARDII* Boreau *67, S. Northumb.: Waste ground, Mason, NZ/211.735. G. A. Swan, 1990, **herb. G.A.S.**, det. M. G. Daker.

†68/1. *ERUCASTRUM GALLICUM* (Willd.) O. E. Schulz 70, Cumberland: Forestry track, Spadeadam, NY/6.7. M. Gregory & J. Parker, 1991, **LANC**, det. T. C. G. Rich. 2nd record.

†71/1. *HIRSCHFELDIA INCANA* (L.) Lagr.-Fossat *50, Denbs.: Kinmel Bay, SH/990.808. G. Battershall, 1991. *59, S. Lancs.: Railway siding, Fazakerley, SJ/388.983. V. Gordon, 1991.

79/3. *LEPIDIUM HETEROPHYLLUM* Benth. 26, W. Suffolk: Farm track, Eriswell, TL/754.764. D. J. & Y. T. Leonard, 1991, **herb. E. & M. Hyde**, conf. T. C. G. Rich. Only extant locality.

†86/2. *CAPSELLA RUBELLA* Reuter *38, Warks.: Canal towpaths, Rowington, SP/187.699, and Kingswood, SP/187.708. J. C. Bowra, 1991, **WAR**, det. P. J. Copson. 1st and 2nd records.

88/4. *COCHLEARIA SCOTICA* Druce *81, Berwicks.: St Abb's Head, NT/9.6. A. Craig-Christie, 1884, **E**, det. P. S. Wyse Jackson.

†92/1. *LOBULARIA MARITIMA* (L.) Desv. 50, Denbs.: Colwyn Bay, SH/846.782. G. Battershall, 1991. 2nd post-1930 record.

†97/rap. *CARDAMINE RAPHANIFOLIA* Pourret *49, Caerns.: Bank of Afon Roe near Pont Gorswen, SH/762.714. R. Lewis, 1990, **NMW**, det. E. J. Clement & T. C. G. Rich.

102/4. *RORIPPA ISLANDICA* (Oeder ex Murray) Borbás *46, Cards.: Flat rock by Afon Teifi below Cenarth bridge, SN/269.416. A. O. Chater, 1991, **NMW**, det. B. Jonsell & T. C. G. Rich. 1st Welsh record, and extension of range 250 km southwards.

102/5. *RORIPPA AMPHIBIA* (L.) Besser *44, Carms.: Banks of Afon Llwhwr, Llanedi, SN/59.06. I. K. Morgan, 1984, **NMW**.

102/6 × 3. *RORIPPA AUSTRIACA* (Crantz) Besser × *R. SYLVESTRIS* (L.) Besser *58, Cheshire: Edge of lane, Partington, SJ/733.914. A. Franks & P. Newton, 1990, det. T. C. G. Rich.

†108/3. *SISYMBRIUM LOESELII* L. *25, E. Suffolk: Sandy bank behind Marina, Shotley Point, TM/252.343. E. M. Hyde, 1991, **herb. T. C. G. Rich**, det. T.C.G.R.

111/1. *DESCURAINIA SOPHIA* (L.) Webb ex Prantl †42, Brecks.: Roadside verge, Llangattock, SO/21.18. A. Newton & M. Porter, 1989. 1st post-1930 record. †48, Merioneth: Disturbed ground by golf links, Morfa Harlech, SH/5.3. P. M. Benoit & D. C. Lang, 1990, **NMW**. 1st record this century.

113/5 × 4. *VIOLA REICHENBACHIANA* Jordan ex Boreau × *V. RIVINIANA* Reichb. *44, Carms.: Roadbank, Garn Fach, SN/571.156. R. D. Pryce, 1985, **NMW**, det. D. M. Moore.

113/6 × 4. *VIOLA CANINA* L. × *V. RIVINIANA* Reichb. *75, Ayr.: Dune grassland, Lendalfoot, NX/129.898. A. McG. Stirling, 1991.

113/9b. *VIOLA PALUSTRIS* subsp. *JURESSII* P. Fourn. *47, Monts.: Bare peat, Dovey Junction, SN/703.982. P. M. Benoit, 1989.

†113/10. *VIOLA CORNUTA* L. *77, Lanarks.: Woodland, Cleghorn Estate, NS/8.4. W. A. Scott, 1965.

123/1a. *SILENE VULGARIS* Garcke 93, N. Aberdeen: Disturbed roadside bank, Auchterless, NJ/706.411. D. Welch, 1991, **ABD**. 1st record since 1930.

123/14 × 13. *SILENE LATIFOLIA* Poir. × *S. DIOICA* (L.) Clairv. *75, Ayr.: Shingle shore, Pinbain, NX/136.913. A. McG. Stirling, 1991.

†124/cha. *LYCHNIS CHALCEDONICA* L. *35, Mons.: Forestry track, Bishop Barnet's Wood, Godefroy, ST/516.938. T. G. Evans, 1989, **NMW**.

131/10. *CERASTIUM DIFFUSUM* Pers. †12, N. Hants.: Abundant on roadside verges, Aldershot military town, SU/870.517. C. R. Hall, 1991, **herb. A. Brewis**, det. F. Rose. 2nd record.

133/3. *STELLARIA PALLIDA* (Dumort.) Piré 81, Berwicks.: Basaltic outcrop, Hareheugh Craigs, NT/688.400. R. W. M. Corner, 1991, **herb. M. E. Braithwaite**. 2nd record.

143/2. *SPERGULARIA BOCCONII* (Scheele) Graebner †*15, E. Kent: Roadside verge on chalky soil, Lower Bell near Maidstone, TQ/74.60. E. G. Philp, 1991, **MNE**, conf. J. Ratter.

144/1. *POLYCARPON TETRAPHYLLUM* (L.) L. 9, Dorset: Sandy shingle, Ferrybridge, SY/667.756. S. M. Eden, 1991. Only extant locality, in area where first recorded in 1774.

146/1. *HERNIARIA GLABRA* L. †*77, Lanarks.: Bare ground, site of 1988 Garden Festival, Glasgow, NS/56.65 and 57.65. P. Macpherson, 1990, **herb. P.M.** Present in increased quantity in 1991.

149/1b. *MONTIA FONTANA* subsp. *MINOR* Hayw. 81, Berwicks.: Basaltic outcrop, Hareheugh Craigs, NT/687.399. R. W. M. Corner, 1991, **herb. M. E. Braithwaite**. 2nd record.

†152/1. *CARPOBROTUS EDULIS* (L.) N. E. Br. *25, E. Suffolk: Shingle beach, Landguard Common, TM/28.31. G. E. Steeds, 1990, det. C. D. Preston.

†153/bli. *AMARANTHUS BLITOIDES* S. Watson *26, W. Suffolk: Sandy arable field, Icklingham, TL/768.735. E. Milne-Redhead, 1988, det. A. L. Grenfell.

154/14. *CHENOPODIUM RUBRUM* L. †*43, Rads.: Dung heap near New Radnor Station, SO/219.605. D. C. Boyce, D. R. Drewett & R. G. Woods, 1991.

156/4 × pra. *ATRIPLEX GLABRIUSCULA* Edmondston × *A. PRAECOX* Hülph. *68, Cheviot: Saltmarsh, Goswick, NU/054.458. G. A. & M. Swan, 1991, **herb. G.A.S.**, det. J. R. Akeroyd.

160/2. *SALICORNIA DOLICHOSTACHYA* Moss 44, Carms.: Channel to dock, Llanelli, SS/499.988. G. Hutchinson, 1987, **NMW**, det. D. H. Dalby. 1st post-1930 record.

163/4. *MALVA NEGLECTA* Wallr. *75, Ayr.: Car park and shore, Girvan, NX/182.975. A. McG. Stirling & A. Rutherford, 1991, **E**.

