

Plant Records

Records for publication must be submitted to the appropriate Vice-county Recorder (see *Vice-county Recorders* (1988)), 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 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) and his subsequent revision (*Watsonia*, 7: 157-178 (1969)). All records are field records unless otherwise stated. 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 from the following vice-counties are included in the text below: 2, 4-7, 11-14, 17, 25-27, 33-35, 38-51, 59-62, 64, 65, 67-73, 75, 77-81, 83, 88, 93, 96, 98, 99, 101, 103, 104, 111, H5, H8, H21, H33, H39.

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.

1/1. HUPERZIA SELAGO (L.) Bernh. ex Schrank & C.F.P. Mart. **83**, Midlothian: Jeffrey's Course, Hawkster Gill Burn, GR 36/29.49. Streamside. N. F. Stewart, 1983. Only extant locality.

1/5. DIPHASIASTRUM ALPINUM (L.) Holub **80**, Roxburghs.: Black Needle, Kielderhead, GR 36/64.02. Amongst broken rocks at 440 m. C. O. Badenoch & A. Panter, 1988. Only extant locality.

2/1. SELAGINELLA SELAGINOIDES (L.) Link **46**, Cards.: Soar y Mynydd, GR 22/78.53. Flushed slope. A. O. Chater & D. Davies, 1988. 2nd record. **83**, Midlothian: Moorfoot Hills south-east of Trousley, GR 36/38.45. Wet flush. D. Adamson, 1988. Glentress Burn, Mount Main, GR 36/37.48. Stony flush. D. R. McKean, 1988, **E**. Only extant localities.

3/2. ISOETES ECHINOSPORA Durieu **2**, E. Cornwall: Glynn Valley Works north of Maidenwell, GR 20/14.71. Edge of pool. T. J. Dingle, R. Lees & R. J. Murphy, 1988. 2nd record. ***47**, Monts.: Glaslyn, GR 22/82.94. A. J. Morton, 1982, det. A. M. Paul. Llyn Penrhoadr, GR 22/75.93. A. J. Morton, 1985. 1st and 2nd records.

4/1 × 4. EQUISETUM HYEMALE L. × E. VARIEGATUM Schleicher ex Weber & Mohr ***103**, Mid Ebudes: West of Carpach, Coll, GR 17/14.53. Steep slope of sand dune. H. J. Noltie, 1987, **E**, det. C. N. Page. 1st confirmed record.

†4/3. EQUISETUM RAMOSISSIMUM Desf. ***6**, N. Somerset: Weston-super-Mare, GR 31/31.60. Sandy bank. P. R. & I. P. Green, 1986, **BM**, det. A. C. Jermy.

4/4. EQUISETUM VARIEGATUM Schleicher ex Weber & Mohr **104**, N. Ebudes: Bearreraig River, GR 18/51.52. Damp gravel and scree. C. W. Murray, 1984, **herb. C.W.M.**, det. C. N. Page. 2nd record.

4/7 × 8. EQUISETUM SYLVATICUM L. × E. PRATENSE Ehrh. ***88**, Mid Perth: Ben Lawers, GR 27/60.40. Grassy, damp scree. D. Marden *et al.*, 1985, **E**, det. C. N. Page. 1st British record.

4/8. EQUISETUM PRATENSE Ehrh. ***93**, N. Aberdeen: Cabrach, GR 38/38.26. Heathery open woodland by river. D. Welch, 1987, **herb. D. W.**, det. C. N. Page.

7/1. HYMENOPHYLLUM TUNBRIGENSE (L.) Sm. **104**, N. Ebudes: Raasay Forest north of Screapadal, GR 18/58.45. Shaded stream-banks in conifer forest. A. Currie & F. Rose, 1988. 2nd Raasay record and northernmost British locality.

7/2. *HYMENOPHYLLUM WILSONII* Hooker 104, N. Ebudes: Allt na Criche Tuatha, Canna, GR 18/22.05. Shaded gorge. H. J. B. & H. H. Birks, 1984. 1st Canna record.

9/1. *CRYPTOGRAMMA CRISPA* (L.) R.Br. ex Hooker *43, Rads.: South of Glog-fawr near Garreg Ddu Reservoir, GR 22/91.66. Shale quarry waste. R. G. Woods, 1988. Rhayader, GR 22/9.7. Rock outcrop. I. D. Soane & D. Hargreaves, 1988. 1st and 2nd records, both of single plants.

11/1. *ADIANTUM CAPILLUS-VENERIS* L. †*34, W. Gloucs.: Coleford, GR 32/57.10. Mortar of disused railway bridge. E. W. Jones, 1988. Present for over 25 years.

15/5. *ASPLENIUM TRICHOMANES* L. subsp. *TRICHOMANES* 73, Kirkcudbrights.: Holy Linn, Barscobe, GR 25/6.8. Rocks by river. O. M. Stewart, 1986, E. 2nd record.

16/1. *CETERACH OFFICINARUM* DC. *77, Lanarks.: Stonehouse, GR 26/7.4. Wall. S. W. Birnage, 1956, herb. S.W.B. Biggar, GR 36/03.36. Wall. M. M. Allan, 1983, eradicated in 1986. 1st and 2nd records.

21/2 aff. *DRYOPTERIS AFFINIS* (Lowe) Fraser-Jenkins subsp. *AFFINIS* *75, Ayr.: Craigie, GR 26/42.32. T. Wise, n.d. but c. 1900, GL, det. C. R. Fraser-Jenkins. *99, Dunbarton: Tarbet, GR 27/3.0. T. Moore, 1855, K, det. C. R. Fraser-Jenkins. *101, Kintyre: Dearg Allt, GR 16/82.78. A. G. Kenneth, 1987, det. A. C. Jermy.

21/2 bor. *DRYOPTERIS AFFINIS* (Lowe) Fraser-Jenkins subsp. *BORRERI* (Newman) Fraser-Jenkins *75, Ayr.: Near Barr, GR 25/27.94. Woods. J. R. Lee, 1936, GL, det. C. R. Fraser-Jenkins. *99, Dunbarton: Kilpatrick Hills, GR 26/4.7. L. Watt, 1889, GL, det. C. R. Fraser-Jenkins. *101, Kintyre: South of Artilligan Bridge, GR 16/85.77. Roadside woodland. A. G. Kenneth, 1987, det. A. C. Jermy.

21/2 cam. *DRYOPTERIS AFFINIS* (Lowe) Fraser-Jenkins subsp. *CAMBRENSIS* Fraser-Jenkins *75, Ayr.: Hindog Glen, Dalry, GR 26/28.50. R. Kidston, 1877, GL, det. C. R. Fraser-Jenkins. *99, Dunbarton: Glen Fruin, Helensburgh, GR 26/3.8. Unknown collector, 1939, GL, det. C. R. Fraser-Jenkins. *101, Kintyre: Near Artilligan Cottage, GR 16/85.76. Scrub. A. G. Kenneth, 1987, det. A. C. Jermy.

21/2 × 1. *DRYOPTERIS AFFINIS* (Lowe) Fraser-Jenkins × *D. FILIX-MAS* (L.) Schott *44, Carms.: Near Gwyddrug, GR 22/4.3. Roadside bank. A. M. Pell & T. S. Crosby, 1986, NMW. 1st confirmed record.

[21/3. *DRYOPTERIS OREADES* Fomin 101, Kintyre: Delete record, material collected by M. Cunningham on which it is based is *D. filix-mas* (L.) Schott.]

21/8. *DRYOPTERIS AEMULA* (Aiton) O. Kuntze *60, W. Lancs.: Thorn Crag, Over Wyersdale, GR 34/59.47. Gritstone rocks. E. F. Greenwood & N. A. Robinson, 1985, LIV. R. Brock, Myerscough, GR 34/50.40. Streamside. C. J. Bruxner, 1986, det. B. S. Parris. 1st and 2nd records.

21/9. *DRYOPTERIS EXPANSA* (C. Presl) Fraser-Jenkins & Jermy *67, S. Northumb.: Deadwater Fell, GR 35/62.97. Amongst boulders. G. A. & M. Swan, 1988, herb. G.A.S., det. A. C. Jermy. 73, Kirkcudbrights.: Black Gairy, GR 25/41.85. Rocky cliff. H. Lang, 1988. 2nd record.

22/2 × 1. *POLYSTICHUM ACULEATUM* (L.) Roth × *P. SETIFERUM* (Forskål) Woyнар *69, Westmorland: R. Lyvenet west of King's Meaburn, GR 35/61.21. R. W. M. Corner, 1988, LANC, det. A. C. Jermy. *70, Cumberland: R. Caldew above Sebergham, GR 35/34.40. Gorge. R. W. M. Corner, 1988, BM, det. A. C. Jermy.

24/4. *GYMNOCARPIUM DRYOPTERIS* (L.) Newman 34, W. Gloucs.: Newent Woods, GR 32/70.21. Old woodland. J. M. Fleming, 1988. 2nd extant locality.

24/5. *GYMNOCARPIUM ROBERTIANUM* (Hoffm.) Newman †*96, Easternness: Inshriach, GR 28/87.07. Roadside wall. G. & G. Wheldon & E. L. S. Lindsay, 1988, herb. P. Macpherson, det. P. M. Grown at nearby nursery.

25/1. *POLYPODIUM VULGARE* L. sens. str. *H8, Co. Limerick: North of Hebertstown, GR 11/68.43. Overgrown quarry. Black Rock, Ballyhoura Mountains, GR 11/63.19. Both S. Reynolds, 1987, **DBN**, det. D. M. Synnott. 1st and 2nd records.

29/1a. *OPHIOGLOSSUM VULGATUM* L. subsp. *VULGATUM* 81, Berwicks.: Millknowe Burn, GR 36/67.51. Damp grassland. M. E. Braithwaite, 1988. Only extant locality. 104, N. Ebudes: Below Beinn na Leac, Raasay, GR 18/59.37. E. Charter, 1984, **herb. C.W. Murray**. 1st Raasay record.

†43/2. *ANEMONE RANUNCULOIDES* L. *6, N. Somerset: Alford, GR 31/60.32. Riverside woodland. R. G. B. & I. G. Roe, 1988. *69, Westmorland: East of Mabbin Hall, GR 34/50.84. Wood. C. E. Wild, 1987.

46/15. *RANUNCULUS SCCELERATUS* L. *98, Main Argyll: Lochgoilhead rubbish dump, GR 27/19.03. Wet ground. B. H. Thompson, 1988.

46/17. *RANUNCULUS OMIOPHYLLUS* Ten. *H8, Co. Limerick: South-east of Broadford, GR 11/32.19. Roadside ditch. S. Reynolds, 1987, **DBN**.

46/23. *RANUNCULUS BAUDOTII* Godr. *47, Monts.: Dovey Junction, GR 22/69.98. Saltmarsh pools. M. Wainwright, 1987, **NMW**.

58/3. *PAPAVER LECOQII* Lamotte 42, Brecks.: Brecon, GR 32/03.28. River-bank. M. Porter, 1987. 2nd record, 1st since 1930.

†65/1. *CORYDALIS SOLIDA* (L.) Swartz 73, Kirkcudbrights.: R. Cluden near Newbridge, GR 25/94.79. Woodland bank. O. M. Stewart, 1988. 2nd record.

†65/2. *CORYDALIS BULBOSA* (L.) DC. *68, Cheviot: Dunstan, GR 46/24.19. Woodland. M. E. Craster, 1987, **herb. G.A. Swan**.

66/7. *FUMARIA DENSIFLORA* DC. *13, W. Sussex: Brighton, GR 51/31.05. Waste ground. A. Spiers, 1987.

†68/1. *ERUCASTRUM GALICUM* (Willd.) O. E. Schulz 44, Carms.: A48 south of Cross Hands, GR 22/56.11. Roadside verge. A. M. Pell, 1985, **NMW**, det. R. G. Ellis. 2nd record.

†71/1. *HIRSCHFELDIA INCANA* (L.) Lagrèze-Fossat *38, Warks.: Coventry, GR 42/33.79. Waste ground. D. Porter, 1988, **WAR**, det. T. C. G. Rich. *46, Cards.: Eglwys-fach, GR 22/67.96. Railway embankment. W. M. & P. Condry, 1988, **NMW**, det. A. O. Chater & E. J. Clement. Present for at least 20 years.

†72/1. *DIPLLOTAXIS MURALIS* (L.) DC. 83, Midlothian: Leith Docks, GR 36/27.76. Waste ground. D. R. McKean, 1988. 2nd confirmed record.

80/1. *CORONOPUS SQUAMATUS* (Forskål) Ascherson 93, N. Aberdeen: Pitullie, GR 38/95.67. Trampled bare ground. M. Innes, 1988. 1st post-1930 record.

†80/2. *CORONOPUS DIDYMUS* (L.) Sm. 50, Denbs.: Penley, GR 33/41.42. Farm lane. J. A. Green, 1988. 2nd record.

84/1. *THLASPI ARVENSE* L. 42, Brecks.: Brecon, GR 32/03.28. River-bank. M. Porter, 1987. 2nd record, 1st since 1930.

†86/2. *CAPSELLA RUBELLA* Reuter *14, E. Sussex: Preston Park, Brighton, GR 51/30.06. Base of wall. P. Harmes, 1987, det. A. C. Leslie.

88/4. *COCHLEARIA SCOTICA* Druce 93, N. Aberdeen: Perthudden, GR 48/03.28. Dry coastal grassland. D. Welch, 1986, **herb. D.W.**, det. D. H. Dalby. 1st post-1930 record.

†92/1. *LOBULARIA MARITIMA* (L.) Desv. *42, Brecks.: Brecon, GR 32/03.28. River shingle. M. Porter, 1987.

