

## Plant Records

Records for publication must be submitted in the form shown below to the appropriate vice-county Recorder (*List of members* (1976)), and *not* to the Editors.

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)), but *Taraxacum* is arranged according to A. J. Richards (*Watsonia*, 9, Suppl. (1972)). With the exception of collectors' initials, herbarium abbreviations are those used in *British Herbaria* by D. H. Kent (1958).

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.

1/3. LYCOPODIUM ANNOTINUM L. \*93. N. Aberdeen: Bennachie, GR 38.68.23. Moorland at 1400 ft. A. H. Somerville, 1964. **ABD**.

1/5. LYCOPODIUM ALPINUM L. 93. N. Aberdeen: Buck of Cabrach, GR 38.41.23. 2200 ft. D. Welch, 1977, **ABD**. 1st post-1930 record.

2/1. SELAGINELLA SELAGINOIDES (L.) Link \*47. Montgomery: Lake Vyrnwy, GR 23.9.2. P. M. Benoit & M. O. Hill, 1975, field record. (*Nature Wales*, 16: 64 (1978)).

3/1. ISOETES LACUSTRIS L. 74. Wigtown: Black Loch, Castle Kennedy, GR 25.11.61. C.S.S.F. Field Meeting, 1977, field record. 1st post-1930 record. 85. Fife: Dow and Lurg Loch, Cleish Hills, GR 36/09.96. G. H. Ballantyne, 1975, field record. 1st record since 1821.

3/2. ISOETES ECHINOSPORA Durieu \*73. Kirkcudbright: Lochenkit Loch, GR 25.80.75. O. M. Stewart, 1977, **BM**, det. A. C. Jermy.

4/4. EUISETUM VARIEGATUM Schleich, ex Weber & Mohr \*1. W. Cornwall: Penhale Sands, GR 10/77.57. Dune-slack, B.S.B.I. Field Meeting, 1977. **BM**, det. A. C. Jermy. Upton Towans, Hayle, GR 10/57.39. L. J. Margetts, 1977. **CAMB**. 1st and 2nd records.

4/8. EUISETUM PRATENSE Ehrh. 85. Fife: Bishop Hill, GR 37.18.04. G. H. Ballantyne, 1975, field record, det. C. N. Page. 1st record since 1857.

4/9 × 5. EUISETUM ARVENSE L. × E. FLUVIATILE L. 45. Pems.: near St. David's, GR 12/74.27. Moorland, P. M. Benoit, 1976, field record. 2nd record. (*Nature Wales*, 16: 62 (1978)). \*85, Fife: Cockairney gravel pit, Cleish, GR 36.09.98. G. H. Ballantyne, 1975, **herb. G.H.B.**, det. C. N. Page. 1st definite record. \*89. E. Perth: Killiecrankie, GR 27.91.61. M. McC. Webster, 1976. E. conf. C. N. Page.

5/1. OSMUNDA REGALIS L. 73. Kirkcudbright: near Newton, GR 25.55.53. H. J. B. & H. H. Birks, 1975, field record. Only known native habitat.

7/1. HYMENOPHYLLUM TUNBRIGENSE (L.) Sm. 72. Dumfries: Auchenhessnane, Scaur Water, GR 25/80.96. H. J. B. Birks, 1976, field record. 2nd record.

9/1. CRYPTOGRAMMA CRISPA (L.) R. Br. ex Hook. 93. N. Aberdeen: Hill of Foudland, GR 38/60.33. D. Welch, 1976, field record. 1st post-1930 record.

15/1c. ASPLENIUM CUNEIFOLIUM Viv. \*88. Mid Perth: Corrycharmaig, Glen Lochay, GR

27/52.35. *P. Ewing*, 1909, **GL**, det. R. H. Roberts & A. McG. Stirling. Corrycharmaig, Glen Lochay, GR 27/52.35. A. McG. Stirling, 1973, **E**, 2n = 72.

15/2. *ASPLENIUM BILLOTII* F. W. Schultz \*47, Montgomery: Machynlleth, GR 23/7.0. Roadside bank. P. M. Benoit, 1976, **NMW**, (*Nature Wales*, 16: 64 (1978)).

15/6. *ASPLENIUM VIRIDE* Huds. \*93, N. Aberdeen: Hill of Towanreef, GR 38/46.24. Serpentine rocks. D. Welch, 1977, **ABD**.

†17/1. *MATTEUCCIA STRUTHIOPTERIS* (L.) Tod. \*85, Fife: Balbitnie, Markinch, GR 37/29.02. G. H. Ballantyne, 1974, field record.

21/2. *DRYOPTERIS PSEUDOMAS* (Wollaston) Holub & Pouzar \*29, Cambs.: Chippenham, GR 52/67.69. O. Vaughan, 1964, **CGE**, det. H. V. Corley, conf. A. C. Jermy. Wicken Fen, GR 52/5.7. A. C. Leslie, 1976, **CGE**, conf. A. C. Jermy. 1st and 2nd records.

21/3. *DRYOPTERIS ABBREVIATA* (DC.) Newm. 73, Kirkcudbright: station at Gatehouse of Fleet, GR 25/54.62. C.S.S.F. Field Meeting, 1977, field record. 2nd record. \*74, Wigtown: near Dirnow, GR 25/28.66. C.S.S.F. Field Meeting, 1977, **herb. A. J. Silverside**.

21/6 × 7. *DRYOPTERIS CARTHUSIANA* (Vill.) H. P. Fuchs × *D. DILATATA* (Hoffm.) A. Gray \*90, Forfar: Drumore Loch, Blacklunans, GR 37/16.60. C.S.S.F. Field Meeting, 1977, **herb. U. K. Duncan**, det. A. J. Silverside.

22/1. *POLYSTICHUM SETIFERUM* (Forsk.) Woynar 74, Wigtown: by Beoch Burn, GR 25/09.65. C.S.S.F. Field Meeting, 1977, field record. 1st post-1930 record.

22/2 × 1. *POLYSTICHUM ACULEATUM* (L.) Roth × *P. SETIFERUM* (Forsk.) Woynar \*48, Merioneth: Ceunant Llenyrch, GR 23/6.3. P. M. Benoit, 1977, **NMW**, conf. A. C. Jermy.

24/4. *THELYPTERIS DRYOPTERIS* (L.) Slosson 93, N. Aberdeen: Laiters, GR 38/67.47. Woodland. D. Welch, 1977, **ABD**. 1st post-1930 record.

25/1/2. *POLYPODIUM AUSTRALE* Fée \*57, Derbys.: Hagg Rock, Matlock Bath, GR 43/2.5. 1860, in herb. collection of J. Whittaker, **DBY**, conf. A. C. Jermy, J. M. Mullin & J. A. Crabbe.

26/1. *PILULARIA GLOBULIFERA* L. 70, Cumberland: Strands, Wasdale, GR 35/12.02. R. Stokoe, 1977, **herb. R.S.** Only extant locality.

46/22c. *RANUNCULUS PENICILLATUS* (Dumort.) Bab. \*47, Montgomery: River Vyrnwy, Llansantffraid, GR 33/2.1. F. H. Perring, 1976, field record, (*Nature Wales*, 16: 64 (1978)).

56/1 × 2. *NUPHAR LUTEA* (L.) Sm. × *N. PUMILA* (Timm) DC. 99, Dunbarton: Rossdhu Woods, Luss, GR 26/35.87. A. McG. Stirling, 1976, field record. 2nd record.

58/1. *PAPAVER RHOEAS* L. 73, Kirkcudbright: Carsluth, GR 25/48.54. Among rocks near shore. O. M. Stewart, 1977, field record. 1st post-1930 record.

66/6b. *FUMARIA MURALIS* Sond. ex Koch subsp. *BORAEI* (Jord.) Pugsl. \*93, N. Aberdeen: Little Millbren, GR 38/81.44. Roadside. D. Welch, 1976, field record.

66/7. *FUMARIA MICRANTHA* Lag. 80, Roxburgh: Laretburn, St Boswells, GR 36/59.30. Roadside verge. R. W. M. Corner, 1976, **herb. R.W.M.C.** 1st post-1930 record.

67/4. *BRASSICA NIGRA* (L.) Koch \*74, Wigtown: Wigtown, GR 25/46.59. C.S.S.F. Field Meeting, 1977, field record.

†69/3. *RHYNCHOSINAPIS CHEIRANTHOS* (Vill.) Dandy \*57, Derbys.: Shirebrook North railway station, GR 43/52.68. J. G. Hodgson, 1977, field record.