- 164/1. *LAVATERA ARBOREA* L. 50, Denbs.: Kimmel Bay, SH/994.807. G. Battershall, 1991. 2nd record, 1st since 1859.
- †165/2. *ALTHAEA HIRSUTA* L. 11, S. Hants.: Short coastal turf on reclaimed land, North Harbour, Cosham, SU/643.050. R. A. Barrett, 1991. 1st record as established population since 1922.
- 168/12. *GERANIUM ROTUNDIFOLIUM* L. †*46, Cards.: Waste ground and scrub, Llandbadarn Fawr, SN/598.810. S. P. Chambers, 1991, NMW.
- 169/1. *ERODIUM MARITIMUM* (L.) L'Hér. 14, E. Sussex: Bare chalk on cliff top, Flagstaff Point, TV/538.967. R. M. Burton, 1991, **herb. P. A. Harmes**. Only extant locality. *35, Mons.: Grassy bank near R. Severn, Sudbrook, ST/50.87. T. G. Evans, 1978. Rock garden and drive, La Cuesta, Chepstow, ST/52.93. T. G. Evans, 1981, still present in 1991. Introduced with sand and now well established. 1st and 2nd records.
- 169/2. *ERODIUM MOSCHATUM* (L.) L'Hér. †11, S. Hants.: Short turf by pavement, Portsdown Hill Road (B2177), Widley, SU/668.064. D. P. J. Smith, 1991, **herb. R. P. Bowman**. 1st record of established population since 1924.
- †170/3. *OXALIS STRICTA* L. *46, Cards.: Trackside in pasture, Glanrheidol, SN/663.792. A. O. Chater, 1990, NMW.
- †170/exi. *OXALIS EXILIS* Cunn. *46, Cards.: Abundant in lawns, Carrog, SN/562.724. A. O. Chater, 1991, NMW.
- †*RHUS HIRTA* (L.) Sudw. *70, Cumberland: Derelict industrial land, Mealsgate near Fletcher-town, NY/201.423. M. Porter, 1991.
- †183/2. *LUPINUS ARBOREUS* Sims *75, Ayr.: Sandy ground near shore, Seafield, NS/328.205. A. McG. Stirling & A. Rutherford, 1991.
- †184/alp. *LABURNUM ALPINUM* (Miller) Bercht. & J. S. Presl 70, Cumberland: Damp bank E. of Kershopefoot, NY/481.827. R. E. Groom, 1986, **LANC**, conf. A. O. Chater. 2nd record.
- 187/3. *ULEX MINOR* Roth †*59, S. Lancs.: Embankment of disused railway line, Culcheth, SJ/646.950. V. Gordon, 1990.
- †191/4. *MELILOTUS INDICUS* (L.) All. 12, N. Hants.: Disturbed sandy ground, Aldershot, SU/858.508. T. Dove & A. R. G. Mundell, 1990, **herb. A.R.G.M.** 2nd record.
- 200/3. *ASTRAGALUS GLYCYPHYLLOS* L. 35, Mons.: Rough meadow, R.A.F. Caerwent, ST/483.917. T. G. Evans and C. & G. Titcombe, 1991. 2nd extant locality.
- 205/1. *ONOBRYCHIS VICHIFOLIA* Scop. †70, Cumberland: Bank near old railway, Maryport, NY/02.36. N. Botham, 1991, **LANC**. 1st record this century.
- †206/6. *VICIA VILLOSA* Roth 12, N. Hants.: Abundant in disturbed sandy ground, Aldershot, SU/858.508. T. Dove & A. R. G. Mundell, 1990, **herb. A.R.G.M.** 2nd record.
- 206/10. *VICIA SYLVATICA* L. 12, N. Hants.: Wood W. of Appleshaw, SU/296.485. C. Chatters & I. Routh, 1991. 1st record since 1805.
- †106/14 seg. *VICIA SATIVA* subsp. *SEGETALIS* (Thuill.) Gaudin *77, Lanarks.: Grassy verge, Busby near Glasgow, NS/57.56. E. L. S. Lindsay & P. Macpherson, 1984, **herb. P.M.**, conf. A. McG. Stirling.
- 206/16. *VICIA LATHYROIDES* L. *1, W. Cornwall: Dry, stony soil on bank, Pendennis Castle, SW/824.317. R. J. Murphy & P. E. Tompsett, 1991, conf. R. M. Walls.
- 207/2. *LATHYRUS NISSOLIA* L. †46, Cards.: Railway embankment, Eglwys-Fach, SN/67.96. W. M. Condry, 1968, 1972. 2nd record. †*59, S. Lancs.: Weed amongst planted bushes, Risley Moss, SJ/668.928. V. Gordon, 1991.

- †ARUNCUS DIOICUS (Walter) Fern. *70, Cumberland: Lakeshore, Ullswater E. of Lyulph's Tower, NY/410.203. F. J. Roberts, 1991, **LANC**.
- 211/11/32. RUBUS BRITANNICUS Rogers *29, Cambs.: Woodland margin, Warren Hill, TL/660.637. A. L. Bull, 1989, **herb. A.L.B.**, conf. A. Newton.
- 211/11/51. RUBUS GLANDULIGER W. C. R. Watson *11, S. Hants.: Edge of clearing, Buckland Wood, Lymington, SZ/31.97. D. E. Allen, 1990, **BM**, conf. A. Newton.
- 211/11/74. RUBUS SILVATICUS Weihe & Nees *12, N. Hants.: Wood margin, Sydmonton Common, SU/49.62. D. E. Allen & F. H. Brightman, 1986, **herb. D.E.A.**, conf. A. Newton.
- 211/11/81. RUBUS ALBIONIS W. C. R. Watson *12, N. Hants.: Birchwood, Mount Pleasant, Tadley Common, SU/60.62. D. E. Allen, 1990.
- 211/11/83. RUBUS CRUDELIS W. C. R. Watson *11, S. Hants.: Wood and heath margin, Chark Common, SU/57.02. D. E. Allen, 1990, **BM**, conf. A. Newton.
- 211/11/107. RUBUS PAMPINOSUS Lees *12, N. Hants.: Wood margin, Hawley Common, SU/83.57. D. E. Allen, 1984, **herb. D.E.A.**, conf. A. Newton.
- 211/11/121. RUBUS CISSBURIENSIS W. C. Barton & Riddelsd. *4, N. Devon: Plantation verge, Challice's Plantation, Eggesford, SS/68.09. L. J. Margetts & W. H. Tucker, 1991, det. A. Newton.
- †211/11/139. RUBUS PROCERUS Müller *81, Berwicks.: Rough bank in village, Coldingham, NT/904.662. D. P. Earl, 1991.
- 211/11/158. RUBUS CINEROSIFORMIS Rilstone *9, Dorset: Heathy common, Lambert's Castle Hill, SY/363.987. L. J. Margetts, 1991, **RNG**.
- 211/11/198. RUBUS AHENIFOLIUS W. C. R. Watson *12, N. Hants.: Roadside verges near Pamber End, SU/60.58. D. E. Allen, 1990, **BM**, conf. A. Newton. *22, Berks.: Roadside, Silchester Common, SU/62.62. D. E. Allen, 1990.
- 211/11/329. RUBUS RILSTONEI W. C. Barton & Riddelsd. *9, Dorset: Forestry rides, Champernhayes Plantation, Wootton Hill, SY/355.970. L. J. Margetts, 1991, **RNG**.
- 212/3. POTENTILLA STERILIS (L.) Garcke 93, N. Aberdeen: Rocky ground by waterfall, Turriff, NJ/712.511. D. Welch, 1991, **ABD**. 1st post-1930 record.
- †212/7. POTENTILLA RECTA L. *77, Lanarks.: Grassy waste ground, Glasgow, NS/56.64. P. Macpherson, 1991, **herb. P.M**.
- †220/3/12. ALCHEMILLA MOLLIS (Buser) Rothm. *50, Denbs.: Waste ground by farm lane, north-east of Llanrwst, SH/837.655. R. Lewis, 1990, **NMW**. This record was erroneously attributed to v.c. 49 in *Watsonia* 18: 425 (1991).
- †223/2. SANGUISORBA MINOR subsp. MURICATA (Grenli) Briq. *44, Carms.: Llandybie, SN/610.145. R. D. Pryce, 1987. Carway, SN/455.067. F. H. Webb, 1991, det. R. D. Pryce. Both records from hedgebanks on restored opencast sites. 1st and 2nd records. *50, Denbs.: Roadside, Redbrook, SJ/508.412. K. Watson, 1991.
- †224/inc. ACAENA INERMIS Hook.f. *77, Lanarks.: Stabilised shingle near Culter Water, Coulter, NT/03.33. D. J. McCosh, 1981, **herb. D.J.McC**. Known here for at least 20 years.
- 225/8 × 7. ROSA CANINA L. × R. STYLOSA Desv. *46, Cards.: Hedge, Mwldan valley, Penparc, SN/197.486. A. O. Chater, 1991, **NMW**, det. G. G. Graham.
- 225/cae. ROSA CAESIA subsp. GLAUCA (Nyman) G. G. Graham & Primavesi 50, Denbs.: Hedge, Plas-yn-rhos, SJ/169.480. K. Watson, 1991. 2nd record.
- 225/cae. × 8. ROSA CAESIA subsp. GLAUCA (Nyman) G. G. Graham & Primavesi × R. CANINA L. *29, Cambs.: Hedge, Fowlmere Watercress Beds R.S.P.B. reserve, TL/405.458. A. Asher, P. H. Oswald & C. D. Preston, 1991, det. A. L. Primavesi. *46, Cards.: Hedge, Gwaryfelin, SN/595.794. A. O. Chater, 1991, **NMW**, det. G. G. Graham.

