

Flora of Connemara and the Burren - Records from 1984

MARY J. P. SCANNELL

Raglan Road, Ballsbridge, Dublin 4, Ireland.

MATTHEW H. P. JEBB

National Botanic Gardens, Glasnevin, Dublin 9, Ireland.

ABSTRACT: New distributional records for the *Flora of Connemara and the Burren* (1983) are given since the publication of the *Flora*. 66 additional species, sub-species and hybrids have been recorded, confirmed or reinstated to the *Flora*. On the basis of critical determinations a number of the *Rubus* and *Taraxacum* records have been withdrawn or altered. An additional 131 new, confirmed or reinstated district records have been made. Nomenclatural changes and notes on the ecology or taxonomy of species are also given.

INTRODUCTION (by M.J.P. Scannell)

The Burren is an extensive region of bare limestone pavement strewn with erratics (of granite), where alpine and Mediterranean species occur at sea-level; to the east there are many calcareous lakes and turloughs. Connemara is an area of igneous, metamorphic and sedimentary rock with lowlands abounding in lakes and bogs of acid character. Both areas are situated on the shore of the north Atlantic seaboard. They differ scenically and floristically but share the same climatic factors - wet mild Winters, low Summer temperature with high precipitation and humidity. Due to deep cloud cover the sun is frequently occluded which allows shade species to thrive in the open.

In 1801 Walter Wade ‘with much labour, and some difficulties’ made the first botanical survey of Connemara (Wade, 1802). This ‘pleasing task’ was undertaken at the instigation of the then Dublin Society, and the introduction to his paper not only conveys a palpable excitement, but also indicates how inspirational Wade found his tour (Figure 1).

When the *Flora* was in press a request was made to the publishers for two interleaved copies to assist further recording. Cambridge University Press generously forwarded two bound copies. One was retained in **DBN** to await expected further information, the second was donated to the Botany Department, University College Galway, a centre of active field work. Records received in **DBN** were entered by MS.

There are many post-1983 records and some are noteworthy. In 1987 Tom Curtis, Noel McGough and Edwin Wymer (1988), during work towards establishing which arable weeds merited Red List status, found Darnel, *Lolium temulentum* L. - the Tares of scripture - on each of the three isles of Aran, and Cornflower, *Centaurea cyanus*, on Inishmore. Both these species had not been seen in Ireland since 1970, and were assumed to be extinct.

In 1994 Tim Rich and friends found a flowering population of *Luronium natans* (L.) Raf. in Invermore Lough, previously only doubtful vegetative material was known from Ireland. The Galway plant reinstates *L. natans* in the Irish flora. There is a voucher specimen in **DBN**.

The Dutch botanist John Bruinsma collected *Callitriche palustris* L. at Coole Nature reserve in July of 1999, the first genuine record of this continental European species in the British Isles (Lansdown, 1998).

Fig.1. The foreword to Walter Wade's *Catalogus plantarum rariorum in comitatu Gallovidiae, praecipue Cunnamara inventarum* published in the *Transactions of the Dublin Society* in 1802.

In 1731 the Dublin (later Royal) Society was founded for the purpose of 'improving husbandry, manufactures and other useful Arts', Science was added later. Walter Wade, M.D. (c.1760 – 1825) was appointed professor of Botany to the Society in 1796, following the publication of a paper on the flora of county Dublin. As Ireland's leading botanist of the time, he was chiefly responsible, along with John Foster, for the establishment of the Botanic Gardens at Glasnevin.

The most remarkable discovery was made in 1988 by three Somerset botanists, Paul and Ian Green and Geraldine Crouch, of *Haloragis micrantha* (Thunb.) R.Br. ex Siebold & Zucc. – an Australasian species. The plant was noted growing in mats on a track used by turf-cutters on the south side of L. Bola in the Carna-Glinsk peninsula. It was growing with *Juncus planifolius* R.Br., an alien also native to Australia found in abundance in 1971 in the same peninsula and considered introduced through the activities of man. The area is considered by some to be ‘remote’, but it should be borne in mind that at the turn of the century a pioneer forestry experiment was initiated at Knockboy (north of L. Bola), ‘...some hundreds of acres were planted ... with a remarkable diversity of species’ (McEvoy, 1954). Maps produced at the turn of the century (O.S. One Inch Sheet 104, 1904) show an area of well over three square kilometres of woodland planted to the South and East of Knockboy. Nearly 2½ million trees of 26 species of hardwoods and softwoods were planted between 1891 and 1894 (Niall O Carroll pers. comm. 28/09/1999). A visit in 1999 (M. Jebb pers. comm.) revealed that the plantation at Knockboy still has a remarkable diversity of trees, including *Abies grandis*, *Cupressus macrocarpa*, and *Pinus pinaster*. This activity may have had some bearing on the presence of such alien species in north-west Europe. Further research is needed to interpret the occurrence of two non-native plants far from the source of their origin.

Many botanists contributed their records to the inter-leaved copy and credit is given to the recorders throughout the paper. Three contributors stand out, each of whom communicated directly with the herbarium. Tim Robinson observed the flora while engaged in his main interest, cartography. His maps, of Burren (1977), Aran (1980), and Connemara (1990), which explore offshore islands and distant valleys, are acclaimed. Con Breen, during his free time and holiday periods has worked the coastal areas of districts 5, 6, and 7 and some mountain districts – with the *Flora* in one hand and a critical eye in the other. Well-pressed, well-documented specimens, which are preserved in the National Herbarium, support his finds. Cilian Roden has botanised mountain cliffs and coums of the Twelve Bens, the Maumturks and other high ground in Connemara, and has provided much interesting information on rock types and plant preferences. Cilian followed the routes of some early botanists, in particular H. C. Hart (1847–1908), and has uncovered many species not seen since Hart’s report of 1883. Tom Curtis made available numerous records that the National Parks and Wildlife division has recorded or received over the past 20 years.

In the chapter on the history of the *Flora* reference is made to the work of Walter Wade. He is given there as William Wade (Page xli), an error which arose on the transmission of type to print.

All royalties from the publication of *Flora of Connemara and the Burren* were paid to the Royal Irish Academy and were credited to the Robert Lloyd Praeger Fund for promotion of fieldwork on the Natural History of Ireland.

David A. Webb, the senior author of the *Flora of Connemara and the Burren*, died following an accident near Oxford in 1994. For tributes to his life and work, see W. A. Watts in the *Irish Naturalists’ Journal* 25 (1995); J. R. Akeroyd and P. S. Wyse Jackson in *Watsonia* 21 (1996), and M. H. P. Jebb in *Glasra* 3 (1998).

CORRECTIONS AND SUNDRY ADDITIONS TO THE FLORA

The *Flora* deals chiefly with the whole of West Galway (H16) and with northern County Clare (H9) as delimited by Webb (1962). It should be noted that for continuity between the

two regions, a 'corridor' – part of South East Galway (H15) and North East Galway (H17) was also included, as part of districts 3 and 4. Recorders without access to the original flora can trace the boundaries of this region where it differs from the vice-county borders on modern maps. The vice-county border between West (H16) and North East Galway (H17) runs down the centre of Lough Corrib, but the *Flora* boundary differs by making a landfall within North East Galway, 2 km north of the Menlough Marble-quarries, where a minor road approaches the lake shore (M 291 303). The boundary then follows the arc of minor roads through Ballindooly (M 318 296), then via the northern minor road to Twomileditch (M 335 289) and from there it follows a road to the east, which runs in a southerly direction down to the main Galway-Dublin road (M 344 273).

The boundary now follows the main road (*N6*), skirting Oranmore, and along the southern road (*T11* on old maps, *N18* on new maps) through Clarinbridge, Kilcolgan, Gort and thence to Ennis. Thus taking in the coastal strip of South East Galway (H 15). The northern part of county Clare (H9) is delimited by the road which runs westwards from Ennis (the *T70*, or *N85* on new) towards Inagh (R 209 813). At Inagh the boundary then follows the minor road heading almost due west (*R460* on new maps). After 4 km (R 168 809) the boundary stays with an even lesser road that forks to the right. Towards the coast the boundary then follows the road through Moy Beg (R 098 846) and Carrowgar (R 095 852), and thence to where the river Moy debouches into Liscannor Bay (R 092 862).

Throughout this paper, reference to *Flora* refers to the *Flora of Connemara and the Burren* (1983). Further additions should be sent to the Keeper of the Herbarium, National Botanic Gardens, Glasnevin, Dublin 9.

NOTES

The family sequence follows that in the *Flora of Connemara and the Burren* (1983). Nomenclatural changes have been made in line with the 2nd edition of the *New Flora of the British Isles* (Stace, 1997), but for ease of reference the species names are entered as in the *Flora* with the current name in bold typeface following after a ? sign, as:

Lathyrus montanus Bernh. ? ***L. linifolius*** (Reichard) Bässler

The Following abbreviations are used:

Atlas = Perring & Walters, 1962. *Atlas of the British Flora*.

BEL = Ulster Museum, Belfast.

BRC = Biological Records Centre.

CGE = Botany School, Cambridge University.

Crit. Suppl. = Perring & Sell, 1968. *Critical supplement to the Atlas of the British Flora*.

DBN = National Herbarium, Glasnevin.

LANC = Dept. of Biological Sciences, Lancashire University.

LTR = Herbarium, University of Leicester.

RNG = Botany Department, University of Reading.

TCD = Herbarium, Botany School, Trinity College Dublin.

Collectors of field records, mostly unpublished, from 1983:

DEA	David E. Allen	CB	Con Breen
TGFC	Tom G. F. Curtis	DL	Doreen Lambert
AML	Anne Marie Logan	HNMcG	H.Noel McGough
JJM	John J. Moore	TCGR	Tim Rich

TR	Tim Robinson	CR	Cilian Roden
MS	Mary (Maura) Scannell	DAW	David A. Webb
SDW	Sarah Webster	MWJ	Mike Wyse Jackson

When records have been communicated or published using Imperial measurements, these have deliberately not been converted to metric form, since in many cases the measures apply to the 1/2 inch to one mile (1:126,720) Ordnance Survey maps of Ireland. These maps have only recently (1993, 1995) been updated for the region with the Discovery Series maps based on a 1:50,000 scale. Historical accuracy is better served without uninformed conversions. Because of varying levels of precision, eastings and northings, when given, have been separated by a space for clarity. The previous anglicisation of place names, followed by a recent revival and reversion to the Irish language (i.e. the maps published by Tim Robinson, 1977, 1980, 1997) means that many names have been used interchangeably (e.g. Inishméain and Inishmaan). No standard is maintained here, since usage is often of significance in indicating which map source has been used.

THE RECORDS

Thalictrum alpinum L.

- 7 By a small stream on Ben Lettery, August 1855, Isaac Carroll, *The Phytologist* 2 (1857) 76.
- 8 E. ridge, Corcoge Mtn., Maamturk Range, on damp broken rocky ground at 530 m on NE shoulder, 2 miles NW of Maam Cross, 5/07/1991, locally abundant on damp ledges and flushes (**DBN**) CB *in litt.* to MS 3/04/1992.

Ranunculus aquatilis L.

- 2 In a cattle-drinking pond excavated in drift on the S side of the road before it drops steeply into Cahergrillaun, 15/05/1983, R 259 988, JJM, *in litt.* to MS, 5/07/1983. E of Rockview House, W of Carran (Webb & Scannell, 1984). Large pond at Burren village, M 28 11 (Preston et al., 1991).

Reinstate district 2.

Ranunculus baudotii Godr.

- 3 Brackish ponds SW of Parkmore, Kinvarra Bay, M 33 12 (Preston et al., 1991).
Add district 3.

Ranunculus peltatus Schrank

- 1 R. Fergus nr. Corofin, R 265 890, 14/07/1984 (**RNG**). R. Fergus N of bridge above Inchiquin L., Killinaboy, R 26 91, 26/08/1988 (**RNG**), SDW.
 - 3 R Fergus, Ennis, R 346 780, 17/07/1984 (**RNG**), SDW.
 - 4 Mill Race, Galway, M 29 25, 15/07/1984 (**RNG**), SDW.
- In the *Flora*, *R. peltatus* was placed in square brackets (page 7) because there were then ‘... no firm records’. The above records, made chiefly by Dr. Sarah Webster, ‘confirm the presence of *R. peltatus* in the Flora region ...[it] seems possible that some records of *R. penicillatus* published in the Flora could refer to *R. peltatus* ...’ (Preston et al., 1991).

Confirmed for the *Flora*.

Ranunculus sceleratus L.

- 3 Dried pond, by brackish ponds SW of Parkmore, M 33 12 (Preston et al., 1991).
- 5 On a road, ‘... surfaced with sand overlain by granite shore gravel ... not subject to inundation’, Shannawonneen td. 3 km N of Spiddal, M 12 24, M. O’Connell, *INJ* 20 (1982) 506.

- 6 'In one freshwater pool on Inishmuskerry Is. (off Feenish Is.)', 5 km S of Carna, 25/06/1983, TR (Webb & Scannell, 1984).

Add districts 3 & 6.

***Ranunculus lingua* L.**

- (2) 'Marshes near Ennis, 1804 Mackay' [J. T. Mackay], *ex herb Adm. Jones (DBN)*, noted March 1991.

This specimen confirms the historical presence of the species in district 2.

***Berberis vulgaris* L.**

- 3 Still near Killourney, R 39 98, TGFC, 1996 (First record Webb, 1963).

****Berberis darwinii* Hook.f.**

- 6 Leitir Deiscart townland, near Carna, 'yards from houses' 11/08/1984 TR.

Add district 6.

****Nymphaea alba* L.**

- 2 Turlough at Carran, R 28 98, *INJ* 23 (1991) 465.

Add district 2.

Papaver lecoquii Lamotte ? ***P. dubium*** subsp. *lecoquii* (Lamotte) Syme

***Meconopsis cambrica* (L.) Vig.**

- 2 'About 6 plants at the base of overhanging limestone rocks NW of the shale/limestone boundary' Ballyelly, M 145 055, 05/1993, CR. Up to 30 plants on a limestone scarp in Aillwee, M 23 04, E.M. & G. D'Arcy.

***Glaucium flavum* Crantz**

- 2 N coast of Inishmáin, 1983, 1985-1987, Mrs. Karen Smith *in litt.* to **DBN**, 27/06/1989. 'Three plants on coarse shingle S of small quay at NW point of island ... Hart's station of 1875 exactly as described' (*In one place on the north-western shore, about the middle of its length from north-east to south-west*), Inishmaan, 06/1982, CB.

- 4 N shore of Tawin island, Galway bay, M 311 197, HNMCG and AML, *INJ* 22 (1988) 412.

Reinstate districts 2, 4 & A.

***Fumaria capreolata* L.**

- 2 One plant on waste ground near R. Caher, not far from caravan site, 1/06/1984, A.S.Dunn *in litt.* to DAW, 10/05/1985.