74/2. *RAPHANUS MARITIMUS* Sm. \*72, Dumfries: Powfoot, GR 35/14.65. J. D. S. Martin, 1977, field record.

†79/p. *LEPIDIUM PERFOLIATUM* L. \*57, Derbys.: Matlock Bank, GR 43/30.60. Road-verge. J. G. Hodgson, 1977, field record.

80/1. *CORONOPUS SQUAMATUS* (Forsk.) Aschers. 85. Fife: Anstruther, GR 36 56.03. On tarmac near shore. G. H. Ballantyne, 1977, field record. 1st record since 1905.

85/1. *TEESDALIA NUDICAULIS* (L.) R. Br. 79. Selkirk: Blakehope Hill, Caddonfoot, GR 36,45.35. J. G. Roger, 1976, field record. 1st post-1930 record.

95/1. *EROPHILA VERNA* (L.) Chevall. \*93. N. Aberdeen: Brae of Scurdargue, GR 38 47.28. D. Welch, 1977, **ABD**.

95/2. *EROPHILA SPATHULATA* Läng \*73. Kirkcudbright: Brighthouse Bay, GR 25 63.45. A. McG. Stirling, 1960, field record.

†98/4. *BARBAREA VERNA* (Mill.) Aschers. 80. Roxburgh: Whitlaw, Hawick, GR 36 50.12. Railway embankment. R. W. M. Corner, 1976, **BM**. 1st definite post-1930 record. \*89, E. Perth: Killiecrankie, GR 27 91.62. M. McC. Webster, 1976, **E**.

102/3. *RORIPPA SYLVESTRIS* (L.) Bess. 73. Kirkcudbright: near Buittle Farm, GR 25 82.62. O. M. Stewart, 1972, field record. 1st post-1930 record.

†104/1. *HESPERIS MATRONALIS* L. 73. Kirkcudbright: N. W. of Dumfries, GR 25 97.76. M. E. R. Martin, 1973, field record. 1st post-1930 record.

113/5 × 4. *VIOLA REICHENBACHIANA* Jord. ex Bor. × *V. RIVINIANA* Reichb. 49. Caerns.: Treborth, Bangor, GR 23,55.71. R. H. Roberts, 1976, field record. 2nd record. (*Nature Wales*, **16**: 65 (1978)).

113/11. *VIOLA LUTEA* Huds. \*93. N. Aberdeen: Brae of Scurdargue, GR 38,47.28. D. Welch, 1977, **ABD**.

†115/2. *HYPERICUM INODORUM* Miller \*27. E. Norfolk: Corpusty, GR 63,12.30. Conifer plantation. M. A. Brewster, 1977, field record, conf. E. L. Swann.

115/6 × 5. *HYPERICUM MACULATUM* Crantz × *H. PERFORATUM* L. 29. Cambs.: Longstowe, GR 52,31.55. Meadow. A.C. Leslie, 1975, **herb. A.C.L.**, conf. N. K. B. Robson, 1st post-1930 record.

122/1. *ELATINE HEXANDRA* (Lapierre) DC. 70. Cumberland: W. of Carlisle, GR 35 0.1. R. Stokoe, 1977, **herb. R.S.** Confirmation of pre-1930 locality and one of two extant localities. 74. Wigtown: White Loch, Castle Kennedy, GR 25 11.60. C.S.S.F. Field Meeting, 1977, field record. 1st post-1930 record.

127/8. *DIANTHUS DELTOIDES* L. 66. Durham: Edmundbyers, GR 45 01.50. G. H. Ballantyne, 1977, **SUN**. Only extant locality.

131/10. *CERASTIUM DIFFUSUM* Pers. \*77. Derbys.: Temple Normanton, GR 43 43.67. Railway track ballast. J. Hodgson & S. Band, 1972, field record. Morley, GR 43 38.39. J. Hodgson & A. Willmot, 1977, field record. 1st and 2nd records.

133/6. *STELLARIA PALUSTRIS* Retz. 45. Pembs.: near Castle Morris, GR 12 90.31. Flood-plain mire. K. Pearce & S. K. Saggitt, 1977, **NMW**, det. S. B. Evans, 2nd record. (*Nature Wales*, **16**: 62 (1978)).

135/1. *MOENCHIA RECTA* (L.) Gaertn., Mey. & Scherb. 48. Merioneth: near Tywyn, GR 23/5.0. P. M. Benoit, 1977, **NMW**. 1st record since 1927.

136/1. *SAGINA APETALA* Ard. \*89. E. Perth: Pitlochry station yard, GR 27 93.58. A. McG. Stirling, 1971, field record. 1st definite record.

136/3. *SAGINA MARITIMA* Don 44. Carms.: Taf estuary, Llanstephan, GR 22,3.0 I. M. Vaughan, 1977, field record. 2nd record. (*Nature Wales*, **16**: 60 (1978)).

136/7. *SAGINA NORMANIANA* Lagerh. 89. E. Perth: Glen Tarf, Atholl, GR 27 93.79. & 27 90.83. N. A. Sanderson, 1975, field records. 1st post-1930 records.

145/1. *CORRIGIOLA LITORALIS* L. \*61. S. E. Yorks.: Hull, GR 54 05.29. Disused railway sidings. F. E. Crackles, 1977, **herb. F.E.C.** 2nd record.

154/2. *CHENOPODIUM POLYSPERMUM* L. \*51. Flint: Connah's Quay. GR 33 30.69. Tip. V. Gordon, 1975, field record. \*73. Kirkcudbright: Gatehouse of Fleet railway station, GR 25/54.62. C.S.S.F. Field Meeting, 1977, field record. \*74. Wigtown: Castle Kennedy estate, GR 25/11.61. C.S.S.F. Field Meeting, 1977, field record.

†154/c. *CHENOPODIUM CARINATUM* R. Br. \*29. Cambs.: Kennett. GR 52 69.68. Filled gravel-pit tip. G. M. S. Easy, 1969, **herb. G.M.S.E.**

156.l. *ATRIPLEX LONGIPES* Drej. \*69. Westmorland: Arnside. GR 34 46.78. Muddy foreshore. M. Baecker, 1977, **LANC.** det. P. M. Taschereau.

156/p. *ATRIPLEX PRAECOX* Hulphers \*73. Kirkcudbright: near Borgue. GR 25,6.4. O. M. Stewart, 1977, **E.** det. P. M. Taschereau. \*99. Dunbarton: Lochside, Garelochhead, GR 26/23.91. A. McG. Stirling, 1977, **E.** det. P. M. Taschereau.

157. 1. *HALIMIONE PORTULACOIDES* (L.) Aellen \*74. Wigtown: Portdown Bay, GR 25/09.33. H. A. Lang, 1977, field record. 1st definite post-1930 record.

168 12. *GERANIUM ROTUNDIFOLIUM* L. †\*48. Merioneth: near Aberdovey railway station, GR 22 6.9. K. M. Stevens, 1975, **NMW.** det. P. M. Benoît.

168/14. *GERANIUM PUSILLUM* L. †\*48. Merioneth: Aberdovey, GR 22 6.9. K. M. Stevens, 1977, **NMW**, conf. P. M. Benoît. 1st record since 1927.

169/3 × 4. *ERODIUM CICUTARIUM* (L.) L'Hérit. × *E. GLUTINOSUM* Dumort. \*49. Caerns.: near Warren Farm. Morfa Dinlle. GR 23 43.59. Sandy pasture. R. H. Roberts, 1961, field record. (*Nature Wales*, **16**: 65 (1978)).

180/1. *FRANGULA ALNUS* Mill. \*73. Kirkcudbright: Bargaly Farm, Palnure, GR 25/45.65. A. McG. Stirling, 1960, field record. 2nd record.

†185/h. *GENISTA HISPANICA* L. subsp. *occidentalis* Rouy \*46. Cards.: Constitution Hill, Aberystwyth, GR 22/58.82. A. O. Chater, 1977, **NMW**. Naturalised here since 1927. (*Nature Wales*, **16**: 63 (1978)).

†188/s. *CYTISUS STRIATUS* (Hill) Rothm. \*46. Cards.: between Aberystwyth and Penparcau. GR 22/58.80. A. O. Chater, 1977, **NMW**, det. B. E. Smythies. 1st planted c 1970 and spreading. (*Nature Wales*, **16**: 63 (1978)).

190/1. *MEDICAGO FALCATA* L. †85. Fife: near Ladybank. GR 37 29.11. Railway bank. G. H. Ballantyne, 1976, field record. 2nd record and 1st since 1889.