225/8 × 14. *ROSA CANINA* L. × *R. RUBIGINOSA* L. *64, Mid-W. Yorks.: Hedge, Micklefield, SE/445.336. P. P. Abbott, 1990, det. G. G. Graham.

225/8 × 15. *ROSA CANINA* L. × *R. MICRANTHA* Borrer ex Smith *48, Merioneth: Side of track, Arthog, SH/6.1. P. M. Benoit, 1991, NMW, conf. A. L. Primavesi.

225/10. *ROSA OBTUSIFOLIA* Desv. *46, Cards.: Roadside verge S. of Glanrheidol, SN/663.789. A. O. Chater, 1991, NMW, det. G. G. Graham.

225/13 × 12. *ROSA MOLLIS* Smith × *R. SHERARDII* Davies *46, Cards.: Hedge, Coed Cwmhwylog, Nanteos, SN/622.778. A. O. Chater, 1991, NMW, det. G. G. Graham.

225/15. *ROSA MICRANTHA* Borrer ex Smith *69, Westmorland: Limestone scrub, Heathwaite, SD/451.768. M. Baecker, 1991, LANC, det. G. G. Graham.

225/17. *ROSA AGRESTIS* Savi 11, S. Hants.: Scrub woodland, South Charford Drove, Breamore Down, SU/139.207. R. P. Bowman, 1991, **herb. R.P.B.**, det. A. L. Primavesi. 1st record since 1891 record at this site.

225/17 × 15. *ROSA AGRESTIS* Savi × *R. MICRANTHA* Borrer ex Smith *11, S. Hants.: Scrub woodland, South Charford Drove, Breamore Down, SU/139.207. R. P. Bowman, 1991, **herb. R.P.B.**, det. A. L. Primavesi.

†226/7. *PRUNUS LAUROCERASUS* L. *12, N. Hants.: By cricket ground, Amport, SU/304.438. M. F. Wildish, 1991.

†227/3. *COTONEASTER HORIZONTALIS* Decne. *12, N. Hants.: Water meadows, Winnall Moors N.R. near Winchester, SU/48.30. M.S.C. team, 1986. Chalk cutting on old road, Weyhill, SU/304.462. M. F. Wildish, 1991. 1st and 2nd records.

†227/atr. *COTONEASTER ATROPURPUREUS* Flinck & Hylmoe *77, Lanarks.: Scrubby waste ground, Cambuslang, NS/649.602. P. Macpherson, 1987. Old industrial site, Cambuslang, NS/646.605. P. Macpherson, 1988. Both **herb. P.M.**, det. J. Fryer & J. R. Palmer. 1st and 2nd records.

†227/hje. *COTONEASTER HJELMQVISTII* Flinck & Hylmoe *77, Lanarks.: Bank of R. Clyde, Glasgow, NS/58.64. P. Macpherson, 1989, **herb. P.M.**, det. J. Fryer.

†227/tra. *COTONEASTER TRANSSENS* Klotz *11, S. Hants.: Edge of ride in conifer plantation, Hurn Forest, SU/106.018. R. M. Walls & R. P. Bowman, 1985, **herb. R.P.B.**, det. J. Fryer. Published as *C. affinis* Lindley in *Watsonia* 17: 471 (1989).

229/1. *CRATAEGUS LAEVIGATA* (Poiret) DC. 50, Denbs.: Edge of lane, Isycoed Farm, SJ/413.519. P. Day, 1990. 2nd record. *63, S.W. Yorks.: Hedge S.W. of Cawthorne, SE/273.062. P. P. Abbott, 1991.

229/1 × 2. *CRATAEGUS LAEVIGATA* (Poiret) DC. × *C. MONOGYNA* Jacq. *38, Warks.: Hedge, Hampton in Arden, SP/199.829. S. M. Apted, 1991, **WAR**, det. P. J. Copson & J. C. Bowra.

232/5/1 × 1. *SORBUS ARIA* (L.) Crantz × *S. AUCUPARIA* L. †*59, S. Lancs.: Field edge, Rimrose valley, Waterloo, Crosby, SJ/327.985. V. Gordon, 1991.

232/5/7. *SORBUS RUPICOLA* (Syme) Hedlund *102, S. Ebudes: Bagh Uamh Mhor, Beinn na Capull, Jura, NR/67.99. D. J. McCosh, 1991, **E**, det. A. McG. Stirling.

†232/cro. *SORBUS CROCEOCARPA* Sell 44, Carms.: Open oakwood, Llety-yr-ychen Fawr, Burry Port, SN/455.015. I. K. Morgan, 1991, NMW, det. P. J. M. Nethercott. 2nd record. *77, Lanarks.: Scrubby wood, Shieldhall, Glasgow, NS/53.65. Laneside, Shieldhall, Glasgow, NS/53.66. Both P. Macpherson, 1990, **herb. P.M.**, det. P. J. M. Nethercott. 1st and 2nd records.

235/2a. *SEDUM TELEPHIUM* L. subsp. *TELEPHIUM* †*77, Lanarks.: Roadside west of East Kilbride, NS/59.52. A. C. & P. Macpherson, 1984, **herb. P.M.**, conf. D. R. McKean.

235/10. *SEDUM FORSTERIANUM* Smith †*39, Staffs.: With *S. album* on limestone rocks, Milldale, S. of Alstonefield, SK/132.549. B. R. Fowler, 1991, **herb. B.R.F.**

†237/hel. *CRASSULA HELMSII* (Kirk) Cockayne 2, E. Cornwall: Shallow pool near Lamedra Farm, SX/011.410. R. E. Lees & R. J. Murphy, 1991. 2nd record. *64, Mid-W. Yorks.: Edge of gravel pit, Ben Rhydding, SE/146.476. Yorkshire Naturalists' Union meeting, 1991.

239/6 × 5. *SAXIFRAGA HIRSUTA* L. × *S. SPATHULARIS* Brot. †*77, Lanarks.: Woodland in old estate, Hartwood, NS/84.59. P. Macpherson, 1975, **herb. P.M.**, det. C. A. Stace.

†240/1. *TELLIMA GRANDIFLORA* (Pursh) Douglas ex Lindley *79, Selkirks.: Riverside, island at confluence of Ettrick and Yarrow Waters, NT/447.273. D. Methven *et al.*, 1988, **herb. R. W. M. Corner**.