***Rorippa sylvestris* (L.) Besser**

- 5 Water-logged habitat at road margin, Shanawoneen townland, 3 km N of Spiddal, M 12 24, M. O'Connell, *INJ* 20 (1982) 506.

Reinstate district 5.

***Rorippa islandica* (Oeder) Borbás**

- 7 Renvyle, in ditch W of the outflow, 26/07/1989, seen by TCGR *in litt.* to MS 28/07/1989.

Nasturtium officinale R.Br. ? ***Rorippa nasturtium-aquaticum* (L.) Hayek**

N. microphyllum (Boenn.) Reichenb. ? ***Rorippa microphylla* (Boenn.) Hyl.** ex A.D.Love

Nasturtium × *sterile* (Airy-Shaw) Oefel. ? ***Rorippa* × *sterilis*** Airy Shaw

(*R. nasturtium-aquaticum* × *R. microphylla*)

- 7 Aillebrack, W of Ballyconneely, L 585 430, 1980, DL.

***Cardamine hirsuta* L.**

- 7 Common around Roundstone Harbour, also on the 'Sky Road', W of Clifden, L 61 52, 29/05/1984, TR.

***Cardamine impatiens* L.**

- 2 Still at Ballyvaughan harbour, TGFC, 1999.

***Arabidopsis thaliana* (L.) Heynh.**

- 2 Mullaghmore, ca. 100 m, 24/05/1981, S. Karley *in litt.* to MS, 02/1984.
 5 Lawn and flower-beds of dwelling, Cherry Park, Newcastle, M29 26, 1986, HNMCG (DBN) *INJ* 22 (1988) 412.
 7 'A dozen plants...', at foot of S. facing wall on road from S. Pier, Roundstone, 29/05/1984, TR.
 8 Roadside in Cornamona, 08/1996, CB.
 Add districts 5 & 7.

Cochlearia scotica Druce ? *Cochlearia officinalis* subsp. *scotica* (Druce) P.S. Wyse Jackson

***Cochlearia danica* L.**

- 7 N pier Roundstone, 'covered in it', 04/1984, TR.

***Thlaspi arvense* L.**

- 6 Weedy vegetable lot, Carraroe village, 08/1984, CB.
 8 Farmland at Ashford Castle, TGFC, 06/07/1973.
 Add districts 6 & 8.

***Erophila verna* (L.) DC.**

- 7 Roundstone, 03/1984, TR.

***Subularia aquatica* L.**

- 6 Loch an Chaolaigh, 2 km SE of Carna, L 804 307, J. Ryan, 1996.

***Cakile maritima* Scop.**

- 5 W side of Spiddal Pier, 1984, CB.
 6 Beach at Trabawn, SE corner of Gorumna Is., 1984, CB.

***Crambe maritima* L.**

- 2 Trá an Mhaindlín, Inishmaan, L 947 068, P. Fay, 1996
 6 'Record for district 6. Known for 40-50 years' Mrs. E. de Butleir. - 'size of station would appear to verify this', 1984, CB. Lettermullan Island, CR, 1993.

***Raphanus raphanistrum* L.**

- 5 Extends along the coast from Spiddal to Inveran, 1984, CB.
 6 Brandy Harbour, M 368 162, 05/1982, JJM.

***Tuberaria guttata* (L.) Fourr.**

- 6 30 plants on knoll marked 64 ft, SE of Gorumna Is., L 899 210, 1985, HNMCG.
 7 Inishbofin, 'Still occurring occasionally on the higher ground, ca. 300 plants seen in all', L 5 6, 1985, HNMCG and AML, *INJ* 22 (1988) 412. Still on Inishshark, near deserted village, P. Fay & S. Waldren, 1996.

Helianthemum canum (L.) Baumg. ? *Helianthemum oelandicum* (L.) Dum.

subsp. *piloselloides* (Lapeyr.) Greuter & Burdet

***Viola reichenbachiana* Jordan ex Bor.**

- 4/8 Clareville, Oughterard, M114 424, 1975, DL.

***Viola lactea* Sm.**

- 6 Heath behind Carraroe growing near *Tuberaria guttata*, M 91 23, 06/1993, CR.
 7 Occasional on heathy ground on NE side of Truska L., Mannin; L 59 45, also on hill NE of this lake near large concrete water tank with *Ophioglossum*, CB *in litt.* to MS 2/11/1990.

***Viola tricolor* subsp. *curtisii* (Forst.) Syme**

- 2 Lahinch dunes 1971, S. Karley *in litt.* to MS 03/1984.

[*Viola kitaibeliana* Schult.

Meikle (1997) suggested that he may have seen this species in June 1946, growing in rough pasture not far inland from a spit of sand about 2 km NE of Ballyvaughan. "At the time I assumed the *Viola* was a dwarf form of *V. arvensis* but was surprised to see it in a pasture...a weed of cultivated ground." The species is unknown for Ireland, and the record seems unlikely].

Silene vulgaris Garcke subsp. *maritima* (With.) Á. Löve & D. Löve ? *Silene uniflora* Roth
Silene dioica (L.) Clairv.

6 In scrub, Letterard, W of Glinsk, M 75 36, 07/1985, CR in *INJ* 25 (1996). Fringing a heron's nest (Photograph), Gorumna Island, Whilde (1994, p.139).

Add district 6.

Lychnis flos-cuculi L.

2 Marshy hollow below Gortnagapall, Inishmore (Webb & Scannell, 1984) – first recorded in *Atlas* (1962), DAW in *J. Life Sc. R. Dublin Soc.*, 2 (1980) 61. 'Spring areas in Glen of Clab', G.Doyle, pers. comm. to MS 26/07/1986.

Add district 2 & 2A.

Cerastium semidecandrum L.

7 Dog's Bay, 1980 (DBN), CB.

Cerastium arvense L.

5 On coastal rocks at An Leathchartúr, near Inveran, M 00 20, 05/1993, CR (1996).

Stellaria neglecta Weihe

1 Vicinity of Poulsallagh, map in *Atlas* (1962) p. 70.

Unconfirmed record.

Stellaria holostea L.

8 Roadside hedge about 2 miles down the Dooros peninsula, 06/1983, TR; roadside hedge Cornamona-Maam road, about 2 miles SE of Maam on S side of road, 06/1983, TR (Webb & Scannell, 1984).

Add district 8.

Stellaria alsine Grimm ? *S. uliginosum* Murray

Arenaria serpyllifolia L. subsp. *leptoclados* (Rchb.) Nyman

8 The map in *Crit. Suppl.* (1968) p.13 indicates a location close to the Mayo border at Lough Nafuoey.

New to the *Flora*.

Moehringia trinervia (L.) Clairv.

2 Wood at Clooncoose, near road, R 28 94, Daniel Burke, 16/05/1983, comm. JJM (Webb & Scannell, 1984).

7 3 or 4 plants under bracken, on a dry knoll by lake shore, L. Nawheelaun, N of Roundstone, 25/06/1984 TR.

Add district 2.

Althaea officinalis L.

4 Ballyvaughan pier, one plant, 1981, S.Karley *in litt.* to MS 03/1984.

Add district 4.

**Lavatera arborea* L.

2A Glaunacaun beach, Inishmore, Faith Wilson, 1999.

4 Occasional on roadsides and landward of shingle/boulder beaches on Tawin Is. M 31, 1985-1986, HNMCG and AML, *INJ* 22 (1988) 412.

6 Pointe, S of Carraroe, L 93 21, Mrs. MacAlasdair, 1985-1986 (DBN).

Reinstate district 4, add district 6.

Erodium cicutarium (L.) L'Hér.

- 6 Sandy shore, Doleen Harbour, S of Carraroe, 1984, CB.
Add district 6.

Frangula alnus Miller

- 3 One prostrate plant W of L. Fingall nr. Kilcolgan (M 417 150), 19/04/1994, G. D'Arcy & I. Rippey. On south side of L. Bunny, 07/06/1997, I. Rippey, *in litt.* to MS 14/10/1998.

**Acer campestre* L.

- 2 'A gryke full', Fanore, between 500 ft and 900 ft, 18/05/1981, S. L. M. Karley *in litt.* to MS 03/1983.

New to the *Flora*.

Ononis repens L.

- 4 Gravelly banks by old railway line N of Ballycurke L., M 230 325, ca. 1970, DL (Webb & Scannell, 1984). Renmore townland at Cromwell's Fort, in patches, 8 sq. ft., spreading, 07/1985, Hugh O'Donnell. Occasional in rough grassland on low, clay, sea cliffs, behind Renmore barracks, also on rocky seashore fronting cliffs, M 311 246, 1985-86, HNMCG (DBN), *INJ* 22 (1988) 413.
- 6 One plant at SE corner of Gorumna Island, L 899 210, HNMCG, *INJ* 22 (1988) 412.
- 7 'Two separate stations on machair-type grassland on the peninsula NW of Erriseask House Hotel, Ballyconneely, CB *in litt.* to MS 2/11/1990; NW end of peninsula CB *in litt.* to MS, 3/04/1992 (DBN).

Add districts 4, 6 & 7. This species, a casual, is in square brackets in the *Flora* since it had not been seen since 1960.

Trifolium arvense L.

- 6 One plant at SE corner of Gorumna Island, L 899 210, 1985, HNMCG, *INJ* 22 (1988) 412.

Lotus corniculatus var. *crassifolius* (Pers.) Rouy

- 2A Sandy ground between airstrip & National school, Inissheer, CB, 12/06/1987 (DBN). NE end of airstrip, Inishmaan, CB, 11/06/1987 (DBN).
- 7 Coral strand, Ballyconneely, CB, 05/07/1986 (DBN). Stabilised blown sand at rear of dunes, E of Knock head, 23/05/1979, J. R. Akeroyd (DBN).

New to the *Flora*. This variety is characterised by the thick, glaucous leaves.

Lotus uliginosus Schkuhr ? *L. pedunculatus* Cav.*Astragalus danicus* Retz.

- 2 Reported to DBN by Mrs. Karen S. Smith, Inishmore, Aran, 27/06/1989: '*A. danicus* was prolific this year but there is a golf course proposed for the largest station on Inishmore.' Cladach an tSiúite, Inishmaan, L 950 063, TGFC et al. 1987.

Vicia orobus DC.

- 8 Amongst boulders SW end of Coad Is., SE of Inchagoill; S end of Bilberry Is., off Oughterard, 14/08/1992, CR *in litt.* to DAW, 18/08/1992 and thence to DBN. 'Wade vindicated after 190 years.' Coad Island North, and Coad Island South, Bilberry Island, Bronteen Island; CR, *INJ* 25 (1995) 131.

Reinstated to the *Flora*.

Lathyrus montanus Bernh. ? *L. linifolius* (Reichard) Bässler*Lathyrus japonicus* Willd. subsp. *maritimus* (L.) P. Ball

- 6 North of and opposite Dog Island, Lettermullan, L 846 213, P. Fay 1996.

New to the *Flora*. The sea pea is thought to derive from ocean-borne seed of American

origin. Seeds have been recorded from numerous west coast beaches, including those in the *Flora* region, but plants have previously only been recorded for Cork, Kerry, Donegal, and Wexford (Minchin & Minchin, 1996). This was the first record of living plants for the *Flora* region.

***Rubus* spp.**

A list of the microspecies known from the study area was given in the *Flora*. Following final typesetting, E. S. Eedes communicated with DAW (12/10/1982) and recommended that the following name changes be made:

for *R. selmeri* ? ***R. nemoralis*** P. J. Mueller
 for *R. hebecaulis* ? ***R. lanaticaulis*** Eedes & Newton
 for *R. vectensis* ? ***R. dentatifolius*** (Briggs) W. C. R. Watson
 delete *R. purpureicaulis*

****Rubus phoenicolasius* Maxim.**

7 Verges of drive to Connemara National Park Visitors Centre, Letterfrack, L 709 575, 07/1998, DEA *INJ* 26 (1999) 182.

New to the *Flora*.

***Rubus plicatus* Weihe & Nees**

7 Reeds swamp nr. Cloonbeg Bridge, L 7546, 07/1998, DEA *INJ* 26 (1999) 182.

New to the *Flora*.

***Rubus leptothyrsos* G.Braun**

7 Claddaghduff/Cleggan area. Eedes & Newton (1988) map, p.311.

New to the *Flora*.

***Rubus altiarquatus* W.C.Barton & Riddelsd.**

7 Inishbofin, Eedes & Newton (1988) map, p.318

New to the *Flora*.

***Rubus amplificatus* Lees.**

7 Claddaghduff/Cleggan area. Eedes & Newton 1988 map, p.319. Rushy field at the E end of the Faul peninsula, L 655 495, 07/1998, DEA, *INJ* 26 (1999) 182.

Add district 7.

***Rubus mollisimus* Rogers – delete, record not valid (Eedes & Newton 1988).**

***Rubus dumnoniensis* Bab.**

7 Renvyle and Kylemore Lough, Newton, *INJ* 22 (1986) 67.

Add district 7.

***Rubus chlorothyrsos* Focke – delete, dubious name (Eedes & Newton, 1988).**

***Rubus hebecaulis* ? *R. lanaticaulis* Eedes & Newton**

5 Galway area, Eedes & Newton (1988) map, p.332.

7 North of Clifden, Newton, *INJ* 22 (1986) 67.

Add district 5.

***Rubus wirralensis* Newton**

6 near Maam, Eedes & Newton (1988) map, p.336.

7 near Toombeola, Newton, *INJ* 22 (1986) 67.

Add districts 6 & 7.

***Rubus cinerosus* Rogers – delete, record not valid (Eedes & Newton, 1988).**

***Rubus dunensis* Rogers – delete, record not valid (Eedes & Newton, 1988).**

***Rubus adenanthoides* Newton**

7 North of Clifden, Newton, *INJ* 22 (1986) 67.

New to the *Flora*.

Rubus fuscus Weihe – delete, record not valid (Edees & Newton, 1988).

Rubus largifolicus W.C.R. Watson

- 7 Boggy willow thicket on moorland at 300 m below Coill uí Mhongeir, E of Clifden, L 674 496, 07/1998, DEA, *INJ* 26 (1999) 183. Hedge-tops, lane at E end of Faul peninsula, L 653 495, *ibid.* Bank & hedge top by sea 100 m W of Cashel Church, L 802 425, *ibid.*

New to the *Flora*.

Rubus acutipetalus Lef. & Mueller – delete, dubious name (Edees & Newton, 1988).

Rubus koehleri Weihe ? *R. milesii* Newton – delete, record not valid (Edees & Newton, 1988).

Rubus hypochlorus Lef. & Mueller – delete, dubious name (Edees & Newton, 1988).

