

use of clothiers in Dublin (*FDub 1904*).

21, 38.

21 Ringsend Dump, Dublin 1990-95, disturbed ground; and *D. sativus* × *D. fullonum* nearby in 1995 (Reynolds 1997c, 1998b, **DBN**); same site 1998-99, hybrids and few almost pure *D. sativus* (SR).

38 * Ballymacarret 1915 (as *D. fullonum*, 'Fuller's Teasel' in *FNE 1938*; *FNE 1992*).

Scabiosa L.

S. columbaria L.

Small Scabious

39 Portrush "since 1955", around W Strand near Castle Erin (Kertland 1972).
Portrush golf course 1957, single plant in the rough (Chase 1958).

ASTERACEAE (Compositae)

Echinops L.

E. bannaticus Rochel ex Schrad.

Blue Globe-thistle

Rare garden escape.

21, 32.

21 * Ballyfermot 1987, persisting in waste ground (*FDub 1998*).

32 Wallace's Bridge, NE side of Muckno Lake 2000, large stand (Hill 2001).

E. sphaerocephalus L.

Glandular Globe-thistle

13 Roadside between Royal Oak and Goresbridge, garden escape (Booth 1979).

Carlina L.

C. acaulis L.

Stemless Carlina-thistle

Rare casual. In error for native *C. vulgaris* L. in Webb *et al.* (1996).

28 Killaspug Point, Strandhill c.1989; in 1991, 14 plants established in sand hills; this area, close to the runway of Sligo airport, was thinly planted with conifers c.1982 (Cotton & Cawley 1993, **DBN**).

Carduus L.

C. nutans L.

Musk Thistle

Probably introduced (*Cens Cat*).

Rather rare, e.g. in permanent pasture in E Cork 1986-87 (Smiddy 1988), and Tawin Island, SE Galway 1987 (Scannell & Jebb 2000); in reseeded field in Co. Down 1985, introduced with seed and gone 1986 (*FNE 1992*).

Cens Cat **5, 9, 12, 13, 15, 16, 21, 22, 27, 38-40.**

Also **30**, Lough Oughter 1968 (Reilly 2001).

Cirsium Mill.

C. eriophorum (L.) Scop. (*Carduus eriophorus*)

Woolly Thistle

19th C records only.

21, 34/40.

21 Near Sandymount 19th C, in fields (**TCD**).

34/40 Near Derry; not refound (*Cyb 1866*).

C. oleraceum (L.) Scop.

Cabbage Thistle

Rare garden escape; established in marshy ground near confluence of Barrow and Nore for over 40 years.

11, 12, 33.

11 Near Ringwood House, NNW of New Ross 1972, in damp field (Breen 1973, **DBN**).

12 * By tidal River Barrow, NNW of New Ross since 1958, where some plants regularly inundated; still there 2000 (P. Roche).

33 Between Enniskillen and Derrygonnelly, at cross roads just S of Monea church 1988-90, on roadside and by adjacent stream; possibly introduced with grain or animal feed (Northridge & Northridge 1992, **DBN**).

Onopordum L.

O. acanthium L.

Cotton Thistle

Rare casual on waste ground.

21, 38, 39.

21 Ringsend Dump 1983, 1986, 1994 (*FDub 1998*, **DBN**), also 1995 (SR).

38 Comber 1897-98, on distillery refuse and waste ground (**BEL**). Near Ballymacarrett Halt 1915 (Carrothers 1916). Campbell College 1922 (*FNE 1938*, **BEL**).

39 * Ballygalley Head 1890 (*FNE 1938*, **BEL**, **DBN**).

Cynara L.

C. cardunculus L.

Globe Artichoke

6 Monatray Middle 2001, three plants self-sown on cliff (P. Green); garden escape.

Silybum Adans.

S. marianum (L.) Gaertn. (*Mariana lactea*)

Milk Thistle

Rather rare; mainly near ruins, also in coastal habitats; less common than formerly, but long established at some sites.

* Waste places and cultivated ground, usually near houses and ruins; rare and uncertain in its localities (*Cyb 1866*); long established in some of its stations in sandy ground near the sea; more or less an obvious relic of ancient cultivation (*Cyb 1898*).

Cens Cat **1-12, 14, 16, 19-23, 31, 32, 36-40.**

Post-1970 records:

1 Illauntannig, Magherees 1982, amongst monastic ruins (Parnell *et al.* 1983); also on Magherree Islands at end of 19th C (*Cyb 1898*).

6 Bunmahon 2000, covering disturbed ground in corner of field (Green 2001b).

- 8** Beside Dysert castle, just S of Aughinish Island 1999 (Reynolds 1999b).
12 Bannow 1994, by old church (SR).
14 Still at Rock of Dunamase 1977 (*Cyb 1866*, Synnott 1979a).
20 Castle just W of Newcastle 1999, sparingly (SR); previously abundant there 1932 (Brunker 1950).
21 Still at Corballis 1983-84 (*FDub 1904*, *FDub 1998*).
31 Castle Roche 1975 (Synnott 1976, 1979a).
36 Still near Ardboe on shore of Lough Neagh (I. McNeill), where known for decades (Praeger 1946, Harron 1986).
38 Ballywalter 1975 (*FNE 1992*, **BEL**).

Centaurea L.

C. aspera L.

Rough Star-thistle

Rare casual; no modern records.

[8], **21**.

[8 Limerick City (Fogerty 1898); unreliable record.]

21 Portmarnock 1902-03, one clump of several plants in sandy pasture (Colgan 1903, *FDub 1904*).

C. calcitrapa L.

Red Star-thistle

Rare casual; no modern records.

4/5, **8**, [21].

4/5 Cork (**DBN**); old specimen.

8 Limerick 1900; specimen from the docks (Praeger 1900c, 1909a, **DBN**).

[21 Dublin Port 1933-34 (Reynolds & Nash 2001); no voucher specimen.]