†191/2. *MELILOTUS OFFICINALIS* (L.) Pall. \*73. Kirkcudbright: Kirkbean, GR 25/97.59. O. M. Stewart, 1977, **E.** 1st post-1930 record.

192/24. *TRIFOLIUM MICRANTHUM* Viv. \*69b. Furness: Grange-over-Sands, GR 34/41.78. Lawn by station. S. M. Coles, 1977, **LANC.** 1st definite record.

200/2. *ASTRAGALUS ALPINUS* L. \*89. E. Perth: Glen Shee. GR 37 1.7. Grassland on limestone. N. A. Sanderson, 1975, field record. 1st post-1930 record.

206/17. *VICIA BITHYNICA* (L.) L. \*51. Flint: 2 miles S. E. of Rhuddlan, GR 33,04.76. D. Stephenson, 1976, field record. 1st post-1930 record.

211/1. *RUBUS CHAMAEMORUS* L. \*73. Kirkcudbright: Alwhat, GR 26 61.99. H. A. Lang, 1974, field record. 2nd record. \*85. Fife: Melloch Hill. Ochil Hills. GR 37 02.06. G. H. Ballantyne, 1975, field record.

211/9 × 6. *RUBUS CAESIUS* L. × *R. IDAEUS* L. \*68. Cheviot: Shawdon Burn. GR 46/08.15. G. G. Graham, 1963, **herb. G.G.G.**

211,11/18. *RUBUS LATIFOLIUS* Bab. \*80. Roxburgh: between Hawick and Appletreehall, GR 36,5.1. C. W. Muirhead, 1972, **E.** \*89. E. Perth: Pitlochry. GR 27 9.5. M. McC. Webster, 1966, **E.** 2nd record.

211/11/21. *RUBUS BALFOURIANUS* Bloxam ex Bab. \*29. Cambs.: White Wood, Gamlingay, GR 52/21.51. A. C. Leslie, 1977. **herb. A.C.L.**, conf. A. Newton. 1st definite record.

211/11/129. *RUBUS ULMIFOLIUS* Schott \*80. Roxburgh: Stobs railway station. GR 36/50.09. R. W. M. Corner, 1976. **herb. R.W.M.C.**, det. A. Newton.

211/11/a. *RUBUS ANGLOCANDICANS* A. Newton \*29. Cambs.: Gamlingay, GR 52.23.52. A. C. Leslie, 1977. **herb. A.C.L.**, det. A. Newton.

211/11/w. *RUBUS WIRRALENSIS* A. Newton \*73. Kirkcudbright: Burn Foot, GR 25/74.44. C.S.S.F. Field Meeting, 1977. **herb. O. M. Stewart**, det. A. Newton.

218/2. *AGRIMONIA ODORATA* (Gouan) Mill. \*79. Selkirk: Singliehill End, Ettrick, GR 36/36.21. Roadside verge. R. W. M. Corner, 1977. **herb. R.W.M.C.** 1st localized record.

223/1. *POTERIUM SANGUISORBA* L. 85. Fife: Angle park, Ladybank, GR 37/29.11. Side of railway. G. H. Ballantyne, 1976. field record. 1st record since 1919.

225/9c × 14. *ROSA CORIFOLIA* Fr. × *R. RUBIGINOSA* L. \*90. Forfar: Letham Grange railway station, 4½ miles N. of Arbroath, GR 37 63.45. U. K. Duncan, 1977. **K.** det. R. Melville.

225/17. *ROSA AGRESTIS* Savi \*27. E. Norfolk: Donkey Lane, Eaton, GR 63/20.06. E. T. Daniels, 1976. field record, conf. R. Melville.

225/17 × 8. *ROSA AGRESTIS* Savi × *R. CANINA* L. \*27. E. Norfolk: Donkey Lane, Eaton, GR 63/20.06. Chalk-pit. M. J. Wigginton, 1975. field record, det. R. Melville. 1976 material **herb. G. G. Graham**.

†227/2. *COTONEASTER SIMONSII* Bak. 73. Kirkcudbright: Grey Mare's Tail, GR 25/49.72. About ten plants. C.S.S.F. Field Meeting, 1977. field record. 2nd record.

235/1. *SEDUM ROSEA* (L.) Scop. 44. Carms.: Carreg Cennen Castle, GR 22 66.19. Wall. Sir J. Holland, 1977. field record. 2nd record. (*Nature Wales*, 16: 61 (1978)).

235/10. *SEDUM FORSTERANUM* Sm. †\*85. Fife: Kirkforthar. 1 mile S. of Freuchie, GR 37/28.04. Side of railway, well naturalized. G. H. Ballantyne, 1977. field record.

235/12. *SEDUM VILLOSUM* L. 93. N. Aberdeen: Buck of Cabrach, GR 38 42.24. D. Welch, 1968. field record. 1st post-1930 record.

239/2. *SAXIFRAGA STELLARIS* L. \*93. N. Aberdeen: Buck of Cabrach, GR 38 41.23. D. Welch, 1977. **ABD.**

242/1. *CHRYSOPLENIUM OPPOSITIFOLIUM* L. \*29. Cambs.: Woodbury, Beds., GR 52/2.5. J. G. & C. M. Dony, 1977. field record.

254/3 × 5. *EPILOBIUM MONTANUM* L. × *E. ROSEUM* Schreb. \*29. Cambs.: Bateman St, Cambridge, GR 52/45.57. Both parents present. A. C. Leslie, 1977. **herb. A.C.L.**

†254/6. *EPILOBIUM ADENOCALON* Hausskn. \*78. Selkirk: Ettrick Water, Selkirk, GR 36/46.28. C. W. Muirhead, 1975. **herb. C.W.M.**

†254.6 × 3. *EPILOBIUM ADENOCALON* Hausskn. × *E. MONTANUM* L. 29. Cambs.: Hayley Wood, GR 52/29.53. Old railway track. A. C. Leslie & R. I. S. Brettell, 1977. **herb. A.C.L.** 2nd record. \*73. Kirkcudbright: Grey Mare's Tail, GR 25 49.72. With both parents. C.S.S.F. Field Meeting, 1977, E.

254/7. *EPILOBIUM ADNATUM* Griseb. \*99. Dunbarton: Linns, Cove, GR 26/22.82. Garden weed. A. McG. Stirling, 1977. field record.

254/9 × 5. *EPILOBIUM OBSCURUM* Schreb. × *E. ROSEUM* Schreb. \*62. N. E. Yorks.: Robin Hood's Bay, GR 45/95.05. E. Chicken, 1975. **herb. E.C.**, det. T. D. Pennington.

262.3. *CALLITRICHE OBTUSANGULA* Le Gall \*69. Westmorland: Helton Tarn, Winster valley, GR 34/41.84. R. Stokoe, 1977. **herb. R.S.**, det. P. M. Benoit. \*70. Cumberland: Monkhill, GR

35/33.58. Longtown. GR 35 36.68. 2nd record. Both records R. S. Stokoe, 1977. **herb. R.S.**, det. P. M. Benoit. New northern limit in Europe.

262/5. *CALLITRICHE HERMAPHRODITICA* L. \*70. Cumberland: Moorthwaite Lough. Wigton. GR 35 29.48. G. Halliday, 1976. **LANC.** 1st definite record. Thurstonfield Lough. GR 35 32.56. R. Stokoe, 1977. **LANC.** det. P. M. Benoit. 2nd record.

267 1. *CHAMAEPERICLYMENUM SUECICUM* (L.) Aschers. & Graebn. \*93. N. Aberdeen: Buck of Cabrach. GR 38 41.24. D. Welch, 1977. **ABD.**

285 1. *APIUM GRAVEOLENS* L. 67. S. Northumb.: N. bank of R. Tyne near Heddon. Gr 45/14.65. G. A. Swan, 1977. **herb. G.A.S.** 1st record since 1911. 68. Cheviot: Long Nanny near Tughall Mill. GR 46 22.27. G. A. & M. Swan, 1959. field record. 1st record since 1914.

285 2. *APIUM NODIFLORUM* (L.) Lag. 85. Fife: Clatto Reservoir. GR 37 36.07. G. H. Ballantyne, 1972. field record. 1st record for 100 years.

285/4. *APIUM INUNDATUM* (L.) Reichb. f. 85. Fife: Culross Moor. GR 36/96.87. G. H. Ballantyne, 1972. field record. 1st record for 100 years.