Rubus echinatoides (Rogers) Dallman

- 8 By L. Corrib about 5 km SW of Cong, M 11 54, 1896, E. S. Marshall (**DBN**), *INJ* 24 (1993) 251.

New to the *Flora*.

Rubus rubristylus W.C.R. Watson

- 8 By L. Corrib about 5 km SW of Cong, M 11 54, 1896, E. S. Marshall (**BM**), *INJ* 24 (1993) 252.

New to the *Flora*.

Rubus pyramidalis Kaltenb.

- 7 East of Clifden, 1998, DEA; near Toombeola, Newton, *INJ* 22 (1986) 67.

Add district 7

Rubus hindii A.L. Bull.

- 7 Common on roadsides, Moyard to Crockaunroe, L6557, 6656, 07/1998, DEA, *INJ* 26 (1999) 184.

New to the *Flora*.

Geum × *intermedium* Ehrh. (*G. rivale* × *G. urbanum*)

- 4 Map in *Crit. Suppl.* (1968) p. 28.

New to the *Flora*.

Potentilla anglica Laich.

- 6 'Roadside between Maam Cross and Screeb, about 15 or more double-flowered plants', DL, *INJ* 16 (1969) 149. Double flowered *P. erecta* also seen, 1968, DL, *INJ* 16 (1969) 142.

Potentilla × *suberecta* Zimm. (*P. erecta* × *P. anglica*)

- 1 Lisdoonvarna, R 11 96, Matfield et al., 1970, *INJ* 25 (1995) 52.

Add district 1.

Potentilla × *mixta* Nolte ex Reichb. (*P. anglica* × *P. reptans*)

- 1 Ballynalackan, M 1210, Matfield et al., 1970, *INJ* (1995) 52.

New to the *Flora*.

Potentilla fruticosa L.

- 2 'We visited the Ballyvaughan site and could find no specimens. Mrs. M. A. Keane told us the site was cleared during Autumn-Winter 1983-4', A. S. Dunn *in litt.* to DAW 1985. Newtown Turlough, M 221 075, 1997, O'Mahony.

Aphanes arvensis L.

- 6 & 7 Map in *Crit. Suppl.* (1968) p. 33.

Add districts 6 & 7.

Aphanes microcarpa (Boiss. & Reuter) Rothm. ? *A. australis* Rydb.

2 Map in *Crit. Suppl.* (1968) p. 33.

Add district 2.

**Acaena* sp.

7 Driveways in grounds of Kylemore Castle, 1986, J. Fitzharris. In the *Flora* this was noted as occurring just outside the area in Co. Mayo. Without a herbarium specimen, the species name cannot be established.

New to the *Flora*.

Rosa arvensis Huds.

4 Still at Kilbeg Ferry, S shore, M 236 417, 1981, DL, *INJ* 21 (1984) 287.

Rosa pimpinellifolia L.

6 One patch W end of Múinis, 11/08/1984, TR.

Rosa rugosa Thunb. ex Murray

7 Roadside hedge, 0.5 km W of the village, Letterfrack, L 75, 17/08/1979 MS (**DBN**). Roadside a distance from village, nr. Moyard, L 65, 15/06/1980, MS (**DBN**).

Not noted in the *Flora*. The cultivars 'Plena' and 'Albo-plena' are common in cultivation in the Cleggan area, MS, 24/06/2000.

Rosa rugosa 'Plena' × *Rosa* sp?

7 In hedging between Cleggan, Claddaghduff, and the Courhoor Lough region, L 5 5; forming a hedge between Courhoor Lough and Cleggan, 15/09/1979, MS and Ann Conolly (**DBN**); near Courhoor Lough, 14/06/1980, MS (**DBN**); hedge near Courhoor Lough, 11/09/1983, MS (**DBN**). Forming a hedge, 30 ft in length, interspersed with *Fuchsia magellanica*, Cleggan-Claddaghduff, 24/06/2000, MS (**DBN**).

The name of the second parent is not known. Material is in cultivation at the National Botanic Gardens.

[*Rosa* × *praegeri* Wooley-Dod (*R. canina* × *R. rugosa*)]

This hybrid, described from County Antrim (H37) in 1927 (Praeger, 1928), is now extinct in that area (Hackney, 1992). *Rosa* × *praegeri* is also listed for H16 (i.e. Connemara) by Graham & Primavesi (1993). The distributional information in the latter work derives from the **BRC** database at Cambridge, and associates this taxon with specimens collected between 1970-1983 in the Cleggan-Claddaghduff area, L 55. The specimens listed above, however, do not match the Type specimen of the hybrid (**DBN**) in the following particulars: the pedicels, hips and sepals are densely covered in gland-tipped acicles (although these are described as variable by Praeger (1928)), which are golden-brown in colour; the petals are numerous, and probably number 10 or more (versus 5); and the sepals are longer, and have more slender apices. While the facies of these specimens do suggest a hybrid between *R. canina* and *R. rugosa* (probably of the cultivar 'Plena'), these are noteworthy morphological differences.

Rosa sherardii Davies

4 Glengowla, M 08 42, 13/06/1980, MS.

6 Screeb, 27/06/1984, V. Westhoff – both specimens in **DBN** have been confirmed by A. L. Primavesi.

Sorbus aucuparia L.

2 Roadside near turlough at Knockaunroe, M 17 04, 31/05/1969, MS – with very hirsute leaves giving a silvery appearance (**DBN**).

Sorbus hibernica E. F. Warb.

5 Three trees at waterfall and several trees S of the river at Clareville, and a little way up the mountain at M 110 230, DL.

- 8 One small tree in copse NW of Oughterard, DL (Webb & Scannell, 1984).
Reinstate district 8.
- Sorbus aria* (L.) Crantz
8 Several trees in a copse, NW of Oughterard, probably planted (Webb & Scannell, 1984).
Add district 8.
- Prunus spinosa* L.
2 A fine leaved form at turlough, Knockaunroe, 05/1969, MS
- Prunus domestica* L.
8 Still on Bilberry Island in the 1960s, M 14 46, 1983, DL.
- Prunus avium* L.
3 'A well grown tree and several saplings by roadway into the lakes at Dromore L.'
16/05/1983, S. Reynolds (Webb & Scannell, 1984).
Reinstate district 3
- **Prunus laurocerasus* L.
5/8 A 30 ft. high tree in a little wood 100 yds N of Galway-Clifden road, 2 miles E of Maam Cross, Derrynagasfor townland, W end of L. Anieran, 1/05/1987, TR.
- Saxifraga oppositifolia* L.
7 Plentiful at 1,200 ft on Muckanaght, 1986, J.Fitzharris.
- Saxifraga stellaris* L.
7 Garaun Corrie, 500-600 m, L 76 61, CR (1986).
- Saxifraga* × *polita* (Haw.) Link (*S. hirsuta* × *S. spathularis*)
7 By stream N face of the Twelve Bens, above Kylemore Lough and N slopes of Doughruagh, 1982, CR (Webb & Scannell, 1984).
- Saxifraga rosacea* Moench
7 Muckanaght, only 2 plants noted at 1,200 ft., 1986, J.Fitzharris.
- Chrysosplenium oppositifolium* L.
7 'Slopes below Knockpasheemore, ca. 2 km E of Benbrack', 1986, J.Fitzharris.
- Rhodiola rosea* L. ? *Sedum rosea* (L.) Scop.
Sedum anglicum Huds.
8 Growing on limestone at the edge of Derryclare L., Ferguson and Westhoff (1987).
- Drosera rotundifolia* L.
2 Above Black head, Cathair Dhúin Irghuis, 06/1990 (Nelson & Walsh, 1991).
Add district 2.
- Myriophyllum verticillatum* L.
4 Lough Corrib, near Ardnasillagh, J. Hermans, det. V. Westhoff, 21/07/1990 (DBN).
Reinstate to district 4. First record since 1895.
- Myriophyllum spicatum* L.
2 Large pond at Burren village, M 28 11, Preston et al., *INJ* 23 (1991) 465.
- Myriophyllum alterniflorum* DC.
1 R. Fergus, between Inchiquin Lough and bridge to N, R 26 90, *INJ* 23 (1991) 465.
Add district 1.
- **Haloragis micrantha* (Thunb.) R.Br. ex Siebold & Zucc.
6 'Fairly widespread over the area between the road and L. Bola' [E of the Lough], 3 km N of Carna, 25/09/1988, P. Green, I. Green and G. Crouch. Paul Green *in litt.* to MS, 'On the Carna side of the conifer plantation, on a turf track... 'It was growing alongside *Juncus planifolius* ... which originates from the same part of the world'.

BSBI News 51 (1989) 48. Determination confirmed by M. Mullins and N. K. Robinson. Abundant on 1-2 year old cut peat surfaces, M. Jebb, July 1999.

New to the *Flora*. First record for Europe. Native to S. E. Asia and Australasia.

The area is referred to as 'a remote part of Ireland'. In the 1880s the Congested Districts Board was involved in an ambitious afforestation scheme at Knockboy, N of Carna, which was 'planted with a remarkable variety of species' (McEvoy, 1954). The experiment was a failure (Anon, 1908).

**Gunnera manicata* Linden ex Andre

8 Small lake SE of Ballynahinch L., L 791 467, 1990, DL.

New to the *Flora*.

Callitriche platycarpa Kütz.

2 Turlough at Carran, R 28 98, *INJ* 23 (1991) 465.

Reinstate district 2.

Callitriche obtusangula Le Gall

1 R. Fergus, between Inchiquin Lough and bridge to North, R 26 90, *INJ* 23 (1991) 465.

2 Large pond at Burren village, M 28 11, *INJ* 23 (1991) 465.

Add district 1.

Callitriche palustris L.

2 In open, cow trodden vegetation on clay in the dry bed of river, near the horse mill, Coole Nature Reserve, Coole Lough, Gort, 4/07/1999, John Bruinsma (DBN conf. R. Lansdown).

New to the *Flora*.

This record is the first genuine record for this continental European species in the British Isles. The species is probably overlooked (*R. V. Lansdown pers. comm.*), but readily told from others by the black fruits in which the mericarp wings are only present near the apex, and absent below.

Epilobium angustifolium L. ? *Chamerion angustifolium* (L.) Holub

Epilobium nerterioides A. Cunn. ? *E. brunnescens* (Cockayne) Raven & Engelhorn

**Epilobium pedunculare* A. Cunn.

8 On earthen banks near the House, Currarevagh demesne, 14/08/1991, MS and Reitze ten Cate. Sloping roadside bank, NW of Keane's Bar, L 96 52, 07/08/1999, J. Conaghan, *Irish Bot. News* 10 (2000) 54.

Circaea lutetiana L.

6 In Keeraunmore townland SE of Carraroe, 1984, CB.

7 Ellis wood, Connemara National Park; common.

Hydrocotyle vulgaris L.

2 Turlough at Carran, R 28 98; large pond at Burren village, M 28 11, *INJ* 23 (1991) 465; Very large plants along turlough margins, ca. 0.5 km S. of L. Gealáin, NE of Kilnaboy, M. Jebb 07/1999.

Conium maculatum L.

5 'Coast between Spiddal and Inveran', 1984, CB.

Add district 5.

Apium nodiflorum (L.) Lag.

4/5 Ditch W of Rosscahill, in the 1970s, DL.

Chaerophyllum temulentum L. ? *C. temulum* L.

Crithmum maritimum L.

5 Frequent by shore from Derryloughan to Spiddal, M12, and occasionally to Inveran, 1984, CB.

***Oenanthe crocata* L.**

- 2 Aillwee townland, a single plant in wet ground near a spring, 05/1991, P. Carter, E.C.Nelson and P. Tattersfield.

Add district 2.

***Aethusa cynapium* L.**

- 3 Tilled field at Kinvarra, M 370 103, 29/08/1984, TGFC & HNMCG.

***Ligusticum scoticum* L.**

- 7 The Slyne Head sighting (L 51 41) is reported in the *Atlas* (1962), however, no specimen is known, and Palin (1988) accepts the recommendation in the *Flora*, that the record cannot be accepted without confirmation. This record may be in confusion with the very glossy, bright green form of *Angelica sylvestris* which occurs in the area.

***Hedera helix* L. subsp. *hibernica* (G.Kirchn.) D.C.McClint.**

- 2, 2A, 3, 7 McAllister & Rutherford (1990) have mapped several sites for which chromosome counts indicate the presence of the tetraploid (2n=96) ivy. No counts of diploid ivy (subsp. *helix*) were made for the *Flora* region (ibid.). Herbarium material is scant, and the only specimen at **DBN** for the region, which was collected on walls at Gleninagh (Q) in 1987, has the trichome character of subsp. *helix*. Critical field observation has still to be undertaken in Ireland to reveal the true distribution pattern of these two ivies.

***Cornus sanguinea* L.**

- 2 In wood on scree slopes of Cinn Aille (Slieve Carron), CB, BSBI field trip 05/1995, *Irish Bot. News* 6 (1996) 49.

****Viburnum lantana* L.**

- 4 One bush on roadside, Ardnasillagh, M 165 417, 1975, DL.

Not in the *Flora* list, but perhaps a deliberate planting.

****Leycesteria formosa* Wallich**

- 4 One bush S of the river, M 113 421, 1983, DL.

Add district 4.

***Rubia peregrina* L.**

- 7 Rocky cliff overlooking the road to Little Killary, L 77 63, CR 05/1980, a confirmation of Hart's (1883) record at Salruck.

Reinstate district 7.

***Galium boreale* L.**

- 7 On peaty river banks of Owentooey R., NW of Recess, 1992, CB (**DBN**).

- 8 Shore above L. Inagh, 1837, J. Ball (1839).

Add district 7.

***Galium odoratum* L. Scop.**

- 8 Derryclare Wood, Fergusson & Westhoff (1987) 155.

***Asperula cynanchica* L.**

- 5 'Sandy ground E of public car park by shore at Knock townland E of Inveran', 1984, CB.

Confirmation of *Atlas* record.

This species is now divided into 2 subspecies based on rhizome and leaf characters, however, as stated in the *Flora*, the differences are not clear cut:

Subsp. *occidentalis* (Rouy) Stace has orange stolons and leaves to 10 mm long, and >1 mm wide. This subspecies is confined to calcareous dunes. Subsp. *cynanchica* has brown or absent stolons and longer, narrower leaves.

†*Dipsacus fullonum* L.

- 2 Pastures with rock outcrop, 40-50 plants, E of Martello tower, Finavarra, 07/1985, Hugh O'Donnell.
 3 Brandy harbour, NW of Ballindereen, 05/1982, JJM (Webb & Scannell, 1984).
 4 'Gone from shingle' (see *Flora*: 105). Hugh O'Donnell, 07/1985.
 Add districts 2 & 3.

Logfia minima (Smith) Dumort. ? *Filago minima* (Smith) Pers.