- 94/4. *DRABA MURALIS* L. †12, N. Hants.: Ashford Chase, GR 41/74.26. Old wall. J. Fryer, 1988, **herb. Lady A. Brewis**. 2nd record. †33, E. Gloucs.: Withington, GR 32/03.15. Drive built on disused railway. R. J. Cooper, 1987. 2nd record.
- 97/2. *CARDAMINE AMARA* L. 43, Rads.: Church House Farm, GR 32/24.50. Wet flush. D. E. Grey, 1987. 2nd record.
- 97/3. *CARDAMINE IMPATIENS* L. †*44, Carms.: Gellideg, GR 22/42.10. Garden. T. S. Crosby, 1987.
- †97/7. *CARDAMINE RAPHANIFOLIA* Pourret *2, E. Cornwall: Valley of R. Allen near Penvose Farm, GR 20/05.77. River-bank. B. Mollard, 1988. *73, Kirkcudbrights.: Forest Walk, Fleet Forest, GR 25/60.55. Streamsides in wood. R. W. M. Corner, 1988. *79, Selkirks.: R. Ettrick, Howden, GR 36/44.27. Riverside. A. J. Smith, 1988, **herb. R.W.M. Corner**. *80, Roxburghs.: R. Ettrick, Lindean, GR 36/47.31. Backwater of river. R. W. M. Corner, 1988, **herb. R.W.M.C.**
- 98/2. *BARBAREA STRICTA* Andrz. †*77, Lanarks.: Yorkhill, GR 26/55.66. Waste ground by river. P. Macpherson, 1986, **herb. P.M.**, det. T. C. G. Rich. 1st established locality.
- †98/3. *BARBAREA INTERMEDIA* Boreau 2, E. Cornwall: Tideford, GR 20/34.58. Hedgebank. S. C. Madge, 1988. 2nd record. *67, S. Northumb.: Near Netherton Park, GR 45/21.80. Roadside verge. G. A. Swan, 1988, **herb. G.A.S.**, det. T. C. G. Rich. 1st localized record. 98, Main Argyll: Inverliever Nursery, GR 17/89.05. Side of path. B. H. Thompson, 1988, **herb. B.H.T.**, det. T. C. G. Rich. 2nd record. *H8, Co. Limerick: South-east of Bradford, GR 11/33.18. S. Reynolds, 1987, **DBN**, det. T. C. G. Rich.
- †98/4. *BARBAREA VERNA* (Miller) Ascherson 33, E. Gloucs.: St James's Station, Cheltenham, GR 32/94.22. Waste ground. H. J. Butcher, 1988, det. T. C. G. Rich. 2nd record. 47, Monts.: Llanfair Caereinion, GR 33/10.06. Disturbed roadside bank. M. Wainwright, 1988, det. T. C. G. Rich.
- †100/3. *ARABIS CAUCASICA* Schlecht. 50, Denbs.: Froncysyllte, GR 33/26.40. Old quarry face. G. Emery, 1988. 2nd record.
- 102/5 × 3. *RORIPPA AMPHIBIA* (L.) Besser × *R. SYLVESTRIS* (L.) Besser *38, Warks.: Leamington Spa, GR 42/32.65. Damp field-side. J. C. Bowra, 1988, **WAR**, det. T. C. G. Rich.
- †102/6. *RORIPPA AUSTRIACA* (Crantz) Besser *11, S. Hants.: Fleetend, GR 41/50.05. Disused gravel pit. R. P. Bowman, 1988, **herb. R.P.B.**, det. T. C. G. Rich. Chilling, GR 41/50.04. Disused gravel pit. R. P. Bowman, 1988, **herb. R.P.B.** 1st and 2nd records.
- †105/1. *ERYSIMUM CHEIRANTHOIDES* L. H39, Co. Antrim: Near Lough Neagh, GR 33/10.80. Waste ground. S. Beesley, 1987. 1st post-1930 record.
- †112/3. *RESEDA ALBA* L. *50, Denbs.: Cefn y bedd, GR 33/31.55. Open-cast mine waste. B. Formstone, 1987.
- 113/4 × 6. *VIOLA RIVINIANA* Reichenb. × *V. CANINA* L. *69, Westmorland: Firbank, GR 34/63.93. Riverside rocks. R. W. M. Corner, 1988, **LANC**, det. D. M. Moore.
- 113/7. *VIOLA LACTEA* Sm. 46, Cards.: Pennant, GR 22/49.63. *Molinia* pasture. A. O. Chater & A. P. Fowles, 1988, **NMW**. Only extant locality.
- 113/9b. *VIOLA PALUSTRIS* L. subsp. *JURESSI* (Link ex K. Wein) Coutinho *47, Monts.: Troed-yr-esgair, GR 23/7.1. *Salix* carr. P. M. Benoit, 1988, **NMW**.
- †115/2. *HYPERICUM* × *INODORUM* Miller *99, Dunbarton: St Bernard's Weir, Helensburgh, GR 26/30.83. Woodland. A. Rutherford, 1977. Abundantly naturalized.
- 115/9. *HYPERICUM HUMIFUSUM* L. 104, N. Ebudes: Armadale Castle, GR 18/63.04. D. MacInnes, 1984, **herb. C.W. Murray**. 1st localized Skye record.
- †115/for. *HYPERICUM* × *FORRESTII* (Chittenden) N. K. B. Robson *69, Westmorland: Whitbarrow, GR 34/85.45. Limestone debris. G. Halliday, 1988, **LANC**, det. N. K. B. Robson.

- 122/1. ELATINE HEXANDRA (Lapierre) DC. *47, Monts.: Llyn Du, GR 32/00.96. I. C. Trueman *et al.*, 1984.
- 123/3. SILENE GALLICA L. †40, Salop: Oswestry, GR 33/30.28. Roadside verge. M. Wainwright, 1987, det. C. A. Sinker. 2nd confirmed record.
- †124/cor. LYCHNIS CORONARIA (L.) Desr. *70, Cumberland: Rockcliffe, GR 35/35.61. Scrub on riverside cliff. R. E. Groom, 1979, still present in 1987, LANC.
- †130/2. PETRORHAGIA SAXIFRAGA (L.) Link *6, N. Somerset: Huish Episcopi, GR 31/42.27. Railway bank. D. Maxwell, 1988.
- 131/2. CERASTIUM ARVENSE L. *99, Dunbarton: A82 between Duntocher and Drumchapel, GR 26/50.71. Roadside verge. A. McG. Stirling, 1988, GL.
- †131/3. CERASTIUM TOMENTOSUM L. *35, Mons.: Sudbrook, GR 31/4.9. Riverside cliff-top. T. G. Evans, 1972, still present in 1985.
- 133/3. STELLARIA PALLIDA (Dumort.) Piré *80, Roxburghs.: Troney Hill, GR 36/57.23. Grassland over shallow soil. R. W. M. Corner, 1988, herb. R.W.M.C.
- 136/3. SAGINA MARITIMA L. *47, Monts.: Mouth of Afon Llyfnant, GR 22/69.97. Upper saltmarsh. P. M. Benoit, 1987, NMW.
- †141/6. ARENARIA BALEARICA L. *50, Denbs.: Glan Conway, GR 23/80.76. Rock by laneside. E. Chicken, 1988.
- 143/1. SPERGULARIA RUBRA Lebel ex Le Jolis 103, Mid Ebudes: North of Shiaba, GR 17/4.2. Forestry road. I. C. Christie, 1988, det. A. McG. Stirling. 1st confirmed Mull record.
- 149/1a. MONTIA FONTANA L. subsp. FONTANA *4, N. Devon: Twitchen, GR 21/79.32. Bog. W. H. Tucker, 1987, det. S. M. Walters.
- 149/1b. MONTIA FONTANA L. subsp. CHONDROSPERMA (Fenzl) Walters *81, Berwicks.: Hume Craigs, GR 36/69.41. Basaltic crag. M. E. & P. F. Braithwaite, 1988, herb. M.E.B., det. R. W. M. Corner.
- 149/1d. MONTIA FONTANA L. subsp. VARIABILIS Walters 81, Berwicks.: Blackadder Water near Halliburton, GR 36/68.47. Damp sandy track. M. E. Braithwaite, 1988, herb. M.E.B. 2nd record.
- 154/14. CHENOPODIUM RUBRUM L. 73, Kirkcudbrights.: Kirkmabreck quarry quay, GR 25/47.56. Shore. O. M. Stewart, 1988. 2nd record.
- 156/1. ATRIPLEX LITTORALIS L. 2, E. Cornwall: Lower Anderton, Millbrook, GR 20/44.52. Beach. R. Gould, 1988. 2nd extant locality.
- 156/lon. ATRIPLEX LONGIPES Drejer *5, S. Somerset: Wall Common, GR 31/26.45. Saltmarsh. Lady R. FitzGerald, 1988, NCCH, det. J. R. Akeroyd.
- 162/2. TILIA CORDATA Miller *12, N. Hants.: Little Hanger, Bradshott, GR 41/76.30. Coppiced stand in woodland. W. A. Sanderson, 1985.
- †166/2. LINUM USITATISSIMUM L. 50, Denbs.: Ruabon, GR 33/30.43. Roadside verge. T. M. Bell & M. Rogers, 1988. Ruabon, GR 33/29.43. Roadside verge. G. A. Spencer, 1988. 1st and 2nd post-1930 records.
- †168/8. GERANIUM MACRORRHIZUM L. *6, N. Somerset: Trudoxhill, GR 31/75.42. Roadside. R. G. B. & I. G. Roe, 1976, still present in 1988.
- †168/ibi. × pla. GERANIUM IBIRICUM Cav. × G. PLATYPETALUM Fischer & C. A. Meyer *69, Westmorland: Ashfell, GR 35/75.04. Edge of quarry. J. Frankland, 1987, herb. J.F. *70, Cumberland: Halfwaywell, GR 35/53.35. Roadside verge. R. W. M. Corner, 1987, LANC, det. P. F. Yeo.
- 169/3. ERODIUM CICUTARIUM (L.) L'Hér. *104, N. Ebudes: Dunscaith, GR 18/59.12. Short turf. G. Yoxon, 1985. 1st localized record.

†170/exi. *OXALIS EXILIS* A. Cunn. *70, Cumberland: Ralliss, GR 34/15.84. Farmyard. F. & J. Steeden, 1984. Netherhall, GR 35/04.36. Gravel drive. M. Milne, 1986, **LANC**, det. M. F. Watson. 1st and 2nd records.

171/1. *IMPATIENS NOLI-TANGERE* L. †38, Warks.: Berkswell, GR 42/22.79. Marshy area in woodland. M. J. Senior, 1987, **herb. M.J.S.**, det. J. C. Bowra. 1st record since 1888.

185/3. *GENISTA PILOSA* L. *42, Brecks.: Penwyllt, GR 22/86.16. Heath at edge of limestone pavement. R. G. Woods, 1984.

187/3. *ULEX MINOR* Roth *51, Flints.: Twt Hill, GR 33/02.77. Sandy heath. D. J. Tinston, 1988, det. P. M. Benoit.

†191/3. *MELILOTUS ALBA* Medicus *93, N. Aberdeen: Newburgh, GR 38/99.26. Disused gravel pit. D. Welch, 1987, **ABD**.

192/1. *TRIFOLIUM ORNITHOPODIOIDES* L. *26, W. Suffolk: replace entry in *Watsonia* 17: 187 (1988) by: Red Lodge, Freckenham, GR 52/69.70. Sandy waste ground. D. Dupree, 1953, **CGE**, det. D. E. Coombe.

†192/7. *TRIFOLIUM INCARNATUM* L. subsp. *INCARNATUM* *46, Cards.: Llanaeron, GR 22/48.59. Weedy turnip field. A. O. Chater, 1987.

†193/1car. *ANTHYLLIS VULNERARIA* L. subsp. *CARPATICA* (Pant.) Nyman var. *PSEUDO-VULNERARIA* (Sag.) Cullen *39, Staffs.: Weston Coyney, GR 33/93.44. Roadside verge. I. W. Brown, 1987, det. J. R. Akeroyd.

†198/1. *ROBINIA PSEUDACACIA* L. *70, Cumberland: Nunnery, Kirkoswald, GR 35/52.42. R. W. M. Corner, 1987, **LANC**.

200/3. *ASTRAGALUS GLYCYPHYLLOS* L. †83, Midlothian: Lochend, Edinburgh, GR 36/27.74. Old railway track. D. R. McKean & M. Staples, 1988, **E**. Only extant locality.

202/1. *ORNITHOPUS PERPUSILLUS* L. *79, Selkirk.: Above Shaws Under Loch, GR 26/39.18. Edge of forestry track. R. W. M. Corner, 1988, **herb. R.W.M.C.**

†203/1. *CORONILLA VARIA* L. *26, W. Suffolk: Broomhouse Covert, Wangford, GR 52/75.82. Conifer plantation. M. G. Rutterford & P. J. O. Trist, 1988. *49, Caerns.: Tyn-y-groes, GR 23/77.70. Edge of woodland. R. Lewis, 1987. 2nd record.

206/2. *VICIA TETRASPERMA* (L.) Schreber †*77, Lanarks.: Laigh Mains, GR 26/63.56. Rocky, wet area. P. Macpherson, 1987, **herb. P.M.** 1st established locality.

207/2. *LATHYRUS NISSOLIA* L. †*77, Lanarks.: Laigh Mains, GR 26/63.56. Grassy banks. P. Macpherson, 1988, **herb. P.M.** 1st established locality.

207/6. *LATHYRUS SYLVESTRIS* L. *50, Denbs.: Brynhovah Farm, GR 33/38.43. Bank of R. Dee. J. A. Green, 1987, **NMW**. 2nd post-1930 record.

207/9. *LATHYRUS PALUSTRIS* L. *49, Caerns.: Tyn-y-groes, GR 23/77.70. Amongst *Phragmites* on bank of drainage channel. R. Lewis, 1987, **NMW**, det. R. G. Ellis. 2nd record, 1st this century.

†207/gra. *LATHYRUS GRANDIFLORUS* Sibth. & Sm. *39, Staffs.: Fenton, GR 33/90.44. Waste ground. I. J. Hopkins, 1987. 2nd record. *77, Lanarks.: Ibrox, GR 26/55.64. Wood near old railway line. P. Macpherson, 1985, **herb. P.M.** 1st established locality. *99, Dunbarton: Colgrain Farm, GR 26/32.79. Roadside hedge. R. R. Mill, 1967, still present in 1986. Huge colony.

†*ARUNCUS DIOICUS* (Walter) Fernald *73, Kirkcudbrights.: North of Minigaff, GR 25/41.67. Riverside. O. M. Stewart, 1984.

211/2. *RUBUS SAXATILIS* L. *43, Rads.: Dol-berthog, Llandrindod Wells, GR 32/16.39. Cliff by R. Ithon. R. G. Woods, 1987. 2nd record.

†211/8. *RUBUS SPECTABILIS* Pursh *50, Denbs.: Llangollen, GR 33/19.43. Edge of canal. G. Spencer, 1988, det. A. Newton. 2nd Welsh record.