C. cyanus L.

Cornflower

Rare arable weed; infrequent casual elsewhere, introduced with seeds, including wild flower seed mixtures.

* Cultivated land, rather rare and local (*Cyb 1866*); most frequent in flax crops (*Cyb 1898*) and established in NE and NW (*ITB 1901*). Introduced with flax and other seeds (e.g. *Cyb 1866*, *FNE 1888*, Adams 1909c); formerly widespread and marked decline since early 20th C (e.g. Scully 1916, Brunker 1950, Curtis *et al.* 1988, *FNE 1992*).

Cens Cat **1-6**, **8-10**, **12**, **13**, **19-23**, **29-40**, but many of these pre-1950.

Post-1987 records:

{3 Cape Clear 1995, probably introduced with wild flower seed (Akeroyd 1996).}

4 Kanturk 1999, in newly sown area of grass by River Allow (Green 2000b).

8 Ballykeeffe, NE of Mungret 1999; formerly cultivated field, reseeded in 1999 (Reynolds 1999b, **DBN**); not clear whether arable weed or introduced with seed. Beside Ballinacurra Creek, Limerick 2001; one plant just W of bridge near Crescent Shopping Centre; no other aliens nearby (S. Waldren and D. Lynn).

- 9** Inishmore 1987, in rye crop (Curtis *et al.* 1988).
21 Near St Margaret's 1989-90, from dormant seed; Sutton 1991, disturbed ground; near Bray 1992, roadside (*FDub 1998*, **DBN**). {Kilgobbin 1999, on roadside where wild flower mixture sown (SR).}
33 Enniskillen 1996, newly seeded lawn; introduced with grass seed, or dormant seed in imported topsoil (Northridge 1997).

C. jacea L.**Brown Knapweed**

Rare casual; no modern records.

21, 39.

21 Portmarnock, early 19th C (**TCD**).

39 * Drum Bridge 1796, 1918 (Praeger 1934a, *FNE 1992*).

C. melitensis L.**Maltese Star-thistle**

Rare casual; no modern records; introduced with feeding stuff (Adams 1909d) and grain.

8, 9, 20, 21, 38, 39.

8 Limerick 1894, 1897, 1900, docks and quarry (**DBN**; as *C. solstitialis* in Fogerty 1898, Praeger 1900c, 1909a, Reynolds & Scannell 1992).

9 Kilrush 1894, with ballast (**DBN**; as *C. solstitialis* in *Cyb 1898*, Praeger 1909a).

20 Kilcoole Station 1906; railway between Greystones and Kilcoole 1910 (**DBN**).

21 * Clontarf 1877 (**DBN**). Dublin 1917 (**BEL**). Dublin area 1921 (Grierson 1922). Guinness Brewery 1943-44, introduced with grain (as *C. calcitrapa* in Brunner 1944b, **DBN**).

38 Near Ballymacarrett Halt 1915 (Carrothers 1916). Campbell College (*FNE 1938*, **BEL**).

39 Stranmillis 1910 (Carrothers 1910), and 1915 (**DBN**).

C. montana L.**Perennial Cornflower**

Rare garden escape or discard.

4, 6, 30, 36, 38, 40.

4 Grenagh N of Blarney 1999, road bank (I. Green).

6 Grantstown 2000, waste ground (P. Green).

30 Drumard Road, Swanlinbar 1997, bank near dwelling (Reilly 2001, **DBN**).

36 Garden reject in a couple of places (I. McNeill).

38 * Newcastle 1845 (**TCD**).

40 Tulnagee 1988 (*FNE 1992*).

C. paniculata L.**Jersey Knapweed**

21 N of Rush 1870, single plant in cultivated field on coast (More 1872, **DBN**).

C. solstitialis L.**Yellow Star-thistle**

Rare casual; no modern records; introduced with lucerne seed and grain. Some published records for which there are no voucher specimens may be referable to *C. melitensis*.

4/5, 5, [8, 9], 21, 23, 38, 39.

4/5 * Near Cork, single plant among lucerne (*Cyb 1866*).

5 Near Whitegate 1896, two plants in meadow (*Cyb 1898*).

[8 Limerick City 1894, 1897, 1900 (Fogerty 1898, Praeger 1900c, 1909a, Reynolds & Scannell 1992); voucher specimens redetermined as *C. melitensis* (DBN).]

[9 Kilrush 1894 (*Cyb 1898*, Praeger 1909a); voucher specimen redetermined as *C. melitensis* (DBN).]

21 * Portmarnock 1821, probably introduced with seeds of lucerne (*Cyb 1866*, TCD), and other 19th C records from there, Kilbarrack (in a lucerne field) and Sutton (*Cyb 1898*, Hart 1900, DBN). Chapelizod 1920, rubbish heap (DBN). Ballsbridge 1921 (Grierson 1922). Custom House Docks 1923 (*FDub 1998*). [Dublin Port 1933-34 (Reynolds & Nash 2001).] Terenure 1933, waste ground (Wells 1933, DBN).

23 Moate 1933, amongst annuals in a garden (DBN).

38 Near Ballymacarrett Halt 1915 (Carrothers 1916). Campbell College, hen run (*FNE 1938*).

39 Belfast 1893/94, near distillery/flour mill (Stewart & Praeger 1894-95).

Cnicus L.**C. benedictus L.****Blessed Thistle**

21 Guinness Brewery 1943, introduced with Californian grain (Brunker 1944b, DBN).

Carthamus L.**C. lanatus L.****Downy Safflower**

21 Dublin 1935, one on waste ground near Sidney (Sydney) Parade; det. E.J. Clement (DBN).

C. tinctorius L.**Safflower**

Rare casual.

12, 21, 38, 39.

12 Killurin, WNW of Wexford town 2001, dump (R. Goodwillie).

21 Dublin 1919, in manured fields (Druce 1920). Ballyogan tip 1994, one (Reynolds 1996b).

38 * Near Ballymacarrett Halt 1915, waste ground (Carrothers 1916).