Omalotheca sylvatica (L.) Schultz-Bip. & F. Schultz ? *Gnaphalium sylvaticum* L.

Antennaria dioica (L.) Gaertn.

- 7 Rough rocky heath, S of Salruck, 1986, J. Fitzharris.

Inula helenium L.

- 6 Oilean Maiséan (Mason Is.) SW of Carna, 20-30 plants by the ruined chapel – an early Christian site, 11/08/1984, TR.

Reinstate district 6.

Bidens cernua L.

- 1 Edge of Inchiquin Lough, R 26 90, *INJ* 23 (1991) 465.
 7 Ardnagreevagh, nr. Renvyle Castle, L 66 63, S. M. Walters – 'A remarkable variant', *B. cernua* var. *radiata* DC., distinguished by its bright yellow capitula and ray florets. *BSBI News* 45 (1987).
 8 Muddy bay S of Derry rocks, Dooros peninsula, M 084 507, 07/2000, CB (DBN).
 Add districts 1 & 8.

Achillea ptarmica L.

- 7 Arkinbeg townland, in E of the region, one plant by stream, 11/08/1984, TR.

Chamaemelum nobile (L.) All.

- 6 'Saw a plant by roadside N of Cashel P.O.', M 145 224, ca. 1970, DL (Webb & Scannell, 1984).

Reinstate district 6.

Matricaria maritima L. ? *Tripleurospermum maritimum* (L.) Koch

Matricaria perforata Mérat ? *Tripleurospermum inodorum* (L.) Schultz-Bip.

- 7 Withdraw – the plant is *T. maritimum* (Webb & Scannell, 1984).

Delete district 7.

Chamomilla suaveolens (Pursh) Rydb. ? *Matricaria discoidea* DC.

Tanacetum vulgare L.

- 3 Near a shed, Cinn an bhaile, Inishmaan, SW of Clochan, 1985-87, 1989, Mrs. Karen Smith, *in litt.* to DBN, 26/06/1989.

Leucanthemum vulgare Lam.

- 7 'A curious small form ...in the turf by Dog's Bay, with a stem 2-4 inches high, and a monocephalous anthode, with dark phyllaries. ... It seems to deserve a varietal name.' G. C. Druce, *INJ* 16 (1907) 149

Artemisia maritima L. ? *Seriphidium maritimum* (L.) Polj.

Senecio vulgaris L.

- 1 A variant with short ligulate flowers, side of road by O'Brien's bridge R 089 898, 17/05/1983, JJM – found by D. Burke (Webb & Scannell, 1984).

Senecio sylvaticus L.

- 7 On recently disturbed ground, Forestry track, Ballynahinch Castle, L 76 47, 07/08/1999, J. Conaghan, *Irish Bot. News* 10 (2000) 55.

Reinstate district 7.

* *Senecio mikanioides* Otto ex Walp. ? *Delairea odorata* Lemaire

2A Inishmaan, S of post office, TGFC, 1999.
First record for Inishmaan.

***Carduus nutans* L.**

4 Tawin Island, about 100 plants, M 31, 26/07/1987, HNMCG & AML.
Reinstate to the *Flora*.

***Cirsium palustre* (L.) Scop.**

2A In limestone crevice, small field, Inisheer, 1992, MWJ (1995).
First record for Aran.

***Carlina vulgaris* L.Scop**

7 Drift banks at land's end Dog's Bay, 1981, CB.

***Saussurea alpina* (L.) DC.**

7 Bengower, *in litt.* to MS from CB, 10/1984. Doughruagh nr. Letterfrack, L 74 59, CR (1986).

***Centaurea cyanus* L.**

2 Gleninagh Castle, M 19 10, RLP, 07/1895 (**DBN**).

2A Fearann an Choirce, Inishmore, L 845 102, Curtis et al. (1988).

This arable weed was thought to be extinct in Ireland until its rediscovery by Tom Curtis and others on the Aran Islands.

Add to the *Flora*, omitted.

***Leontodon taraxacoides* (Villars) Mérat ? *L. saxatilis* Lam.**

***Picris hieracioides* L.**

3 A small colony on roadside, E. of Ballinderreen, M 40 10, 07/1988 CR (**DBN**).
New to the *Flora*.

***Tragopogon pratensis* L.**

1 One plant on roadside grass verge near Doolin, 30/05/1984, A.S.Dunn *in litt.* to DAW on 10/05/1985.

Add district 1.

Taraxacum

With the publication of Dudman and Richard's *Dandelions of Britain and Ireland* (1997) the nomenclature of this genus has been brought up to date, and some new records are indicated on their maps. Because of the complexity of the genus, all the species are listed as in the original *Flora*, with *Stet.* where no change to the name or the distribution has been made.

Sect. Erythrosperma

***Taraxacum brachyglossum* (Dahlst.) Dahlst.**

2 At 400 foot on N slopes of Abbey Hill, NW of Bealaclugga, 26/05/1969, MS (**DBN**).

***Taraxacum silesiacum* Hagl. ? *T. parnassicum* Dahlst.**

***Taraxacum gotlandicum* (Dahlst.) Dahlst.**

[2] Sanddunes at Fanore, 20/05/1956, MS (**DBN** det. A.J.Richards 1972).

According to Dudman & Richards (1997) this species is no longer recognised as occurring in Ireland. The specimen, however, has not been redetermined.

Delete from the *Flora*.

***Taraxacum laetiforma* Dahlst. ? *T. haworthianum* Dudman & Richards**

Taraxacum fulvum* Raunk. *Stet.

Taraxacum fulviforme* Dahlst. *Stet.

Taraxacum oxoniense* Dahlst. *Stet.

***Taraxacum glauciniforme* Dahlst.**

Delete, probably a misidentification, *ibid.* map p.282.

Taraxacum degelii Hagl.

2A Aran Islands, *ibid.* map p.283.

Reinstate to Aran Islands.

Taraxacum arenastrum Markl. *Stet.*

Taraxacum pseudolacistophyllum van Soest. ? ***T. lacistophyllum*** (Dahlst.) Raunk.

Sect. Palustria

Taraxacum palustre (Lyons) Symons *Stet.*

Taraxacum webbii Richards *Stet.*

This species was named in honour of Professor David Webb, who collected the holotype (TCD) 1/2 km S of Ballyvaughan in 1972 (*Watsonia* 13 (1981) 187).

Sect. Spectabilia

Taraxacum faeroense (Dahlst.) Dahlst. *Stet.*

Sect. Naevosa

Taraxacum maculosum Richards *Stet.*

Taraxacum drucei Dahlst.

2 & 5 *ibid.* map p.291.

New to the *Flora*.

Taraxacum laetifrons (Dahlst.) Dahlst. ? ***T. stictophyllum*** Dahlst.

Delete, probably a misidentification. *Ibid.* map p. 291.

Sect. Celtica

Taraxacum unguilobum Dahlst. *Stet.*

Taraxacum fulvicarpum Dahlst. *Stet.*

Taraxacum landmarkii Dahlst.

5 Galway area, *ibid.* map, p.297.

Add district 5.

Taraxacum nordstedtii Dahlst. *Stet.*

Taraxacum crispifolium Dahlst. ? ***T. subbracteatum*** Richards

5 Galway area, *ibid.* map, p.293.

Undescribed at time of publication of *Flora*, and recorded as *T. crispifolium* then (p. 125).

Taraxacum adamii Claire ? ***T. gelertii*** Raunk.

Taraxacum hibernicum Hagl. ? ***Taraxacum britannicum*** Dahlst.

2 & 7 These specimens were identified as *T. hibernicum* in the *Flora*.

Taraxacum bracteatum Dahlst.

5 Galway area, *ibid.* map p.292

New to the *Flora*.

Sect. Ruderalia

Taraxacum pannucium Dahlst. *Stet.*

Taraxacum insigne Raunk. *Stet.*

Taraxacum pannulatiforme Dahlst.

Delete, *ibid.*, map p.307.

Taraxacum subcyanolepis Chr. *Stet.*

Taraxacum croceiflorum Dahlst.

2 *ibid.*, map p.310.

Add district 2.

Taraxacum sellandii Dahlst.Delete, *ibid.*, map p.312.***Taraxacum aurosulum*** H.Lindb.5 Galway area, *ibid.*, map p.318.New to the *Flora*.***Taraxacum cophocentrum*** Dahlst.5 Galway area, *ibid.*, map p.318.New to the *Flora*.***Taraxacum cordatum*** Palmgr. *Stet.****Taraxacum dahlstedtii*** Lindb.Delete, *ibid.* map p.320***Taraxacum longisquameum*** Lindb.Delete, *ibid.*, map p.323.*Sect. Hamata****Taraxacum subhamatum*** Chr.Delete, *ibid.*, map p.301.***Taraxacum fusciflorum*** Øllg. *Stet.****Taraxacum brachylepis*** Markl.To be confirmed, 'all material so named needs re-examining' *ibid.* p.334***Hieracium pilosella*** L. ? ***Pilosella officinarum*** F. Schultz & Schultz-Bip.The former subspecies of *Hieracium pilosella* are currently all regarded as of varietal status only (Stace, 1997).***Hieracium umbellatum*** L. subsp. ***bichlorophytum*** (Druce & Zahn.) P.D.Sell & C. West7/8 Ballynahinch area, Map in *Crit. Suppl.* (1968) p. 129.***Campanula rotundifolia*** L.

6 Pastures and sandyplaces, Doleen Harbour, S of Carraroe, 1984, CB.

Add district 6.

Campanula trachelium L.

3 Tulla turlough, M 366 018, 1996, R. Goodwillie (DBN).

New to the *Flora*.***Vaccinium myrtillus*** L.

2 On a boulder on the N side of Carnsefin, 04/06/1989, E.C.Nelson. On the W slope of Slieve Elva above Fanore, 16/05/1995, BSBI visit.

Erica mackaiana Bab.6 Living material of the colony, refound in 1970, near Lough Sheedagh, SE of Carna, was collected in September 1971, and brought into cultivation at the National Botanic Gardens, Glasnevin. The double-flowered variant mentioned in the *Flora* has been named 'Maura' by Dutch horticulturists, and at the Bundesgartenschau in Berlin (1985) the cultivar was awarded a Gold Medal.***Erica erigena*** R. Ross7 The colony at Gowlaun was first reported by Scannell (1976). A detailed investigation of the distribution of the species (Foss et al., 1987) located several new localities in Co. Mayo, but no new ones in the *Flora* area.***Pernettya mucronata*** (L.f.) Gaud. ex Spreng. ? ***Gaultheria mucronata*** (L.f.) Hook. & Arn.***Pyrola media*** Sw.

2 North side of minor road that runs inland from Callanamoe at an altitude of 150 m, M 118 042, 07/1994, G. D'Arcy (CR, 1996).

***Empetrum nigrum* L.**

7 'Occasional on Benbaun and Benfree', 1986, J. Fitzharris

Limonium transwallianum (Pugs.) Pugsl. ? ***L. recurvum*** Salmon, subsp. ***pseudotranswallianum*** Ingrouille

2 Poulisallagh, on carboniferous limestone, 07/1980 M. J. Ingrouille. The type is in **BM**; isotypes in **DBN** and **LTR**, *Bot. J. Linn. Soc.* 92 (1986) 177-217.

For many years the population at Poulisallagh had been regarded as conspecific with the Welsh species *Limonium transwallianum*. It differs in having broader petals 2.2-2.6 mm v. 1.2-1.5 mm in the latter, and in having a smaller chromosome number $2n=27$ versus $2n=35$.

Endemic to the *Flora* area.

***Armeria maritima* (Miller) Willd.**

7 On Benglenisky, L 77 50, at 1200 ft, 1981, CB. On Maumturk range, CB *in litt.* to MS, 04/1992.

***Primula vulgaris* Huds.**

The distribution map for this species in the *Atlas* (1962) omitted a large number of records for Ireland, especially in the *Flora* region. The record cards had been misfiled under *Dactylis glomerata*, and by curious chance were discovered following an enquiry by MS in relation to this latter species some years later. The map is also incorrect in the *Crit. Suppl.*, see Scannell, *BSBI News* 56 (1980) 18.

***Glaux maritima* L.**

2 'A sizeable patch in a wet depression on the seaward side of the road, walls near Black Head' SW of lighthouse. A. S. Dunn *in litt.* to DAW 10/05/1985.

***Blackstonia perfoliata* (L.) Hudson**

6 Stabilised sanddune, NE corner of Maínis Island, L 76 29, 07/1985, CR (1996). Add district 6.

***Gentiana verna* L.**

5 Drumlin behind White Strand, Barna, 05/1971, per DAW.

***Gentianella amarella* (L.) Börner**

4 Frequent in an 'alternative meadow', W bank of R. Corrib, opposite Menlough, M 279 278, HNMCG.

The Irish representatives of this species are now generally placed in the subspecies *hibernica* N.M.Pritch.

****Phacelia tanacetifolia* Benth.**

4 One plant on waste ground behind a shingle beach and saltmarsh on the shore east of L. Atalia, M 330 248, 1985 (**DBN**) (McGough, 1988).

New to the *Flora*. A bird seed alien.

****Buddleja globosa* Hope**

4 Aughanure Castle, ? planted, 1983, DL.

7 Arkinbeg, 11/08/1984, TR.

Add districts 4 & 7.

***Lithospermum officinale* L.**

7 In crevices of rocks covered in shell sand at S end of Doonloughan lake, Mannin, Ballyconneely, L 573 439, 07/1998, CB (**DBN**).

Confirms district 7. Isaac Carroll's record for Bunowen (Cybele, 1866), which lies a few km SE of this site, was discounted in FCB because of the lack of limestone rocks. This collection, however, indicates that the species can grow in pockets of calcareous sand.

***Calystegia soldanella* (L.) R.Br.**

5 'On shingle at E side of Spiddal beach', 1984, CB.

- 6 Among coarse shell-sand, Doleen harbour, S of Carraroe, 09/1983, CB. Inishmuskerri Is. (off Feenish Is.), plentiful on sand dunes, 25/06/1983, TR (Webb & Scannell, 1984).

Add districts 5 & 6.

***Echium vulgare* L.**

- 3 One plant on waste ground above high water mark at Brandy Harbour, M 375 165, HNMCG & AML, *INJ* 22 (1988) 412.

New to the *Flora*.

***Cuscuta epithymum* (L.) L.**

- 3 'Among vegetation on limestone pavement; major host species found at Cooloorta, *Achillea millefolium*, *Lotus corniculatus*, *Thymus praecox*...' S of Cooloorta, R 34 96, E of Mullaghmore, 15/06/1990, G.J.Doyle (1993).

Add District 3.

****Cuscuta epilinum* Weihe**

- 7 'Renvyle, Connemara, collected by R. J. Shuttleworth in 1832' (**BM**), *J. Botany* 30 (1892) 14 [note by J.Britten following article by A.G.More on *Cuscuta epithymum*].