- †211/10. *RUBUS LOGANOBACCUS* L. H. Bailey *44, Carms.: The Esplanade, Carmarthen, GR 22/41.20. Derelict ground. B.S.B.I. meeting, 1987, NMW, det. A. Newton. 1st Welsh record.
- 211/11/2. *RUBUS SCISSUS* W. C. R. Watson *75, Aysr.: Between Sorn and Muirkirk, GR 26/57.26. Rough pasture. A. McG. Stirling & A. Newton, 1987.
- 211/11/7. *RUBUS FISSUS* Lindley *75, Aysr.: Sornhill, GR 26/51.34. Roadside. A. McG. Stirling & A. Newton, 1987.
- 211/11/77. *RUBUS AMPLIFICATUS* Lees *42, BreCs.: Llangoed, GR 32/11.40. Bank at edge of wood. M. Porter, 1982, **herb. M.P.**, det. A. Newton. *44, Carms.: Devanah Farm, Llangadog, GR 22/68.26. Laneside hedge. B.S.B.I. meeting, 1987, NMW, det. A. Newton.
- 211/11/123. *RUBUS CARDIOPHYLLUS* P. J. Mueller & Lefèvre *44, Carms.: Marros Mountain, GR 22/20.08. Heath. B.S.B.I. meeting, 1987, NMW, det. A. Newton.
- 211/11/133. *RUBUS ROSSENSIS* A. Newton *44, Carms.: Yet Wen, Whitland, GR 22/19.13. Roadside hedgerow. B.S.B.I. meeting, 1987, NMW, det. A. Newton.
- †211/11/139. *RUBUS PROCERUS* P. J. Mueller 'Himalayan Giant' *44, Carms.: Glanamman, GR 22/69.13. Wall. B.S.B.I. meeting, 1987, NMW, det. A. Newton.
- 211/11/183. *RUBUS DREJERI* Jensen *77, Lanarks.: Forth & Clyde Canal north-east of Cadder, GR 26/61.72. Canal bank. G. H. Ballantyne *et al.*, 1982, **herb. P. Macpherson**, det. A. Newton.
- 211/11/212. *RUBUS ECHINATUS* Lindley *42, BreCs.: Priors Groves, Brecon, GR 32/04.29. Woodland glade. M. Porter, 1978, **herb. M.P.**, det. A. Newton.
- 211/11/221. *RUBUS MICANS* Gren. & Godron *44, Carms.: Pantcae Melyn, Gorslas, GR 22/57.14. Hedgerows. B.S.B.I. meeting, 1987, NMW, det. A. Newton.
- 211/11/253. *RUBUS INSECTIFOLIUS* P. J. Mueller & Lefèvre *44, Carms.: Marros Mountain, GR 22/20.08. Dry heath. B.S.B.I. meeting, 1987, NMW, det. A. Newton.
- 211/11/263. *RUBUS SCABER* Weihe & Nees *44, Carms.: Trevaughan Wood, GR 22/39.20. Woodland margin. B.S.B.I. meeting, 1987, NMW, det. A. Newton.
- 211/11/284. *RUBUS RUFESCENS* P. J. Mueller & Lefèvre *44, Carms.: Llandingat Without, GR 22/77.32. Forestry track. A. D. Marshall & G. Hutchinson, 1986, NMW, det. A. Newton.
- 211/11/fle. *RUBUS FLEXUOSUS* P. J. Mueller & Lefèvre *44, Carms.: Glyn yr Henllan, GR 22/59.15. Wet roadside. B.S.B.I. meeting, 1987, NMW, det. A. Newton.
- 221/11/moy. *RUBUS MOYLEI* Barton & Riddelsd. *44, Carms.: Dolaucothi, GR 22/66.40. Rocky roadside. B.S.B.I. meeting, 1987, NMW, det. A. Newton.
- 211/11/vil. *RUBUS VILICAULIFORMIS* A. Newton *42, BreCs.: Llangammarch Wells, GR 22/88.44. Lane-bank. M. Porter, 1978, **herb. M.P.**, det. A. Newton. *44, Carms.: Marros Mountain, GR 22/20.08. Dry heath. B.S.B.I. meeting, 1987, NMW, det. A. Newton. 1st and 2nd Welsh records.
- †212/7. *POTENTILLA RECTA* L. 35, Mons.: Cwmsyflog, GR 32/1.0. Landscaped coal tip. T. G. & U. T. Evans, 1988. 2nd record.
- †212/9. *POTENTILLA INTERMEDIA* L. *93, N. Aberdeen: Turriff, GR 38/71.50. Disused railway yard. D. Welch, 1988, **ABD**.
- 212/13 str. *POTENTILLA ERECTA* (L.) Rauschel subsp. *STRICTISSIMA* (Zimm.) A. J. Richards *99, Dunbarton: Cove, Gare Loch, GR 26/2.8. Rocky shore. A. McG. Stirling, 1979. Faslane, Gare Loch, GR 26/2.8. Shingle shore. A. McG. Stirling & A. Rutherford, 1982. Both **E**, det. T. C. G. Rich. 1st and 2nd records.
- 220/3/2. *ALCHEMILLA FILICAULIS* Buser subsp. *VESTITA* (Buser) M. E. Bradshaw *45, Pemsb.: Cwm Rhigian, west of Newport, GR 22/03.39. Flushed grassland. S. B. Evans & E. Gwynn, 1987.

- 220/3/9. *ALCHEMILLA GLOMERULANS* Buser 79, Selkirks.: South side of R. Ettrick near Tushielaw, GR 36/30.16. Hayfield. R. W. M. Corner, 1988, CGE, det. S. M. Walters. 2nd record.
- †220/3/12. *ALCHEMILLA MOLLIS* (Buser) Rothm. *42, Brecons.: Brecon, GR 32/05.27. Mud dredged from canal. M. Porter, 1987.
- †224/ova. *ACAENA OVALIFOLIA* Ruiz & Pavón *5, S. Somerset: West Porlock, GR 21/86.47. Woodland. K. Jessup, 1981, det. A. C. Leslie.
- 225/1 × 10. *ROSA ARVENSIS* Hudson × *R. OBTUSIFOLIA* Desv. *42, Brecons.: Cwm Llwhch, GR 32/01.26. Hedge. M. Porter, 1987, **herb. M.P.**, det. G. G. Graham. 1st Welsh record.
- †225/3. *ROSA MULTIFLORA* Thunb. *73, Kirkcudbrights.: Calgow, GR 25/42.65. Hedge. O. M. Stewart, 1987. Between Kirkbride and Hollanbank, GR 25/48.55. Hedge. O. M. Stewart, 1988, E. 1st and 2nd records.
- †225/5. *ROSA RUGOSA* Thunb. *51, Flints.: Gronant, GR 33/0.8. Well naturalized behind sand dunes. G. Wynne, 1983.
- 225/8 × 7. *ROSA CANINA* L. × *R. STYLOSA* Desv. *7, N. Wilts.: Ravensroost Wood, GR 41/02.88. Woodland edge. D. Green, 1987, **herb. D.G.**, det. G. G. Graham.
- 225/8 × 11. *ROSA CANINA* L. × *R. TOMENTOSA* Sm. *7, N. Wilts.: Hartham Park, GR 31/85.71. Downland. D. Green, 1987, **herb. D.G.**, det. G. G. Graham.
- 225/8 × cae. *ROSA CANINA* L. × *R. CAESIA* Sm. *99, Dunbarton: Ardmore Point, Helensburgh, GR 26/3.7. Hedge. A. McG. Stirling, 1978, det. G. G. Graham.
- 225/12. *ROSA SHERARDII* Davies *99, Dunbarton: Ardmore Point, Helensburgh, GR 26/3.7. Scrub. A. McG. Stirling, 1978, det. G. G. Graham as var. *woodsiana* (Groves & J. Groves) Wolley-Dod.
- 225/12 × afz. *ROSA SHERARDII* Davies × *R. AFZELIANA* Fries *99, Dunbarton: Kilpatrick Braes, GR 26/4.7. Hedge. A. McG. Stirling, 1978, det. G. G. Graham.
- 225/15 × afz. *ROSA MICRANTHA* Borrer ex Sm. × *R. AFZELIANA* Fries *42, Brecons.: Cwm Clydach, GR 32/21.12. Scrub on limestone. M. Porter, 1987, **herb. M.P.**, det. G. G. Graham. 1st Welsh record.
- 225/afz. *ROSA AFZELIANA* Fries *99, Dunbarton: Ardmore Point, Helensburgh, GR 26/3.7. Scrub. A. McG. Stirling, 1978, det. G. G. Graham as var. *glaucophylla* (Winch) Wolley-Dod.
- 225/cae. *ROSA CAESIA* Sm. *99, Dunbarton: Old Kilpatrick, GR 26/4.7. Scrub. A. McG. Stirling, 1978, det. G. G. Graham.
- 225/dum. *ROSA DUMETORUM* Thuill. *99, Dunbarton: Clyde-side near Old Kilpatrick, GR 26/4.7. Scrub. A. McG. Stirling, 1978, det. G. G. Graham as forma *semiglabra* (Rip. ex Déségl.) Wolley-Dod.
- 226/1 × †2. *PRUNUS SPINOSA* L. × *P. DOMESTICA* L. *64, Mid-W. Yorks.: Threshfield, GR 34/98.64. Woodland on limestone pavement. P. P. Abbott, 1988, det. A. C. Leslie.
- †226/2b. *PRUNUS DOMESTICA* L. subsp. *INSITITIA* (L.) C. K. Schneider *99, Dunbarton: Duntocher, GR 26/51.72. Trackside. A. McG. Stirling, 1979.
- †226/5. *PRUNUS CERASUS* L. 39, Staffs.: Kinver Edge, GR 32/83.83. Rough grassland. W. A. Thompson, 1974. 1st post-1930 record.
- †226/7. *PRUNUS LAUROCERASUS* L. *77, Lanarks.: Blackwood, GR 26/79.43. Waste ground. P. Macpherson & E. L. S. Lindsay, 1988.
- †227/3. *COTONEASTER HORIZONTALIS* Decne *42, Brecons.: Brecon, GR 32/05.27. Bank of disused railway. M. Porter, 1987.

- †227/4. *COTONEASTER MICROPHYLLUS* Wallich ex Lindley *11, S. Hants.: Butts Lawn, Brockenhurst, GR 41/29.03. Bank of drainage ditch on heath. P. V. J. Barker & R. P. Bowman, 1988, **herb. R.P.B.**, det. J. Fryer.
- †227/5 × sal. *COTONEASTER FRIGIDUS* Wallich ex Lindley × *C. SALICIFOLIUS* Franch. *69, Westmorland: Grubbins Wood, Arnside, GR 34/44.78. M. Baecker, 1977, det. J. Fryer.
- †227/acu. *COTONEASTER ACUTIFOLIUS* Turcz. *69, Westmorland: Red Hills Wood, Arnside, GR 34/45.78. M. Baecker, 1983, det. J. Fryer.
- †227/aff. *COTONEASTER AFFINIS* Lindley *11, S. Hants.: Hurn Forest, GR 41/10.01. Edge of ride in conifer plantation. R. P. Bowman & R. M. Walls, 1985, **herb. R.P.B.**, det. A. L. Grenfell.
- †227/bul. *COTONEASTER BULLATUS* Boiss. *69, Westmorland: Grubbins Wood, Arnside, GR 34/44.78. M. Baecker, 1977, det. J. Fryer.
- †227/cong. *COTONEASTER CONGESTUS* Baker *11, S. Hants.: Mogshade Hill, GR 41/23.09. Roadside bank. R. P. Bowman, 1988, **herb. R.P.B.**, det. J. Fryer.
- †227/cons. *COTONEASTER CONSPICUUS* Marquand *17, Surrey: Chertsey, GR 41/9.6. Roadside verge. J. F. Leslie, K. Page & J. E. Smith, 1988.
- †227/fra. *COTONEASTER FRANCHETII* Boiss. *69, Westmorland: Arnside, GR 34/45.79. Railway embankment. M. Baecker, 1977. South-east of Dalton-in-Furness, GR 34/23.74. Limestone wall. P. Burton, 1987, **LANC.** 1st and 2nd records, both det. J. Fryer. *99, Dunbarton: Helensburgh, GR 26/29.82. Rough ground. A. Rutherford, 1978, det. C. D. Brickell.
- †227/ste. *COTONEASTER STERNIANUS* (Turrill) Boom *69, Westmorland: Grubbins Wood, Arnside, GR 34/44.78. M. Baecker, 1977, det. J. Fryer.
- 229/1. *CRATAEGUS LAEVIGATA* (Poiret) DC. *46, Cards.: Allt Pantybeudy, Llangeitho, GR 22/63.61. Oakwood. G. Saunders, 1988. *47, Monts.: Afon Garno Bridge near Caersws, GR 32/02.91. Roadside hedge. M. Wainwright, 1988, det. I. C. Trueman. B4393 road near Pont Ysgadan, GR 33/08.17. Wooded roadside. M. Wainwright, 1988, det. P. M. Benoit. 1st and 2nd records.
- 229/1 × 2. *CRATAEGUS LAEVIGATA* (Poiret) DC. × *C. MONOGYNA* Jacq. *6, N. Somerset: Weston-super-Mare, GR 31/34.61. Hedge. R. S. Cropper, 1987.
- 232/5/7. *SORBUS RUPICOLA* (Syme) Hedl. *67, S. Northumb.: R. South Tyne, south of Williamston Bridge, GR 35/68.51. River-bank. A. J. Richards, 1988, **herb. G.A. Swan**, det. P. J. M. Nethercott.
- 235/1. *SEDUM ROSEA* (L.) Scop. *78, Peebles.: Talla Craig, GR 36/15.18. Rocky cliffs. E.H. & D.J. McCosh, 1988.
- †235/3. *SEDUM SPURIUM* Bieb. *80, Roxburghs.: North of Bedrule, GR 36/60.19. Edge of roadside woodland. R. W. M. Corner, 1988, **herb. R.W.M.C.**
- †237/hel. *CRASSULA HELMSII* (T. Kirk) Cockayne *27, E. Norfolk: Whitlingham, GR 63/26.08. Ditch. E. T. Daniels, 1988. 34, W. Gloucs.: Jugshole Pool, east of Coleford, GR 32/58.10. Edge of acidic pool. S. C. Holland, 1988. 2nd record. *42, Brecks.: Talgarth, GR 32/15.33. Garden pond. R. G. Woods, 1986. *44, Carms.: Wern Fendigaid, GR 22/63.45. Pond. I. K. Morgan, 1987. 59, S. Lancs.: Near Pinfold Cottages, Ainsdale, GR 34/30.11. Large pond. V. Gordon, 1988. 2nd record. *69, Westmorland: Dawres House, Bampton Grange, GR 35/5.1. Pond. D. M. McClintock, 1986. *70, Cumberland: Silecroft, GR 34/12.80. Small pond. R. Jerrams, 1988. *H38, Co. Down: Glastry Clay Pits, GR 33/63.63. R. Weyl, 1985.
- 239/14. *SAXIFRAGA ROSACEA* Moench †*6, N. Somerset: Windsor Hill, GR 31/61.45. Disused railway track. N. Vaughan-Davies, 1983, det. D. A. Webb.
- †240/1. *TELLIMA GRANDIFLORA* (Pursh) Douglas ex Lindley *80, Roxburghs.: Overhall, GR 36/48.14. Roadside woodland. R. W. M. Corner, 1986, **herb. R.W.M.C.**

†241/1. *TOLMIEA MENZIESII* (Pursh) Torrey & A. Gray *46, Cards.: Afon Mydyr N.N.E. of Felin Rhiwbren, GR 22/47.57. Stream-bank in wood. A. O. & M. Chater, 1988, **NMW**.

†*ASTILBE RIVULARIS* Buch.-Ham. ex D. Don *101, Kintyre: Near Meall Mhor house, GR 16/86.74. Ravine and sides of forest road. A. G. Kenneth, 1987, det. J. M. Mullin.