39 Stranmillis 1918, waste ground (DBN). Whitehead 1957, rubbish heap (Carrothers & Moon 1960; specimen with the same details in DBN is dated 1967).

Cichorium L.**C. intybus L.****Chicory**

Rather rare; on roadsides, banks and waste ground, also field margins; in some places probably an escape from cultivation; plants with less hairy yellow-green leaves, rounded distally and nearly entire margins were reminiscent of salad chicory (Reynolds 1997e, **DBN**); from discarded birdseed in a Co. Down garden (G. Day).

* Cultivated land, banks and waste places, rare; long persistent in fields where once cultivated (*Cyb 1866*); recorded from 24 vice-counties by 1900, but a mere casual in most of its stations (*ITB 1901*).

Cens Cat **1-6, 8, 9, 11-13, 15, 16, 18-23, 26-28, 30-32, 34-40**. Also **10, 33**.

Post-1987 and additional vice-county records:

1 (Ballyferriter area 1998, P. Green), **5** (Scannell 1996, 1997a), **9** (Bunratty 1989, SR), **10** (Reynolds 1998c), **21** (*FDub 1998*), **33** (**DBN**: Castle Archdale Park 1982), **39** (Beesley 1992, *FBel 1997*), **38-40** (*FNE 1992*).

Picris L.**P. hieracioides L.****Hawkweed Oxtongue**

Probably introduced (*Cens Cat*).

Rare casual, e.g. sand pit near Kilkenny in late 1980s (DNFC), and see below.

Cens Cat **5, 7, 11, 13, 14, 19**. Also **6, 36, 39**.

Additional vice-county records:

6 Carrick-on-Suir 2001, edge of disused tip (Green 2002).

36 Laneside near Lisboy W of Clogher 1986, still there 2001 (I. McNeill and P. Hackney).

39 Near Larne Harbour 1995, waste ground (I. McNeill).

Tragopogon L.**T. porrifolius L.****Salsify**

Rare escape from, or relic of, cultivation.

* Few places in SW and NE (*Cyb 1866*), with a decided preference for railway tracks in NE (*FNE 1888, Cyb 1898*).

Cens Cat **3, 5, 8, 9, 21, 37-39**. Also **12, 16, 30**.

Post-1970 and additional vice-county records:

3 Broad Strand S of Courtmacsherry 1993 (SR), 1999 (I. Green); known there since at least 1971 (O'Mahony 1995).

12 Kilmore Quay 1992 (FitzGerald 1993).

16 Inishbofin 1987, overgrown field by derelict houses, also near harbour (Brodie & Sheehy Skeffington 1990).

21 Dun Laoghaire, early 1970s, garden weed over several years, not deliberately introduced (Ffrench-Mullen 1975).

30 Belturbet post-1950 (Reilly 2001).

39 Downshire Halt 1977 (*FNE 1992*).

Aetheorhiza Cass.**A. bulbosa** (L.) Cass. (*Crepis bulbosa*)**Tuberous Hawk's-beard**

Rare garden weed; no recent records.

12, {37}.**12** Ballinapark near Bunclody, estate grounds, 1968, 1971, 1975; also in at least two other Irish gardens (McClintock 1975, **DBN**).{37 Note on **DBN** herbarium sheet of one Ballinapark specimen: "also grows at Tynan Abbey, Armagh".}**Lactuca** L.**L. sativa** L.**Garden Lettuce****21** Between Blackrock and Kingstown (Dun Laoghaire) 19th C (*Cyb 1866*, **TCD**). Rush 1903, sandy fallows (**DBN**).**L. serriola** L. (*L. scariola*)**Prickly Lettuce**

Rather rare casual on disturbed ground; seeding freely at Dublin Port in 2000-01; apparently increasing since mid-1990s.

19, 21, 36, 39.**19** Hen run by canal near Straffan 1904, introduced with grain (Knowles 1906, **DBN**).**21** * North Bull 1903, in sandy fallows, introduced with seed (*FDub 1904*, **DBN**). Dublin Port 1996, 1999, 2000-01, and Dublin City and suburbs 1997-99 (e.g. Reynolds 1998c, 1999c, Goode 1999, **DBN**). Luttrellstown 2001, dump and pheasant pens S of golf course (R. Goodwillie).**36** Annagher near Coalisland 1997, edge of sand pit, possibly brought by lorry traffic (McNeill 1998, **BEL**).**39** *L. cf. serriola*, Belfast 2001, old gasworks site; also near the harbour (S. Beesley and J. Wilde).**L. tatarica** (L.) C.A. Mey. (*Mulgedium tataricum*)**Blue Lettuce***Cens Cat 17*.**17** Shore E of Galway near Cromwell's Fort, first found 1923, rooted deeply in boulder beach (Praeger 1933, **BM, DBN, TCD**); and frequent in same area just E of mouth of Lough Atalia 1969-80; possibly introduced with ballast from wrecked ship (*FCB 1983, DBN, TCD*).**L. virosa** L.**Great Lettuce**

Rare casual; no modern records.

8, 38, 39.**8** * Limerick 1900, 1903, docks and waste ground (Praeger 1900c, 1909a, Knowles 1903, **DBN**).**38** Victoria Park 1906 (*FNE 1938, FNE 1992*).**39** Toome 1908, railway bank (*FNE 1992, BEL*). Stranmillis 1910 (Carrothers 1910). Whitehead 1912 (*FNE 1938, FNE 1992*).

Cicerbita Wallr.**C. macrophylla** (Willd.) Wallr.**Common Blue-sow-thistle**

Occasional garden escape; mainly roadsides and disturbed ground; well established in places.