†241/1. *TOLMIEA MENZIESII* (Pursh) Torrey & A. Gray *47, Monts.: Edge of R. Vyrnwy, Pont Llogel, SJ/033.154. R. G. Woods, 1991.

†*DARMERA PELTATA* (Torrey ex Benth.) Voss ex Post & Kuntze *69, Westmorland: Laneside N. of Endmoor, SD/537.855. C. E. Wild, 1989, still present in 1991, G. Halliday, **LANC**.

†246/4. *RIBES SANGUINEUM* Pursh *49, Caerns.: Naturalized in woodland near Gwydyr Castle, Llanrwst, SH/792.611. R. Lewis, 1991, **NMW**.

†246/odo. *RIBES ODORATUM* Wendl.f. *77, Lanarks.: Bank of R. Clyde, Hutchesontown, NS/59.63. P. Macpherson, 1988, **E**, det. D. R. McKean.

253/1. *LUDWIGIA PALUSTRIS* (L.) Elliott †14, E. Sussex: Dew pond, South Hill Barn, Seaford Head, TV/505.980. P. D. L. Maurice, 1991, det. J. Wheatley. 1st record since c.1876.

254/†6 × 3. *EPILOBIUM CILIATUM* Raf. × *E. MONTANUM* L. *42, Brecks.: Disused railway, Llanhamlach, SO/08.27. M. Porter, 1987, det. T. D. Pennington. *46, Cards.: Waste ground, Tal-y-bont village, SN/654.893. A. O. Chater, 1990.

254/†6 × 7. *EPILOBIUM CILIATUM* Raf. × *E. TETRAGONUM* L. *44, Carms.: Rank vegetation in flood zone of stream, Pentre-cwrt, SN/390.386. G. Hutchinson, 1991, **NMW**, det. G. D. Kitchener & B. Wurzell. 1st Welsh record.

256/†2 × †1. *OENOTHERA GLAZIOVIANA* Micheli ex C. Martius × *O. BIENNIS* L. *38, Warks.: Waste ground, Emscote, SP/298.654. J. C. Bowra, 1988, **WAR**.

259/4. *MYRIOPHYLLUM ALTERNIFLORUM* DC. 61, S.E. Yorks.: Pond, Thornton Elers, Thornton, SE/73.45. D. R. Grant, 1990. Only extant locality.

†259/aqu. *MYRIOPHYLLUM AQUATICUM* (Vell. Conc.) Verdc. *28, W. Norfolk: Pond, Burnham Market, TF/826.418. G. Beckett, 1989, still present in 1991. *44, Carms.: Dafen Pond, Llanelli, SN/531.015. I. K. Morgan, 1991, **NMW**, conf. G. Hutchinson.

262/3. *CALLITRICHE OBTUSANGULA* Le Gall *67, S. Northumb.: Ditch near Healeywood, NZ/232.849. G. A. Swan, 1991, **herb. G.A.S.**, det. Q. O. N. Kay.

†*AUCUBA JAPONICA* Thunb. *99, Dunbarton: Wooded streamside, Millig Burn, Helensburgh, NS/29.82. A. Rutherford, 1985.

268/1 hib. *HEDERA HELIX* subsp. *HIBERNICA* (Kirchner) D. McClint. †*77, Lanarks.: Bank of North Calder, Maryville, NS/68.62. A. McG. Stirling, 1986. 1st record of naturalized population.

285/4. *APIUM INUNDATUM* (L.) H. G. Reichb. 80, Roxburghs.: Side of Woo Burn, Ashkirk, NT/461.178. R. W. M. Corner, 1991, **herb. R.W.M.C.** 2nd extant locality.

287/1. *SISON AMOMUM* L. 44, Carms.: Edge of path, Penclacwydd Wildfowl Centre, SS/530.986. B. Stewart, 1991, det. I. K. Morgan. 1st record since 1840s.

319/5. *EUPHORBIA HYBERNA* L. †*46, Cards.: Well established in scrub on slope, Llanbadarn Fawr, SN/598.810. S. P. Chambers, 1991, det. A. O. Chater.

320/1/3. *POLYGONUM RURIVAGUM* Jordan ex Boreau *25, E. Suffolk: Roadside verge, Tunstall, TM/35.54. A. L. Bull, 1991, **herb. E. & M. Hyde**, conf. B. T. Styles.

- 320/1/are. *POLYGONUM ARENASTRUM* Boreau *75, Ayr.: Turf paths, Ardneil Bay, NS/18.48. A. Somerville, 1903, **CGE**, det. B. T. Styles.
- 320/2. *POLYGONUM OXYSPERMUM* subsp. *RAII* (Bab.) D. Webb & Chater 28, W. Norfolk: Shingle beach, Snettisham, TF/646.329. M. Keene, 1991, conf. K. A. & G. Beckett. 2nd record.
- †320/7. *PERSICARIA AMPLEXICAULIS* (D. Don) Ronse Decraene 64, Mid-W. Yorks.: Road verge, Wetherby, SE/406.475. P. P. Abbott, 1991. 2nd record.
- 320/14. *PERSICARIA MINOR* (Hudson) Opiz 44, Carms.: Mud in old oxbow of R. Tywi, Bishop's Pond, Abergwili, SN/443.209. I. K. Morgan, 1991, **NMW**, det. G. Hutchinson. 1st record this century. 58, Cheshire: Edge of Oakmere, SJ/575.678. A. Franks, 1991, **herb. G. M. Kay**, det. J. R. Akeroyd. 2nd extant locality. *75, Ayr.: Stoney margin of Loch Maberry, NX/286.759. A. McG. Stirling & A. Rutherford, 1991, **E**.
- 320/†19 × †20. *FALLOPIA JAPONICA* (Houtt.) Ronse Decraene × *F. SACHALINENSIS* (F. Schmidt ex Maxim.) Ronse Decraene *4, N. Devon: Hedge, Philham, SS/259.234. W. H. Tucker, 1991, **herb. W.H.T.**, conf. L. J. Margetts. *77, Lanarks.: Trackside in wood, Bothwell, NS/69.59. P. Macpherson & E. L. S. Lindsay, 1991, **herb. P.M.**, conf. D. H. Kent.
- †320/22. *PERSICARIA CAMPANULATA* (Hook. f.) Ronse Decraene *48, Merioneth: Edge of stream near Egryn Abbey, SH/5.1. P. M. Benoit, 1991.
- 325/2 bif. *RUMEX ACETOSA* subsp. *BIFORMIS* (Lange) Valdes-Berm. & Castroviejo. *46, Cards.: With *Crithmum* on sea cliffs W. of New Quay, SN/373.595. A. O. Chater, 1988. Coastal grassland S.W. of Aberaeron, SN/426.607. A. O. Chater, 1991, det. P. D. Sell. 1st and 2nd records.
- 325/11 × 12. *RUMEX CRISPUS* L. × *R. OBTUSIFOLIUS* L. *50, Denbs.: Arable field, Penley, SJ/408.407. D. Tinston, 1991, **NMW**.
- 325/15 × 13. *RUMEX CONGLOMERATUS* Murray × *R. PULCHER* L. *2, E. Cornwall: Footpath S.W. of Pentire Farm, SW/934.800. G. D. Kitchener, 1989, det. J. R. Akeroyd.
- 343/2 × 1. *SALIX ALBA* L. × *S. PENTANDRA* L. *59, S. Lancs.: Disused railway line, Culcheth, SJ/640.956. V. Gordon, 1991, **herb. V.G.**, conf. R. D. Meikle.
- 343/2 × 4. *SALIX ALBA* L. × *S. FRAGILIS* L. *77, Lanarks.: Waste ground, Braehead, Glasgow, NS/52.67. P. Macpherson, 1987, **herb. P.M.**, det. R. D. Meikle.
- 343/6. *SALIX PURPUREA* L. 35, Mons.: Sandy bank of R. Usk, Llanllowell, ST/387.983. T. G. Evans & D. Lewis, 1991, **herb. T.G.E.** Only extant locality.
- †351/1. *GAULTHERIA SHALLON* Pursh *44, Carms.: Edge of conifer plantation, Gelli Aur, SN/597.197. I. K. Morgan, 1991, **NMW**.
- †352/1. *GAULTHERIA MUCRONATA* (L.f.) Hook. & Arn. *46, Cards.: Dry roadside bank, Eglwys Fach, SN/685.952. A. O. Chater & C. D. Preston, 1991, **NMW**.
- †370/5. *LYSIMACHIA PUNCTATA* L. *79, Selkirks.: Steep bank, Clovenfords, NT/452.367. R. W. M. Corner, 1991, **herb. R.W.M.C.**
- 372/1. *ANAGALLIS TENELLA* (L.) L. 81, Berwicks.: Flush in heather moor, Wheel Burn, NT/565.515. M. E. Braithwaite, 1991, **herb. M.E.B.** 2nd record, 1st since 1853.
- 382/1. *CENTAURIUM PULCHELLUM* (Sw.) Druce *67, S. Northumb.: Dune slack, Hadston Links, NZ/273.990. G. A. Swan, 1991, **herb. G.A.S.**, det. F. Ubsdell.
- 387/1. *NYMPHOIDES PELTATA* Kuntze †*69, Westmorland: Old clay pit, Barrow-in-Furness, SD/194.703. P. Burton, 1991, **LANC**. †*98, Main Argyll: Backwater of R. Awe at Fanans, NN/033.293. D. Dugan, 1985, still present in 1991, B. H. Thompson, **herb. B.H.T.**, conf. C. D. Preston.
- †*PHACELIA TANACETIFOLIA* Benth. *41, Glam.: Railway cutting, Wingfield Road, Whitchurch, ST/152.795. G. Hutchinson, 1991, **NMW**, det. R. G. Ellis. 2nd Welsh record.