288 1. *CICUTA VIROSA* L. 85. Fife: Otterston Loch. Aberdour. GR 36 16.85. G. H. Ballantyne, 1969. field record. 1st record since 1903.

291. 1. *CARUM VERTICILLATUM* (L.) Koch 43. Radnor: between Llanyre and Cross Gates. GR 32/06.64. R. G. Woods, 1977. field record. 2nd record. (*Nature Wales*, 16: 59 (1978)).

300 1. *OFNANTHE FISTULOSA* L. 85. Fife: Newburgh. GR 37 22.18. Near shore of Firth of Tay. G. H. Ballantyne, 1976. field record. 1st localized record for 200 years.

304 1. *MEUM ATHAMANTICUM* Jacq. 85. Fife: Gallandarea. 4 miles W. of Milnathort. GR 37.05.04. Pasture-land. G. H. Ballantyne, 1975. field record. 1st record since 1876.

†319 15. *EUPHORBIA ESCULA* L. \*99. Dunbarton: Duchess Woods. Helensburgh. GR 26 28.83. A. Rutherford, 1977. field record.

320 11. *POLYGONUM NODOSUM* Pers. \*73. Kirkcudbright: Balmae. GR 25 68.44. C.S.S.F. Field Meeting, 1977. field record.

320 14. *POLYGONUM MINUS* Huds. \*99. Dunbarton: shore of Loch Lomond near Tarbet. GR 27/3.0. J. H. Penson, 1966. field record. Shore of Loch Lomond near Ross Priory. GR 26 41.87. A. McG. Stirling, 1977. E. 1st and 2nd records.

†320 20. *POLYGONUM SACHALINENSE* F. Schmidt \*67. S. Northumb.: How Dene, near Wylam. GR 45 10.65. G. A. & M. Swan, 1977. **herb. G.A.S.** \*74. Wigtown: Castle Kennedy estate. GR 25 11.60. C.S.S.F. Field Meeting, 1977. field record. \*79. Selkirk: Glenkinnon Burn, below Peel Hospital. GR 36 43.34. Well established colony. R. W. M. Corner, 1977. field record. \*80. Roxburgh: east end of policies of Monteviot House. GR 36 65.24. Well established colony. C.S.S.F. Field Meeting, 1977. field record.

†320 21. *POLYGONUM POLYSTACHYUM* Wall. ex Meisn. \*74. Wigtown: Newton Stewart. GR 25/41.65. Builder's yard. Castle Kennedy. GR 25 11.60. Woodland edge. 2nd record. Both records C.S.S.F. Field Meeting, 1977. field record.

†320/22. *POLYGONUM CAMPANULATUM* Hook. f. \*49. Caerns.: Belan, Morfa Dinlle. GR 23/44.58. Hedgerow. L. J. Larsen, 1977. **NMW.** (*Nature Wales*, 16: 65 (1978)). 73. Kirkcudbright: Shambellie. GR 25 96.66. Well naturalized, known for over 25 years. O. M. Stewart, 1976. field record. 2nd record.

325 8. *RUMEX LONGIFOLIUS* DC. \*79. Selkirk: Tweedside above Gala Foot. GR 36/50.34. Riverside. C.S.S.F. Field Meeting, 1977. **herb. R. W. M. Corner.** 1st localized record.

343 13 × 16. *SALIX AURITA* L. × *S. REPENS* L. 106. E. Ross: near Garbat, by Garve. GR 28 41.67. U. K. Duncan, 1977. **herb. U.K.D.**, det. R. D. Meikle. 1st record since 1890.

343/20. *SALIX MYRSINITES* L. \*99. Dunbarton: Creag an Leinibh, Glen Luss, GR 26 31.92. Rock ledge on calcareous schist. A. McG. Stirling, 1977. E. 1st definite record.

343.21. *SALIX HERBACEA* L. 93. N. Aberdeen: Buck of Cabrach, GR 38 41.23. Dwarfed Callunetum at 2300 ft. D. Welch, 1977. **ABD**. 1st record since 1860; from the only locality.

346/1. *LOISELEURIA PROCUMBENS* (L.) Desv. 99. Dunbarton: near Stob na Coinnich Bhacain, N. E. of Ben Vorlich, GR 27 30.15. A. McG. Stirling, 1977. field record. 2nd record.

350/1. *ANDROMEDA POLIFOLIA* L. 44. Carms.: Llanllwch, GR 23 36.18. Peat bog. S. B. Evans & M. J. Dunn, 1977. field record. 2nd localized record. (*Nature Wales*, 16: 61 (1978)).

354/1. *ARCTOSTAPHYLOS UVA-URSI* (L.) Spreng. \*93. N. Aberdeen: Turf Hill, GR 38 45.26. Heather moor. D. Welch, 1977. **ABD**. \*99. Dunbarton:  $\frac{1}{2}$  mile S. E. of Lochan Beinn Damhain, near Ardlui, GR 27 29.16. A. McG. Stirling, 1976. E.

358/1. *VACCINIUM VITIS-IDAEA* L. \*93. N. Aberdeen: Turf Hill, GR 38 45.26. Heather moor. D. Welch, 1977. **ABD**.

364/2. *EMPETRUM HERMAPHRODITUM* Hagerup \*93. N. Aberdeen: Buck of Cabrach, GR 38 41.23. Among rocks at 2350 ft. D. Welch, 1977. **ABD**.

370/3. *LYSIMACHIA VULGARIS* L. \*80. Roxburgh: Bewlie Moss, 2 miles E. of Lilliesleaf, GR 36 56.25. Fen. M. E. Braithwaite, 1976. **herb. R. W. M. Corner**. 1st localized record. †\*93, N. Aberdeen: West Crichtie, GR 38 97.43. Roadside. D. Welch, 1976. **ABD**.

372/4. *ANAGALLIS MINIMA* (L.) E. H. L. Krause 73. Kirkcudbright: Gatehouse of Fleet station, GR 25 54.62. C.S.S.F. Field Meeting, 1977. field record. 2nd record. 74. Wigtown: White Loch, Castle Kennedy, GR 25 10.60. C.S.S.F. Field Meeting, 1977. field record. 1st post-1930 record. 99. Dunbarton: south side of Carman Muir, Cardross, GR 26 36.78. A. McG. Stirling, 1976. field record. 2nd record.

†392/2. *SYMPHYTUM ASPERUM* Lepech. \*28. W. Norfolk: Hargham, GR 52 02.91. Churchyard. P. G. Lawson, 1974. field record. conf. E. L. Swann.

†395/1. *PENTAGLOTTIS SEMPERVIRENS* (L.) Tausch \*93. Aberdeen: Brae of Scurdargue, GR 38 47.28. D. Welch, 1977. **ABD**.

399/1. *PULMONARIA LONGIFOLIA* (Bast.) Bor. †\*85. Fife: Balbirnie Estate, Markinch, GR 37 29.02. Copse. G. H. Ballantyne, 1977. field record. Well naturalized.

405/1. *CONVOLVULUS ARVENSIS* L. 74. Wigtown: White Loch, Castle Kennedy, GR 25 10.61. Roadside. C.S.S.F. Field Meeting, 1977. field record. 1st post-1930 record.

†406/3. *CALYSTEGIA SILVATICA* (Kit.) Griseb. 74. Wigtown: White Loch, Castle Kennedy, GR 25 10.61. C.S.S.F. Field Meeting, 1977. field record. 1st post-1930 record.

406/4. *CALYSTEGIA SOLDANELLA* (L.) R. Br. \*68. Cheviot: near Scremerston, GR 46 02.48. A. T. Blair & M. Tulloh, 1975. **herb. G. A. Swan**. Near Warkworth, GR 46 26.05. W. A. Clark, 1977. **herb. G.A.S.** 2nd record.

416/4 × 1. *VERBASCUM LYCHNITIS* L. × *V. THAPSUS* L. †\*46. Cards.: Felin-y-mor, 1 km S. of Aberystwyth, GR 22 58.80. Disused railway line. A. O. Chater, 1977. **NMW**, det. I. K. Ferguson. (*Nature Wales*, 16: 63 (1978)).

†420/2. *LINARIA PURPUREA* (L.) Mill. 74. Wigtown: Castle Kennedy, GR 25 11.60. Old walls. C.S.S.F. Field Meeting, 1977. field record. 1st post-1930 record. \*89. E. Perth: Pitlochry station yard, GR 27 93.58. A. McG. Stirling, 1971. field record.