* Introduced into garden of public house at Drumbeg, Co. Down c.1905, and escaped from there to Lambeg 1936 and near Drum Bridge (as *Lactuca plumieri* in *FNE 1938*, **DBN**); still at both places 1977 (*FNE 1992*, **BEL**). Most records date from the 1960s and 1970s on (as *C. plumieri* in Carrothers 1964; Wallace 1966, Ledsham 1978, Webb 1982, Rohu 1982, Dawson 1983, *FCB 1983*, *FNE 1992*, *FBel 1997*, *FDub 1998*, **BEL, DBN, TCD**).

Cens Cat **7, 9, 11, 16, 17, 21-25**, [30], **31, 37-39**. Also **6, 13, 34, 36**. Delete 30, record not traced (Scannell & Synnott 1989).

Additional vice-county records:

6 Faha 1997, churchyard (P. Green and I. Green).**13** Between Goresbridge and Royal Oak, Bagenalstown (Booth 1979).**34** Lough Eske 1977 (**BEL**).**36** Pennyburn Bridge NW of Donemana 1994, and more sites W of there 1997 (McNeill 1996, 1998).[*C. plumieri* (L.) Kirschl. (*Lactuca plumieri*)

Hairless Blue-sow-thistle

Records are referable to *C. macrophylla* (*FNE 1938*, Carrothers 1964, Kertland 1972, *FNE 1992*).]**Mycelis** Cass.**M. muralis** (L.) Dumort. (*Lactuca muralis*)**Wall Lettuce**Fairly common; established mainly on stone walls and limestone pavement, also in woodland; more rarely in urban areas and on waste ground. Recorded in only seven vice-counties by 1900 (*ITB 1901*) but now widespread (Clabby & Osborne 1991, 1994, 2000).

* Cos Wicklow and Louth, very rare; escaped from a garden in Co. Kildare (*Cyb 1866*); probably in Co. Dublin by early 1700s (Clabby & Osborne 1994); first reported from the Burren in 1930s (Praeger 1939, *FCB 1983*).

Cens Cat **2, 4-6, 9, 11, 14, 17-21, 23, 26-28, 31, 37-40**. Also **8, 10, 16, 22, 32**.

Additional vice-county records:

8 SE of Foynes 1987, many plants on limestone crag (Reynolds 1988a). Clarina 1988, on wall; Foynes 1995, in cut down forestry; Foynes Port 1996, 2000; Mullagh ESE of Shanagolden 1997, naturalized on crag in hazel scrub (SR).

10 Terryglass 1987, limestone pavement (Clabby & Osborne 1994).**16** Near Lough Corrib ESE of Oughterard 1967 (*FCB 1983*).**22** Wall of Carton Demesne 1987 (Clabby & Osborne 1994).**32** Glaslough estate; Newmills; Castleblayney; Corlea Presbyterian Church; all post-1994 (I. McNeill). Castle Hope near Muckno Lake 2000 (Hill 2001).

Crepis L.**C. nicaeensis** Balb.**French Hawk's-beard**

Rare casual; 19th C records only.

37, 38.

37 Near Armagh, railroad track, probably introduced with grass seed (Praeger 1893c, *Cyb 1898*).

38 * Kinnegar 1878 (*FNE 1992, BEL*).

C. setosa Haller f.**Bristly Hawk's-beard**

Rare casual; recent records from NE; possibly introduced with seed mixtures.

13, 21, 36, 40.

13 * Between Browne's Hill and Carlow 1867, in field (More 1872).

21 Howth post-1887, in field (Praeger 1895).

36 Cookstown 1991, neglected lawn; in 1992, lawn restored and this species did not reappear (McNeill 1996, **BEL**).

40 Broharris NW of Limavady, and quarry at Keady Mountain 1991; Limavady Junction station yard 1992 (*FNE 1992*).

C. tectorum L.**Narrow-leaved Hawk's-beard**

Rare casual; introduced with animal feed at Foynes Port, and probably with grass seed in Tyrone.

2, 8, 36.

2 S of Tarbert 1989, roadside (Reynolds 1992c); where animal feed spilt.

8 * Foynes Port 1988-91, 1995; and in 1989 on roadsides to E and W of Foynes where animal feed spilt (Reynolds 1990, 1992c, 1993, 1997e, **BM, DBN**).

36 Cookstown 1995, reseeded embankment (McNeill 1996).

C. vesicaria L. (*C. taraxacifolia*)**Beaked Hawk's-beard**

Common; grassland, rock outcrop, walls, roadsides, waste ground etc.; perhaps introduced with grass seed on Sherkin Island, W Cork (Akeroyd 1996). Sometimes confused with *C. biennis* L. which occurs in similar habitats; *C. biennis* is not indicated as 'certainly introduced' in *Cens Cat*, but considered by some other authors to be an introduction, possibly with grass seed (e.g. *Cyb 1898*, Praeger 1934b, Brunner 1950, Webb 1977, *FNE 1992*).

* Dublin only, rare and very local on hedgebanks and borders of fields (*Cyb 1866*, in error as *C. biennis*, see p. 383); in 18 vice-counties and apparently spreading rapidly by 1900 (*Cyb 1898, ITB 1901*); considered mainly eastern until mid-20th C, then increasing in W (*FCB 1983*).

Cens Cat **1-11, 13-26, 28, 31, 33, 36**. Also **12, 30, 38, 39**.

Additional vice-county records:

12 Map record (*Atlas 1990*).

30 Frequent (Reilly 2001).

38 Three locations since 1972 (*FNE 1992*).

39 Glenoe 1974 (*FNE 1992*).

Pilosella Hill

P. aurantiaca (L.) F.W. Schultz & Sch. Bip. (*Hieracium aurantiacum*,
H. brunneocroceum) **Fox-and-cubs**

Occasional garden escape, more common in N; established mainly on walls and dry banks; freely seeding.