392/6. *SYMPHYTUM TUBEROSUM* L. †**11**, S. Hants.: Edge of wood, Hedgemoor Copse, West Tytherley, SU/265.313. R. P. Bowman, 1966, **herb. R.P.B.**, still present in 1988. 1st record since 1929. †**59**, S. Lancs.: Hedge bank, Formby, SD/308.086. V. Gordon, 1990. 2nd record.

†392/7. *SYMPHYTUM GRANDIFLORUM* DC. ***77**, Lanarks.: Edge of wood, Carmunnock, NS/60.57. P. Macpherson, 1991, **herb. P.M.**

400/3. *MYOSOTIS STOLONIFERA* (DC.) Gay ex Leresche & Levier ***63**, S.W. Yorks.: Acidic flush, Hordron Clough, Langsett, SK/175.994. P. P. Abbott, 1991. Southerly extension of range. **80**, Roxburghs.: Wet flush, The Schil, NT/866.215. R. W. M. Corner & B. H. Thompson, 1991, **herb. R.W.M.C.** 2nd record.

406/1 ros. *CALYSTEGIA SEPIUM* subsp. *ROSEATA* Brummitt †***46**, Cards.: Railway embankment, Eglwys Fach, SN/673.962. A. O. Chater & W. M. Condry, 1991, **NMW**. Hedgebank, Tresaith, SN/279.514. A. O. Chater, 1991, **NMW**. 1st and 2nd records.

†416/3. *VERBASCUM PHLOMOIDES* L. **46**, Cards.: Disused railway, Felin-y-mor, Aberystwyth, SN/581.804. A. O. Chater, 1977, **NMW**, det. I. K. Ferguson. Still present in 1990.

[416/4 × 1. *VERBASCUM LYCHNITIS* L. × *V. THAPSUS* L. **46**, Cards.: Delete record published in *Watsonia* **12**: 173 (1978). specimen in **NMW** is *V. phlomoides* L., det. I. K. Ferguson, 1990].

416/7. *VERBASCUM NIGRUM* L. †***42**, Brecks.: Garden weed, Gilwern, SO/24.14. S. G. & A. Marshall, 1989, det. M. Porter. 1st localised record.

†420/5. *LINARIA DALMATICA* (L.) Miller ***64**, Mid-W. Yorks.: Verge of old A65 road south of Settle, SD/813.620. E. Shorrocks, 1991, det. N. Frankland.

424/2. *SCROPHULARIA AURICULATA* L. **71**, Man: Pasture by R. Dhoo, Glenlough, SC/343.779. J. Lamb & P. A. Sayle, 1991, conf. D. E. Allen. 2nd record, 1st as an undoubted native.

†425/cup. × 1 × 2. *MIMULUS CUPREUS* Dombroin × *M. LUTEUS* L. × *M. GUTTATUS* DC. ***41**, Glam.: R. Rhymney between Llechryd and Rhymney, SO/1.0. T. G. Evans, 1989, **NMW**, det. A. J. Silverside.

426/1. *LIMOSELLA AQUATICA* L. **75**, Ayr.: Edge of North Craig Reservoir, NS/437.414. R. L. Griffith, 1991, **herb. R.L.G.** 2nd record. ***93**, N. Aberdeen: Mud by dune slack, Sands of Forvie, NK/01.26. J. J. Barkman & C. H. Gimingham, 1990, **ABD**. Northerly extension of range.

430/2 × 3. *VERONICA ANAGALLIS-AQUATICA* L. × *V. CATENATA* Pennell ***36**, Herefs.: Disused gravel pit, Bodenham, SO/52.51. J. M. Croft & C. D. Preston, 1991, **CGE**.

†430/25. *VERONICA CRISTA-GALLI* Steven **46**, Cards.: Waste ground by Church Hall, Llanbarn Fawr, SN/598.810. A. O. Chater, 1991, **NMW**. 2nd record.

†430/aus. *VERONICA AUSTRIACA* subsp. *TEUCRIUM* (L.) D. Webb ***39**, Staffs.: Limestone spoil on railway sidings, Waterhouses, SK/072.492. B. R. Fowler, 1991.

[434/3. *MELAMPYRUM PRATENSE* L. **29**, Cambs.: Delete record published in *Watsonia* **18**: 429 (1991); specimen in **CGE** is *Stellaria holostea* L.]

435/1/19 × 13. *EUPHRASIA ROSTKOVIANA* Hayne × *E. NEMOROSA* (Pers.) Wallr. ***35**, Mons.: Floor of disused limestone quarry, Blackcliff, ST/533.984. T. G. Evans, 1988, **herb. T.G.E.**, det. A. J. Silverside. 1st Welsh record.

440/2. *OROBANCHE PURPUREA* Jacq. **26**, W. Suffolk: Lakenheath, TL/72.82. M. G. Rutterford, 1990, conf. F. W. Simpson. 1st post-1930 record. **45**, Pems.: Dunes over limestone west of Manorbier Church, SS/06.97. M. Higgins, 1991. Only extant locality.

440/4. *OROBANCHE ALBA* Stephan ex Willd. †***17**, Surrey: On *Thymus* in garden, host planted 20 years ago and not disturbed for at least 10 years, Abinger Hammer, TQ/098.460. P. Verrall, 1991, conf. F. J. Rumsey.

442/2. *UTRICULARIA AUSTRALIS* R. Br. ***80**, Roxburghs.: Branxholme Wester Loch, NT/422.110. M. E. Braithwaite, 1991, **herb. R. W. M. Corner**.

†464/rus. *PHLOMIS RUSSELIANA* (Sims) Benth. *70, Cumberland: Railway embankment, Langwathby, NY/575.324. F. Lawson, 1957, **CLE**, and R. W. M. Corner, 1990, **LANC**, both specimens det. G. Halliday.

472/1 int. *PLANTAGO MAJOR* subsp. *INTERMEDIA* (Gilib.) Lange *35, Mons.: Black Rock Point, ST/51.88. A. O. Chater, 1987, **NMW**.