420/3. *LINARIA REPENS* (L.) Mill. \*74. Wigtown: Barsalloch Point, Monreith, Machars Peninsula, GR 25 34.41. Shingle by sea. P. F. Yeo, 1974. **CGE**.

†425/1 × 2. *MIMULUS GUTTATUS* DC. × *M. LUTEUS* L. \*99. Dunbarton: near Gavinburn Farm, Old Kilpatrick, GR 26 45.73. A. McG. Stirling, 1972. field record.

427/1. *SIBTHORPIA EUROPAEA* L.     **46**. Cards.: Bangor Teifi. GR 22 3.3. A. O. Chater, 1977, **NMW**. 1st post-1930 record. (*Nature Wales*, **16**: 63 (1978)).

†428/1. *ERINUS ALPINUS* L.     **\*74**. Wigtown: Castle Kennedy. GR 25.11.60. Old walls. C.S.S.F. Field Meeting, 1977, field record.

430/6. *VERONICA MONTANA* L.     **93**. N. Aberdeen: Den of Auchmedden. GR 38 85.65. J. G. Roger, 1954. **ABD**. 1st post-1930 record.

†430/14. *VERONICA PEREGRINA* L.     **\*74**. Wigtown: Douglas Ewart School. Newton Stewart, GR 25/40.65. Garden. C.S.S.F. Field Meeting, 1977, field record, conf. A. J. Silverside.

†430/24. *VERONICA FILIFORMIS* Sm.     **\*93**. N. Aberdeen: Laithers. GR 38 67.47. D. Welch, 1977, **ABD**.

435/1/1. *EUPHRASIA MICRANTHA* Reichb.     **\*85**. Fife: by Stronachie Reservoir, 4 miles N.W. of Milnathort, GR 37 06.08. G. H. Ballantyne, 1974, **herb. G.H.B.**, det. P. F. Yeo.

435/1/2. *EUPHRASIA SCOTTICA* Wettst.     **\*74**. Wigtown: 2½ miles S. of Newton Stewart. GR 25 39.60. P. F. Yeo, 1974, **herb. P.F.Y.**

435/1/4. *EUPHRASIA FRIGIDA* Pugsl.     **\*99**. Dunbarton: Ben Vorlich, GR 27/2.1. R. Mackechnie, 1957, field record.

435/1/13. *EUPHRASIA NEMOROSA* (Pers.) Wallr.     **74**. Wigtown: Barvennan Moss, S. W. of Newton Stewart, GR 25 38.60. P. F. Yeo, 1974, **herb. P.F.Y.** 1st post-1930 record.

439/1. *LATHRAEA SQUAMARIA* L.     **\*48**. Merioneth: Carrog, near Corwen, GR 33/1.4. P. M. Benoit, 1977, field record. 1st record of native occurrence.

440/2. *OROBANCHE PURPUREA* Jacq.     **\*12**. N. Hants.: Stoke, near St Mary Bourne, GR 41/40.51. Paddock. P. J. Chandler, 1976, **herb. A. Brewis**, det. S. A. Brewis.

440/8. *OROBANCHE MINOR* Sm.     **\*99**. Dunbarton: between Old Kilpatrick and Bowling, GR 26/45.73. Disused railway track. J. H. Penson, 1964, **E**.

480/2. *LOBELIA DORTMANNA* L.     **85**. Fife: Dow and Lurg Lochs, Cleish Hills, GR 36/09.96. G. H. Ballantyne, 1975, field record. 1st record since 1905.

485/2. *GALIUM BOREALE* L.     **85**. Fife: Bishop Hill. GR 37 18.04. G. H. Ballantyne, 1972, field record. 1st record since 1872.

485/3 × 4. *GALIUM MOLLUGO* L. × *G. VERUM* L.     **\*67**. S. Northumb.: near the Eals, N. Tyne, GR 35/75.85. G. A. & M. Swan, 1963, **herb. G.A.S.**, det. F. H. Perring.     **\*74**. Wigtown: near Spittal, GR 25/37.57. C.S.S.F. Field Meeting, 1977, **E**.

†492/1. *LEYCESTERIA FORMOSA* Wall.     **\*46**. Cardigan: between Moriah and Nanteos, GR 22 62.78. Scrub. A. O. Chater, 1976, field record. (*Nature Wales*, **16**: 63 (1978)).

†502/3. *BIDENS FRONDOSA* L.     **35**. Mon.: Pontnewydd near Cwmbran. GR 31 2.9. Canal bank. D. Moore, 1977, **NMW**, det. A. E. Wade. 2nd record. (*Nature Wales*, **16**: 57 (1978)).

506/2 × 1. *SENECIO AQUATICUS* Hill × *S. JACOBAEA* L.     **29**. Cambs.: Cambridge, GR 52/44.57. Ditchbank by R. Cam. A. C. Leslie & A. M. Smith, 1977, **herb. A.C.L.**, conf. P. D. Sell, 2nd record.

†506/4 × 8. *SENECIO SQUALIDUS* L. × *S. VULGARIS* L.     **\*29**. Cambs.: Bourn, GR 52/33.55. Old railway track. R. I. S. Brettell & A. C. Leslie, 1977, **CGE**.  $2n = 30$ . 1st natural occurrence of the hybrid.

†506/18 × 1. *SENECIO CINERARIA* DC. × *S. JACOBAEA* L.     **\*48**. Merioneth: Cambrian Road, Tywyn, GR 23/5.0. D. E. M. Paish & K. M. Stevens, 1975, field record, conf. P. M. Benoit. Llwyngwriil, GR 23/5.0. K. M. Stevens, 1975, **NMW**, conf. P. M. Benoit. 1st and 2nd records.

509/1. *PETASITES HYBRIDUS* (L.) Gaertn., Mey. & Scherb.     **89**, **E**. Perth: S. bank of R. Dean, GR 37 30.45. R. B. Robb, 1975, field record. 1st record of female plant.



†509/3. *PETASITES JAPONICUS* (Sieb. & Zucc.) F. Schmidt \*85. Fife: Pitcarlie Estate, 2 miles S. of Newburgh. GR 37.23.15. Parkland, well established. G. H. Ballantyne, 1976, field record.

515/1. *GNAPHALIUM SYLVATICUM* L. \*45. Pems.: Poppit sands, St Dogmaels. GR 22.15.48. V. Gordon, 1955, field record. 1st localized record. (*Nature Wales*, 16: 62 (1978)).

535/7. *ARTEMISIA MARITIMA* L. 85. Fife: Fife Ness, GR 36 63.09. G. H. Ballantyne, 1976, field record. 1st record since 1905.

540/8. *CIRSIUM DISSECTUM* (L.) Hill 57. Derbys.: Willington Junction, GR 43 30.29. A. Willmot, 1977, **DBY**. 1st post-1930 record.

540/8×3. *CIRSIUM DISSECTUM* (L.) Hill × *C. PALUSTRE* (L.) Scop. 29. Cambs.: Wicken Fen, GR 52/55.70. A. C. Leslie & R. I. S. Brettell, 1977, field record. 2nd record and 1st since 1840.

†541/1. *SILYBUM MARIANUM* (L.) Gaertn. 73. Kirkcudbright: Creetown, GR 25.47.58. C.S.S.F. Field Meeting, 1977, field record. Rediscovered at site of 1st and only record (1905).

544/3. *CENTAUREA CYANUS* L. 74. Wigtown: Cruggleton, GR 25.48.43. Cliff-top field. H. A. Lang, 1977, field record. 1st post-1930 record.

544/8. *CENTAUREA ASPERA* L. \*\*44. Carms.: Pembrey Country Park, GR 22 39.00. Grassy bank on old dunes. Mr & Mrs S. Powell, 1977, **NMW**. (*Nature Wales*, 16: 61 (1978)).

†547/2. *LAPSANA INTERMEDIA* Bieb. \*49. Caerns.: Gt Orme's Head, GR 23 76.82. Limestone grassland. R. J. Pankhurst, 1977, **BM**, det. P. D. Sell. (*Nature Wales*, 16: 65 (1978)).

555/1. *MYCELIS MURALIS* (L.) Dumort. \*79. Selkirk: Eldinhope Linn, Yarrow, GR 36 30.23. Rocky bank. R. W. M. Corner, 1976, field record.

552/1b. *TRAGOPOGON PRATENSIS* L. subsp. *MINOR* (Mill.) Wahlenb. 73. Kirkcudbright: S. of Castle Douglas, GR 25 77.60. O. M. Stewart, 1977, field record. 2nd record. \*74, Wigtown: Monreith Bay, GR 25/35.41. C.S.S.F. Field Meeting, 1977, field record.