* Wall near Ards House, W Donegal, escape from cultivation (*Cyb 1866*), and few other 19th C records in SW, W and N (*Cyb 1898*, **DBN**), including Muckcross demesne, Killarney (Scully 1916).

Cens Cat **5, 17, 22, 36-40**. Also **6, 12, 21, 29**.

Post-1970 and additional vice-county records:

5 East Ferry 1991 (**DBN**).

6 Ardmore 2001 (Green 2002).

12 Wexford Harbour area (FitzGerald 1996).

21 Casement Aerodrome 1980s; Knockmaroon Hill 1988 (*FDub 1998*).

29 Tullagher 1989, road verge (**DBN**).

36 Occasional throughout Tyrone (I. McNeill).

37 Hawthorn Hill 1977 (Dawson 1983).

38-40 Several locations, including sand dunes in Co. Derry (Hackney 1976, Anderson & Christie 1991, *FNE 1992*, *FBel 1997*, **BEL**, **DBN**).

P. caespitosa (Dumort.) P.D. Sell & C. West (*Hieracium caespitosum* subsp.
colliniforme) **Yellow Fox-and-cubs**

Rare garden escape; one modern record.

Cens Cat **4/5**. Also **38**.

All records:

4/5 * Cork 1944, grass plot on bank by River Lee (**DBN**).

38 Knock, Belfast 1977, abandoned railway line (*FNE 1992*, **BEL**).

P. × floribunda (Wimm. & Grab.) Arv.-Touv. (*P. lactucella* × *P. caespitosa*)

Irish Fox-and-cubs

39 Belfast Waterworks 1867, and limestone quarries at nearby Cave Hill 1897 until c.1910 (as *Hieracium auricula* in *FNE 1938*; as *P. lactucella* in *FNE 1992*; Bowman & Sell 1993, Hackney 1995, **BEL**).

Hieracium L.

H. cinderella (Ley) Ley

38 Rowallane demesne 1904, on rocks; perhaps deliberately introduced (*FNE 1992*); in *Cens Cat*, but not marked as an introduction.

H. gougetianum Gren. & Godron

Cens Cat **21**.

21 Dublin City near Liffey Junction 1903, abundant on railway banks and

adjacent spoil mounds (as *H. murorum* var. *maculosum* in *FDub 1904*); established at several locations in Dublin City N of River Liffey 1972-92, e.g. railway at Drumcondra, still at Liffey Junction, walls by Royal Canal and Glasnevin cemetery; also sand pits near Castleknock (McClintock 1975, *FID 1984*, *FDub 1998*).

H. grandidens Dahlst.

Fairly frequent on mortared stone walls in Co. Down; also in quarries in Co. Antrim, and rare elsewhere. Considered an alien plant in the British Isles (Clement & Foster 1994), but not indicated as 'certainly introduced' in *Cens Cat*. * Greyabbey, Co. Down c.1913, and still there in 1983 (*FNE 1992*).

Cens Cat **10, 18, 20, 37, 38**. Also **39**.

Additional vice-county record:

39 Near Larne 1926; Magheramorne quarry 1980s; Glenarm 1991, quarry (*FNE 1992*, Beesley 1993b).

H. maculatum Sm.

Established in Cork City only.

Cens Cat **4, 9, 14, 31**.

All records:

4 Cork City 1966-74 on walls, and still at some of the same sites in 2000 (O'Mahony 1975, 2001c).

9 Base of Slieve Carran cliffs 1966, a surprising locality for a species generally agreed to be an alien, but *Gaudinia fragilis* was found nearby (*FCB 1983*).

14, 31 No details (Scannell & Synnott 1989).

H. strumosum (W.R. Linton) A. Ley

38 Rowallane, Saintfield 1902, rocky wood (*FNE 1992*).

[*Hieracium* spp.

Various species, not included above, have been described as aliens in the past, but no attempt has been made to sort out their correct identities, e.g. *H. sciaphilum* as a garden weed in Kerry, probably introduced with imported seed (Scully 1902), *H. serratifrons* var. *lepistoides* also under suspicion of accidental introduction (Scully 1916), and *H. lucidulum* on walls at Armagh (Praeger 1934b).

Described as an "interesting alien" in the railway cutting near Kingsbridge (Heuston) Station, Dublin, *H. lachenalii* is now known to be the rare native *H. diaphanum* Fries (Praeger 1934b, *FDub 1998*.)

Anaphalis DC.

A. margaritacea (L.) Benth. (*Antennaria margaritacea*) **Pearly Everlasting**

Rare garden escape; one recent record.

1-3, 3/4, 5, 8, 14, 16, 22, 35, 39.

* 19th C records from **1**, **2** (*Cyb 1866*, Scully 1916), **3**, **3/4**, **5** (*Cyb 1866*), **14** (*Cyb 1898*), **16** (**DBN**: near Renvyle House 1831) and **35** (Hart 1880, **DBN**).

20th C records:

8 Ardagh area 1958 (field card for *Atlas 1962*).

22 Pilton demesne 1957 (Wallace 1960).

39 Mossley 1990, single plant in rough grassland (Beesley 1993b).

Gnaphalium L.

G. luteoalbum L.

Jersey Cudweed

Rare casual; 19th C records unconfirmed (*Cyb 1866*, *Cyb 1898*; also see [22] below).

6 Ringnasilloge, Dungarvan 2001, eight plants on waste ground (Green 2002, **DBN**); source not known.

[22 Abundantly about Oldcastle, and many other places, pre-1850 (Reilly 1995); probably in error for a native species.]

Helichrysum Mill.

H. bracteatum (Vent.) Andrews

Strawflower

21 Ballyogan rubbish tip 1993 (Reynolds 1994c); garden escape.

H. petiolare Hilliard & B.L. Burtt

Silver-bush Everlastingflower

12 Rosslare Harbour 1997 near ferryport, single bush on dunes well away from road (P. Green, **K**).

Inula L.