†*DARMEIRA PELTATA* (Torrey) Voss *70, Cumberland: R. Eden, Nunnery Walks, Staffield, GR 35/52.43. Riverside. R. W. M. Corner, 1987, **LANC**.

246/3. *RIBES NIGRUM* L. †*99, Dunbarton: Kilmardinny Loch, Bearsden, GR 26/54.73. Damp shore of loch. A. McG. Stirling, 1979.

247/1 × 2. *DROSERA ANGLICA* Hudson × *D. ROTUNDFOLIA* L. *73, Kirkcudbrights.: Silver Flowe, GR 25/47.83. Bog. O. M. Stewart, 1988, **E**.

247/3. *DROSERA INTERMEDIA* Hayne *42, Brecs.: Onllwyn, GR 22/82.11. Blanket bog. R. G. Woods, 1984. Site destroyed, 1985. Gorsllwyn near Coelbren, GR 22/85.11. Bog. R. G. Woods, 1987. 1st and 2nd records.

251/2. *DAPHNE LAUREOLA* L. *42, Brecs.: Cantref, GR 32/05.25. Deciduous wood. M. Porter, 1987. †*73, Kirkcudbrights.: Near New Bridge, GR 25/94.79. Wood. O. M. Stewart, 1988. Only extant locality.

254/†6 × 9. *EPILOBIUM CILIATUM* Raf. × *E. OBSCURUM* Schreber *73, Kirkcudbrights.: Burnfoot, GR 25/74.44. Waste ground. O. M. Stewart, 1986.

†256/nov. *OENOTHERA NOVAE-SCOTIAE* Gates *70, Cumberland: Silloth, GR 35/10.53. Docks. A. Cannell, 1986, **LANC**, det. J. C. Bowra.

†259/aqu. *MYRIOPHYLLUM AQUATICUM* (Velloso) Verdcourt *45, Pembs.: Porthiddy, Aberiddy, GR 12/80.30. Irrigation reservoir. J. W. Donovan, 1983. Still present in 1986.

262/2. *CALLITRICHE PLATYCARPA* Kütz. *73, Kirkcudbrights.: R. Tarff, High Bridge of Tarff, GR 25/68.56. N. F. Stewart, 1988. 2nd record.

262/4. *CALLITRICHE HAMULATA* Kütz. ex Koch *83, Midlothian: Threipmuir Reservoir, GR 36/16.63. S. Hendry, 1988, **E**, det. D. R. McKean. 2nd extant locality.

†271/1. *ASTRANTIA MAJOR* L. *79, Selkirks.: R. Etrick below Annelshope, GR 36/30.16. Riverbank. R. W. M. Corner, 1988, **herb. R.W.M.C.** 1st post-1930 record.

†280/1. *SMYRNIUM OLUSATRUM* L. *7, N. Wilts.: Lockeridge, GR 41/15.67. J. Oliver, 1987. 1st record since 1896.

285/4. *APIUM INUNDATUM* (L.) Reichenb. fil. *104, N. Ebudes: An t-Oban, Sanday, GR 18/28.04. Mud at edge of artificial lochan. H. J. B. Birks & C. W. Murray, 1984, **herb. C.W.M.**

291/1. *CARUM VERTICILLATUM* (L.) Koch *104, N. Ebudes: West of Sligachan Hotel, GR 18/48.29. Gravel at edge of burn. G. D. Field, 1984, **herb. C.W. Murray**.

294/1. *PIMPINELLA SAXIFRAGA* L. *103, Mid Ebudes: Cornaigbeg, Coll, GR 17/23.62. Roadside grassland. B. Brookes, 1988. 1st Coll record.

300/2. *OENANTHE PIMPINELLOIDES* L. *35, Mons.: Tynewydd, GR 31/2.9. Grassy verge. T. G. Evans, 1985, **NMW**.

300/5. *OENANTHE CROCATATA* L. *111, Orkney: Swanbister Bay, GR 57/36.05. Amongst *Phalaris arundinacea*. C. Turner, 1988.

301/1. *AETHUSA CYNAPIUM* L. *H39, Co. Antrim: Carnlough, GR 34/27.18. Hedgerow, S. Beesley, 1987. Joymount, Carrickfergus, GR 33/41.87. S. Beesley, 1987. Only extant localities.

319/10. *EUPHORBIA PEPLUS* L. *98, Main Argyll: Dunbeg Housing Estate, Oban, GR 17/88.33. Side of footpath. B. H. Thompson, 1988, **herb. B.H.T.**, conf. H. J. Noltie. 1st localized record.

†319/15. *EUPHORBIA ESULA* L. sens. lat. 5, S. Somerset: Hinkley Point, GR 31/19.45. Arable land. R. E. Daniels, 1985. 2nd record.

319/16. *EUPHORBIA CYPARISSIAS* L. †*35, Mons.: Beaufort, GR 32/1.1. Bank of R. Sirhowy. R. Fraser, 1987, herb. T. G. Evans. †70, Cumberland: Wheyrigg, GR 35/18.48. Old lane. M. Porter, 1987, LANC. 1st post-1930 record.

320/1/3. *POLYGONUM RURIVAGUM* Jordan ex Boreau 26, W. Suffolk: Session Heath, Brandon, GR 52/79.84. Forest ride. M. G. Rutterford & P. J. O. Trist, 1988, det. J. R. Akeroyd. 1st confirmed post-1930 record.

320/1/are. *POLYGONUM ARENASTRUM* Boreau *H8, Co. Limerick: Cahir Guillamore, GR 11/60.40. Farm track. South-east of Broadford, GR 11/32.18. Both S. Reynolds, 1987, DBN. 1st and 2nd records.

320/6. *POLYGONUM BISTORTA* L. †103, Mid Ebudes: Farm, Ulva, GR 17/44.39. Roadside waste ground. J. W. Clark, 1988. 1st record since 1879.

†320/7. *POLYGONUM AMPLEXICAULE* D. Don *60, W. Lancs.: St Annes, GR 34/32.29. Sandy waste ground. J. Maudsley, 1962, LTR, det. A. P. Conolly & C. A. Stace.

320/12 × 9. *POLYGONUM HYDROPIPER* L. × *P. PERSICARIA* L. *48, Merioneth: Cynwyd, GR 33/0.4. Marshy edge of pool. P. M. Benoit, 1987, NMW. One plant. 1st Welsh record.

†320/19 × 20. *REYNOUTRIA JAPONICA* Houtt. × *R. SACHALINENSIS* (Friedrich Schmidt Petrop.) Nakai *6, N. Somerset: Rownham, Long Ashton, GR 31/56.72. Sides of towpath. A. C. Leslie, 1987, det. J. Bailey.

†320/22. *POLYGONUM CAMPANULATUM* Hooker fil. 49, Caerns.: Rowen, GR 23/75.71. Rocks in Afon Roe. R. Lewis, 1987, NMW, det. R. G. Ellis. 2nd record.

†320/pen. *POLYGONUM PENNSYLVANICUM* L. *46, Cards.: Mwnt, GR 22/19.52. Arable field. A. O. Chater, 1988, NMW, det. J. R. Akeroyd & D. H. Kent.

325/4. *RUMEX HYDROLAPATHUM* Hudson 73, Kirkcudbrights: Near Dalbeattie, GR 25/82.61. Damp area in field. O. M. Stewart, 1988. 2nd record.

325/8. *RUMEX LONGIFOLIUS* DC. *103, Mid Ebudes: Road between Pennyghael and Carsaig, GR 17/53.23. Roadside verge. A. McG. Stirling & J. W. Clark, 1984, E.

325/8 × 12. *RUMEX LONGIFOLIUS* DC. × *R. OBTUSIFOLIUS* L. *77, Lanarks.: Newbigging, GR 36/02.44. Gravel pit. O. M. Stewart, 1987, herb. P. Macpherson, det. D. H. Kent.

325/18. *RUMEX MARITIMUS* L. *35, Mons.: Tredegar Park, Newport, GR 31/2.8. Disturbed bank of drainage ditch. G. Hutchinson, 1988, NMW.

†325/rug. *RUMEX RUGOSUS* Campd. *25, E. Suffolk: Landguard Common, GR 62/28.32. Roadside shingle. F. W. Simpson, 1988, det. J. R. Akeroyd.

†327/1. *SOLEIROLIA SOLEIROLII* (Req.) Dandy 103, Mid Ebudes: Gometra House, Gometra, GR 17/35.40. Steps of unoccupied house. M. Jones, 1988, E. 1st Mull record.

342/4. *POPULUS NIGRA* L. *49, Caerns.: Tyn-y-Groes, GR 23/77.71. Hedgerow. Between Pontwgan and Llanbedr-y-Cennin, GR 23/76.70. Hedgerow. Both R. Lewis, 1987. 1st and 2nd records.

†342/6. *POPULUS GILEADENSIS* Rouleau *77, Lanarks.: Dalton, GR 26/67.58. Old coal bing. P. Macpherson, 1987, E, det. D. R. McKean.

343/6 × 9. *SALIX PURPUREA* L. × *S. VIMALIS* L. *42, Brecks.: Llanhamlach, GR 32/09.26. River-bank. M. Porter, 1987, det. R. D. Meikle.

343/12a. *SALIX CINEREA* L. subsp. *CINEREA* *42, Brecks.: Near Llandeilo'r-Fan, GR 22/88.39. Margin of upland fen. M. Porter, 1987, det. R. D. Meikle. 1st Welsh record.

343/12b × 15. *SALIX CINEREA* L. subsp. *OLEIFOLIA* Macreight × *S. PHYLICIFOLIA* L. *77, Lanarks.: Glespin Burn, Douglas, GR 26/81.27. Bank of burn. R. C. L. Howitt, 1979, **herb. P. Macpherson**, det. R. D. Meikle.

343/13 × 15. *SALIX AURITA* L. × *S. PHYLICIFOLIA* L. *75, Ayr.: R. Doon, Dalmellington, GR 26/4.0. Damp ground. O. M. Stewart, 1976, **E**, det. R. C. L. Howitt.

343/14. *SALIX MYRSINIFOLIA* Salisb. 73, Kirkcudbrights.: Torrs Moss, GR 25/78.62. Mixed sedge fen. N. F. Stewart, 1988. 2nd record. *93, N. Aberdeen: Cabrach, GR 38/38.26. Rocky river-bank. D. Welch, 1988, **ABD**, det. R. D. Meikle.

343/15. *SALIX PHYLICIFOLIA* L. 81, Berwicks.: Longmuir Moss, GR 36/47.50. Fen. M. E. & P. F. Braithwaite & D. R. McKean, 1988, **herb. M.E.B.** Only extant locality.

343/16b. *SALIX REPENS* L. subsp. *ARGENTEA* (Sm.) G. & A. Camus *42, Brecks.: Cwmgeidd, GR 22/77.11. Moorland. M. Porter, 1973, det. R. D. Meikle.

†345/2. *RHODODENDRON LUTEUM* Sweet *50, Denbs.: Coed Cerrig y Wyallt near Talycafn, GR 23/78.70. Wet ground in wood. R. Lewis, 1988. *99, Dunbarton: Finnart, Loch Long, GR 26/23.93. Roadside verges. M. Mackay, 1971, still present in 1984 as very extensive colonies.

350/1. *ANDROMEDA POLIFOLIA* L. 43, Rads.: North of Drysgol, St. Harmon, GR 22/94.75. Blanket bog. I. D. Soane, 1987. 2nd record.

†351/1. *GAULTHERIA SHALLON* Pursch *41, Glam.: Gnoll House, Neath, GR 21/76.97. Moorland cleared of *Rhododendron*. J. C. Watkins, 1988, **NMW**, det. R. G. Ellis.

357/8. *ERICA VAGANS* L. †50, Denbs.: Rhyd y Foel near Llandulas, GR 23/91.77. Edge of limestone cliff. P. Day, 1988. 2nd record.

358/3. *VACCINIUM ULIGINOSUM* L. *78, Peebles.: Talla Craig, GR 36/15.18. Rock ledge. D. J. & E. H. McCosh, 1988, **herb. D.J. McC.**

358/4. *VACCINIUM OXYCOCCOS* L. 104, N. Ebudes: Lochan Doiragat, GR 18/65.11. On *Sphagnum* at edge of lochan. A. Currie & D. Gilbert, 1988, **herb. C.W. Murray**. 2nd record for Skye.

†367/flo. *PRIMULA FLORINDAE* Ward *81, Berwicks.: Littlecleugh Burn, Redheugh, GR 36/82.70. Burnside flush. M. E. Braithwaite, 1981, det. A. C. Leslie. Still present in 1988.

†370/5. *LYSIMACHIA PUNCTATA* L. 47, Monts.: B4393 near Pont Ysgadan, GR 33/08.17. Wooded roadside. M. Wainwright, 1988, det. P. M. Benoit. 2nd record.

372/4. *ANAGALLIS MINIMA* (L.) E. H. L. Krause 26, W. Suffolk: Roper's Heath, Tuddenham, GR 52/75.72. Hollow. D. E. Coombe, 1988, **CGE**. Only extant locality.

379/1. *VINCA MINOR* L. †*99, Dunbarton: Helenburgh, GR 26/30.83. Steep embankment. R. R. Mill, 1971. Still present in 1983.

†379/2. *VINCA MAJOR* L. 99, Dunbarton: Kilcreggan, GR 26/24.80. Bank above sea. C. Luckwell & M. Thornton, c. 1972. 2nd record.

382/4. *CENTAURIUM ERYTHRAEA* Rafn *96, Easternness: Lower Foyers, GR 28/49.21. Grassland. M. Barron, 1988. 1st localized record.

382/6. *CENTAURIUM LITTORALE* (D. Turner) Gilmour 98, Main Argyll: Island Add Bridge, Bellanoch, GR 16/80.92. Saltmarsh grazings. A. G. Kenneth, 1986, **herb. B.H. Thompson**. 1st post-1930 record.

387/1. *NYMPHOIDES PELTATA* (S. G. Gmelin) Kuntze †*70, Cumberland: Silecroft, GR 34/12.80. Pond. R. Jerrams, 1987. Broughton Moor, GR 35/04.32. Roadside ditch. A. Dudman & C. C. Haworth, 1988, **LANC**. 1st and 2nd records.

388/1. *POLEMONIUM CAERULEUM* L. †73, Kirkcudbrights.: Near Ballochamour Wood, GR 25/48.58. Roadside verge. O. M. Stewart, 1988. 1st post-1930 record.