558/1/94. *HIERACIUM DURICEPS* F. J. Hanb. \*85. Kinross: Warroch area, 3 miles N. of Crook of Devon, GR 37.04.05. G. H. Ballantyne, 1974, **herb. G.H.B.**, det. A. McG. Stirling.

558/1/139. *HIERACIUM RUBIGINOSUM* F. J. Hanb. \*54. N. Lincs.: Broughton, Humberside, GR 44/96.10. Limestone quarry. B. N. K. Davis, 1976, **herb. Monks Wood Exptl St.**, det. P. D. Sell.

558/1/140. *HIERACIUM DECOLOR* (W. R. Linton) A. Ley \*66. Durham: Wynch Bridge, Teesdale, GR 35/90.27. G. G. Graham, 1976, **SUN**, det. J. N. Mills.

588/1/156. *HIERACIUM RECTULUM* A. Ley \*46. Cards.: Allt Pantygourych, 1.5 km N.E. of Llangeitho, GR 22.62.61. Rocks in oakwood. A. O. Chater, 1977, **NMW**, det. P. D. Sell. (*Nature Wales*, 16: 63 (1978)).

558/1/162. *HIERACIUM CHERIENSE* Jord. ex Bor. \*\*29. Cambs.: Cambridge University Botanic Garden, GR 52/45.57. P. D. Sell, 1950, **CGE**.

†558/2/8. *HIERACIUM BRUNNEOCROCEUM* Pugsl. \*74. Wigtown: Wigtown, GR 25/43.55. Old railway. P. Adam, 1974, **herb. P.A.**, det. P. D. Sell.

559/4. *CREPIS MOLLIS* (Jacq.) Aschers. 90. Forfar: Caenlochan Glen, GR 37.18.77. J. M. Mullin & R. J. Pankhurst, 1977, **BM**, det. J. B. Marshall. 1st record since 1850.

560/3. *TARAXACUM LACISTOPHYLLUM* (Dahlst.) Raunk. \*48, Merioneth \*91, Kincardine

560/4. *TARAXACUM RUBICUNDUM* (Dahlst.) Dahlst. \*61, S.E. Yorks.

560/15. *TARAXACUM FULVUM* Raunk. \*91, Kincardine

560/20. *TARAXACUM PROXIMUM* (Dahlst.) Dahlst. \*17, Surrey

560/21. *TARAXACUM SIMILE* Raunk. \*91, Kincardine

- 560/25. *TARAXACUM POLYODON* Dahlst. \*91. Kincardine
- 560/33. *TARAXACUM UNGUILOBUM* Dahlst. \*91. Kincardine
- 560/36. *TARAXACUM FAEROENSE* (Dahlst.) Dahlst. \*91, Kincardine
- 560/37. *TARAXACUM SPECTABILE* Dahlst. \*48. Merioneth
- 560/42. *TARAXACUM EURYPHYLLUM* (Dahlst.) M. P. Chr. \*91. Kincardine
- 560/44. *TARAXACUM PRAESTANS* H. Lindb. f. \*61. S.E. Yorks.
- 560/46. *TARAXACUM NAEVOSIFORME* Dahlst. \*72. Dumfries \*91, Kincardine
- 560/50. *TARAXACUM NAEVOSUM* Dahlst. \*91. Kincardine
- 560/64. *TARAXACUM ADAMII* Claire \*48. Merioneth
- 560/67. *TARAXACUM SUBCYANOLEPIS* M. P. Chr. \*17. Surrey \*91. Kincardine
- 560/69. *TARAXACUM SELLANDII* Dahlst. \*91. Kincardine
- 560/71. *TARAXACUM SUBLACINIOSUM* Dahlst. & H. Lindb. f. \*46. Cards. \*70. Cumberland
- 560/75. *TARAXACUM PANNUCIUM* Dahlst. \*17. Surrey \*46. Cards. \*91. Kincardine
- 560/77. *TARAXACUM PALLESCENS* Dahlst. \*12. N. Hants.
- 560/84. *TARAXACUM INSIGNE* Raunk. \*91. Kincardine
- 560/86. *TARAXACUM SUBLAETICOLOR* Dahlst. \*12. N. Hants.
- 560/90. *TARAXACUM SPILOPHYLLUM* Dahlst. \*61. S.E. Yorks. \*70. Cumberland
- 560/92. *TARAXACUM CHERWELLEENSE* A. J. Richards \*12. N. Hants.
- +560/98. *TARAXACUM PECTINATIFORME* H. Lindb. f. \*12. N. Hants.
- 560/112. *TARAXACUM CHRISTIANSENII* Hagl. \*70. Cumberland
- 560/113. *TARAXACUM BRACTEATUM* Dahlst. \*12. N. Hants.
- 560/114. *TARAXACUM HAMATUM* Raunk. \*48. Merioneth \*70. Cumberland \*91. Kincardine
- 560/115. *TARAXACUM HAMATIFORME* Dahlst. \*91. Kincardine
- 560/116. *TARAXACUM MARKLUNDII* Palmgr. \*46. Cards.
- 560/117. *TARAXACUM LATISECTUM* H. Lindb. f. \*17. Surrey
- 560/121. *TARAXACUM RAUNKIAERI* Wiinst. \*91. Kincardine
- 570/3. *ELODEA NUTTALLII* (Planch.) St John \*57. Derbys.: River Hipper, Somersall Park, Chesterfield, GR 43 35.70. J. G. Hodgson, 1976, field record. Melbourne pool, GR 43/38.24. A. Wilmot, 1977, field record. 2nd record. \*69. Westmorland: S.E. side of Coniston Water, GR 34/29.91. C. D. Pigott, 1976. **LANC.** Brothers Water, GR 35 40.12. R. Stokoe, 1977, **herb. R.S.** 2nd of several records. \*70. Cumberland: N. end of Derwentwater, Keswick, GR 35/25.23. S. end of Bassenthwaite Lake, GR 35.22.27. 2nd record. Both records R. Stokoe, 1977, **herb. R.S.**
- 576/1. *ZOSTERA MARINA* L. \*74, Wigton: S.E. end of Loch Ryan, GR 25/08.61. C.S.S.F. Field Meeting, 1977, field record. det. T. G. Tutin.
- 576/2. *ZOSTERA ANGUSTIFOLIA* (Hornem.) Reichb. \*61, S.E. Yorks.: Spurn, GR 54/4.1. B. Pashby, 1977, **herb. F. E. Crackles.**
- 577/5. *POTAMOGETON LUCENS* L. \*99, Dunbarton: Forth and Clyde Canal, Old Kilpatrick, GR 26 45.73. A. McG. Stirling, 1970, field record. Forth and Clyde Canal, Bowling, GR 26/45.73. C.J. Raymond, 1976, **E.** det. A. J. Silverside & A. C. Jermy, 2nd record.

577/7 × 19. POTAMOGETON ALPINUS Balb. × P. CRISPUS L. \*79. Selkirk: N. bank of R. Tweed at Holylee, Inner Leithen, GR 36 39.37. N. T. H. Holmes, 1971. **BM**, det. J. E. Dandy.

577/11. POTAMOGETON FRIESII Rupr. 73. Kirkcudbright: Loch Milton, GR 25/83.71. R. C. L. Howitt, 1977. **E**, 2nd record. \*99. Dunbarton: Forth and Clyde Canal between Clydebank and Dalmuir, GR 26/49.70. A. J. Silverside, 1975. field record.

577/16. POTAMOGETON TRICHOIDES Cham. & Schlecht. \*99. Dunbarton: Forth and Clyde Canal at Temple Bridge, Glasgow, GR 26/54.69. C. J. Raymond & A. Aird, 1976. **E**, det. A. J. Silverside & A. C. Jermy.

577/19 × 16. POTAMOGETON CRISPUS L. × P. TRICHOIDES Cham. & Schlecht. \*99. Dunbarton: Forth and Clyde Canal, Garscadden, Glasgow, GR 26 52.69. C. J. Raymond, 1976. **E**, det. A. J. Silverside & A. C. Jermy.

577/20. POTAMOGETON FILIFORMIS Pers. \*80. Roxburgh: Essenside Loch, Ashkirk, GR 36/45.20. R. W. M. Corner, 1976. **BM**, det. A. C. Jermy.

†593/1. LILIUM MARTAGON L. \*47. Montgomery: Lower Garth near Guilsfield, GR 33/21.10. Naturalized in wood. V. J. Macnair, 1950's, field record.