I. conyzae (Griess.) Meikle

Ploughman's-spikenard

10 Esker ridge E of Ardcroney Cross 1991, two sites, fide R. FitzGerald (Nash 1993b); status unknown.

I. helenium L.

Elecampane

Fairly widespread, but not common; relic of, or escape from, cultivation, persistent in places; roadsides, field margins and near derelict buildings; one site in Belfast (Beesley 1995, *FBel 1997*).

* Pastures and waste places, usually near houses and ruins, rare (*Cyb 1866*); old medicinal plant which tenaciously held its ground in many places, especially near church ruins, but showed little tendency to spread (*Cyb 1898*).

Cens Cat **1-13, 15-17, 20, 23, 24, 26-30, 33-40.**

Post-1987 records:

e.g. **2** (Wyse Jackson & Wyse Jackson 1994), **3** (Akeroyd 1996, Green 2000b), **5** (Mitchelstown 1999, in neglected grassland, SR), **9** (Ross, Loop Head 1989, SR), **16** (Brodie & Sheehy Skeffington 1990), **30** (Reilly 2001), **36** (Crockan NW of Trillick 2001, near Stewartstown and elsewhere, I. McNeill), **39** (*FBel 1997*) and **40** (*FNE 1992*).

Pulicaria Gaertn.**P. vulgaris** Gaertn.**Small Fleabane**

2 Cromane W of Killorglin 19th C, casual (*Cyb 1898*, Scully 1916, **DBN**).
 [20 Murrough of Wicklow 1857 (**DBN**); good specimen, but locality given by David Orr may not be reliable (see Praeger 1949).]

Telekia Baumg.**T. speciosa** (Schreb.) Baumg.**Yellow Oxeye**

32 Drumreask 1999, becoming established; with other aliens originally planted in and near lake (I. McNeill and A. Hill).

Grindelia Willd.**G. squarrosa** (Pursh) Dunal**Curly-cup Gumweed**

Rare casual; no modern records.

38, 39.

38 Near Ballymacarrett Halt 1915, waste ground (Carrothers 1916).

39 Stranmillis Road, Belfast 1915, rubbish heap (**DBN**).

Solidago L.**S. canadensis** L. s.l.**Canadian Goldenrod**

Occasional garden escape, mainly in N. The taxon called '*S. canadensis*' in Britain and Ireland is probably a horticultural hybrid involving *S. canadensis* and *S. rugosa* (see Clement & Foster 1994, Reynolds 1996b).

2, 8, 36, 38-40.

2 Sunhill, Killorglin 1995 (V. Morgan).

8 Gooig 1994, well established on bank by main road (Reynolds 1996b, **DBN**), still there 2001.

36 Several records, mostly on dumps (I. McNeill).

38 * Near Ballymacarrett Halt, casual on waste ground (Carrothers 1916). Sydenham station 1979 (*FNE 1992*).

38, 39 Belfast, quite common and persistent in areas where housing had been demolished (*FBel 1997*).

39 N of Six Mile Water Foot 1968, on sandy waste by Lough Neagh (Harron 1986). Bank of River Blackstaff 1970, gone by 1980; Clarendon Park, Glencairn 1977 (*FNE 1992*). Three 10 km squares since 1988 (Beesley 1993b).

40 Castlerock 1985, railway (*FNE 1992*).

S. gigantea Aiton**Early Goldenrod**

23 Near Coolatore 1958, waste ground by bog road (**TCD**).

Aster L.

Specimens in **DBN** were determined by Dr P.F. Yeo in 1996 and 2001.

[*A. laevis* L. Glaucous Michaelmas-daisy
36 W shore of Lough Neagh since at least early 1920s, in marshy meadows and
on some small islets (Greer 1923); N of Killycolpy 1934; plentiful at
Blackers Rock c. early 1980s (Harron 1986).

Praeger specimens from Killycolpy 1933, 1935 were determined as *A. novi-belgii* s.s. (**DBN**).

Other records of *A. laevis* were queried (*Cyb 1898*, Hart 1898, Scully 1904, 1916, Praeger 1909a, 1929a), and voucher specimens for vice-counties 2 and 11 were redetermined as *A. novi-belgii* and *A. cf. lanceolatus* respectively.]

A. lanceolatus Willd. **Narrow-leaved Michaelmas-daisy**

Rare garden escape; by rivers and on lake shore.

11, 12, 19, [25], **40**.

11 Thomastown 1999, bank of River Nore (P. Green). Probably also by River Nore in 19th C; voucher specimen redetermined as *A. cf. lanceolatus* (as *A. laevis?* in *Cyb 1898*, **DBN**).

12 Lady's Island 1998, lake shore (**DBN**).

19 * Osbertstown by River Liffey 1978, an "unusually lush" specimen (**DBN**).

[25 Map record (*Atlas 1990*); no voucher specimen.]

40 Coleraine by River Bann 1984, naturalized there (*FNE 1992*, **BEL**).

A. novi-belgii s.l. **Michaelmas-daisy**

Old and recent records lacking voucher specimens, e.g. **1** (Praeger 1934b; Caragh Lake 1994, BSBI), **2** (Kelly 1988), **3** (O'Mahony 2000b), **8** (Phillips 1905a), **13** (Praeger 1934a), **16** (Webb 1982, *FCB 1983*), **21** (*FID 1984*), **29** (Praeger 1909a), **32** (Praeger 1934b), **33** (Praeger 1934a), **34** (Hart 1898), **39** and **40** (Harron 1986, *FNE 1992*).

A. novi-belgii L. s.s. **Confused Michaelmas-daisy**

Rare garden escape; by lakes, also in woodland and on waste ground.

2, 4, 20, 21, 36, 38-40.

2 * Quagmire River near Headford (Headfort) 1894 (as *A. laevis?* in *Cyb 1898* and Scully 1904, **DBN**). River Cashen 1931, saltmarsh; Ross Island, Killarney 1933; and Castlough shore, Lough Leane, Killarney 1993, swampy margin (**DBN**); an *Aster* was previously found by Lough Leane in early 20th C (as *A. laevis?* in Scully 1904, 1916).