- †394/1. *TRACHYSTEMON ORIENTALIS* (L.) G. Don *80, Roxburghs.: A68 south of Jedburgh, GR 36/65.19. Roadside. R. W. M. Corner, 1988, **E**, det. D. R. McKean.
- 400/4 × 1. *MYOSOTIS CAESPITOSA* K. F. Schultz × *M. SCORPIOIDES* L. *70, Cumberland: Frizington, GR 35/02.15. Marshy field. C. C. Haworth, 1986, **LANC**, det. P. M. Benoit.
- 400/7. *MYOSOTIS SYLVATICA* Hoffm. †49, Caerns.: Hafoty Gwyn, GR 23/74.70. Waste ground. R. Lewis, 1987, **NMW**. 2nd record, 1st since 1876.
- 400/10. *MYOSOTIS RAMOSISSIMA* Rochel 99, Dunbarton: Between Milton and Dumbuck, GR 26/42.74. Dry bank. A. McG. Stirling & A. Rutherford, 1988, **GL**. 2nd record.
- †*AMSINCKIA MICRANTHA* Sudsk. *13, W. Sussex: West of Coates Common, GR 41/99.17. Maize field. A. G. Knapp, 1988, **BM**, det. J. M. Mullin.
- 402/1. *MERTENSIA MARITIMA* (L.) S. F. Gray 103, Mid Ebudes: Aird Mor Bay, GR 17/99.47. Grassy shore. B. Rae, 1988, confirmed from photograph by J. W. Clark. 1st record from Tیره this century.
- †406/2. *CALYSTEGIA PULCHRA* Brummitt & Heywood 103, Mid Ebudes: Gallanach, GR 17/21.60. Garden wall. J. W. Clark, 1988. 1st Coll record.
- 406/4. *CALYSTEGIA SOLDANELLA* (L.) R.Br. 67, S. Northumb.: North of mouth of Chevington Burn, GR 45/27.98. Sand dune. C. C. E. Douglas, 1988, conf. G. A. Swan. 2nd record.
- †413/3 sch. *SOLANUM NIGRUM* L. subsp. *SCHULTESII* (Opiz) Wessely *26, W. Suffolk: Lakenheath, GR 52/71.81. J. Partridge, 1988.
- †413/4. *SOLANUM SARRACHOIDES* Sendtner *64, Mid-W. Yorks.: Thorpe Willoughby, GR 44/58.30. Arable field. P. P. Abbott & M. Bradbrook, 1988.
- †416/3. *VERBASCUM PHLOMOIDES* L. *77, Lanarks.: Bellahouston, GR 26/55.63. P. Macpherson, 1987, **herb. P.M.**, det. A. C. Leslie.
- 420/3 × 4. *LINARIA REPENS* (L.) Miller × *L. VULGARIS* Miller *83, Midlothian: Granton Gas Works, Edinburgh, GR 36/22.76. Railway track. D. R. McKean & S. Hendry, 1988, **E**.
- 422/1. *KICKXIA SPURIA* (L.) Dumort. †*43, Rads.: South of Penylan Wood, Clyro, GR 32/20.44. Lay-by. R. G. Woods, 1988.
- †424/5. *SCROPHULARIA VERNALIS* L. *38, Warks.: Walton, GR 42/30.53. Woodland. R. Langdon, 1988, **WAR**, det. P. J. Copson. Walton, GR 42/28.52. Trackside. H. A. Roberts & J. M. Turner, 1988. 1st and 2nd records.
- †425/3. *MIMULUS MOSCHATUS* Douglas ex Lindley 50, Denbs.: Whitewell, GR 33/48.41. Edge of permanent pasture. N.C.C. pond survey, 1979. 2nd localized record.
- †425/1 × cup. *MIMULUS CUPREUS* Regel × *M. GUTTATUS* DC. *64, Mid-W. Yorks.: Conistone, GR 34/98.65. River-bank. P. P. Abbott & T. G. Evans, 1988.
- 426/1. *LIMOSELLA AQUATICA* L. *43, Rads.: Common north of Pen-y-graig Farm, GR 32/10.45. Ephemeral pool. R. G. Woods, 1988. *73, Kirkcudbrights.: Tongland Loch by R. Dee, GR 25/71.57. Mud on draw-down zone. O. M. & N. F. Stewart, 1988, **E**. R. Dee north-east of Tongland, GR 25/70.54. Dried mud by river. O. M. & N. F. Stewart, 1988. 1st and 2nd records.
- 427/1. *SIBTHORPIA EUROPAEA* L. †*103, Mid Ebudes: Gruline Estate, Mull, GR 17/54.39. Pathside in policy wood. A. Walker, 1988, **GL**.
- 430/2 × 3. *VERONICA ANAGALLIS-AQUATICA* L. × *V. CATENATA* Pennell *25, E. Suffolk: R. Alde, Langham Bridge, GR 62/37.58. Damp riverside. J. M. Croft & C. D. Preston, 1988, **CGE**, det. S. M. Walters.
- †430/9. *VERONICA LONGIFOLIA* L. *77, Lanarks.: Ruchill, GR 26/58.68. Grassy area. P. Macpherson, 1988, **herb. P.M.**

- †430/14. *VERONICA PEREGRINA* L. *80, Roxburghs.: Appletreehall House, GR 36/51.17. Driveway. M. E. Braithwaite, 1988, **herb. R.W.M. Corner**.
- 430/20 hed. *VERONICA HEDERIFOLIA* L. subsp. *HEDERIFOLIA* *80, Roxburghs.: Bairnkine, GR 36/65.15. Arable field. M. E. Braithwaite, 1988, **herb. R.W.M. Corner**.
- 435/1/1 × 13. *EUPHRASIA MICRANTHA* Reichenb. × *E. NEMOROSA* (Pers.) Wallr. *42, Brecks.: Pont-ar-hydfwr, GR 22/84.26. Damp heathy pasture. M. Porter, 1981, **herb. M.P.**, det. A. J. Silverside.
- 435/1/13 × 16. *EUPHRASIA NEMOROSA* (Pers.) Wallr. × *E. PSEUDOKERNERI* Pugsley *7, N. Wilts.: Knap Hill, GR 41/12.63. Chalk downland. K. Payne, 1986, det. A. J. Silverside.
- 435/1/14. *EUPHRASIA HESLOP-HARRISONI* Pugsley *103, Mid Ebudes: East of Breachacha Castle, Coll. GR 17/16.54. Upper saltmarsh, on banks of drainage channels. H. J. Noltie, 1987, **E**, det. A. J. Silverside.
- 435/1/15 × 1. *EUPHRASIA CONFUSA* Pugsley × *E. MICRANTHA* Reichenb. *5, S. Somerset: Corner's Gate, Withypoole, GR 21/86.35. Moorland roadside bank. A. J. Silverside, 1982.
- 435/1/16. *EUPHRASIA PSEUDOKERNERI* Pugsley *46, Cards.: Mwdan valley, Penparc, GR 22/20.48. Calcareous flush. A. O. Chater, 1986, NMW, det. P. F. Yeo as f. *elongata* Pugsley.
- 435/1/17. *EUPHRASIA ARCTICA* Lange ex Rostrup subsp. *BOREALIS* (Townsend) Yeo *12, N. Hants.: Winnall Moors N. R., Winchester, GR 41/48.30. Path by stream. R. P. Bowman, 1985, **herb. R.P.B.**, det. A. J. Silverside.
- 435/1/17 × 1. *EUPHRASIA ARCTICA* Lange ex Rostrup × *E. MICRANTHA* Reichenb. *42, Brecks.: Llanafan-fawr, GR 22/94.55. Hay meadow. M. Porter, 1978, **herb. M.P.**, det. A. J. Silverside.
- 435/1/17 × 15. *EUPHRASIA ARCTICA* Lange ex Rostrup × *E. CONFUSA* Pugsley *42, Brecks.: Llangammarch Wells, GR 22/90.44. Hay meadow. M. Porter, 1981, **herb. M.P.**, det. A. J. Silverside. 1st Welsh record.
- 435/1/17 × 19. *EUPHRASIA ARCTICA* Lange ex Rostrup × *E. ROSTKOVIANA* Hayne *42, Brecks.: Coelbren, GR 22/86.12. Heathy field. M. Porter, 1980, **herb. M.P.**, det. A. J. Silverside. 1st confirmed Welsh record.
- †439/2. *LATHRAEA CLANDESTINA* L. 2, E. Cornwall: Wareham Woods, Trecombe, GR 20/38.78. Bank of R. Tamar. M. & Tony Atkinson, 1988. 2nd record.
- [440/4. *OROBANCHE ALBA* Stephan ex Willd. 6, N. Somerset: Delete record published in *Watsonia* 16: 191 (1986), now believed to be an error for *O. minor* Sm.]
- 440/8. *OROBANCHE MINOR* Sm. *39, Staffs.: Kinver, GR 32/83.83. Sandy grassland. W. A. Thompson, 1976. Lower Penn, GR 32/86.96. Disused railway cutting. P. Hodgson, 1980. 1st and 2nd records. 42, Brecks.: Llangynidr, GR 32/16.19. On *Trifolium repens* M. Porter, 1986. 2nd record, 1st since 1800.
- 440/9. *OROBANCHE LORICATA* Reichenb. *13, W. Sussex: Bank of R. Adur by Coombes Farm, GR 51/19.08. V. Johnstone, 1984, det. from photograph in **RNG** by F. J. Rumsey.
- 440/10. *OROBANCHE HEDERAE* Duby †11, S. Hants.: Winchester, GR 41/48.29. *Hedera* at foot of garden wall. Lady Anne Brewis, 1988, **herb. R.P. Bowman**, det. D. J. Hambler. Only extant locality. †*59, S. Lancs.: Calderstones Park, Liverpool, GR 33/40.87. Foot of *Hedera*-covered wall. E. Hardy, 1984.
- 442/1. *UTRICULARIA VULGARIS* L. *44, Carms.: Pendine, GR 22/30.07. Drainage ditch in sand dunes. R. G. Ellis, 1988, NMW.
- 442/och. *UTRICULARIA OCHROLEUCA* R. Hartman *101, Kintyre: Near An Creachan, GR 16/80.77. Swamp. A. G. Kenneth, 1987, **K**, det. P. Taylor.
- †445/5 × 6. *MENTHA SPICATA* L. × *M. LONGIFOLIA* (L.) Hudson *70, Cumberland: Orton Rigg, GR 35/3.5. Wet roadside. R. E. Groom, 1982, **LANC**, det. R. M. Harley.

- †461/arg. *GALEOBDELON ARGENTATUM* Smejkal *43, Rads.: Gellicadwgan, GR 32/06.51. Bank of Cnithio Brook. R. G. Woods, 1987. 1st Welsh record. *49, Caerns.: Disused railway track near Caernarfon, GR 23/48.63. Coarse ballast. R. H. Roberts, 1987, det. A. McG. Stirling & A. Rutherford. *69, Westmorland: Scroggs Wood, Kendal, GR 34/51.90. Sedburgh Road, Kendal, GR 34/54.91. Both C. E. Wild, 1986, det. A. Rutherford. 1st and 2nd records. *70, Cumberland: Millbeck, GR 35/25.26. Roadside hedge. E. E. Marper, 1986. South-west of Dunbar, GR 35/39.50. Roadside copse. R. E. Groom, 1987, LANC. 1st and 2nd records, both det. A. Rutherford. *73, Kirkcudbrights.: Bar of Barlay, GR 25/60.58. O. M. Stewart, 1985.
- 462/2. *LAMIUM MOLLUCCELLIFOLIUM* Fries *104, N. Ebudes: Kilmarie, GR 18/55.17. Shingle above shore. M. Gregory, 1985, herb. C.W. Murray, det. D. R. McKean. 1st definite Skye record.
- 462/3. *LAMIUM HYBRIDUM* Vill. *47, Monts.: Llanymynech Golf Course, GR 33/26.21. Dumped soil. P. M. Benoit & M. Wainwright, 1988, NMW.
- †462/6. *LAMIUM MACULATUM* L. 99, Dunbarton: Ardenconnel Woods, Rhu, GR 26/26.84. Waste ground. A. McG. Stirling & A. Rutherford, 1972. 1st post-1930 record.
- 465/1. *GALEOPSIS ANGUSTIFOLIA* Ehrh. ex Hoffm. 40, Salop: Jones's Rough N.R., Nant Mawr, GR 33/24.24. Foot of limestone scree. C. Johnson, 1987, det. P. M. Benoit. 1st post-1930 record.
- 469/1. *SCUTELLARIA GALERICULATA* L. 103, Mid Ebudes: Between W. Hynish and Hynish, GR 07/97.38. *Iris pseudacorus* bed near shore. L. Farrell & R. Scott, 1988. 1st record from Tiree.
- 472/2. *PLANTAGO MEDIA* L. 46, Cards.: Ciliau Aeron chapel graveyard, GR 22/49.58. Mown grass. A. O. Chater, 1988. Only extant locality.
- 472/5. *PLANTAGO CORONOPUS* L. 7, N. Wilts.: Spye Park, GR 31/96.67. Track. D. Green, 1987. Only extant locality. *47, Monts.: Mouth of Afon Llyfnant, GR 22/69.97. Gravelly bank of tidal river. P. M. Benoit, 1987, NMW.
- 475/2. *CAMPANULA TRACHELIUM* L. †77, Lanarks.: Craigton, GR 26/54.64. Waste ground. P. Macpherson, 1988. 2nd record.
- †475/4. *CAMPANULA LACTIFLORA* Bieb. *69, Westmorland: Goody Bridge, Grasmere, GR 35/33.08. Frequent on lanesides. G. Halliday, 1987, LANC, det. D. H. Kent & J. M. Mullin.
- †475/5. *CAMPANULA PERSICIFOLIA* L. 83, Midlothian: Warriston cemetery, GR 36/25.75. Dense grass by railway. S. Hendry, 1988, det. D. R. McKean. 2nd record.
- †475/por. *CAMPANULA PORTENSCHLAGIANA* Schultes *99, Dunbarton: Ardoch Farm, Carcross, GR 26/36.76. Verge. A. McG. Stirling & A. Rutherford, 1983.
- 485/3 × 4. *GALIUM MOLLUGO* L. × *G. VERUM* L. *83, Midlothian: Fountainhall, GR 36/42.49. Road cutting. M. Little, 1981, E, det. D. R. McKean.
- 494/2. *VALERIANELLA CARINATA* Loisel. †*78, Peebles.: Walkerburn, GR 36/35.37. Bank above car park. M. E. Braithwaite, 1988, herb. D.J. McCosh, det. D. J. McCosh. †*H8, Co. Limerick: South of Coolcappagh, GR 11/30.40. S. Reynolds, 1987, DBN.
- 494/5. *VALERIANELLA DENTATA* (L.) Pollich 2, E. Cornwall: Near Polzeath, GR 10/95.79. Barley field. T. J. Dingle, 1988. Only extant locality.
- 502/1. *BIDENS CERNUA* L. *96, Easternness: Near Aviemore, GR 28/8.0. Margin of loch. E. Charter *et al.*, 1988.
- 502/2. *BIDENS TRIPARTITA* L. 67, S. Northumb.: Holywell Pond, GR 45/32.75. Marsh at edge of pond. O. L. Gilbert, 1968. 1st record this century.
- †*HELIANTHUS RIGIDUS* (Cass.) Desf. *70, Cumberland: Silloth, GR 35/10.52. Well naturalized by sand-dunes. M. Armstrong, 1986, LANC.
- †503/1. *GALINSOGA PARVIFLORA* Cav. *26, W. Suffolk: Broomhouse Farm, Wangford, GR 52/75.83. Dump of waste soil. M. G. Rutterford & P. J. O. Trist, 1988. *68, Cheviot: Holy Island village, GR 46/12.42. Roadside. G. A. & M. Swan, 1988, herb. G.A.S.