472/5. *PLANTAGO CORONOPUS* L. †*43, Rads.: Close-grazed turf on roadside bank, Llannerch Cawr, SN/900.616. M. Porter, 1991, **NMW**.

†475/5. *CAMPANULA PERSICIFOLIA* L. 80, Roxburghs.: Railway cutting, Long Newton, NT/587.277. R. W. M. Corner, 1991, **herb. R.W.M.C.** 2nd record.

485/3 × 4. *GALIUM MOLLUGO* L. × *G. VERUM* L. *93, N. Aberdeen: Roadside bank, Auchterless, NJ/706.411. D. Welch, 1991, **ABD**.

485/6. *GALIUM PUMILUM* Murray 12, N. Hants.: Isle of Wight Hill, SU/245.373. P. Wilson, 1991. 2nd record.

485/10. *GALIUM ULIGINOSUM* L. 46, Cards.: Fen, Banc-y-mwldan S.S.S.I., Penparc, SN/197.483. W. Fojt, 1987, conf. A. O. Chater.

494/2. *VALERIANELLA CARINATA* Lois. 50, Denbs.: Colwyn Bay, SH/845.782. G. Battershall, 1991. 2nd record. *81, Berwicks.: Rock outcrop, Muckle Thairn, Girrick, NT/665.374. M. E. Braithwaite, 1991, **E**, det. D. R. McKean. Northerly extension of range.

†502/3. *BIDENS FRONDOSA* L. 44, Carms.: Witchett Pool, Laugharne, SN/28.07. V. Gordon, 1956, **NMW**, det. G. Hutchinson. 2nd record.

506/†4 × 7. *SENECIO SQUALIDUS* L. × *S. VISCOSUS* L. *58, Cheshire: By gravel track, Alsager, SJ/796.548. G. M. Kay, 1990, **herb. G.M.K.**

506/†4 × 8. *SENECIO SQUALIDUS* L. × *S. VULGARIS* L. *45, Pems.: Waste ground, Goodwick Harbour, SM/95.38. J. W. Partridge, 1988, **NMW**, det. C. Jeffrey.

506/6. *SENECIO SYLVATICUS* L. 111, Orkney: Eroded bank at top of beach, Rackwick Bay, ND/197.990. B. H. Thompson, 1991. Only extant locality.

†509/3. *PETASITES JAPONICUS* (Siebold & Zucc.) Maxim. 2, E. Cornwall: Roadside bank, Lower Woon, SX/035.623. B. Molland, 1991, det. R. J. Murphy. 2nd record. 49, Caerns.: Tidal mudbank, Afon Ro near confluence with Afon Conwy, SH/77.69. R. Lewis, 1991. 2nd record. *79, Selkirks.: Side of R. Tweed below Yair Bridge, NT/462.325. D. Methven, 1991.

513/1. *PULICARIA DYSENTERICA* (L.) Bernh. *99, Dunbarton: Ditch bank, Bannachra Muir, Helensburgh, NS/33.83. K. Futter, 1991, **E**, conf. A. McG. Stirling.

†518/2. *SOLIDAGO CANADENSIS* L. 50, Denbs.: Kimmel Bay, SH/990.808. G. Battershall, 1991. 2nd record.

†518/3. *SOLIDAGO GIGANTEA* subsp. *SEROTINA* (O. Kuntze) McNeill *38, Warks.: Disused quarry, Little Compton, SP/270.291. J. C. Bowra, 1980, **WAR**, det. C. Jeffrey & D. H. Kent.

†519/8. *ASTER LANCEOLATUS* Willd. *46, Cards.: Tidal river bank, Afon Rheidol, Glanyrafon, SH/612.804. Waste ground near railway, Aberystwyth, SN/589.811. Both A. O. Chater, 1990, **NMW**, det. P. F. Yeo. 1st and 2nd records.

†519/9. *ASTER* × *SALIGNUS* Willd. *46, Cards.: Tidal river bank, Afon Leri, Borth, SN/616.898. Railway embankment, Glandyfi, SN/696.976. Both A. O. Chater, 1990, **NMW**, det. P. F. Yeo. 1st and 2nd records.

†522/1. *CONYZA CANADENSIS* (L.) Cronq. *77, Lanarks.: Waste ground near R. Clyde, Glasgow, NS/56.65. P. Macpherson, 1991, **herb. P.M.**

538/3. *ARCTIUM MINUS* subsp. *PUBENS* (Bab.) Arenes *46, Cards.: Disturbed ground by caravan site, Ystrad Teilo, Llanrhystud, SN/546.695. A. O. Chater, 1991, **NMW**, conf. F. H. Perring.

544/3. *CENTAUREA CYANUS* L. 61, S.E. Yorks.: Roadside verge, Bursea Lane, SE/803.342. F. E. Crackles, 1991. Only extant locality. 70, Cumberland: Grass verge, lane off Linefoot-Broughton Moor Road, NY/075.341. N. Botham, 1972. Only extant locality.

552/2 × 1b. *TRAGOPOGON PORRIFOLIUS* L. × *T. PRATENSIS* subsp. *MINOR* (Miller) Wahlenb. *25, E. Suffolk: Roadside verge, Tunstall, TM/35.54. P. G. Lawson, 1991.

554/1. *LACTUCA SERRIOLA* L. *58, Cheshire: Embankment and ditchside, Helsby, SJ/489.774. G. M. Kay & T. C. G. Rich, 1991.

558/1/3. *HIERACIUM SPELUNCARUM* Arv.-Touv. *77, Lanarks.: Spoil heaps amongst scrub near Bishopbriggs Golf Course, NS/59.71. D. J. McCosh & K. J. Watson, 1991, **GLAM**.

558/1/45. *HIERACIUM LASIOPHYLLUM* Koch *44, Carms.: Dry rocks above Troed-rhiw-ruddwen, Rhandirmwyn, SN/7.4. I. M. Vaughan, 1972, **NMW**, det. J. Bevan.

558/1/99. *HIERACIUM GRANDIDENS* Dahlst. *93, N. Aberdeen: Dyke along shelter belt, Oyne, NJ/671.262. D. Welch, 1989, **ABD**, det. D. J. McCosh & P. D. Sell.

558/1/136. *HIERACIUM CAESIOMURORUM* Lindeb. *93, N. Aberdeen: Rock ledge by waterfall, Craig, NJ/472.247. D. Welch, 1990, **herb. D.W.**, det. D. J. McCosh.

558/1/222. *HIERACIUM SALTICOLA* (Sudre) Sell & C. West *41, Glam.: Grassy waste ground, Cardiff Docks, ST/205.743. G. Hutchinson, 1986, **NMW**, det. J. Bevan.

558/1/223. *HIERACIUM VAGUM* Jordan *41, Glam.: Disused railway line, St Fagans, ST/117.768. G. Hutchinson, 1990, **NMW**, det. J. Bevan.

558/1/mem. *HIERACIUM MEMORABILE* Sell & C. West 88, Mid Perth: Rocky ledges, N. Coire, Beinn Heasgarnich, NN/41.38. D. J. Tennant, 1991, **herb. D.J.T.** 1st record since 1891 specimen from this site.

†571/1. *LAGAROSIPHON MAJOR* (Ridley) Moss *39, Staffs.: Canal N. of Brownhills, SK/046.071. J. P. Martin, 1990, **K**, det. D. A. Simpson.

577/11. *POTAMOGETON FRIESII* Rupr. *80, Roxburghs.: Branxholme Easter Loch, NT/43.11. P. Macpherson, 1991, **herb. P.M.**, det. C. D. Preston.

577/16. *POTAMOGETON TRICHOIDES* Cham. & Schldl. *12, N. Hants.: Pond by R. Blackwater, Hawley, SU/855.595. C. R. Hall, 1991, **herb. A. Brewis**, det. N. T. H. Holmes & C. D. Preston. *36, Herefs.: Recently cleared section of Hereford & Gloucester Canal E. of Skew Bridge, Monkhide, SO/61.43. J. M. Croft & C. D. Preston, 1991, **CGE**.