Not noted in the *Flora*. This former weed of flax fields is now exterminated in Ireland.

****Solanum nigrum* L.**

- 4 'Stony seashore E of Galway City' (Praeger 1934, 364), overlooked in the *Flora*. 'Foresore, one plant, Renmore (M 32 24), 1982', Hugh O'Donnell *in litt.* to MS. About 10 plants, on shingle at E end of Mweenish island, M 35 17, 08/1995, CR (1996).

Add to the *Flora*, the Praeger record was overlooked.

****Atropa belladonna* L.**

- 5 University College Galway, M 289 266, 1996, J.Conaghan.

New to the *Flora*, but no doubt an introduction.

***Verbascum thapsus* L.**

- 4 On disturbed ground, Carrowmoreknock, 1983, DL.

- 6 One plant, ca. 5 miles NW of Oughterard, 1986, J. Fitzharris.

Add district 6.

****Erinus alpinus* L.**

- 2 'No plants on Pinnacle well, Ballyvaughan ... recently repointed', S.Reynolds *in litt.* to MS 16/05/1983. Since re-established, common on rocks behind, 1997-1999, M. Jebb. At St. Bertrand's Well, on rocks behind, up to at least 100 yds from road, looking well integrated.

- 3 On perimeter wall (E side) of Dunguire Castle, Kinvara, M 380 105, 06/1997, G. Pasley.

Add district 3.

****Chaenorhinum minus* (L.) Lange**

- (5) Bare peat, old railway line E of Maam Cross, L 998 465, 1960; not there in 1983, DL.

Add district (5).

***Veronica agrestis* L.**

- 7 'At Kenoyle', Galway. *J. Botany* 69 (1931) 205. ? Renvyle.

***Veronica montana* L.**

- 8 In woodland 'on deep soils with mull humus', occurs constantly 'in the herb layer', Derryclare Wood, Fergusson & Westhoff (1987).

****Hebe elliptica* (Forst.) Penn.**

- 7 'Naturalised on a wall at Cleggan', 06/1967, J.E.Raven, fide D. Kelly (**TCD**) (Webb & Scannell, 1984).

Add district 7.

***Limosella aquatica* L.**

2 Refound at Fisherstreet, 06/1985, TGFC.

3 L. Atedaun, on a parched mud-bank of R. Fergus, HNMCG, *Bull. Ir. Biogeog. Soc.* 8 (1984) 118.

***Euphrasia salisburgensis* Funck.**

6 In coarse shelly sand atop a granite boulder in field at Keeraunbeg strand, Carraroe, 08/1985, CB (DBN). Top of low cliffs, Rusheenyvullyghan, S of Carna, 07/1994, A.J.Morton (DBN).

Add district 6.

***Melampyrum pratense* L.**

2 near Carran Filed Centre (R 286 992), 06/06/1997, I.Ripsey, *in litt.* to MS 14/10/1998.

3 Templebannagh L. about 0.5 km S of R 375 941, on limestone pavement, P. Tattersfield *in litt.* to DBN, 28/06/1988.

Add district 3.

***Parentucellia viscosa* (L.) Caruel**

6 Shore of L. Truskan, L 811 305, 1975, DL.

***Lathraea squamaria* L.**

1 In woodland on limestone crags overlooking Loch Inchiquin, R 264 898, 04/1983, CR.

Add district 1.

***Orobancha hederæ* Duby**

4 One plant on *Hedera* opposite Rabbit Is. E of L. Atalia, M340 247, 1986, *INJ* 22 (1988) 413.

5 Oughterard, about or S of, in several places, DL (Webb & Scannell, 1984).

Add district 5.

***Orobancha minor* Sm.**

2 On *Thymus*, Bishopsquarter, 1982, DL. This may be the station noted by Praeger, 'E of Ballyvaughan'. On *Eryngium*, Inishmaan, Aran Is, 25/05/1997, R. Anderson, *INJ* 25 (1997) 456.

3 Two plants, roadside at Knockaunastook, W of Gort (M 424 024), 05/06/1997, I.Ripsey *in litt.* to MS 14/10/1998.

4 On *Anthyllis*, roadside W of Gortachalla, 1983, DL (Webb & Scannell, 1984); gravel ridge by the road SW of Ower, M 220 371, 1983, DL.

5 Brownville, M 25 29, 1984-1985, HNMCG, frequent on the W margin of Galway-Moycullen road; frequent in gardens, Grattan Park Estate, Galway M 29 24, 1985. Occasional in rough grass at entrance to Laurel Park estate, M 28 25, 1986, *INJ* 22 (1988) 413.

***Orobancha alba* Willd.**

2 Strand, Bishopsquarter on *Thymus*, 1982, DL. Slieve Carran, 50 m WNW of entrance gate, 08/1998, M. Jebb.

***Utricularia vulgaris* L. sensu. lat.**

2 Turlough at Carran, R 28 98, *INJ* 23 (1991) 465.

4 Ditches on W side of Ballydooly Lough, M 31 28, *INJ* 23 (1991) 465.

Add district 2.

***Pinguicula grandiflora* Lam.**

2 Moneen mountain, in a spring-fed flush at base of cliff at 600 ft on NW side, CR, first seen in vegetative state in 1974, confirmed when in flower, 05/1983 (DBN), *INJ*

21 (1984) 369. On hill just E of Ballyvaughan, one plant on peaty ground, R. Hewitt *in litt.* to DAW 18/07/1987.

***Verbena officinalis* L.**

4 In several places on road from Kilannin New Church to Gortachalla L, M 20 37 to M 23 37, 1984, HNMCG, *INJ* 22 (1988) 413.

Reinstate district 4.

***Mentha* × *piperita* L. (*Mentha aquatica* × *M. spicata*)**

3 Roadside near St. Patrick's Well, SW of Parkmore, Kinvara Bay M 33 12, det. R.M.Harley (CGE 88/329) *INJ* 23 (1991) 465.

Add district 3.

***Mentha* × *villosa* Huds. (*Mentha spicata* × *M. suaveolens*)**

5 S. of road at Maam Cross, 07/08/1999, J.Conaghan, *Irish Bot. News* 10 (2000) 54.
New to the *Flora*.

***Lycopus europaeus* L.**

7 Still at Cregduff L. and in a roadside ditch on Roundstone to Dog's Bay road, 1984, CB.

Thymus praecox Opiz ? ***T. polytrichus* A. Kerner ex Borbás subsp. *britannicus* (Ronn.) Kerguélen**

***Calamintha sylvatica* Bromf. ? *Clinopodium menthifolium* (Host) Stace**

2 About ten plants, limestone pavement below the crags at Deelin More, M 266 040, 09/1989, CR (1996).

Not recorded from the Burren since last century.

***Salvia verbenaca* L.**

2A In a sandy field S of air-strip, Inishmore, TR & TGFC (Webb & Scannell, 1984). In a closely grazed field on consolidated sand, between the road and shore sand, about 100 yds NW of graveyard and Church, Inishmore, 06/06/1983, TR; still there 1999, TGFC.

New to the *Flora*.

***Glechoma hederacea* L.**

7 'Clambering around the ruined wall of Grainne O'Maille's Castle', 0.5 km SSE of Bunowen Castle, 26/07/1984, TR.

Add district 7.

***Scutellaria galericulata* L.**

7 Marsh around edge of Cregduff Lough, Roundstone, L 71 39, *INJ* 23 (1991) 465.

Reinstate district 7.

***Lamium moluccellifolium* sensu Fries ? *L. confertum* Fries**

***Ajuga pyramidalis* L.**

2 R.S. Forbes and T. Bines (Forbes, 1989) carried out detailed mapping at the Poulsallagh site and concluded that *A. pyramidalis* is perennial, 'in its habit and reproductive strategy.' Two flowering spikes east of road, 04/2000, M. Jebb. At the extreme western end of Inishmore, L 77 11, CR, 1999.

7 East and N of Aillebrack Lough South, L 58 43, CB, 1986. Among rock outcrop on NE side of Truska L, L 59 45, CB, *in litt.* to MS, 02/11/1990. Slyne head, L 55 42, CR, 1999 (pers. comm.).

***Ajuga* × *pseudopyramidalis* Schur. (*A. pyramidalis* L. × *A. reptans* L.) [*A.* × *hampeana* Braun & Vatke]**

2 'Ballyryan Mountain, Burren, 1902, O'Kelly,' **DBN**. 'Mr. Praeger's garden, Lisnamae, Dublin, May 1918 [comm. M. Knowles]', **DBN**. There are specimens also in the Druce Herbarium in Oxford (**OXF**).

The *Flora* stated that the 'credentials .. must be treated with considerable reserve.' A voucher specimen was not then available. In 1983, **DBN** acquired the Herbarium of the Limerick Field Club (Reynolds & Scannell, 1992) and the P.B. O'Kelly specimen came to light. On the sheet it is named 'Ajuga hybrida.' For decades, the hand-written 'Ballyryan' on herbarium sheets had been mis-read as Ballyvaughan. Ballyryan is contiguous with Poulsallagh, the classic site for *A. pyramidalis*. Hybrid plants were cultivated by both Praeger and Druce. Praeger (1951) listed the hybrid.

Littorella uniflora (L.) Asch.

- 2 Caher river, SE of Caher Lower, M 16 07, *INJ* 23 (1991) 465.

Chenopodium bonus-henricus L.

- 1 A few plants, roadside by cottage, 2 km E of Lisdoonvarna, R 155 990, 08/1984, HNMCG (**DBN**).

Add district 1.

Beta vulgaris L. subsp. *maritima* (L.) Arcang.

- 6 Among rocks N end of Furnace Is., 1984, CB. Oilean Maiséan (Mason Is.), one big clump near SE coast, 11/08/1984, TR. Duck Is. (off S point of Mweenish, very plentiful on otherwise almost barren stony island), 1983, TR (Webb & Scannell, 1984).

- 7 Three big plants at Dog's Bay, on a sandy path leading to N end of beach; one clump on Grainne O'Maille's Castle, 1/2 mile SE of Bunowen, 26/07/1984, TR.

Add district 6.

Halimione portulacoides (L.) Aellen ? ***Atriplex portulacoides*** L.

- 3 Brandy Harbour between N side of spit, 100 m W of pier, 05/1982, JJM (Webb & Scannell, 1984). 2.5 km SW of Brandy Harbour, M 365 146, 1985, HNMCG, *INJ* 22 (1988) 412.

- 4 One plant, saltmarsh behind shingle at mouth of small river between Caraduff and Dunbulcan Bay, M 378 183, 1986, HNMCG, *INJ* 22 (1988) 412

- 6 Salt marsh at Sruthán pier, NE of Carraroe, 1984, CB.

Add districts 3 & 6; Reinstate district 4.

Atriplex littoralis L.

- 2/3 A large, well established colony, at Aughinish Bay, 2 km E of New Quay, M 300 119, 07/1991, CR (1996).

Atriplex hastata auct. non L. ? ***A. prostrata*** Boucher ex DC.

- 2 Black Head, 07/1884, H.G.Carroll (**DBN**).

- 6 Mallrua, Mweenish, 22/09/1974, MS (**DBN**).

Add district 2 & 6. These specimens have been critically determined as *A. prostrata* (fide M. Jebb).

Sueda maritima (L.) Dum.

- 6 Salt marsh at Sruthán pier, NE of Carraroe, 1984, CB.

Salsola kali L.

- 2 One plant SE corner of An Trá Mór, 27/06/1989, Mrs. Karen Smith *in litt.* to **DBN**.

Polygonum polystachyum Wall. ex Meissn. ? ***Persicaria wallichii*** Greuter & Burdet.

- 7 Ellis Wood, Letterfrack, Connemara NP, 1986, J. Fitzharris.

Polygonum hydropiper L. ? ***Persicaria hydropiper*** (L.) Spach

Polygonum minus Huds. ? ***Persicaria minor*** (Huds.) Opiz

Polygonum mite Schrank ? ***Persicaria mitis*** (Schrank) Opiz

Polygonum persicaria L. ? ***Persicaria maculosa*** Gray

Polygonum lapathifolium L. ? ***Persicaria lapathifolia*** (L.) Gray

Polygonum amphibium L. ? ***Persicaria amphibia*** (L.) Gray

Polygonum amplexicaule Don ? *Persicaria amplexicaulis* (D.Don) Ronse Decr.
Polygonum campanulatum Hook.f. ? *Persicaria campanulata* (Hook.f.) Ronse Decr.
Reynoutria japonica Houtt. ? *Fallopia japonica* (Houtt.) Ronse Decr.
Reynoutria sachalinensis (Schmidt) Nakai. ? *Fallopia sachalinensis* (F.Schmidt ex Maxim.) Ronse decr.

Fallopia* × *bohemica (Chrték & Chrtkova) J. P. Bailey (F.japonica × F.sachalinensis)

6/8 (as *Polygonatum cuspidatum*, robust form) On roadside not far from houses, W of Maam (Cross) village, 2/11/1975, MS (**DBN**). Roadside near river & bridge, E of Recess, 09/1979, MS & Ann Conolly (**DBN**). 0.5 km W of Maam Cross, 16/09/1979, MS and A. Conolly (**DBN**).

7 Neglected cottage garden at Roundstone, 2 km N of W junction for Inishnee, L 72 42, 16/09/1979, MS & Ann Conolly (**DBN**).

Herbarium material of this newly recognised taxon was critically determined by J. P. Bailey. Plants mentioned were studied in the field by Dr. A. Conolly and later in the laboratory at Leicester University.

New to the *Flora*.

Oxyria digyna (L.) Hill

7 'At 1,000 ft. on Muckanaght', 1986, J.Fitzharris.

Rumex crispus L. subsp. *littoreus* (J.Hardy) Akeroyd

7 Shingle above high water mark, W of Letterfrack, 14/09/1977, MS (**DBN**).

New subspecies to the *Flora*.

Rumex hydrolapathum Huds.

1 One plant in marsh, Inchiquin L., 06/06/1997, I.Rippey *in litt.* to MS 14/10/1988.

Euphorbia exigua L.

2 Some 20 plants in limestone solution hollows, SE of Ballyvaughan below peak marked 1008 ft., M 24 06, 07/1984, HNMCG, *INJ* 22 (1988) 412.

Soleirolia soleirolii (Req.) Dandy

8 Walls outside Pier Bar, Cleggan, 1986, J. Fitzharris.

Parietaria diffusa Mert. & Koch ? ***Parietaria judaica*** L.

7 Lettermullan Is., on old castle wall, S of graveyard, L 85 22, 03/1984, TR.

Add district 7.