- 506/2 × 1. *SENECIO AQUATICUS* Hill × *S. JACOBAEA* L. *47, Monts.: R. Dyfi S.S.E. of Pennal, GR 22/70.99. Marsh by river. P. M. Benoit, 1987, **NMW**.
- 506/3. *SENECIO ERUCIFOLIUS* L. †77, Lanarks.: Meadowside, Partick, GR 26/54.66. Waste ground by disused railway. A. McG. Stirling, 1988, **GL**. 2nd record, 1st this century.
- 506/5. *SENECIO CAMBRENSIS* Rosser *83, Midlothian: Leith Docks, GR 36/27.76. Waste ground. O. M. Stewart, 1974, **E**, det. H. J. Noltie. Carron Place, Leith, GR 36/27.76. Waste ground. H. J. Noltie, 1986, **E**.
- †506/13. *SENECIO FLUVIATILIS* Wallr. 73, Kirkcudbrights.: Gribdae, GR 25/73.50. Field edge. O. M. Stewart, 1988. 1st post-1930 record.
- †509/2. *PETASITES ALBUS* (L.) Gaertner 44, Carms.: Dryslwyn Uchaf, GR 22/55.20. Lane bank. D. Smith, 1988, det. R. D. Pryce. 2nd record.
- †509/3. *PETASITES JAPONICUS* (Siebold & Zucc.) Maxim. *2, E. Cornwall: Innyfoot, GR 20/37.77. Woodland. S. C. & P. S. Madge, 1988. *59, S. Lancs.: Near Bardsley Bridge, GR 34/93.01. M. Newton, 1987. *77, Lanarks.: Shieldhill, GR 36/00.40. Streamside. M. M. Allan, 1959, **herb. P. Macpherson**, still present in 1988.
- †509/4. *PETASITES FRAGRANS* (Vill.) C. Presl *77, Lanarks.: Cathkin, GR 26/62.58. Roadside. P. Macpherson, 1988, **herb. P.M.** 1st localized record.
- †512/1. *INULA HELENIUM* L. 93, N. Aberdeen: Craig, GR 38/47.24. Streamside in gorge. D. Welch, 1987, **ABD**. 2nd record and only extant locality.
- 514/5. *FILAGO MINIMA* (Sm.) Pers. 51, Flints.: Near Flint Castle, GR 33/24.73. Waste ground. P. Day, 1988. 1st post-1930 record.
- †519/9. *ASTER LANCEOLATUS* Willd. × *A. NOVI-BELGII* L. *5, S. Somerset: Ford Gate, North Petherton, GR 31/32.32. Roadside. I. P. Green, 1987, det. A. C. Leslie. *77, Lanarks.: Shieldhall, GR 26/53.65. Waste ground. P. Macpherson, 1985, **herb. P.M.**, det. P. F. Yeo.
- 520/1. *ASTER LINOSYRIS* (L.) Bernh. 45, Pemsbs.: Linney Head, GR 11/89.95. Exposed limestone sea-cliff. C. Gillham, 1986, **NMW**, det. S. B. Evans. 2nd record.
- †522/1. *CONYZA CANADENSIS* (L.) Cronq. *47, Monts.: Trefeglwys, GR 22/96.90. Waste ground. M. Wainwright, 1986. 70, Cumberland: Denton Holme Industrial Estate, GR 35/39.55. Old railway sidings. R. E. Groom, 1987, **LANC**. 2nd record.
- 527/1. *CHAMAEMELUM NOBILE* (L.) All. *71, Man: Andreas airport, GR 25/42.00. Dumped soil. M. Devereau & L. S. Garrad, 1987. 1st definite record.
- 532/1. *MATRICARIA RECUTITA* L. 80, Roxburghs.: Old Orchard, Hawick, GR 36/52.14. Arable land. M. E. Braithwaite, 1974. 1st record since 1873.
- †536/1. *ECHINOPS SPHAEROCEPHALUS* L. *46, Cards.: Plas Gogerddan, GR 22/63.83. Conifer plantation. A. P. Fowles, 1987, det. A. O. Chater. 69, Westmorland: Near Leece, GR 34/25.69. P. Burton, 1988, **LANC**. 2nd record.
- 539/3. *CARDUS NUTANS* L. **H5**, E. Cork: Ballybutler Lake, GR 10/92.73. Limestone pasture. P. Smiddy, 1986. 1st record since 1898.
- 540/3 × 2. *CIRSIIUM PALUSTRE* (L.) Scop. × *C. VULGARE* (Savi) Ten. *48, Merioneth: Arthog, GR 23/6.1. Roadside. P. M. Benoit, 1986, **NMW**. 1st Welsh record.
- 540/4 × 3. *CIRSIIUM ARVENSE* (L.) Scop. × *C. PALUSTRE* (L.) Scop. *47, Monts.: Cwm Einion, Pontrobert, GR 33/09.13. Meadow. P. M. Benoit, 1987, **NMW**.
- †540/5. *CIRSIIUM OLERACEUM* (L.) Scop. *59, S. Lancs.: Clitheroe, GR 34/73.40. Bank of small stream. S. Wynn, 1988. Colony has persisted for 10 years. 1st record of established population.

- †544/2. *CENTAUREA MONTANA* L. **25**, E. Suffolk: Between Aldeburgh and Thorpeness, GR 62/47.59. Long grass on roadside. J. G. Murrell & P. D. Sell, 1988, *CGE*. 2nd record. *51, Flints.: Graig, Tremeirchion, GR 33/08.72. Road verge. B.S.B.I. Field Meeting, 1988.
- 544/3. *CENTAUREA CYANUS* L. **44**, Carms.: Near Foelgastell, GR 22/54.15. New motorway cutting. R. D. Pryce, 1987. 1st localized record since 1912.
- 547/1. *LAPSANA COMMUNIS* L. **103**, Mid Ebudes: Arnabost Farm, GR 17/21.59. Neglected farmyard. J. W. Clark, 1988. 2nd Coll record.
- 549/2. *HYPOCHAERIS GLABRA* L. *69, Westmorland: South Walney, GR 34/22.62. Sand dunes. G. Halliday, 1987, *LANC*.
- 550/3. *LEONTODON TARAXACOIDES* (Vill.) Mérat †*111, Orkney: Trumland House, Rousay, GR 57/43.27. Grassland by drive. R. W. M. Corner, 1987, *E*.
- 551/1. *PICRIS ECHIOIDES* L. **69**, Westmorland: A590 between Meathop and Lindale, GR 34/43.81. Roundabout. C. E. Wild, 1988, *LANC*. 2nd post-1930 record. [99, Dunbarton: Delete record published in *Watsonia* 15: 402 (1985), specimen is *Crepis setosa* Haller fil.]
- 555/1. *MYCELIS MURALIS* (L.) Dumort. †*H8, Co. Limerick: South-east of Foynes, GR 11/28.48. Limestone crag. S. Reynolds, 1987.
- †557/3. *CICERBITA MACROPHYLLA* (Willd.) Wallr. subsp. *URALENSIS* (Rouy) P. D. Sell *42, Brecks.: Cwm Clydach, GR 32/20.12. Roadside verge. M. Porter, 1988, *NMW*.
- †557/plu. *CICERBITA PLUMIERI* (L.) Kirschleger *77, Lanarks.: Bothwell, GR 26/69.58. Wood. J. Lyth, 1957, *GL*. Still present in 1986, J. H. Dickson, *GL*, det. P. D. Sell.
- †558/1/1. *HIERACIUM AMPLEXICAULE* L. *72, Dumfriess.: 'Dumfriesshire'. Dr Dewar, 1857, *HAMU*, det. P. D. Sell & C. West.
- 558/1/4. *HIERACIUM ALPINUM* L. *104, N. Ebudes: Beinne na Greine, GR 18/74.22. Rock outcrops. A. A. P. Slack & C. W. Murray, 1986, det. J. Bevan.
- 558/1/59. *HIERACIUM ORIMELES* F. J. Hanb. ex W. R. Linton *47, Monts.: Dulas valley, Aberhosan, GR 22/80.96. Shaded bank. A. J. Morton, 1986, det. P. D. Sell.
- 558/1/83. *HIERACIUM PSEUDOSARCOPHYLLUM* Pugsley *101, Kintyre: Near Forest, GR 16/80.71. Ravines. A. G. Kenneth, 1987, *CGE*, det. P. D. Sell.
- 558/1/94. *HIERACIUM DURICEPS* F. J. Hanb. *77, Lanarks.: Hillshie Burn, Camps Reservoir, GR 36/03.21. Rocks by waterfall. D. J. McCosh, 1987, *E*.
- 558/1/117. *HIERACIUM DIPTEROIDES* Dahlst. *99, Dunbarton: Lang Craigs, GR 26/43.76. Cliffs. J. Bevan *et al.*, 1987, *MNE*.
- 558/1/118. *HIERACIUM OISTOPHYLLUM* Pugsley *81, Berwicks.: Greenlaw Dean, GR 36/6.4. Scaur. A. G. Long, 1969, *HAMU*, det. D. J. McCosh.
- 558/1/131. *HIERACIUM RHOMBOIDES* (Stenström) K. Joh. *101, Kintyre: South-west of Lochan Dobhrain, GR 16/79.78. Base-poor rock outcrop. A. G. Kenneth, 1987, det. P. D. Sell.
- 558/1/139. *HIERACIUM RUBIGINOSUM* F. J. Hanb. *77, Lanarks.: Tillietudlem, GR 26/81.46. Unknown collector, 1936, *GL*, det. P. D. Sell.
- 558/1/143. *HIERACIUM CALEDONICUM* F. J. Hanb. *93, N. Aberdeen: Eden, GR 38/70.60. Dyke top by deciduous woodland. D. Welch, 1985, *herb. D. W.*, det. P. D. Sell.
- 558/1/152. *HIERACIUM LEPIDULUM* (Stenström) Omang *35, Mons.: Bettws near Newport, GR 31/2.9. Grassy roadside bank. T. G. Evans, 1985, *NMW*, det. J. Bevan.
- 558/1/163. *HIERACIUM STRUMOSUM* (W. R. Linton) A. Ley *77, Lanarks.: Necropolis, Glasgow, GR 26/60.65. Grassy slope. J. H. Dickson, 1984, *GL*, det. P. D. Sell.

558/1/188. *HIERACIUM UIGINSKYENSE* Pugsley *77, Lanarks.: Near Crawford, GR 26/9.2. J. T. Johnstone, 1892, **GL**, det. P. D. Sell.

558/1/205. *HIERACIUM LISSOLEPIUM* (Zahn) Roffey *77, Lanarks.: Linthouse, GR 26/54.66. Old dock. P. Macpherson, 1985, **herb. P.M.**, det. D. J. McCosh. *83, Midlothian: George Street, Leith, GR 36/2.7. Railway bank. J. Fraser, 1910, **GL**, det. P. D. Sell.

558/1/gla. *HIERACIUM GLANDULIDENS* P. D. Sell & C. West *93, N. Aberdeen: Blairfowl, GR 38/80.38. Sandstone rock ledge in deciduous woodland. D. Welch, 1984, **ABD**, det. P. D. Sell.

†558/1/gou. *HIERACIUM GOUGETANUM* Gren. & Godron *77, Lanarks.: Hallside, GR 26/66.59. Pit bing. K. Watson, 1986, **GL**, det. P. D. Sell.

558/1/sub. *HIERACIUM SUBCRASSUM* (Almq. ex Dahlst.) K. Joh. †*99, Dunbarton: Overtoun House, Milton, GR 26/42.76. Grassy slope under trees. B.S.B.I. Hieracium Group Meeting, 1987, **herb. O. M. Stewart**, det. D. J. McCosh & P. D. Sell. 1st Scottish record.

558/2/7. *PILOSELLA AURANTIACA* (L.) F. W. Schultz & Schultz Bip. subsp. *AURANTIACA* *46, Cards.: Ponterwyd, GR 22/74.80. Rough grass in chapel graveyard. A. O. Chater, 1987, **NMW**, det. P. D. Sell.

†559/3. *CREPIS SETOSA* Haller fil. 69, Westmorland: Greenodd, GR 34/31.82. Industrial site. P. Burton, 1988, **LANC**. 2nd record. *77, Lanarks.: Millburn, Glasgow, GR 26/61.60. Streamside. P. Macpherson & R. Hunter, 1988, **GL**. Govan, GR 26/55.65. Waste ground. P. Macpherson, 1988, **herb. P.M.** 1st and 2nd records. *99, Dunbarton: Duntocher, GR 26/49.72. Grass in landscaped area. A. McG. Stirling, 1984, **GL**, det. J. H. Dickson.

559/4. *CREPIS MOLLIS* (Jacq.) Ascherson 80, Roxburghs.: Fulton Burn, Bedrule, GR 36/60.16. Woodland bank. M. E. Braithwaite, 1988. 1st record this century.

559/5. *CREPIS BIENNIS* L. 40, Salop: Porth-y-Waen, GR 33/25.23. Roadside verge and derelict railway track. M. Wainwright, 1987. 2nd record.

559/8. *CREPIS PALUDOSA* (L.) Moench 46, Cards.: Cwm Llyfnant, GR 22/73.97. Streamside in wood. R. Bamford, 1988. 2nd record.

561/1. *BALDELLIA RANUNCULOIDES* (L.) Parl. 50, Denbs.: Wrexham Industrial Estate, GR 33/39.49. Pond. N.C.C. Pond Survey, 1979. 1st post-1930 record.

563/2. *ALISMA LANCEOLATUM* With. *H33, Fermanagh: South-east of Belleisle House, Upper Lough Erne, GR 23/29.35. Swamp. S. J. Leach *et al.*, 1986.

†LIMNANTHES DOUGLASII R.Br. *42, Brecks.: Pencelli, GR 32/0.2. Ox-bow of R. Usk. M. Porter, 1987.

†570/3. *ELODEA NUTTALLII* (Planchon) St John 34, W. Gloucs.: Wildfowl Trust grounds, Slimbridge, GR 32/72.04. Rhine. B. Stewart, 1986. 2nd record. *88, Mid Perth: R. Earn south-west of Forteviot Bridge, GR 37/03.17. Still backwater. J. R. Akeroyd, C. D. Preston and N. F. Stewart, 1988, **PTH**, det. D. A. Simpson.

†571/1. *LAGAROSIPHON MAJOR* (Ridley) Moss *42, Brecks.: Glyntawe, GR 22/85.16. New pond. M. Porter, 1981, det. D. A. Simpson.