579/1. *RUPPIA CIRRHOSA* (Petagna) Grande *69, Westmorland: Old mine shaft frequently inundated by sea, Blacks Pond, Askam in Furness, SD/207.763. P. Burton, 1991, **LANC**, conf. C. D. Preston.

601/1. *MUSCARI NEGLECTUM* Guss. ex Ten. †*70, Cumberland: Quarry, Catlands, NY/2.4. M. Porter, 1991.

602/1. *COLCHICUM AUTUMNALE* L. †*73, Kirkcudbrights.: Mill Island, R. Cree, NX/409.662. J. McCleary, 1989.

†605/2. *JUNCUS TENUIS* Willd. *67, S. Northumb.: Grassy track, W. bank of R. Allen opposite Plankey Mill, NY/795.622. G. A. Swan, 1972, **herb. G.A.S.** First recorded in NY/7.6 in 1955; still present in 1991. Waste ground near Albert Edward Dock, NZ/348.671. D. N. Mitchell, 1988, **herb. G.A.S.** 1st and 2nd records.

605/4. *JUNCUS COMPRESSUS* Jacq. 35, Mons.: Wet hollow, White House Farm, SO/42.14. P. C. & J. Hall, 1991, **NMW**, det. P. C. H. & T. G. Evans. Only extant locality. *58, Cheshire: Boggy area by pool, Middlewich, SJ/699.669. J. H. Clarke, 1991, **herb. G. M. Kay**, det. C. A. Stace.

- 605/12. *JUNCUS FILIFORMIS* L. *59, S. Lancs.: Exposed shore of Earnsdale Reservoir, TM/669.221. P. Jepson, 1991.
- 607/6. *ALLIUM OLERACEUM* L. 26, W. Suffolk: Roadside verge, Shaker's Lane, Bury St Edmunds, TL/86.64. P. G. Lawson & E. Milne-Redhead, 1991. 2nd extant locality.
- †616/2. *IRIS VERSICOLOR* L. 70, Cumberland: Amongst *Juncus* by lakeside between Fawe Park and Lingholm, Derwentwater, NY/254.224. E. Sterne, 1985, LANC, det. B. Mathew. 2nd record.
- 628/2. *LISTERA CORDATA* (L.) R. Br. 46, Cards.: Moorland N. of Cwm Ystwyth, SN/812.778. A. Jones, 1991. 2nd record.
- 640/3. *OPHRYS SPHEGODES* Miller 26, W. Suffolk: Open grassland, Lakenheath, TL/7.8. L. Farrell, 1991, conf. J. J. Wood. 1st record since 1793.
- 643/1 × 3b. *DACTYLORHIZA FUCHSII* (Druce) Soó × *D. INCARNATA* subsp. *PULCHELLA* (Druce) Soó *62, N. E. Yorks.: Calcareous flush, Dalby Forest near Thornton Dale, SE/8.8. F. Horsman, 1991.
- 643/1 × 5. *DACTYLORHIZA FUCHSII* (Druce) Soó × *D. PURPURELLA* (Stephenson & T. A. Stephenson) Soó *46, Cards.: Dune slack, Ynys-las Dunes N.N.R., SN/611.938. F. Horsman, 1991.
- 643/3b. *DACTYLORHIZA INCARNATA* subsp. *PULCHELLA* (Druce) Soó 65, N.W. Yorks.: Marsh, Combe Scar, SD/679.875. F. Horsman, 1991. 2nd record.
- 643/3a × 2b. *DACTYLORHIZA INCARNATA* (L.) Soó subsp. *INCARNATA* × *D. MACULATA* subsp. *ERICETORUM* (Linton) P. Hunt & Summerh. *46, Cards.: Fen, Mwdan valley N.N.E. of Penparc, SN/201.489. F. Horsman, 1991.
- 643/4. *DACTYLORHIZA PRAETERMISSA* (Druce) Soó 62, N.E. Yorks.: Streamside, Keysbeck, Stape, SE/798.953. P. Sykes, 1991, det. F. Horsman. Only extant locality.
- 643/6 cam. *DACTYLORHIZA MAJALIS* subsp. *CAMBRENSIS* (Roberts) Roberts 46, Cards.: Fen near Cardigan, SN/1.4. F. Horsman, 1991. 2nd record.
- 643/6 cam. × 5. *DACTYLORHIZA MAJALIS* subsp. *CAMBRENSIS* (Roberts) Roberts × *D. PURPURELLA* (Stephenson & T. A. Stephenson) Soó *46, Cards.: Dune slack, Ynys-las Dunes N.N.R., SN/609.939. D. C. Lang & A. P. Fowles, 1990.
- 643/7. *DACTYLORHIZA TRAUNSTEINERI* (Sauter ex Reichb.) Soó *11, S. Hants.: Flushed marshy clearing, Exbury, SU/4.0. R.P. Bowman, 1984, det. F. Rose.
- †646/1. *ACORUS CALAMUS* L. 50, Denbs.: Marchwiell, SJ/355.468. P. Goodhind, 1991. 2nd record. 80, Roxburghs.: Side of R. Teviot below Roxburgh Castle, NT/713.337. J. M. Croft, C. D. Preston & O. M. Stewart, 1991, herb. R. W. M. Corner. Only extant locality.
- †647/1. *CALLA PALUSTRIS* L. *47, Monts.: Roadside marsh, Meifod, SJ/160.126. H. Webster, 1989. Known for over 20 years but now almost overwhelmed by *Petasites japonicus*. 1st Welsh record.
- †648/1. *LYSICHTON AMERICANUS* Hultén & H. St John 46, Cards.: Stream bank, Tyglyn, SN/498.598. R. N. Stringer, 1991. 2nd record.
- 650/4. *LEMNA GIBBA* L. 44, Carms.: Ditch north of Glanrhyd Farm, Pembrey, SN/406.043. I. K. Morgan, 1991, NMW, conf. G. Hutchinson. 1st record since 1840s. Garden pond, Towy View near Ffairfach, SN/640.225. I. K. Morgan, 1991. 2nd extant locality.
- 650/min. *LEMNA MINUTA* Kunth *44, Carms.: Ditch between Bury Port and Pwll, SN/462.012. Reed swamp E. of Bury Port, SN/458.010. Both I. K. Morgan, 1991, NMW, det. G. Hutchinson & A. Orange. 1st and 2nd records. 3rd and 4th Welsh records.
- 653/2 × 1. *TYPHA ANGUSTIFOLIA* L. × *T. LATIFOLIA* L. *13, W. Sussex: Ponds, Chichester Gravel Pits, SU/872.032. G. H. Forster, 1991. *14, E. Sussex: Ditch in pasture near R. Ouse, Lewes, TQ/428.055. T. C. G. Rich, 1991, LANC.