Betula pubescens subsp. *carpatica* (Willd.) Asch. & Graebner ? ***Betula pubescens*** subsp. *tortuosa* (Ledeb.) Nyman

Salix atrocinerea Brot. ? ***Salix cinerea*** subsp. *oleifolia* Macreight

Salix herbacea L.

8 'Sheets of ..' S of Maumeen Gap at 2,000 ft, 23/05/1990, TGFC.

Populus tremula L.

3 Western side of Lough Gealáin, E.C.Nelson.

Hammarbya paludosa (L.) Kuntze

6 Near Cashel, L803 425, TGFC, 1980.

Confirm district 6.

Neottia nidus-avis (L.) Rich.

4 One fruiting spike in an ashwood, inland from the road, Ross Wood, N of Moycullen, 15/09/1991, MS.

Listera cordata (L.) R.Br.

7 15-20 plants, 'very pallid and with large leaves', in the ruined Tower house on the island, Loch Bhaile na hInse (Ballinahinch), 11/08/1984, TR.

Reinstate district 7.

Spiranthes spiralis (L.) Chev.

- 6 In several inland stations, SE of Carraroe; In coastal turf by W side of Cashla Bay; On coastal turf by shore at SE point of Gorumna Is; E side of Gorumna, 1984, CB.
- Spiranthes romanzoffiana* Cham.
- 8 E of Killateeun by shore of Lough Mask, M 065 625, TGFC.
- Orchis morio* L.
- 7 Knock Head – Mannin Bay, and Doonloughan, L 600 432, TGFC, 23/05/1990. Nr. Craiggemore, L 700 450, Roundstone Bog, 05/1985, CR (DBN).
- Dactylorhiza maculata* (L.) Soó subsp. *elodes* (Griseb.) Soó
- 7 Urrisbeg, *in litt.* to DBN, 05/05/1980, DL.
New subspecies to the *Flora*.
- Dactylorhiza traunsteineri* (Sauter ex Reichb.) Soó
- 3 With *Carex dioica*, NW shore of L. Muckanagh, *Bull Ir. Biog. Soc.* 8 (1985) 118.
- 7 Marsh on Mannin dunes with *Carex dioica*, 07/1983, TGFC.
- Dactylorhiza* spp.
- Bateman & Denholm (1983) have studied in detail populations of marsh-orchids in the following districts; 1, Ballycotteen; 2, Caherbannagh; and 7, Clifden.
- Ophrys insectifera* L.
- 2 Carnsefin, ‘a good colony’, 1/03/1984, S.L.M.Karley.
- Neotinea maculata* (Desf.) Stearn
- 2 Summit of Mullaghamore, Joan Crichton *in litt.* to MS, 29/07/1989.
- Pseudorchis albida* (L.) A. & D. Love
- 7 Little Killary, rough pasture overlooking harbour, L 75 64, small colony noted in June 1992 by Gordon D’Arcy (Cotton et al. 1994).
- (8) In *Cybele* (1898) this orchid is reported from ‘Ben Leir, Glentraigue, Galway, Miss M.F. Jackson’. No recent record.
Reinstate to the *Flora*; add district 7.
- Coeloglossum viride* (L.) Hartm.
- 7 Drift banks at the land end of Dog’s Bay, Roundstone, 1981, CB.
- Platanthera chlorantha* (Custer) Reichenb.
- 2 Frequent on rough moist heath S of Salruck, 1986, J.Fitzharris.
Reinstate district 2.
- Sisyrinchium bermudiana* L.
- 6/8 Along the edge of a wet roadside ditch, in vegetation dominated by *Juncus articulatus*. Near Derrynreen Lough, L 88 46, 08/08/1999, J. Conaghan, *Irish Bot. News* 10 (2000) 55
New to the *Flora*.
- Tritonia* × *crocosmiiflora* (Lemoine ex Burb. & Dean) Nicholson ? *Crocosmia* × *crocosmiiflora* (Lemoine ex Burb. & Dean) N.E.Br. (*Crocosmia pottsii* × *C.aurea*)
- Narthecium ossifragum* (L.) Huds.
- 2 In a damp peaty area, at 270 m on Pobhach Bhrainin, 08/1987, E.C.Nelson (DBN). On the E side of Capanwalla; on the N slopes of Gleninagh, 1987, E.C.Nelson, *Watsonia* 17 (1989) 359.
Add district 2.
- Allium babingtonii* Borrer ? *A. ampeloprasum* L. var. *babingtonii* (Borrer) Syme
- 4 Damp hollow, base of wall nr. Connemara Gateway Hotel, SE of Oughterard, 1982, DL, *INJ* (1984) 287.

- 6 Birr Mor, W of Feenish Is. 'a dozen or more in a little group by a ruined house near SW point of island', 25/06/1983, TR.
- 7 Murvey, between Roundstone & Ballyconneely, L 67 39, TGFC, 1996.
Add district 4.

***Allium schoenoprasum* L.**

- 3 'Several plants in flower in open stony ground, close to roadside, just SW of L. Gealáin, near Mullaghmore', A.S.Dunn *in litt.* to DAW, 10/05/1985. Rinnamona, S inlet of fen, R 296 935, Mooney, 1998.
- 8 On both sides of the Clonbur River, M 10 57, 05/1994 CR (1996).
New to the *Flora*.

***Juncus tenuis* Willd.**

- 6 Roadside N of Glendollagh Lough, L 84, *INJ* 23 (1991) 465.
- 6/8 South shore of Lough Shindilla, L 95 45, 07/08/1999, J. Conaghan, *Irish Bot. News* 10 (2000) 54.
- 8 Grass margin of forest track, periphery of plantation, Curraghduff, Currarevagh demesne, ENE of Oughterard, 14/09/1991, MS and Reitze ten Cate.
Add district 6.

Juncus inflexus

- 8 N shore of Laughaunierin, M 01 46, 07/08/1999, J. Conaghan, *Irish Bot. News* 10 (2000) 55
Add district 8.

***Juncus planifolius* R.Br.**

- 6 Scannell (1975) provided details of distribution in the Carna-Glinsk peninsula. In 1988, N. D. Lockhart, with M. O'Connell and others carried out vegetation sampling of a 'quaking scraw community' at L. Corker, 2.5 km W of Carna village (not marked on field maps – L 766 335). In one area, *J. planifolius* is an 'important component.' The species is easily seen from a distance because of its clustered habit and reddish-brown colouration in summer. See remarks under *Haloragis micrantha* re. Knockboy.
- 8 Roadside and lake-shore N of Derryneen Lough, L 88 46, 'the station appears to be the most northerly in the region, lying just N of the main Galway to Clifden road.' 08/08/1999, J. Conaghan, *Irish Bot. News* 10 (2000) 55.

Add district 8.

This species is native to Australia, New Zealand and South America. There are also several records for the species in Hawaii, and a single record from the Pacific Coast of Oregon (Balslev, 1980). It is now a frequent component of wet habitats in the Carna-Glinsk peninsula, but has scarcely spread beyond this region.

***Sparganium erectum* L. subsp. *microcarpum* (Neuman) Domin**

- 8 Near Cong, Map in *Crit. Suppl.* (1968) p. 144.
New to the *Flora*.

***Sparganium erectum* L. subsp. *neglectum* (Beeby) Schinz & Thell.**

- 8 At 2 sites between Maam & Cong, Map in *Crit. Suppl.* (1968) p. 145.
New to the *Flora*.

***Sparganium minimum* Wallr. ? *S. natans* L.**

***Lemna trisulca* L.**

- 2 In a pond at Burren village, M880 113, Peter Tattersfield *in litt.* to MS, 28/06/1988.
Reinstate district 2.

***Lemna minor* L.**

- 2 Large pond at Burren village, M 28 11, Preston et al. (1991).

***Lemna gibba* L.**

- 3 With *L. minor* in small pool on E side of road, St. Patrick's Well, Kinvarra Bay, M 33 12 (CGE, DBN), Preston et al. (1991).

Praeger (1939) published a record for Kilfenora, which he later retracted (1946) as a misidentification. This error was overlooked in the original *Flora*.

New to the *Flora*.

Lemna polyrhiza L. ? ***Spirodela polyrhiza* (L.) Schleid**

***Alisma plantago-aquatica* L.**

- 2 Large pond at Burren village, M 28 11, Preston et al. (1991).

- 6 Northern edge of Glendollagh Lough, L 84, Preston et al. (1991).

Add district 6.

***Luronium natans* (L.) Raf.**

- 6 In peaty water with *Eriocaulon aquaticum*, Invermore L., Derryrush, L 899 390, 10/06/1994, TCGR, G.Kaye and J.Kirschner (DBN), *INJ* 25 (1995) 140-145.

New to the *Flora*. Confirmed for Ireland with first fertile material.

***Butomus umbellatus* L.**

- 3 'In full flowering glory ...' in occasional clumps between the bridge, NW shore of lake and margin of R. Fergus, E of Corofin, 29/07/1984, HNMCG; also a few plants on NW shore, R 28 88, *Bull. Irish Biog. Soc.* 8 (1985) 118. Cloonleen Lough, R 340 825, JR, NMCG & TGFC, 30/07/1984.

Add district 3.

***Elodea canadensis* Michx.**

- 5 Eglinton Canal, Canal Road Upper, Galway, M 29 25; Arm of R. Corrib immediately W of St. Nicholas's Cathedral, Galway, Preston et al. (1991).

Add district 5.

***Hydrocharis morsus-ranae* L.**

- 3 In a ditch on W side of L. Muckanagh, 07/1984, J.White, not in flower (McGough, 1985). In a ditch about 1.25 km to the SW of Templebannagh L., with *Nuphar lutea*, R 375 941, P. Tattersfield, *in litt.* to MS, 28/06/1988.

Reinstate to the *Flora*. Confirmation of Mackay record (1806).

***Potamogeton natans* L.**

- 2 Caher R. SE of Caher Lower, M 16 07; Turlough at Carran, R 28 98, Preston et al. *INJ* 23 (1991) 466.

***Potamogeton coloratus* Hornem.**

- 2A 'small drain by the lake, Inishmaan,' 8/07/1976 DAW [as *P. natans*] (TCD det. C.D.Preston), first Aran record. Ditches W side of Ballindooly L., M 31 28 C.D.Preston et al. (1991) (DBN & CGE).

- 7 Seen at Creggduff L. on SW side, 1978, 1981, CB in report to DBN in 1984.

New to Aran Islands, add A.

***Potamogeton alpinus* Balbis**

- 6 Shallow water in flooded peat cutting, N side of Glendollagh L. with the aquatic form of *Juncus bulbosus* and *Scripus fluitans*, L 84, Preston et al. (1991) (CGE).

- 8 Washed up in quantity on S shore of L. Mask at Ferry Bridge, M 06 58, Preston et al. (1991) (CGE & DBN). In muddy bay on NE side of Dooros peninsula, S of Derry Rocks, 07/2000, CB (DBN).

Add districts 6 & 8.

***Potamogeton lucens* L.**

5 Eglinton Canal, Canal Road Upper, Galway, M 29 25, Preston et al. (1991).

8 Lough Mask, on SW side of Annagh Point, M 07 63, Preston et al. (1991).

Add district 5.

***Potamogeton crispus* L.**

4 N end of Ballycuirke L., M 22 32, Preston et al. (1991).

***Potamogeton pusillus* L.**

5 Arm of R. Corrib W of St. Nicholas's Cathedral, Galway, M 29 25 (**DBN & CGE**), Preston et al. (1991).

Add district 5.

***Potamogeton pectinatus* L.**

5 Eglinton Canal, Canal Road Upper, Galway, M 29 25, Preston et al. (1991).

Add district 5.

***Potamogeton filiformis* Pers.**

3 SE side of Lough George, NE of Corofin, R 33 90, 18/07/1994, C.Preston.

7 Sandy corner on NW side of Aughrosbeg L., L 55 58, 6/09/1979, G.Halliday, *conf.* C.D.Preston (**LANC, TCD**), Preston et al. (1991).

8 SW of Annagh Point, L. Mask, M 07 63 (**CGE**), Preston et al. (1991). Sandy bay NE side of Dooros peninsula at Cassidy's bay, M 071 511, L. Corrib, 07/2000, CB (**DBN**).

Add districts 3 & 7.

***Potamogeton* × *nitens* Weber (*P. gramineus* × *P. perfoliatus*)**

4 N end of Ballycuirke L., M 22 32 (**CGE**) Preston et al. (1991), Confirms the 1906 record of Praeger.

Reinstate district 4.

***Potamogeton* × *nerviger* Wofg. (*P. alpinus* × *P. lucens*)**

1 Abundant in a short stretch of R. Fergus, N of bridge above Inchiquin L., growing with *P. natans*, *Hippurus vulgaris*, *Ranunculus peltatus* ... in deep water, R 266 913 (**DBN & CGE**), Preston et al. (1991). Confirmation of 1948 & 1952 records, the only known station in Ireland, otherwise only known from Lithuania.

Reinstate hybrid to the *Flora*.

***Potamogeton* × *sparganifolius* Laest. ex Fries. (*P. gramineus* × *P. natans*)**

7 E side of Ballynahinch R. and SW of Castle, collected in 1869 by A.G.More (**DBN, CGE**). Originally named as *P. polygonifolius* var. and *P. serotinus*, the hybrid was named by J.E.Dandy and G.Taylor, and confirmed by C.D.Preston. Overlooked in the *Flora*.

8 Noted in the Bealanabrack R. in 1968 by Preston et al. (1991). Confirmation of an old record.

Add district 7.

***Potamogeton* × *zizii* Koch ex Roth (*P. gramineus* × *P. lucens*)**

4 N end of Ballycuirke L., M 22 32 (**DBN & CGE**), Preston et al. (1991).

8 Lough Mask, NE of Annagh Point, M 08 64, Preston et al. (1991). Ashford Castle demesne, TGFC, 06/07/1973

Reinstate district 4.

***Ruppia maritima* L.**

3 Brackish pond near W end of Auhinish peninsula, M 27 13; brackish ponds SW of Parkmore, Kinvarra Bay, M 33 12, Preston et al. (1991).

4 In pools behind extensive shingle/boulder beach at W tip of Tawin Island, M 305 191, 186 (**DBN**) E. Wymer, M. Quirke, AML, and HNMCG (McGough, 1988).

Scirpus cespitosus L. ? ***Trichophorum cespitosum*** (L.) Hartman

- 2 On the plateau W of Feenagh, usually in 'minibogs' that develop in small hollows on the higher limestone plateau, 17/05/1983, JJM (Webb & Scannell, 1984).

Add district 2.

Scirpus fluitans L. ? *Eleogiton fluitans* (L.) Link

Scirpus setaceus L. ? *Isolepis setacea* (L.) R. Br.