†593/2. LILIUM PYRENAICUM Gouan \*47. Montgomery: near Llyn Mawr, Caersws, GR 33/0.9. Ditch. V. J. Macnair, 1950's, field record. Near Llangynnew, GR 33 12.09. Hedgebank. V. J. Macnair, 1950's, field record. 1st and 2nd records.

605/26. JUNCUS TRIGLUMIS L. \*85. Fife: Carmodle, Ochil Hills, GR 37.03.05. G. H. Ballantyne, 1974. field record. 1st definite record.

605/f. JUNCUS FOLIOSUS Desf. \*2. E. Cornwall: Pentire Peninsula, GR 10 93.79. L. J. Margetts, 1977. **herb. L.J.M.**

†606/4. LUZULA LUZULOIDES (Lam.) Dandy & Wilmott \*79. Selkirk: near upper loch, Bowhill, Selkirk, GR 36/43.27. Sides of path in woodland. C.S.S.F. Field Meeting, 1977. **herb. R. W. M. Corner**. \*80. Roxburgh: Perch Pond Wood, 2 miles N. E. of Ancrum, GR 36/64.26. Oak forest. C. S. S. F. Field Meeting, 1977. **herb. R. W. M. Corner**.

607/5. ALLIUM VINEALE L. 89. E. Perth: Pitlochry station yard, GR 27/93.58. A. McG. Stirling, 1971. field record. 2nd record.

†607/9b. ALLIUM ROSEUM L. subsp. BULBIFERUM (DC.) E. F. Warb. \*46. Cards.: Henfynyw Churchyard, GR 22/44.61. Naturalized in abundance. A. O. Chater, 1977. **NMW**. (*Nature Wales*, 16: 64 (1978)).

611/2. LEUCOJUM AESTIVUM L. †\*86. Stirling: near confluence of Burn of Mar and R. Endrick, GR 26/43.88. J. Mitchell, 1977. **E**.

625/1. EPIACTIS PALUSTRIS (L.) Crantz 51. Flint: Connah's Quay, GR 33 29.69. Waste ground. V. Gordon, 1975. field record. 1st post-1930 record.

631/1. HAMMARBYA PALUDOSA (L.) Kuntze \*46. Cardigan: Cwm Ystwyth, GR 22/8.7. A. O. Chater, 1977. field record. (*Nature Wales*, 16: 64 (1978)).

643/1 × 7. DACTYLORHIZA FUCHSII (Druce) Soó × D. TRAUNSTEINERI (Sauter) Soó \*49. Caerns.: near Edern, GR 23/28.39. With both parents in a base-rich fen. R. H. Roberts & S. D. Ward, 1976. field record. (*Nature Wales*, 16: 66 (1978)).

643/2 × 636/1. DACTYLORHIZA MACULATA (L.) Soó × GYMNADENIA CONOPSEA (L.) R. Br. \*73. Kirkcudbright: Dromore, GR 25.54.63. With both parents. C.S.S.F. Field Meeting, 1977, **E**.

643/3b. DACTYLORHIZA INCARNATA (L.) Soó subsp. PULCHELLA (Druce) Soó \*2. E. Cornwall: Retire Common, GR 20/0.6. Heathland. L. J. Margetts, 1977. field record, det. R. H. Roberts.

643/6c. DACTYLORHIZA MAJALIS (Reichb.) Hunf & Summerhayes subsp. CAMBRENSIS R. H.

Roberts. **52.** Anglesey: Cob Pool, Malltraeth. GR 23.41.68. Base-rich marsh. R. Arthur, 1976, field record, det. R. H. Roberts. 2nd record. (*Nature Wales*, **16**: 68 (1978)).

645/1. *ANACAMPTIS PYRAMIDALIS* (L.) Rich. **73.** Kirkcudbright: Abbey Burn Foot, GR 25/74.44. C.S.S.F. Field Meeting, 1977, field record. 1st record since 1882.

†646/1. *ACORUS CALAMUS* L. \***69b.** Furness: Esthwaite Water, GR 34.35.96. R. Stokoe, 1977, **herb. R.S.** \***70.** Cumberland: Brigham, Cockermouth. GR 35.08.31. J. D. Hinde, 1949, field record. 1977 specimen **herb. R. Stokoe.** Hutton-in-the-Forest. GR 35.46.35. R. Stokoe, 1977, **herb. R.S.** 2nd record. \***74.** Wigton: Ardwell. GR 25.10.45. C.S.S.F. Field Meeting, 1977, field record.

649/2. *ARUM ITALICUM* Mill. \*†**48.** Merioneth: Mintford near Portmadoc. GR 23.59.38. R. H. Roberts, 1976, field record.

652/4. *SPARGANIUM MINIMUM* Wallr. **80.** Roxburgh: Kippielaw Moss, Hawick. GR 36.49.15. R. W. M. Corner, 1977, **herb. R.W.M.C.** 2nd record.

654/2. *ERIOPHORUM GRACILE* Roth \***41.** Glam.: near Swansea. GR 21.6.9. A. Lees, 1977, **NMW.** (*Nature Wales*, **16**: 58 (1978)).

662/1. *KOBRESIA SIMPLICIUSCULA* (Wahlenb.) Mackenzie **89.** E. Perth: near Ben Vuirich, GR 27.9.7. and 27.9.8. Calcareous flushes. B. S. Brookes & R. A. H. Smith, 1975, **herb. B.S.B.**, det. R. Mackechnie. 2nd record. 2 localities.

663/1. *CAREX LAEVIGATA* Sm. **43.** Radnor: Llananno, GR 32.04.77. Boggy moorland. A. C. Powell, 1977, field record. Llandegley Rocks. GR 32.12.61. R. G. Woods, 1977, field record. 2nd and 3rd records. (*Nature Wales*, **16**: 59 (1978)).

663.3. *CAREX PUNCTATA* Gaudin \***46.** Cards.: Cardigan. GR 22.18.45. Alder carr. T. A. W. Davis, 1970, **NMW.** det. A. O. Chater & R. W. David. (*Nature Wales*, **16**: 64 (1978)).

663/4 × 7. *CAREX HOSTIANA* DC. × *C. LEPIDOCARPA* Tausch \***67.** S. Northumb.: Beldon Cleugh, GR 35.91.50. G. A. & M. Swan, 1972, **herb. G.A.S.**, det. A. C. Jermy. Caw Burn. GR 35.73.68. C. M. Wilson, 1977, **herb. G.A.S.**, conf. A.C.J. 2nd record.

663/23. *CAREX STRIGOSA* Huds. \***47.** Montgomery: near Abermule, GR 32.1.9. Wooded roadside. P. M. Benoit, 1977, **NMW.** (*Nature Wales*, **16**: 64 (1978)). \***60.** W. Lancs.: Broad Meadow Wood, Aighton, Bailey and Chaigley, GR 34.69.41. By stream. T. Blockeel, 1970, **LIV.** N. W. of Galgate, Lancaster, GR 34.47.55. In oakwood. G. Halliday, 1974, **LANC.** 2nd record.

663/28. *CAREX LIMOSA* L. **41.** Glam.: near Swansea. GR 21.6.9. Fen. A. Lees, 1977, **NMW.** conf. A. O. Chater. 1st record since 1804. (*Nature Wales*, **16**: 58 (1978)).

663/33. *CAREX LASIOCARPA* Ehrh. \***99.** Dunbarton: Geal Loch, Inverarnan, GR 27.31.16. A. McG. Stirling, 1976, **E.**

663/48. *CAREX AQUATHIS* Wahlenb. \***67.** S. Northumb.: River Irthing near Paddaburn, GR 35.65.76. G. A. & M. Swan, 1977, **herb. G.A.S.**, cont. A. C. Jermy.

663/52. *CAREX BIGELOWII* Torr. ex Schwein. **66.** Durham: Burnhope Seat, Burnhope Moor, GR 35.78.37. 2400 ft. R. W. M. Corner, 1977, field record. 2nd record.

663/54 × 71. *CAREX PANICULATA* L. × *C. REMOTA* L. \***57.** Derbys.: by Shirley Brook, GR 43.21.41. K. M. Hollick, 1977, **DBY.**

663/68 b. *CAREX MURICATA* L. subsp. *PAIRAEI* (F. W. Schultz) Čelak. \***82.** Haddington: North Berwick Law, GR 36.55.84. I. R. Bonner, 1974, field record, det. R. W. David.