- 654/3. *ERIOPHORUM LATIFOLIUM* Hoppe 81, Berwicks.: Calcareous flush, Lamberton Moor, NT/955.582. M. E. & P. F. Braithwaite, 1991, **herb. M.E.B.** 2nd extant locality.
- 655/11. *ISOLEPIS CERNUA* (Vahl) Roemer & Schultes 47, Monts.: Saltmarsh, Dovey Junction Station, SN/695.984. P. M. Benoit, 1989. Only extant locality; last seen here in 1939.
- 656/6. *ELEOCHARIS UNIGLUMIS* (Link) Schultes *17, Surrey: Old sand filter bed, Barn Elms waterworks, TQ/228.774. M. Mullin, 1991.
- 658/1. *CYPERUS LONGUS* L. †59, S. Lancs.: By dried-up reservoir, Pilsworth, SD/755.086. A. Franks. 1991. 2nd record.
- 659/1. *SCHOENUS NIGRICANS* L. 81, Berwicks.: Calcareous flush, Lamberton Moor, NT/955.582. M. E. & P. F. Braithwaite, 1991, **herb. M.E.B.** 2nd extant locality.
- 663/23. *CAREX STRIGOSA* Hudson *63, S. W. Yorks.: Damp ditch in wood, Margery Wood, Cawthorne, SE/278.095. P. P. Abbott, 1991, det. W. A. Sledge.
- 663/28. *CAREX LIMOSA* L. 50, Denbs.: Soligenous flush, Pentrevoelas, SH/890.545. J. A. Green, 1991. 2nd record.
- 663/60. *CAREX DISTICHA* Hudson *48, Merioneth: *Phragmites* swamp near Llanaber, SH/5.1. P. M. Benoit, 1991, **NMW**.
- 663/61. *CAREX ARENARIA* L. †77, Lanarks.: Waste ground behind High Street Railway Station, Glasgow, NS/59.65. J. H. Dickson, 1989, **GL**. 2nd record.
- 663/81. *CAREX DIOICA* L. *43, Rads.: *Molinia* flush below Craig y Bwlch, SN/900.619. D. Reed, 1991, **NMW**, conf. R. G. Woods.
- 667/1 aru. *MOLINIA CAERULEA* subsp. *ARUNDINACEA* (Schrank) K. Richter *58, Cheshire: Roadside ditch, Goostrey, SJ/797.729. G. M. Kay, 1991, **herb. G.M.K.**
- †*ERAGROSTIS CURVULA* (Schrader) Nees *11, S. Hants.: Side of disused railway near Mayflower Park, Southampton, SU/416.111. E. J. Clement & A. L. Grenfell, 1989, **herb. R. P. Bowman**, det. T. A. Cope.
- †670/6 meg. *FESTUCA RUBRA* subsp. *MEGASTACHYS* Gaudin *25, E. Suffolk: Earth bank, Landguard Common, TM/28.31. A. Copping, 1987, det. C. A. Stace. *29, Cambs.: Roadside verge, Little Shelford, TL/446.513. P. J. O. Trist, 1991, **herb. P.J.O.T.**
- 670/7. *FESTUCA ARENARIA* Osbeck *44, Carms.: Shingle at foot of calcareous cliff, Llansteffan, SN/3.0. I. M. Vaughan, 1967, **NMW**, det. A. K. Al-Bermani.
- 670/9. *FESTUCA FILIFORMIS* Pourret *47, Monts.: On hummocks in boggy field near Llanfihangel-yng-Ngwynfa, SJ/09.15. P. M. Benoit, 1989.
- 670/10. *FESTUCA VIVIPARA* (L.) Smith 50, Denbs.: Rocky outcrop at 450 m. Migneunt, SH/778.425. G. Battershall, 1991. 2nd record.
- 671/†2 × 1. *LOLIUM MULTIFLORUM* Lam. × *L. PERENNE* L. *38, Warks.: Farm track, Upper Shuckburgh, SP/486.603. J. C. Bowra, 1991, **WAR**, det. P. J. Copson.
- 672/5. *VULPIA CILIATA* subsp. *AMBIGUA* (Le Gall) Stace & Auq. *48, Merioneth: Low hummocks in dune grassland, Aberdyfi golf links, SN/5.9 and 6.9. P. M. Benoit, 1991, **NMW**. 1st Welsh record.
- 673/2. *PUCCINELLIA DISTANS* (Jacq.) Parl. *48, Merioneth: Embankment, Mawddach estuary at Garth Isaf, SH/6.1. P. M. Benoit, 1991, **NMW**.
- 673/5. *PUCCINELLIA RUPESTRIS* (With.) Fern. & Weath. 2, E. Cornwall: Abundant on mud on sides of Millbrook Pond, SX/425.523. R. W. Gould, 1991, conf. L. J. Margetts. 1st record since 1917.
- 676/11. *POA ANGUSTIFOLIA* L. 2, E. Cornwall: Penlee Battery, Rame peninsula, SX/440.493. R. W. Gould, 1991, **herb. R. J. Murphy**, conf. L. J. Margetts & R. J. M. 2nd record.

†680/2. *BRIZA MINOR* L. *13, W. Sussex: Halsey's Farm, Chichester Harbour, SZ/871.975. G. H. Forster, 1991.

683/1. *BROMOPSIS ERECTA* (Hudson) Fourr. *43, Rads.: Grassland in base of old quarry, Stanner Rocks, SO/26.58. R. G. Woods, 1988, NMW, det. T. G. Evans. One plant.

†683/4. *BROMOPSIS INERMIS* (Leysser) Holub *14, E. Sussex: Edge of Sports Field, Bevingdean Hospital, TQ/331.061. A. Spiers, 1990, herb. P. A. Harmes. Chalk downs, Castle Hill, Brighton, TQ/367.070. G. Steven, 1991, det. P. J. O. Trist. 1st and 2nd records.

†683/13. *BROMUS LEPIDUS* O. Holmb. *44, Carms.: Forestry rides, Pembrey Forest, SN/3.0. I. M. Vaughan, 1965, NMW.

†683/19. *CERATOCHLOA CARINATA* (Hook & Arn.) Tutin *2, E. Cornwall: Roadside verge, Saltermill, SX/430.637. T. Atkinson, 1991. *11, S. Hants.: Sandy roadside verge, Belvidere, Northam, SU/430.129. P. D. Stanley, 1991, herb. R.P. Bowman, det. R. P. B. & P. J. O. Trist.

684/2. *BRACHYPODIUM PINNATUM* (L.) P. Beauv. *52, Anglesey: Pine plantation on sand dune, Newborough Forest, SH/398.637. N. H. Brown & R. H. Roberts, 1990, NMW.

687/1. *HORDEUM SECALINUM* Schreber †73, Kirkcudbrights.: Field track E. of Castlecreavie, NX/726.488. O. M. Stewart, 1991, E, det. P. J. O. Trist. 1st record since 1910.

687/jub. *HORDEUM JUBATUM* L. 49, Caerns.: Sandy beach, Pontlyfni, SH/433.532. L. J. Larsen, 1989, NMW, det. R. G. Ellis.

689/1. *KOELERIA MACRANTHA* (Ledeb.) Schultes 44, Carms.: Limestone grassland near Llandyfan, SN/647.176. D. Grey & S. Gouch, 1989. 2nd extant locality. *48, Merioneth: Calcareous dune grassland, Aberdyfi golf links, SN/6.9. P. M. Benoit, 1991, NMW.

700/1. *CALAMAGROSTIS EPIGEJOS* (L.) Roth 111, Orkney: Tall herb community on cliff top, Hoxa, S. Ronaldsay, ND/40.93. E. R. Bullard, 1989, det. P. J. O. Trist.

700/3. *CALAMAGROSTIS STRICTA* (Timm) Koeler *59, S. Lancs.: Old pool, Charles St, Darwen, SD/690.227. P. Jepson & N. P. Symonds, 1991, det. H. J. M. Bowen.

701/2b. *AGROSTIS VINEALIS* Schreber *44, Carms.: Cerrig Cyffion, SN/68.46. R. Walls, 1988, NMW.

†701/8. *POLYPOGON VIRIDIS* (Gouan) Breistr. *52, Anglesey: Disused limestone quarry, Benllech, SH/51.81. J. E. Hawksford, 1991, det. R. H. Roberts.

†702/1. *APERA INTERRUPTA* (L.) P. Beauv. *77, Lanarks.: Canal towpath, Maryhill, NS/57.68. K. Watson, 1988, GL. Princes Dock, Glasgow, NS/56.64. A. McG. Stirling, 1988, GL. 1st and 2nd records.

707/4 *PHLEUM PHLEOIDES* (L.) Karsten *25, E. Suffolk: Chalky hollow on golf course, Stuston Common, TM/136.786. S. Hooton, 1991, conf. A. Copping.

719/2. *DIGITARIA SANGUINALIS* (L.) Scop. *2, E. Cornwall: Pavement weed, Saltash, SN/432.587. S. C. & P. S. Madge, 1990.