Scirpus cernuus M. Vahl. ? *Isolepis cernua* (M. Vahl) Roemer & Schultes

Scirpus lacustris L. ? *Schoenoplectus lacustris* (L.) Palla

S. lacustris subsp. *tabernaemontani* (C. Gmelin) Syme in Sowerby

? *Schoenoplectus tabernaemontani* (C. Gmelin) Palla

Scirpus maritimus L., ? *Bolboschoenus maritimus* (L.) Palla in Koch

Eriophorum angustifolium Honck.

2A Inishmaan, 11/06/1987, CB (DBN).

Rhynchospora fusca (L.) Aiton fil.

4 Bog between Gortachalla L. and Ross L., 1983, DL (Webb & Scannell, 1984).

Add district 4.

Carex spicata Huds.

4 Grassland near margin of R. Corrib below Menlough Castle, M 29 27, 1984, HNMCG INJ 22 (1988) 413.

Add district 4.

Carex curta Good.

7 Craiggamore, Urrisbeg (Errisbeg), and var. *glabrescens*, near Roundstone; INJ 21 (1912) 238 [Overlooked in the *Flora*]; In the scraw community of Loch an Chorcaill (Corker L.), 2.5 km W of Carna village, L 766 335, N.D.Lockhart et al. INJ 23 (1989) 128-129 [This paper also records a sighting from N of Inveran, District 5].

Add district 7.

Carex pendula Huds.

8 Ashford Castle woods, TGFC, 06/07/1973.

Add district 8.

Carex punctata Gaud.

6 SW shore of Cashla bay between Pointa and Church, L 92, where FW seepage meets the shore, with *C. extensa* and *Juncus gerardi*, 09/1983, CB, DBN. ca. 200 plants on damp coastal turf W of small boatslip at Pointa, S of Carraroe, CB, 1985.

7 Some 6 plants in damp ground by the sea ca. 0.5 km NW of Erriseask House Hotel, Ballyconneely; other stations about Mannin bay, headland SW of Coral strand, headlands SW and NW of the river flowing from L. Emlaghnebehy into Mannin Bay, CB *in litt.* to MS 11/1990.

Add district 6.

Carex × *fulva* Gooden. (*C. hostiana* × *C. viridula*) [as *C. demissa* in *Flora*]

2A In damp peat hollows of pavement N of school on Inishmaan, with both parents in association with *Schoenus*, *Pinguicula vulgaris*, 1984, CB, confirmed by A.O.Chater & R.W.David.

First confirmed record for the *Flora*.

Carex demissa Hornem. ? *C. viridula* Michaux subsp. *oedocarpa* (Andersson) B. Schmid

Carex lepidocarpa Tausch ? *C. viridula* subsp. *brachyrrhyncha* (Celak.) B. Schmid

6 Marsh by W side of road, 1 km S of Comprehensive school, Carraroe, 1984, CB.

7 Marshes on Slyne Head peninsula, NW Truska Lough and S of Manninmore Lough.

8 Drift banks by Owentooey river, 3 km NW of Recess.

Add districts 6, 7 & 8.

C. serotina auct., non Mérat? *C. viridula* subsp. *viridula*

Carex riparia Curtis

1 In marshy ground by the outflow of Lough Ballycullinan, S of Corofin, R 29 87, 27/05/1969, MS (DBN).

4 The specimen cited in the *Flora* (DBN) was redetermined as *C. lasiocarpa* by A.O.Chater in 1983 (Webb & Scannell, 1984).

Add district 1, delete district 4.

Carex rostrata Stokes

6 With *C. lepidocarpa* in marsh at Keeraunmore townland SE of Carraroe, 1984, CB. E end of Oorid Lough, L 93 46, Preston et al. (1991).

Reinstate district 6.

Milium effusum L.

8 Common on a wooded island S. of Cong, M 14 53, 08/1993, CR (1996) Confirmation of the species in H16 (Praeger 1899 in DBN).

Reinstate to the *Flora*.

Alopecurus geniculatus L.

8 Wet stony ground 1 km NW of Ballydoolagh, N of Cornamona, 1984, CB.

Ammophila arenaria (L.) Link

5 Sandy ground E of car park by shore at Knock townland E of Inveran, 1984, CB.

Add district 5.

Calamagrostis epigejos (L.) Roth

2A Inishmaan, L 944 057, TGFC, 1999.

Holcus mollis L.

7 Derryclare Wood. 'Forming a matted vegetation ...' Fergusson & Westhoff (1987).

8 A small population in woodland, grounds of Currarevagh House Hotel, by L. Corrib, ca. 1986, S. M. Walters (1987).

Add districts 7 & 8.

Holcus × *hybridus* Wein (*H. lanatus* × *H. mollis*)

1 In felled woodland near Clifden Hill, W side of Inchiquin L., R 2 8 (TCD) (Kelly & Webb, 1983).

Confirmed for the *Flora*.

Avena strigosa Schreb.

2A An Fhearbada, Inishmaan, L 944 044, TGFC, 1999. Port Corríuch Beag, Inishmore, L 845 110, TGFC et al., 1987. An Baile Thíos, L 976 027, TGFC et al., 1987.

New to the *Flora*.

Avena fatua L.

3 Drumharsna, Ardrahan, 02/08/1974, H. O'Donnell (DBN).

New to the *Flora*.

This specimen was marked as coming from H 17 (North East Galway), whereas this locality is actually in H15 (South East Galway) and thus in the *Flora* area. We are grateful to Sylvia Reynolds for uncovering this error, which is also incorrectly incorporated in the Census Catalogue (see Occasional Paper 5 (1990) p. 35).

Avenula pubescens (Huds.) Dum. ? *Helictotrichon pubescens* (Huds.) Pilg.

7 Mannin Bay beach, N side of peninsula, and Slyne Head, 1989, CB.

Trisetum flavescens (L.) Beauv.

2A Dry rocky ground at base of walls, several stations on Inishmaan, usually on rough tracks leading from village to S side of island, 1984, CB.

Reinstate to Aran.

Deschampsia setacea (Huds.) Hack.

6 Camus oughter, Lough an Niocháin, L 95 36, Bleasdale, 1991.

Sesleria albicans Schultes ? ***S. caerulea*** (L.) Ard.

6 Calcareous sea sand, An Leathchartúr, M 00 20, 05/1993, CR. NE corner Múinis Island, L 76 29, 06/1985, CR (1996).

Add district 6.

Molinia caerulea (L.) Moench. subsp. ***arundinacea*** (Schrank) K. Richter

4 A few plants near lake shore in *Schoenus* fen, on An tOileán Mór, L. Corrib, M 248 331, 07/1991, CR (**DBN**). (1996).

Catabrosa aquatica (L.) Beauv.

7 Doonloughan, 1981, CB (Webb & Scannell, 1984). The subsp. *minor* (Bab.) F.H.Perring & P.D.Sell is noted in the *Crit. Suppl.* (1968) 151, for this area.

Lolium temulentum L.

‘Not common, Clare, W. Galway, E. Mayo, W. Mayo.’ Praeger (1909) p.211.

2 On thatched roofs of dwellings on Inishmaan; in fields on Inishmore, Inishmaan, and Inisheer - where it is a common weed of rye fields, Curtis et al. *INJ* 22 (1988) 505-512.

New to the *Flora*. Add 2 & A.

× ***Festulolium loliaceum*** (Huds.) Fourn. (*Festuca pratensis* × *Lolium perenne*)

3 By the river Fergus, ca. 2 km above Ennis, 1980, MS. N.B. The specimen in **DBN** with the above label is of *Lolium perenne*. The above taxon was examined and recognised in the field but when a specimen was taken to represent the finding, seemingly a robust *L. perenne* was pressed.

Vulpia myuros (L.) Gmel.

7 On gravelly roadside 0.5 km W of Kylemore Abbey, Letterfrack, 06/1998, CB (**DBN**).

This species has not been recorded in the *Flora* district since 1933. It was found near the walled garden at Kylemore Abbey, which was formerly the site of a lime kiln, and which was being restored in 1998.

Desmazeria rigida (L.) Tutin ? ***Catapodium rigidum*** (L.) C.E.Hubb.

Desmazeria marina (L.) Druce ? ***Catapodium marinum*** (L.) C.E.Hubb.

Poa subcaerulea Sm. ? ***Poa humilis*** Hoffm.

2 Vicinity of Ballyvaughan, Map in *Crit. Suppl.* (1968) p. 150.

7 Roundstone Bog, Map in *Crit. Suppl.* (1968) p. 150.

New to the *Flora*.

Glyceria maxima (Hartman) Holmberg

7 By the Dawross R. W of Tullywee Bridge, DL (Webb & Scannell, 1984).

New to the *Flora*. (This name should be deleted from page xxviii, line 25, of the *Flora*).

Glyceria plicata Fr. ? ***G. notata*** Chevall.

Bromus sterilis L. ? ***Anisantha sterilis*** (L.) Nevski

Bromus ramosus Huds. ? ***Bromopsis ramosa*** (Huds.) Holub

Bromus racemosus L.

2A Inishmaan, Dun Fearbh, and Gleann an Iomair, L 942 047, TGFC et al., 1987.

7 N.W. of Moyard, 4 miles north of Clifden, MS, L 68 57, 26/06/1968 (**DBN**).

Bromus hordeaceus L. subsp. ***thominei*** (Hardouin) Braun-Blanq.

1 North of Ennistymon, Map in *Crit. Suppl.* (1968) p. 151.

7 Vicinity Mannin Bay, Map in *Crit. Suppl.* (1968) p. 151.

8 Vicinity Oughterard, Map in *Crit. Suppl.* (1968) p. 151.

In the *Flora* this subspecies was tentatively recorded for Inishbofin, a record not accepted by Perring & Sell (1968).

New to the *Flora*.

Bromus* × *pseudothominei P.M.Sm. (*B. hordeaceus* × *B. lepidus*)

7 Gowlaun east of Lettergesh, L 73 62, 31/07/1975, MS (DBN).

New to the *Flora*.

Elymus repens (L.) Gould ? ***Elytrigia repens*** (L.) Desv. ex Nevski

Elymus farctus (Viv.) Runem. ex Meld. ? ***Elytrigia juncea*** (L.) Nevski

****Spartina pectinata*** Link

6 Costello Lodge, L 975 264, still present in the 1990s (Tom Curtis pers.comm.).

Briefly mentioned in the *Flora*, in the introduction to the grasses, but not listed. This native to temperate North America still survives amongst native vegetation in the grounds of Costello Lodge.

Taxus baccata L.

7 Craiggamore L., W. Tomlinson, *Proc. Belfast Nat. Field Club* 6(3) (1910) 295; notes the folklore use of Yew.

PTERIDOPHYTES

Ophioglossum vulgatum L.

6 'Dozens of plants', at Birr Beg, N. of Birr Mor (W of Feenish Is.) 25/06/1983, TR. On Birr Beg Is., 2 km SE of Finish. (Webb & Scannell, 1984). 'I photographed a fair packet ..' on Inisheer, near wreck of 'The Plassey', 06/1980. S.M.Karley *in litt.* to MS, 03/1984.

7 Land end of Dog's Bay, with *Hydrocotyle vulgaris* at S end of tombola, 1984, CB. On heathy ground by the SW of river flowing from L. Emlaghneahy into Mannin Bay, 2/11/1990, CB, *in litt.* to MS.

Ophioglossum azoricum C.Presl.

6 Short turf by the sea at Mace Head, L 73 32, and Ardmore Point, L 81 28, 06/1992, CR.

New to the *Flora*.

Botrychium lunaria L.

2/3 Rocky limestone terrain, Clooncoose, R 29 95, G.Doyle.

3 In woodland, Creehaun E of Mullaghmore below 200 ft contour, divisions 2 & 3, R 335 950, 06/1984, G.Doyle.

7 Near Tullycross, 1982, DL (Webb & Scannell, 1984). Doonloughan, 23/05/1990, TGFC. Doomore, M 3 0, 1988, MS & M.Sheehy Skeffington. One plant on rocky outcrop on S side of estuary of stream from L. Emlaghneahy to Mannin Bay, CB *in litt.* to MS, 3/04/1992. Frequent on shell sand N of Erriseask House Hotel, Ballyconneely, 1993, CB.

Add district 3.

Osmunda regalis L.

1 'Guided by sketch map of Mary Angela Keane ... several plants below peat bank on S side of bog road out of Lisdoonvarna, 3/06/1984', *in litt.* to DAW from A.S.Dunn, 10/05/1985.

Asplenium viride L.

8 Crags on the N. face of Benbeg ridge, 400-500 m, L 95 57, CR. Crags on N & E face of Benwee 500-600 m, L 87 59, CR. Maumturkmore, 300 m, L84 56, CR (1986).

***Asplenium adiantum-nigrum* L.**

7 At 1,200 ft on Muckanaght, 1986, J.Fitzharris.

***Ceterach officinarum* DC.**

7 On mortared wall of the 'Fort', N of Roundstone, 03/1984, TR.

***Gymnocarpium dryopteris* (L.) Newman**

(1/2) 'Roadside between Broadford (sic =Roadford) village and the Cliffs of Moher, Clare; T.H.Wright', *Cybele Hibernica* (1898). A herbarium specimen at **BEL** was cited by Praeger (1939: p.254), the label states 'near Roadford, Co. Clare (in the wild district of Burren) sparingly, Thos. Wright Jnr. Aug 1876' (Confirmed by Paul Hackney, *in litt.* to MS on 28/03/1990). There are two fronds on the sheet, one was collected by S. A. Stewart.

New to the *Flora*, omitted in error in 1983.

***Cystopteris fragilis* (L.) Bernh.**

5 On bridge, Eglington Canal, Canal Rd Upper, Galway M 29 25, Preston et al. (1991).

6/8 South shore of Lough Shindilla, L 95 45, 07/08/1999, J.Conaghan, *Irish Bot. News* 10 (2000) 54.

7 Occasional in Ellis Wood, Connemara National Park, 1986, J.Fitzharris. S.E. of Maamtrasna in stream gully at Skeltia, Sept. 1990, L 97 64, CR (**DBN**).

Add district 5.

***Dryopteris pseudomas* (Wall.) Holub. & Pouzar**

? *Dryopteris affinis* (Lowe) Fraser-Jenk. subsp. *affinis*

***Polystichum lonchitis* (L.) Rothm.**

8 Crags on the N. face of Benbeg ridge, 400-500 m, L 95 57, CR (1996).

***Thelypteris limbosperma* (Bellardi ex All.) H.P. Fuchs**

? *Oreopteris limbosperma* (Bellardi ex All.) Holub

6/8 South shore of Lough Shindilla, L 95 45, 07/08/1999, J.Conaghan, *Irish Bot. News* 10 (2000) 54.

Thelypteris phegopteris* (L.) Slosson in Rydb.? *Phegopteris connectilis* (Michaux) Watt**Polypodium vulgare* L.**

7 Frequent as an epiphyte on oak, birch, ash, hawthorn, sycamore, hazel and yew in Derryclare Wood, Fergusson & Westhoff (1987).