[577/3. *POTAMOGETON COLORATUS* Hornem. 41, Glam.: Delete record published in *Watsonia* 14: 430 (1983), specimen at **NMW** is *P. gramineus* L., det. C. D. Preston.]

577/6 × 5 *POTAMOGETON GRAMINEUS* L. × *P. LUCENS* L. *79, Selkirks.: Crooked Loch, GR 36/35.14. C. O. Badenoch, 1980, **CGE**, det. C. D. Preston.

577/7. *POTAMOGETON ALPINUS* Balbis *78, Peebles.: Eshiels, GR 36/28.40. Ponds. R. Robertson, 1988, **herb. D.J. McCosh**, det. C. D. Preston.

577/9. *POTAMOGETON PERFOLIATUS* L. 45, Pems.: Eastern Cleddau above Canaston Bridge, GR 22/0.1. Tranquil bays of river. J. W. Donovan, 1985.

[577/11. POTAMOGETON FRIESII Rupr. 73, Kirkcudbrights.: Delete record published in *Watsonia* 12: 177 (1978), specimens at CGE and E are *P. obtusifolius* Mert. & Koch, det. C. D. Preston.]

[577/13. POTAMOGETON PUSILLUS L. 98, Main Argyll: Delete record published in *Watsonia* 16: 448 (1987), specimen in herb. B. H. Thompson is *P. berchtoldii* Fieb., det. C. D. Preston.]

577/14. POTAMOGETON OBTUSIFOLIUS Mert. & Koch 45, Pembs.: Maerdy Farm, GR 12/84.25. Irrigation reservoir. J. W. Donovan, 1986. 2nd record. *78, Peebles.: North Esk Reservoir, GR 36/15.58. D. J. McCosh, 1979, herb. D.J.McC., det. A. C. Jermy & C. D. Preston.

[577/20 × 21. POTAMOGETON FILIFORMIS Pers. × P. PECTINATUS L. 83, Midlothian: Delete record published in *Watsonia* 15: 138 (1984), specimen at E is indistinguishable from *P. pectinatus* L., det. C. D. Preston and N. F. Stewart.]

578/1. GROENLANDIA Densa (L.) Fourt. *50, Denbs.: Gresford, GR 33/37.55. Field pond. N.C.C. Pond Survey, 1979. H21, Co. Dublin: Walkinstown, Dublin, GR 32/10.31. Slow-flowing stream. P. S. Wyse Jackson, 1987, TCD. 2nd extant locality.

†589/3 × 2. POLYGONATUM MULTIFLORUM (L.) All. × P. ODORATUM (Miller) Druce *99, Dunbarton: Torwood, Rhu, GR 26/27.83. Rough ground. A. McG. Stirling & A. Rutherford, 1984.

†593/2. LILIUM PYRENAICUM Gouan *77, Lanarks.: Ibrox, GR 26/55.64. Wood. P. Macpherson, 1987, herb. P.M.

†599/lil. SCILLA LILIO-HYACINTHUS L. *80, Roxburghs.: Abbotsford/Faldonside Woods, GR 36/50.33. Woodland. M. E. Braithwaite, 1987. Black Burn, Jedburgh, GR 36/64.17. Woodland. M. E. Braithwaite, 1988, E, det. D. R. McKean. 1st and 2nd records. *81, Berwicks.: Longformacus House, GR 36/69.57. Policy woodland. M. E. & P. F. Braithwaite, 1988, det. D. R. McKean.

†CHIONODOXA LUCILIAE Boiss. *99, Dunbarton: Cardross Park, GR 26/34.77. Wood. A. McG. Stirling & A. Rutherford, 1985.

†601/arm. MUSCARI ARMENIACUM Leichtlin ex Baker *99, Dunbarton: Kilcreggan Pier, GR 26/29.83. Bank. A. McG. Stirling & A. Rutherford, 1982.

†605/2. JUNCUS TENUIS Willd. *26, W. Suffolk: Wangford, GR 52/78.82. Open forest ride. M. G. Rutterford & P. J. O. Trist, 1988. Ten Wood, Ringshall, GR 62/03.52. Disturbed wet woodland. J. Harris & E. M. Hyde, 1988. 1st and 2nd records. 50, Denbs.: Maeshafn, GR 33/20.61. Track. J. A. Green, 1987, NMW. 2nd record.

605/9 × 8. JUNCUS EFFUSUS L. × J. INFLEXUS L. *79, Selkirks.: The Haining, Selkirk, GR 36/47.27. Damp grassland. *80, Roxburghs.: Ale Water below Stotshaw Craigs, GR 36/42.17. Damp grassland. Both R. W. M. Corner, 1982, herb. R.W.M.C., det. C. A. Stace.

605/15. JUNCUS ACUTUS L. *6, N. Somerset: Berrow, GR 31/28.52. Saltmarsh. M. J. Galliot, 1988. 1st confirmed record.

605/18 × 19. JUNCUS ACUTIFLORUS Ehrh. ex Hoffm. × J. ARTICULATUS L. *42, Breccs.: Ystradfellte, GR 22/92.15. Fen. M. Porter, 1978. *H8, Co. Limerick: South of Coolcappagh, GR 11/31.40. Wet pasture. S. Reynolds, 1987, DBN.

605/amb. JUNCUS AMBIGUUS Guss. *44, Carms.: Morfa Uchaf, GR 22/37.11. Tidal mud flat by R. Tywi. G. Hutchinson, 1986, NMW, det. C. A. Stace.

605/fol. JUNCUS FOLIOSUS Desf. 4, N. Devon: Lowman valley near Beer Down, GR 31/00.18. Wet field. L. J. Margetts, 1988. 2nd record. 46, Cards.: Pantycetris, Talgarreg, GR 22/40.51. Ditch. A. O. Chater, 1988. 2nd record. *98, Main Argyll: Ardtur, GR 17/91.46. Muddy pond margin. A. McG. Stirling, 1987. *H8, Co. Limerick: Foynes Island, GR 11/24.52. Muddy seepage area. S. Reynolds, 1987, DBN. *H33, Fermanagh: Ardunshin, GR 23/3.4. S. A. Brennan, undated but probably c. 1860, BEL. *H39, Co. Antrim: Portrush, GR 24/8.3. S. Wear, 1910, BEL.

- †606/4. *LUZULA LUZULOIDES* (Lam.) Dandy & Wilmott 47, Monts.: Great Wood, Gregynog Hall, GR 32/08.97. T. Kohler, 1987. 2nd record.
- 611/2. *LEUCOJUM AESTIVUM* L. †73, Kirkcudbrights.: Carlingwark Loch, GR 25/76.60. Marshy area under *Salix*. A. Carstairs, 1975. 2nd record.
- †614/6. *NARCISSUS POETICUS* L. subsp. *POETICUS* *99, Dunbarton: Aikenshaw, GR 26/23.87. Wood and waste ground above shore. A. McG. Stirling & A. Rutherford, 1985.
- †620/pan. *CROCOSMIA PANICULATA* (Klatt) Goldblatt *99, Dunbarton: Ardencaple, GR 26/28.83. Waste ground. A. Rutherford, 1975.
- 625/3. *EPIPACTIS PURPURATA* Sm. 40, Salop: St Martins, GR 33/33.40. In deep shade on steep wooded slope. D. Hampson, 1987, det. J. J. Wood. Northernmost confirmed British locality.
- 625/5. *EPIPACTIS DUNENSIS* (T. & T. A. Stephenson) Godfery *61, S. E. Yorks.: Skipwith Common, GR 44/65.37. Under trees by stream. T. F. Medd, 1985, det. F. Horsman & A. J. Richards.
- 631/1. *HAMMARBYA PALUDOSA* (L.) O. Kuntze *43, Rads.: Elan valley north of Pont ar Elan, GR 22/90.71. Wet peaty flush. R. G. Woods, 1988. 65, N. W. Yorks.: Near Sedbergh, GR 34/68.90. Marsh. F. Horsman & A. Stoddard, 1983. Cronkley, GR 35/80.20. Marsh. F. Horsman, 1985. Only extant localities.
- 635/1. *COELOGLOSSUM VIRIDE* (L.) Hartman 44, Carms.: Pantycerrig, GR 22/56.30. Thin soil near sandstone rock outcrop. J. J. Hopkins *et al.*, 1987. 2nd extant locality. 46, Cards.: Rhos Glynrhelyg, Gorsgoch, GR 22/49.51. Pingo rampart. A. O. Chater, 1988. 1st record since 1926.
- 636/1a. *GYMNADENIA CONOPSEA* (L.) R.Br. subsp. *CONOPSEA* 4, N. Devon: Braunton Burrows, GR 21/45.33. Damp dune-slack. J. Breeds, 1988. 1st record since 1912.
- 640/1. *OPHRYS APIFERA* Hudson *67, S. Northumb.: Wallsend Dene, GR 45/31.67. Grassland. J. Willey, 1988.
- 640/4. *OPHRYS INSECTIFERA* L. 38, Warks.: Snitterfield Bushes N.R., GR 42/20.60. Scrub. S. J. & J. B. Matthews, 1988, det. J. A. Hardman. 1st record since 1880.
- 643/1 × 3. *DACTYLORHIZA FUCHSII* (Druce) Soó × *D. INCARNATA* (L.) Soó *62, N.E. Yorks.: Ashberry Pasture, GR 44/56.84. Marsh. F. Horsman, 1987, det. J. J. Wood & D. M. Turner-Ettliger.
- 643/2b × 6 cam. *DACTYLORHIZA MACULATA* (L.) Soó subsp. *ERICETORUM* (E. F. Linton) P. F. Hunt & Summerhayes × *D. MAJALIS* (Reichenb.) P. F. Hunt & Summerhayes subsp. *CAMBRENSIS* (R. H. Roberts) R. H. Roberts *46, Cards.: Ynyslas, GR 22/61.91. Marsh. F. Horsman, 1987, det. R. H. Roberts.
- 643/3c. *DACTYLORHIZA INCARNATA* (L.) Soó subsp. *COCCINEA* (Pugsley) Soó 103, Mid Ebudes: Langamull, GR 17/3.5. Machair. R. Coomber, 1984. 1st Mull record.
- 643/3 × 2. *DACTYLORHIZA INCARNATA* (L.) Soó × *D. MACULATA* (L.) Soó *62, N. E. Yorks.: Dalby Forest near Thornton Dale. GR 44/85.84. Marsh. F. Horsman, 1988, det. R. H. Roberts. *64, Mid-W. Yorks.: Austwick, GR 34/7.6. Marsh. F. Horsman, 1988, det. R. H. Roberts.
- 643/2 × 636/1. *DACTYLORHIZA MACULATA* (L.) Soó × *GYMNADENIA CONOPSEA* (L.) R.Br. *42, Brecs.: Abergwesyn, GR 22/84.52. Hay meadow. M. Porter, 1987.
- 645/1. *ANACAMPTIS PYRAMIDALIS* (L.) L. C. M. Richards 73, Kirkcudbrights.: Brighthouse Bay, GR 25/63.45. Sandy grassland. D. Hawker, 1988. 2nd extant locality.
- †647/1. *CALLA PALUSTRIS* L. *83, Midlothian: Bawsinch, Duddingston, GR 36/28.72. Marsh. J. Muscott, 1984.
- †648/1. *LYSICHITON AMERICANUS* Hultén & St John *47, Monts.: Llandinam, GR 32/02.88. Shady ditch west of R. Severn. K. Jones, 1972. Llandinam, GR 32/02.88. Shaded swampy ground

east of R. Severn. V. Evans & J. Packwood, 1986. 1st and 2nd records. *99, Dunbarton: R. Allander, Craighton, GR 26/54.76. Marshy ground. G. Rodway, 1984. *103, Mid Ebudes: Fishnish, GR 17/65.42. Amongst *Iris* near stream on shore. B. Rae, 1988.

649/2 × 1. *ARUM ITALICUM* Miller × *A. MACULATUM* L. *5, S. Somerset: Staplegrove, GR 31/21.26. Roadside copse. P. R. & I. P. Green, 1987.

650/1. *LEMNA POLYRHIZA* L. 83, Midlothian: Bawsinch, Duddingston, GR 36/28.72. Artificially created ponds. J. Muscott, 1984. 1st record since 1894.

650/2. *LEMNA TRISULCA* L. *73, Kirkcudbrights.: Loch Milton, GR 25/83.71. O. M. & N. F. Stewart, 1988.

†650/min. *LEMNA MINUSCULA* Herter *6, N. Somerset: Burrington Combe, GR 31/47.58. Nursery pool. I. P. Green, 1987, det. A. C. Leslie. *7, N. Wilts.: Near Chippenham, GR 31/94.74. Old carp ponds near R. Avon. D. Green, 1987, det. A. C. Leslie. Inwood near Lacock, GR 31/91.67. Gravel pit. D. Green, 1987. 1st and 2nd records. 12, N. Hants.: R. Blackwater, GR 41/85.59. Pool. J. E. Smith, 1987. 2nd record. *27, E. Norfolk: Barton Broad, GR 63/35.21. Shallow water amongst *Phragmites*. F. J. Rumsey, 1988, CGE. Woodbastwick Fen, GR 63/33.16. Ditch. T. C. G. Rich, 1988. 1st and 2nd records.

653/2 × 1. *TYPHA ANGUSTIFOLIA* L. × *T. LATIFOLIA* L. *39, Staffs.: Rugeley, GR 43/0.1. By R. Trent. H. P. Reader, 1919, NMW, det. S. G. Smith. *59, S. Lancs.: Rufford, GR 34/46.15. Canal. J. A. Wheldon, 1907, NMW, det. S. G. Smith. *61, S.E. Yorks.: Holme upon Spalding Moor, GR 44/82.38. Pond. T. Mundell, 1988, herb. F.E. Crackles, det. A. C. Leslie. *67, S. Northumb.: Holywell Pond, GR 45/31.75. G. A. & M. Swan, 1988, herb. G.A.S., det. A. C. Leslie.

663/4 × 8. *CAREX HOSTIANA* DC. × *C. VIRIDULA* Michx subsp. *OEDOCARPA* (N. J. Andersson) B. Schmid *43, Rads.: Pentrosfa Bog, Llandrindod Wells, GR 32/05.59. Calcareous fen. R. G. Woods, 1987.

663/7. *CAREX VIRIDULA* Michx subsp. *BRACHYRRYNCHA* (Čelak.) B. Schmid 34, W. Gloucs.: Cherington, GR 31/90.98. Flush. S. H. Bishop, 1987. Only extant locality.

663/11. *CAREX EXTENSA* Good. *5, S. Somerset: Wall Common, GR 31/26.45. Brackish ditch behind sea wall. M. J. Galliot, 1988.

663/33. *CAREX LASIOCARPA* Ehrh. 45, Pems.: Cors Penally, GR 21/11.98. *Molinia*-dominated calcareous mire. F. Rose, 1987. 2nd record.