4 River Blackwater above Mallow viaduct 1933, 1935 (as *Aster* sp. in Praeger 1934a, **DBN**).

20 Lough Dan 1935, by river (**TCD**).

21 Guinness Brewery, Dublin City 1944, windborne from garden source

(Brunker 1944b, **DBN**). Near Booterstown marsh 1992, grassland (*FDub* 1998).

- 36** Killycolpy, W side of Lough Neagh 1933, 1935 (as *Aster* sp. in Praeger 1934a, **DBN**).
36, 40 S and N shores of Lough Fea 1984 (*FNE* 1992, **BEL**).
38 Knocknagoney 1984, waste ground (*FNE* 1992, **BEL**).
39 Lough Neagh shore S of Antrim 1933, 1935, thicket (**DBN**). Lagan Valley Country Park 1984, beech wood (*FNE* 1992, **BEL**).
40 River Bann above Coleraine 1935, in marshes (as *Aster* sp. in Praeger 1934a, **DBN**).

[*A. prenanthoides* Muhlenb. Crooked-stem Aster
 20 By Annamoe River between Lough Dan and Oldbridge 1937 (Brunker 1950, Clement & Foster 1994); a specimen from the same area in 1935 was determined as *A. novi-belgii* (**TCD**).]

A. × salignus Willd. (*A. novi-belgii* × *A. lanceolatus*)

Common Michaelmas-daisy

Rare garden escape; on river and canal banks, also in grassland and on waste ground.

6, 8, 15, 21, 36.

- 6** Bank of River Suir at Gracedieu 2001 (Green 2002); also by River Suir at Carrickbeg 2001, and Dungarvan 2001 on waste ground; det. Dr P.F. Yeo (P. Green).
8 * Limerick docks 1900 (as *Aster* sp. in Praeger 1934a, **DBN**).
15 Near Ballinasloe 1933, abundant by River Suck (**DBN**).
21 Grand Canal near Leeson Street Bridge 1931 (**DBN**), and in the same area by the canal near Charlemont Place 1994 (*FDub* 1998). Dublin Port 1988 (Reynolds 1990, **DBN**). Near Booterstown marsh 1992, in grassland (*FDub* 1998).
36 * Foyle 1900 (**DBN**).

A. × versicolor Willd. (*A. laevis* × *A. novi-belgii*) **Late Michaelmas-daisy**

Rare garden escape; established at one place by Lough Neagh in the 1980s.

21, 39.

- 21** Near Booterstown marsh 1992, in grassland (*FDub* 1998).
39 * Massereene, Antrim Bay, Lough Neagh 1984; Kilroot 1984, garden relic (*FNE* 1992, **BEL**).

Erigeron L.

E. annuus (L.) Pers.

Tall Fleabane

- 21** Guinness Brewery, Dublin 1944, windborne from garden source; det. Dr P.F. Yeo (as *Aster paniculatus* in Brunker 1944b, **DBN**).

E. glaucus Ker Gawl.**Seaside Daisy**

Rare garden escape.

3, 6.

3 * Kilbrittain 1999, one patch on small sea cliff at edge of parking area (I. Green).

6 Annestown 2001, field wall (P. Green).

E. karvinskianus DC. (*E. mucronatus*)**Mexican Fleabane**

Fairly widespread, but uncommon garden escape; well established and persistent on old walls, including demesne walls.

* Sheen Bridge SE of Kenmare, S Kerry 1935 (Brenan & Simpson 1949), and still there 1971 (Scannell & Synnott 1990, **BEL, DBN**) and 2000 (photograph in Nelson 2001); few records in *Atlas 1962*, and most records date from 1970s on (Carvill & Curtis 1973, O'Mahony 1980, Ferguson & Ferguson 1981, Dawson 1983, O'Keefe 1984, FitzGerald 1996, Scannell 1997a, *FDub 1998*, **BEL, DBN**). *Cens Cat* **1, 2, 4-6, 12, 20-22, 37**. Also **8, 16, 23, 31, 38, 39**.

Additional vice-county records:

8 Curragh Chase 1987, wall by back gate (Reynolds 1996b), still there 2001. Glenstal Abbey, Moroe 1996, on buildings (SR).

16 Clifden 2001 (P. Green).

23 Kilbeggan 1994, near bridge (Reynolds 1996b).

31 Carlingford village 1987, abundant on old walls (**DBN**).

38 Several locations since 1966 (Kertland 1972, *FNE 1992*). Portaferry 1985, near marine lab (**TCD**), and still there 1997 (F. Jeal).

39 Red Hall demesne 1976 (*FNE 1992*, **BEL**).

Conyza Less.

Several new *Conyza* taxa have been reported in the British Isles in recent years, and exactly what they are has still to be worked out. By 2001, all three species listed below were found at Dublin Port, sometimes growing together, as well as plants there which were not clearly one of those species. Good descriptions of the species are provided in Mundell (2001).

C. bilbaoana J. Rémy**Hispid Fleabane**

Infrequent casual, apparently establishing itself locally; dense patches or scattered plants, also overwintering leaf rosettes on open gravelly and waste ground, walls, at pavement edges etc.; means of introduction not known. Although not named until 1994, this taxon was found near the port at Rosbercon in the SE in 1992, the same year that it was first noted in Britain (Stanley 1996, Reynolds 1997a, 2002); earlier *Conyza* specimens collected in Dublin 1984-85 were redetermined as this species.

C. bilbaoana, which seeds freely, is usually much larger and taller (up to about 140 cm) than *C. canadensis*, has hispid brittle stems, remains green later in the season (until October or November), produces overwintering rosettes of distinctly

toothed shiny leaves, and the corolla is usually 5-lobed. 'Hispid Fleabane' was suggested as the common name by Paul Stanley (Mundell 2001).