Polypodium australe* Fée ? *P. cambricum* L.**Equisetum variegatum* F.Weber & D.Mohr**

4 A small colony on limestone shore of Lough Corrib, M 24 34, 06/1995, CR (1996).

Add district 4

***Equisetum* × *rothmaleri* C.N.Page (*E. arvense* × *E. palustre*)**

2 Caher R. valley, 08/1984, C.N.Page *in litt.* to MS, 17/08/1984.

New to the *Flora*.

***Equisetum* × *dycei* C.N.Page (*E. fluviatile* × *E. palustre*)**

2 Caher R. valley, 08/1984, C.N.Page *in litt.* to MS, 17/08/1984.

New to the *Flora*.

***Lycopodium clavatum* L.**

(5) Killaguile, M 14 38, S of Oughterard, ca. 1890, Miss M.F.Jackson (fl. 1898) of Cong. The high ground to the west has been afforested in recent times, but might be worked to seek this species.

8 Cliffs above Lough Nadirkmore, TGFC & A. Bleasdale, 1995.

Confirmed for the *Flora*, add district 8.

***Diphasium alpinum* (L.) Rothm. ? *Diphasiastrum alpinum* (L.) Holub.**

8 S of Maumeen Gap, at 2,000 ft, 23/05/1990, TGFC.

Lepidotis inundata (L.) Börner ? *Lycopodiella inundata* (L.) Holub.

- 7 'On the margin of a small lake, the property of James Ellis Esq., near Letterfrack, Henry Seebohm, 1855' (DBN), Scannell (1993).

Isoetes lacustris L.

- 5 Frequent in L. Slieveaneena between Moycullen-Spiddal, M 15 30, 1985, HNMCG INJ 22 (1988) 412.

Add district 5.

Isoetes setaceae Lam.

- 1 Lough Goller, R 13 96, 06/1990, Osborne & Doyle (1992).

Add district 1.

ACKNOWLEDGEMENTS

The authors would like to extend their thanks to the numerous local and visiting field botanists who have sent records, specimens and information over the years, especially Con Breen, Niall O' Carroll, Tom Curtis, Hugh O'Donnell, J. Fitzharris, Rev. G. G. Graham, Paul Green, S. M. Karley, Doreen Lambert, R. V. Lansdown, A. M. Logan, H. Noel McGough, J. J. Moore, E. Charles Nelson, Chris Preston, Rev. A. L. Primavesi, Sylvia Reynolds, Tim Rich, Ian Rippey, Tim Robinson, Cilian Roden, Sarah Webster, and Mike Wyse Jackson. Grace Pasley checked the manuscript against several references and pointed out many additional records. Tom Curtis provided many unpublished corrections and additions to the manuscript. Paul Hackney, Keeper of Botany, Ulster Museum has been most helpful, communicating information regarding specimens under his care (BEL).

REFERENCES

- Allen, D. E. 1993. Further Irish bramble records. *Irish Nat. Journ.* **25**: 251-252.
- Allen, D. E. 1999. Brambles of Connemara and South Mayo *Irish Nat. Journ.* **26**: 181-184.
- Anon. 1908. Departmental committee on Irish Forestry, minutes of evidence, appendices and index. Dublin: HMSO.
- Bailey, J. P. and Connolly, A. P. 1985. Chromosome numbers of some alien *Reynoutria* species in the British Isles. *Watsonia* **15**: 270-271.
- Ball, J. 1839. Botanical notes of a tour in Ireland. *Ann. Nat. Hist.* **II**: 35.
- Balslev, H. 1980. *Juncus planifolius* (Juncaceae) in North America. *Brittonia* **32**: 51-54.
- Bateman, R. M. & Denholm, I. 1983. A reappraisal of the British and Irish Dactylorhichs, 1. the tetraploid marsh orchids. *Watsonia* **14**: 347-376.
- Cabot, D. 1999. *Ireland*. London: Harper Collins.
- Carroll, I. 1857. Notice of scarce Irish plants. *The Phytologist* **2**: 76.
- O'Connell M. 1982. *Ranunculus sceleratus* and *Rorippa sylvestris* (L.) Bess. near Spiddal, West Galway. *Irish Nat. Journ.* **20**: 506.
- Cotton, D. C. F., Cawley, M., Roden, C. M. 1994. On the occurrence of *Pseudorchis albida* in Sligo, Leitrim and Galway. *Irish Nat. Journ.* **24**: 468-471.
- Curtis, T. G. F., McGough, H. N. & Wymer, E. D. 1988. The discovery and ecology of rare and threatened arable weeds, previously considered extinct in Ireland, on the Aran Islands, Co. Galway. *Irish Nat. Journ.* **22**: 505-512.
- Curtis, T. G. F., McGough, H. N. 1988. *The Irish red data book. I Vascular plants*. Dublin: Stationery Office.

- David, R.W. 1981.** The distribution of *Carex punctata* Gaud. in Britain, Ireland and the Isle of Man. *Watsonia* **13**: 318-321.
- Doyle, G.J. 1993.** *Cuscuta epithimum* (L.) L. (Convolvulaceae) its hosts and associated vegetation in a limestone pavement habitat in the Burren in County Clare (H9) Western Ireland. *Proc. R. Irish Acad.* **93B**: 62.
- Druce G. C. 1907.** Notes on a botanical expedition in Ireland in September 1906. *Irish Nat. Journ.* **11**: 146-153.
- Edees, E.S. and Newton, A. 1988.** *Brambles of the British Isles*. London: Ray Society.
- Fergusson D. K. & Westhoff, V. 1987.** An account of the flora and vegetation of Derryclare wood, Connemara (Co. Galway), Western Ireland. *Proc. Konin. Neder, Akad. v. Wetenschappen* **90** Ser. C 2: 139-172.
- Forbes, R. S. 1989** The population behaviour of pyramidal bugle, *Ajuga pyramidalis* L. in the Burren, Co. Clare. *Irish Nat. Journ.* **23**: 54-59.
- Foss, P. J., Doyle, G. J. & Nelson, E. C. 1987.** The distribution of *Erica erigena* R. Ross in Ireland. *Watsonia* **16**: 311-327.
- Graham, G.G. & Primavesi, A. L. 1993.** *Roses of Great Britain and Ireland*, BSBI Handbook No. 7. London: BSBI.
- Green, P. 1989.** *Haloragis micrantha* - creeping raspwort, *BSBI News* **51**: 48.
- Hart, H. C. 1883.** Report on the flora of the Mayo and Galway mountains. *Proc. Royal Irish Acad. ser.2.,* **3**: 694-768.
- Jebb, M.H. P. 1998.** David Allardice Webb (1912-1994). *Glasra* **3**(2):173-174.
- Kelly, D. L. & Webb, D. A. 1983.** Hybrid *Holcus* in Ireland. *Irish Nat. Journ.* **21**: 92-93.
- Lansdown, R.V. 1998.** Callitriche, in Rich, T.C.G. & Jermy, A.C. (Eds) *Plant Crib 1998* pp. 246-254. London: BSBI.
- Lambert, D. 1969.** Double forms of *Potentilla procumbens* in Connemara. *Irish Nat. Journ.* **16**: 142.
- Lockhart, N. D., O'Connell, M., Sheehy Skeffington, M. and Van Doorslaer, L. 1989.** Scraw (Schwingmoor) plant communities at Loch an Chorcail, Carna, Co. Galway. *Irish Nat. Journ.* **23**: 128-134.
- Mackay, J. T. 1806.** A systematic catalogue of rare plants found in Ireland. *Trans. of the Dublin Society*, **5**: 121-184.
- McAllister, H. A. & Rutherford, A. 1990.** *Hedera helix* L. and *H. hibernica* (Kirchner) Bean (Araliaceae) in the British Isles. *Watsonia* **18**: 7-15.
- McEvoy, T. 1954.** A review of Irish forestry. *Irish Forestry* **11**: 20-27.
- McGough, H. N. 1985** (dated **1984**). Field meeting to the Ballyeigher Loughs, Corrofin, Co. Clare, 29 June - 2 July 1984. *Bull. Ir. Biogeog. Soc.* **8**: 118-119.
- McGough, H. N. 1988.** Additions to and notes on the flora of Clare (H9), Galway (H15-17), Longford (H24) and Leitrim (H29). *Irish Nat. Journ.* **22**: 411-413.
- Meikle, R. D. 1997.** *Viola* sp. in Co. Clare (H9). *Irish Nat. Journ.* **25**: 348-9.
- Minchin, D. and Minchin, C. 1996.** The sea-pea *Lathyrus japonicus* Willd. in Ireland, and an addition to the flora of West Cork (H3) and Wexford (H12). *Irish Nat. Journ.* **25**: 165-169.

- Moore, A.G. 1892.** *Cuscuta epithymum* in Ireland. [footnote re *Cuscuta epilinum* by editor, J.B.Britten.] *J. Botany* **30**: 14.
- Moore, J.J. 1964.** Irish region report for 1963. *Proc. Bot. Soc. Br. Isles* **5**: 396.
- Moore, J.J. 1965.** Irish region report for 1964. *Proc. Bot. Soc. Br. Isles* **6**: 184.
- Nelson, E. C. and Walsh, W. F. 1991.** *The Burren: a companion to the wildflowers of an Irish limestone wilderness*. 343 pp. Dublin: Boethius Press.
- Newton, A. 1986.** An Irish Bramble Foray, *Irish Nat. Journ.* **22**, 62-67.
- Osborne, B. A. & Doyle G. J. 1992.** Occurrence and habitat of the spring quillwort *Isoetes setacea* Lam. In Lough Goller, Co. Clare (H9). *Irish Nat. Journ.* **24**, 108-110.
- Palin, M.A. 1988.** *Ligusticum scoticum* L. *J. of Ecology* **76**: 890.
- Perring, F.H. & Sell, P.D. (Ed) 1968.** *Critical supplement to the atlas of the British flora*. 159 pp. London: BSBI.
- Perring, F.H. & Walters, S. M. (Eds) 1962.** *Atlas of the British Flora*. 432 pp. London: BSBI.
- Praeger, R. Ll. 1909.** *A Tourists flora of the west of Ireland*. 243 pp. Dublin: Hodges Figgis.
- Praeger, R. Ll. 1928.** A new hybrid Rose. *J. Bot.* **66**: 87-88.
- Praeger, R. Ll. 1934.** *The Botanist in Ireland* 587 pp. Dublin: Hodges Figgis.
- Praeger, R. Ll. 1939.** A further contribution to the flora of Ireland. *Proc. R. Irish Acad* **45B**: 231-254.
- Praeger, R. Ll. 1946.** Additions to the knowledge of the Irish flora, 1939-1945. *Proc. R. Irish Acad.* **51B**: 27-51.
- Praeger, R. Ll. 1951.** Hybrids in the Irish flora: a tentative list. *Proc. R. Irish Acad.* **54 B**: 11.
- Preston, C. D., Stewart, N. F. & Webster, S. D. 1991.** Records of aquatic plants from Connemara and the Burren. *Irish Nat. Journ.* **23**: 464-467.
- Reynolds, S. C. P. & Scannell, M. J. P. 1992.** Herbarium of the Limerick Field Club (LIMFC): catalogue and history. *Occasional papers, National Botanic Gardens, Glasnevin*, **7**: 1-39.
- Rich, T. C. G., McKay, G. M. & Kirschner, J. 1995.** Floating water plantain *Luronium natans* (L.) Raf. (Alismataceae) present in Ireland. *Irish Nat. Journ.* **25**: 140-145.
- Robinson, T. 1977.** *The Burren - a two-inch map of the uplands of North-west Clare*. Roundstone: Folding Landscapes.
- Robinson, T. 1980.** *Oileán Árann - a map of the Aran Islands, Co. Galway, and a companion to the map*. Roundstone: Folding Landscapes.
- Robinson, T. 1997.** *Connemara parts 1 & 2. Introduction and Gazetteer, and map*. Roundstone: Folding landscapes.
- Roden, C. M. 1984.** New station for *Pinguicula grandiflora* Lam. and *Saxifraga × polita* (Haw.) Link in the west of Ireland. *Irish Nat. Journ.* **21**: 369.
- Roden, C. M. 1986.** A survey of the flora of some mountain ranges in the west of Ireland. *Irish Nat. Journ.* **22**: 52-59.
- Roden, C. M. 1995.** Wood bitter vetch *Vicia orobus* DC. on lake islands and limestone heath in Cos. Galway (H16, H17) and Mayo (H26). *Irish Nat. Journ.* **25**: 128-134.

- Roden, C. M. 1996.** New plant records from Mayo (H27), Galway (H15, H16, H17) and Clare (H9). *Irish Nat. Journ.* **25**: 299-301.
- Scannell, M. J. P. 1975.** The known distribution of *Juncus planifolius* R.Br. in Ireland. *Watsonia* **10**: 418-419.
- Scannell, M. J. P. 1976.** *Erica erigena* R.Ross: the second station in W. Galway. *Irish Nat. Journ.* **18**: 270-271.
- Scannell, M. J. P. & Synnott, D. M. 1987.** *Census catalogue of the flora of Ireland*. 171 pp. Dublin: Stationery Office.
- Scannell, M. J. P. 1988.** *Ajuga* × *hampeana* Braun & Vatke in the Burren: P.B.O'Kelly vindicated. *Irish Nat. Journ.* **22**: 488-489.
- Scannell, M. J. P. 1993.** Henry Seeböhm (1832-1895) and *Lycopodiella inundata* (L.) Holub in West Galway (H16). *Irish Nat. Journ.* **24**: 296-297.
- Wade, W. 1802.** *Catalogus plantarum rariorum in comitatu Gallovidiae, praecipue Cunnamara inventarum: or, a systematic account of the more rare plants, principally found in the county of Galway; but more particularly in that part of it called Cunnamara.* *Trans. Of the Dublin Soc.* **2**: 103-127.
- Walters, S. M. 1987.** *Holcus mollis* L. in W. Ireland. *BSBI News* **45**: 46.
- Walters, S. M. 1987.** A remarkable variant of *Bidens cernua* L. *BSBI News* **45**: 46.
- Webb, D. A. & Scannell, M. J. P. 1983.** *Flora of Connemara and the Burren*. pp. 332. Royal Dublin Society and Cambridge University Press.
- Webb, D. A. & Scannell, M. J. P. 1984.** Flora of Connemara and the Burren: some corrections and additions. *Irish Nat. Journ.* **21**: 286-288.
- Whilde, T. 1994.** *The natural history of Connemara*. pp. 336 London: Immel.
- Wyse Jackson, M. B. 1995.** Annotated records for rare, critical or under-recorded vascular plant taxa from Ireland. *Irish Nat. Journ.* **25**: 44-57.