663/48. *CAREX AQUATILIS* Wahlenb. *104, N. Ebudes: Skeabost River south of Skeabost Bridge, GR 18/42.48. River-bank. C. W. Murray and H. J. B. & H. H. Birks, 1984, herb. C.W.M., det. R. W. David.

663/56. *CAREX DIANDRA* Schrank 81, Berwicks.: Longmuir Rig, GR 36/47.50. Base-rich fen. M. E. & P. F. Braithwaite and D. R. McKean, 1988, herb. M.E.B. Only extant locality. 83, Midlothian: Longmuir Rig, GR 36/47.50. Base-rich fen. M. E. & P. F. Braithwaite and D. R. McKean, 1988. Only extant locality.

663/54 × 71. *CAREX PANICULATA* L. × *C. REMOTA* L. *42, Brechs.: Talybont-on-Usk, GR 32/08.17. Margin of reservoir. M. Porter, 1987, herb. M.P., det. A. O. Chater & A. C. Jermy. *77, Lanarks.: Port Dundas, GR 26/58.66. Canal wall. K. Watson, 1987, GL.

663/57 × 71. *CAREX OTRUBAE* Podp. × *C. REMOTA* L. *42, Brechs.: Talybont-on-Usk, GR 32/08.17. Margin of reservoir. M. Porter, 1980, herb. M.P., det. A. C. Jermy.

663/60. *CAREX DISTICHA* Hudson *43, Rads.: Pentrosfa Bog, Llandrindod Wells, GR 32/05.59. Calcareous fen. R. G. Woods, 1987.

663/66. *CAREX DIVULSA* Stokes subsp. *LEERSII* (Kneucker) Walo Koch *69, Westmorland: Near Millwood House, GR 34/21.73. Hedgerow. P. Burton, 1988, LANC, det. A. O. Chater & R. W. David.

663/68 mur. *CAREX MURICATA* L. subsp. *MURICATA* *65, N. W. Yorks.: Red Scar, Downholme, GR 45/11.00. Limestone scree. D. J. Millward, 1987, det. R. W. David.

†*SASA PALMATA* (Burbidge) E. G. Camus *99, Dunbarton: Shandon, GR 26/25.87. Burnside. A. McG. Stirling & A. Rutherford, 1982, det. D. McClintock. Vast colony.

667/1 alt. *MOLINIA CAERULEA* (L.) Moench subsp. *ALTISSIMA* (Link) Domin *67, S. Northumb.: Near Druridge Bay, GR 45/27.99. Fen behind sand dunes. Broomlee Lough, GR 35/78.69. Wet ground by lake. Both G. A. Swan, 1988, **herb. G.A.S.**, det. P. J. O. Trist. 1st and 2nd records. *68, Cheviot: Embleton's Bog, GR 46/16.29. Base-rich fen. G. A. Swan, 1988, **herb. G.A.S.**, det. P. J. O. Trist. *81, Berwicks.: Gordon Moss, GR 36/63.42. Fen. M. E. Braithwaite, 1988, **herb. P.J.O. Trist**, det. P.J.O.T.

669/1 × 2. *GLYCERIA FLUITANS* (L.) R.Br. × *G. PLICATA* (Fries) Fries *44, Carms.: Eastern Cleddau west of Clynderwen, GR 22/08.19. Marshy ground. G. Hutchinson, 1986, **NMW**, *83, Midlothian: North-east of Stow, GR 36/47.45. Marsh. R. Learmouth, 1986, **E**, det. D. R. McKean. *H8, Co. Limerick: Cahir Guillamore, GR 11/60.40. S. Reynolds, 1987, **DBN**.

669/2. *GLYCERIA PLICATA* (Fries) Fries *79, Selkirks.: Pot Loch, Selkirk, GR 36/47.28. Pond margin. R. W. M. Corner, 1978. Hartwoodburn Pond, Selkirk, GR 36/46.26. Pond margin. R. W. M. Corner, 1982. 1st and 2nd records, both **herb. R.W.M.C.** 80, Roxburghs.: R. Liddel below Kershopefoot, GR 35/46.82. Burnside. R. W. M. Corner, 1981, **herb. R.W.M.C.** 2nd extant locality. 83, Midlothian: North-east of Stow, GR 36/47.45. Marshy ground. R. Learmouth, 1988, **herb. R.L.**, det. D. R. McKean. 1st record since 1927.

670/4. *FESTUCA ALTISSIMA* All. *43, Rads.: Bach Howey Gorge, GR 32/11.43. Rocks and decaying wood. R. G. Woods & M. Porter, 1987. *50, Denbs.: Erbistock, GR 33/35.41. Sandstone rocks in wood by R. Dee. J. A. Green, 1987, **NMW**. Llansannan, GR 23/92.61. Mossy rocks by stream in wood. J. A. Green, 1988. 1st and 2nd records.

†670/5. *FESTUCA HETEROPHYLLA* Lam. *60, W. Lancs.: Myerscough, GR 34/49.39. Gravel path. C. J. Bruxner, 1987, det. P. J. O. Trist.

670/8 oph. *FESTUCA OVINA* L. subsp. *OPHIOLITICOLA* (Kerguélen) M. J. Wilkinson 4, Monts.: Afon Hengwm, Carn Hyddgen, GR 22/79.89. Marsh dominated by *Juncus effusus*. A. O. Chater, 1988, **NMW**, det. M. J. Wilkinson.

670/9. *FESTUCA TENUIFOLIA* Sibth. *47, Monts.: Llanfihangel-yng-Ngwynfa, GR 33/0.1. Dry hummocks in bog. P. M. Benoit, 1988, **NMW**. 1st localized record.

670/11. *FESTUCA TRACHYPHYLLA* (Hackel) Krajina 4, N. Devon: Between Uplowman and Sampford Peverell, GR 31/02.14. Steep roadside bank. L. J. Margetts, 1988, **herb. L.J.M.**, det. C. A. Stace. 2nd record.

670/1 × 671/1. *FESTUCA PRATENSIS* Hudson × *LOLIUM PERENNE* L. *50, Denbs.: Overton, GR 33/39.42. Wet meadows. D. Tinston, 1987, **NMW**, det. P. M. Benoit *73, Kirkcudbrights.: Tongland Loch, GR 25/71.56. Muddy edge of ditch. O. M. & N. F. Stewart, 1988, **E**, det. P. J. O. Trist.

670/6 × 672/3. *FESTUCA RUBRA* L. sens. lat. × *VULPIA MYUROS* (L.) C. C. Gmelin *35, Mons.: Newport, GR 31/32.87. Waste ground. T. G. Evans, 1988, **herb. T.G.E.**, det. C. A. Stace.

672/1. *VULPIA FASCICULATA* (Forskål) Samp. 5, S. Somerset: Dunster, GR 21/99.45. Sand dunes. I. P. Green, 1987. 1st record since 1849. *51, Flints.: Talacre Warren, GR 33/0.8. Mobile dune. P. Day, 1982. Point of Ayr, GR 33/1.8. Sand dunes. J. A. Green & G. Wynne, 1985. 1st and 2nd records.

672/5. *VULPIA CILIATA* Dumort. subsp. *AMBIGUA* (Le Gall) Stace & Auquier *5, S. Somerset: Dunster, GR 21/99.46. Fixed dunes. C. J. Giddens & M. Tulloh, 1972.

676/12. *POA SUBCAERULEA* Sm. *H8, Co. Limerick: Foynes Island, GR 11/24.52. Short turf above shore. Ballyneety, GR 11/62.48. Wall top. Both S. Reynolds, 1987, **DBN**. 1st and 2nd records.

- †676/14. *POA PALUSTRIS* L. 48, Merioneth: Llyn Tegid, GR 23/9.3. Wet marshy ground. P. M. Benoit, 1982. 2nd record.
- †676/15. *POA CHAIXII* Vill. 43, Rads.: Cemetery, Knighton, GR 32/28.72. R. G. Woods, 1987. 2nd record.
- 677/1. *CATABROSA AQUATICA* (L.) Beauv. *47, Monts.: Wern Clay Pits, Arddleen, GR 33/25.14. Margin of recently dug pool. I. Gunn & K. Edwards, 1987. 104, N. Ebudes: Suileabhaig, Canna, GR 18/27.04. Wet sandy ground. H. J. B. & H. H. Birks and C. W. Murray, 1984. 1st Canna record.
- 681/2. *MELICA NUTANS* L. 33, E. Gloucs.: Lineover Wood, GR 32/98.18. Steep north-facing slope in ancient wood. S. Porter & I. Ralphs, 1988. Only extant locality.
- 683/1. *BROMUS ERECTUS* Hudson *47, Monts.: Llanymynech Hill, GR 33/2.2 Limestone grassland. P. M. Benoit, 1988, NMW. *H8, Co. Limerick: South-west of Askeaton, GR 11/33.49. S. Reynolds, 1987, DBN, det. C. A. Stace.
- 683/3. *BROMUS BENEKENII* (Lange) Trimen *47, Monts.: Near Llanfihangel-yng-Ngwynfa, GR 33/0.1. Wooded dingle. Abermule Dingle, GR 32/1.9. Base-rich woodland. Both P. M. Benoit, 1988, NMW. 1st and 2nd records.
- †683/4. *BROMUS INERMIS* Leysser *33, E. Gloucs.: Icomb, GR 42/20.23. Grassy roadside verge. H. J. Gardner, 1988.
- †683/8. *BROMUS RIGIDUS* Roth *11, S. Hants.: Gunner Point, GR 40/69.99. Sand dune. R. P. Bowman, 1988, det. P. J. O. Trist. South Hayling, GR 40/70.98. Sand dune. R. P. Bowman, 1988. Both herb. R.P.B. 1st and 2nd records of established populations.
- †683/9. *BROMUS TECTORUM* L. *5, S. Somerset: Scott's Nurseries, Merriott, GR 31/44.12. Fallow nursery gardens. R. G. B. Roe, 1987.
- 683/14. *BROMUS RACEMOSUS* L. 47, Monts.: Powis Castle Park, GR 33/21.06. Parkland. P. M. Benoit, 1985, NMW. 2nd record.
- 683/15. *BROMUS COMMUTATUS* Schrader *42, Brecks.: Talgarth, GR 32/16.35. Roadside verge. M. Porter, 1981, NMW, det. T. A. Cope. 1st confirmed record.
- †683/19. *BROMUS CARINATUS* Hooker & Arnott *H21, Co. Dublin: Pigeon House Road, Dublin, GR 32/18.34. Grassy verge. S. Reynolds, 1987, DBN, det. T. C. G. Rich & C. A. Stace. 1st Irish record.
- 683/20. *BROMUS CATHARTICUS* Vahl *46, Cards.: Lampeter, GR 22/57.48. Roadside verge. A. Orange, 1981, NMW, det. P. J. O. Trist.
- 683/wil. *BROMUS WILLDENOWII* Kunth 25, E. Suffolk: Levington, GR 62/23.39. Garden. I. J. Killeen, 1987, det. M. N. Sanford & P. J. O. Trist. 2nd record.
- 684/2. *BRACHYPODIUM PINNATUM* (L.) Beauv. *50, Denbs.: Bryn Euryn, GR 23/83.79. Limestone grassland. P. Day and A. M. Burn, 1987, NMW.
- 685/4. *ELYMUS PYCNANTHUS* (Godron) Melderis *68, Cheviot: Near Alnmouth, GR 46/24.09. Saltmarsh. G. A. Swan, 1988, herb. G.A.S., det. P. J. O. Trist. 1st confirmed record.
- 687/3. *HORDEUM MARINUM* Hudson *51, Flints.: R. Clwyd, Rhuddlan, GR 33/01.78. Grazed saltings. P. Day, 1986, det. R. H. Roberts.
- 689/1. *KOELERIA MACRANTHA* (Ledeb.) Schultes *42, Brecks.: Ystradfellte, GR 22/90.14. Limestone pavement. R. G. Woods, 1986. 1st localized record.
- 691/1. *TRisetum FLAVESCENS* (L.) Beauv. *93, N. Aberdeen: Slains, GR 48/03.30. Steep grassland. D. Welch, 1988, ABD.
- 695/1 × 2. *HOLCUS LANATUS* L. × *H. MOLLIS* L. *62, N. E. Yorks.: Wykeham Forest, GR 44/92.87. Sandy soil in Forestry Commission nursery. E. Chicken, 1986, herb. E.C., det. T. A. Cope.

- †697/3. *AIRA CARYOPHYLLEA* L. subsp. *MULTICULMIS* (Dumort.) Bonnier & Layens *4, N. Devon: Lower Yelland, GR 21/48.32. Old railway track. W. H. Tucker, 1988.
- 701/2b. *AGROSTIS VINEALIS* Schreber *46, Cards.: Llynnoedd Ievan, GR 22/79.81. Upland heath. Gorsgoch, GR 22/47.51. Roadside cliff. Both A. O. Chater, 1988, NMW. 1st and 2nd records. *47, Monts.: Coedleos, GR 33/08.14. Forestry track. P. M. Benoit, 1987. NMW.
- 701/4. *AGROSTIS GIGANTEA* Roth 43, Rads.: Presteigne, GR 32/31.64. Waste ground. R. G. Woods, 1988. 2nd record.
- †701/cas. *AGROSTIS CASTELLANA* Boiss. & Reuter *42, Brecks.: Llangynidr, GR 32/15.19. Garden weed. M. Porter, 1981, NMW, det. T. A. Cope. 1st Welsh record.
- 701/5 × 703/1. *AGROSTIS STOLONIFERA* L. × *POLYPOGON MONSPELIENSIS* (L.) Desf. *25, E. Suffolk: Beccles, GR 62/42.91. Field entrance. J. Muddeman & T. Abrehart, 1987.
- 702/1. *APERA SPICA-VENTI* (L.) Beauv. *7, N. Wilts.: Netherstreet Farm, Bromham, GR 31/98.65. Barley field. D. Green, 1987, herb. D.G.
- 708/1. *ALOPECURUS MYOSUROIDES* Hudson 50, Denbs.: Llanfihangel Glyn Myfyr, GR 33/00.48. Farmyard. J. A. Green, 1988. 2nd post-1930 record.
- 708/4 × 3. *ALOPECURUS AEQUALIS* Sobol. × *A. GENICULATUS* L. *42, Brecks.: Talybont Reservoir, GR 32/09.17. Margin of reservoir. M. Porter, 1987, NMW, det. T. A. Cope. 2nd Welsh record.
- 708/5 × 3. *ALOPECURUS BULBOSUS* Gouan × *A. GENICULATUS* L. *25, E. Suffolk: Church Farm, Burgh Castle, GR 63/47.05. R. P. Libbey, 1980, LTR.
- 711/1. *HIEROCHLOE ODORATA* (L.) Beauv. 79, Selkirks.: Clearburn Loch, 36/33.15. Damp grassy area. R. W. M. Corner, 1988. 2nd record.