663/69. *CAREX ELONGATA* L. **73.** Kirkcudbright: near Kenmure Castle, New Galloway, GR 25.63.76. J. Mitchell, 1976, **E.** 1st post-1930 record, rediscovered at original locality. Near Wood of Cree, Newton Stewart. GR 25.37.71. D.A. Ratcliffe, 1977, field record. 2nd record. \***86.** Stirling: near confluence of Burn of Mar and River Endrick. GR 26.43.88. J. Mitchell, 1977, **E.**

663/81. *CAREX DIOICA* L. \*41. Glam.: near Swansea. GR 21 6.9. Fen. A. Lees, 1977. **NMW**, conf. A. O. Chater. 1st post-1930 record. (*Nature Wales*, **16**: 58 (1978)).

669/1 × 2. *GLYCERIA FLUITANS* (L.) R. Br. × *G. Plicata* Fr. \*93. N. Aberdeen: West Crichtie. GR 38/97.43. D. Welch, 1976. **ABD**.

669/3. *GLYCERIA DECLINATA* Brèb. \*93. N. Aberdeen: Leslie. GR 38 60.24. D. Welch, 1976. **ABD**.

670/3 × 671. 1. *FESTUCA GIGANTEA* (L.) Vill. × *LOLIUM PERENNE* L. \*48. Merioneth: near Pennal. GR 22/7.9. P. M. Benoit, 1973. **NMW**, conf. C. E. Hubbard.

670/4. *FESTUCA ALTISSIMA* All. 47. Montgomery: between Machynlleth and Glandyfi. GR 22/7.9. Wooded glen. P. M. Benoit, 1974. field record. 1st post-1930 record. (*Nature Wales*, **16**: 64 (1978)). 73. Kirkcudbright: Glenlee Burn, Dalry. GR 25/60.81. A. McG. Stirling, 1960. field record. 1st post-1930 record.

670/6 × 672. 3. *FESTUCA RUBRA* L. × *VULPIA MYUROS* (L.) C. C. Gmel. \*28. W. Norfolk: Snettisham. GR 53/65.33. R. P. Libbey, 1974. **herb. R.P.L.**, det. C. A. Stace.

670/11. *FESTUCA LONGIFOLIA* Thuill. \*57. Derbys: Taddington by-pass. GR 43 13.71. J. G. Hodgson & S. R. Band, 1973. **K**, conf. C. E. Hubbard. Alport. GR 43 21.64. Roadside. J. G. Hodgson & S. R. Band, 1974. **K**, conf. C. E. Hubbard. 2nd record.

+671. 2 × 1. *LOLIUM MULTIFLORUM* Lam. × *L. PERENNE* L. \*29. Cambs.: Swaffham Prior. GR 52/56.63. New by-pass verge. A. C. Leslie, 1977. field record.

673. 2. *PUCCINELLIA DISTANS* (L.) Parl. \*74. Wigtown: Grange of Cree. GR 25/46.60. C.S.S.F. Field Meeting, 1977. field record.

676. 7. *POA GLAUCA* Vahl 87. W. Perth: Am Caisteal. Glen Falloch. GR 27/37.19. Rock ledge. H. McAllister, 1969. field record. 1st post-1930 record.

676/9. *POA COMPRESSA* L. 47. Montgomery: Dovey Junction. GR 22 6.9. Railway line. P. M. Benoit, 1975. field record. 2nd record.

676. 12. *POA SUBCAERULEA* Sm. 29. Cambs.: Gamlingay. GR 52 22.51. Damp meadow. A. C. Leslie, 1977. **herb. A.C.L.** Only extant locality.

677/1. *CATABROSA AQUATICA* (L.) Beauv. \*80. Roxburgh: Cavers. Hawick. GR 36/53.14. C. O. Badenoch & D. Wells, 1977. **herb. R. W. M. Corner**. 1st localized record.

+683/9. *BROMUS TECTORUM* L. \*57. Derbys.: Ashbourne, by the Clifton Road. GR 43/17.46. Re-seeded old railway land. K. Hollick, 1977. **DBY**, det. C. E. Hubbard.

683/10. × 13. *BROMUS HORDEACEUS* L. × *B. LEPIDUS* Holmberg \*57. Derbys.: Whitwell. GR 43/53.76. Raper Lodge near Alport. GR 43 21.65. 2nd record. Both records J. G. Hodgson, 1976. field record, conf. C. E. Hubbard. \*74. Wigtown: near Dirnow. GR 25 29.65. C.S.S.F. Field Meeting, 1977. **herb. A. J. Silverside**.

683.p. *BROMUS PSEUDOSECALINUS* P. Smith \*57. Derbys.: Wye Farm near Rowsley. GR 43/24.65. S. Band, Mrs Carr & J. G. Hodgson, 1974. field record. det. C. E. Hubbard. Near Hathersage. GR 43 21.81. S. Band & J. G. Hodgson, 1974. field record. det. C. E. Hubbard. 2nd record.

+687.j. *HORDEUM JUBATUM* L. \*74. Wigtown: Grange of Cree. GR 25 46.60. Reclaimed salt-marsh. C.S.S.F. Field Meeting, 1977. **herb. J. Martin**, det. H. J. M. Bowen.

693. 1. *HELICTOTRICHON PRATENSE* (L.) Pilg. \*93. N. Aberdeen: Hill of Towanreef. GR 38/46.14. Serpentine rocks. D. Welch, 1976. **ABD**. [\*93. N. Aberdeen: *Proc. Bot. Soc. Br. Isl.*, **5**: 143 (1963) locality is actually in v.c. 94]

693. 2. *HELICTOTRICHON PUBESCENS* (Huds.) Pilg. \*43. Radnor: Llanbadarn Fynydd. GR 32 09.78. Roadside bank and old hay meadows. Stanner rocks. GR 32 26.58. Grassland. Both records R. G. Woods, 1977. field record. 1st and 2nd records. (*Nature Wales*, **16**: 60 (1978)).

697/3. *AIRA CARYOPHYLLEA* L. subsp. *MULTICULMIS* (Dumort.) Aschers. & Graebn. \*1. W. Cornwall: Truro, GR 10.82.43. Old railway track. R. J. Pankhurst & J. M. Mullin, 1976. **BM**, det. A. Melderis. Portreath, GR 10.64.45. Cliff-top. L. J. Margetts, 1976. **herb. L.J.M.**, det. C. E. Hubbard. 2nd record. \*89. E. Perth: Killiecrankie, GR 27.91.62. M. McC. Webster, 1976. **E.**, conf. C. E. Hubbard.

700/1. *CALAMAGROSTIS EPIGLJOS* (L.) Roth \*48. Merioneth: Llangelynin, GR 23/5.0. P. M. Benoit, 1976. **NMW**. [\*48. Merioneth: *Watsonia*, 8: 311 (1971) and *Watsonia*, 9: 391 (1973) have been redetermined as *C. canescens*.]

700/2. *CALAMAGROSTIS CANESCENS* (Weber) Roth \*57. Derbys.: Whitwell Wood, GR 43.51.78. J. G. Hodgson, 1976, field record, conf. C. E. Hubbard. 1st record since 1901.

702/2. *APERA INTERRUPTA* (L.) Beauv. \*57. Derbys.: Shirebrook North Railway Station, GR 43/52.68. Disused railway siding. J. G. Hodgson, 1977, field record. 2nd record.

707/3. *PHLEUM ALPINUM* L. \*89. E. Perth: Glen Tarf, Atholl, GR 27.91.82. Wet flush. N. A. Sanderson, 1975, field record.

708/4. *ALOPECURUS AEQUALIS* Sobol. \*47. Montgomery: near Llansantffraid, GR 33/2.--. F. H. Perring, 1976, field record. (*Nature Wales*, 15: 149 (1977)).

708/4 × 3. *ALOPECURUS AEQUALIS* Sobol. × *A. GENICULATUS* L. \*48. Merioneth: Mochras, Llanbedr, GR 23.5.2. P. M. Benoit, 1972, **NMW**.

714.1. *PARAPHOLIS STRIGOSA* (Dumort.) C. E. Hubbard \*74. Wigtown: Cree estuary, GR 25.4.5. and 25/46.60. C.S.S.F. Field Meeting, 1977, field records. 1st two definite records.

716.a. *SPARTINA ANGLICA* C. E. Hubbard \*70. Cumberland: Ravenglass, GR 34.08.96. T. G. Tutin, 1975, field record. \*74. Wigtown: Baldoon Sands, Cree estuary, GR 25/44.52. P. Hopkins, 1977, field record.