2, 6, 11, 12, 21.

2 Blennerville near Tralee 1995-97, railway yard (Reynolds 1997a, 1998c, Ryall 1998, **DBN**); tiny overwintering leaf rosettes in January 1999 (Reynolds 2002); spread from original site and well established 1999 (T. Ryall).

6 Ringcrehy, Dungarvan 2001, single plant on harbour wall (Green 2002).

11 Rosbercon 1992-97, gravel car park, roadsides and near the port, numerous plants and overwintering leaf rosettes (incorrectly as *C. canadensis* in Reynolds 1993; Reynolds 1997a, 1998c, **DBN**); already abundant at one site in 1992, indicating that it must have arrived some time prior to then; well established in Rosbercon area 1998-2001, although less numerous where formerly open ground became overgrown (SR).

12 New Ross (across the River Barrow from Rosbercon) 1995-97 (Reynolds 1997a, 1998c); many plants still on waste ground where first seen, but also spread elsewhere including along the quays 1998-2001 (SR).

21 * Nassau Street, Dublin City 1984-85, gravel car park; confirmed by E.J. Clement and P. Stanley (**DBN**); *C. cf. bilbaoana*, Bluebell Industrial Estate in Dublin suburbs 1984, roadside (**TCD**). Dublin 1996-97, several sites in the city, also at Heuston Station on railway tracks and around car park (Reynolds 1997a, 1998c, **DBN**); in city centre 1998-2001, dense patches on open ground, also growing on roofs, granite steps, parapets of bridges, on the quays in cracks of paving stones etc., and well established by 2001; use of weed killer at Heuston Station only temporarily reduced the population in 1999 (SR). First noticed at Dublin Port 1999 (Reynolds 1999c), and common there 2000-01.

C. canadensis (L.) Cronquist (*Erigeron canadensis*) **Canadian Fleabane**

Infrequent casual in Dublin and Belfast, and scattered localities elsewhere; at ports, on waste ground, roadsides and at pavement edges; abundant at Dublin Port in some years. The columnar inflorescence is distinctive; *C. canadensis* usually finishes flowering earlier than the other two species in the autumn and does not appear to produce overwintering rosettes of leaves in Ireland.

3, 6, 8, 11, [12], 19, 21, 23, 38, 39.

3 Coast around Clonakilty Harbour 1999 (Green 2000b).

6 Waterford City 2001 (P. Green).

8 Limerick railway station 1991-92, waste ground (Reynolds 1993, **DBN**). WSW of Cappamore 1998, gravel roadside (Reynolds 1999a).

11 Waterford Port, N side of River Suir 1989, 1994 (Reynolds 1992c, 1997a, **DBN**). [Record for Rosbercon 1992 (Reynolds 1993) should be *C. bilbaoana* (see Reynolds 1998c).]

[12] Record for Rosslare Harbour 1994 unsafe (see Reynolds 1996a, 1996b); *C. bilbaoana* was not known at the time, and voucher specimen not kept.]

- 19** Carbury 1978, garden path and flower border (Holland 1979).
- 21** * Dublin Port 1935-36 (Reynolds & Nash 2001). Guinness Brewery, Dublin 1937, introduced with Californian grain; specimen checked by E.J. Clement (Brunker 1944b, **DBN**). Occasional in Dublin City since 1983, but some records may refer to *C. bilbaoana* prior to recognition of that taxon; Dublin Port since 1988, where it was abundant at several sites in early 1990s (Reynolds 1990, 1992c, 1993, 1994c, 1999c, *FDub 1998*, **DBN**).
- 23** Between Doonis Lough and Inny Bay, Lough Ree 2001, many plants in farmyard where bales of straw from Co. Meath had been unloaded; determined by SR (T. Strevens).
- 38** Belfast 1993 (Beesley 1994, *FBel 1997*).
- 39** Occasional in Belfast area since 1990 (Beesley 1992, 1993b, 1994, 1995, Wilde 1993, *FBel 1997*, **BEL**). Carrickfergus 1997, single plant near marina (S. Beesley). Belfast 2001, scattered plants with *C. sumatrensis* at old gasworks site (S. Beesley and J. Wilde).

C. sumatrensis (Retz.) E. Walker

Guernsey Fleabane

Rare casual; established at Dublin Port since 1988, and more recently found at one Belfast site; locally abundant. *C. sumatrensis* is much larger and taller (up to about 170 cm) than *C. canadensis*, with distinctive softly hairy grey-green leaves and larger capitula; it produces overwintering rosettes of leaves (see Reynolds 1997a).

21, 39.

21 * Dublin Port 1988-2001, gravelly and waste ground, roadsides and along walls; dense stands for over 10 years near the junction of Tolka Quay Road and North Road No. 2; occasional elsewhere in the port area (Reynolds 1990, 1993, 1994c, 1996a, 1999c, **DBN**). Dundrum 2001, large population at edge of building site; det. E.J. Clement (**DBN**).

39 Belfast 2001, many on open ground at old gasworks site near railway, with *C. canadensis* (S. Beesley and J. Wilde).

Callistephus Cass.

C. chinensis (L.) Nees

China Aster

21 Ballyogan rubbish tip 1993 (Reynolds 1994c); garden escape.

Olearia Moench

{*O. x haastii* Hook. f.

Daisy-bush

Planted on roadsides in Co. Derry (*FNE 1992*, **BEL**), and grown in gardens on islands in W Cork (Akeroyd 1996).}

O. macrodonta Baker

New Zealand Holly

Persistent in roadside hedges and abandoned gardens; rarely self-sown.

1, 3, 4, 6, 16, 38-40.

1 Cahersiveen roadsides (Clement & Foster 1994).

- 3** {Planted on three W Cork islands (Akeroyd 1996).} Gortnabinna 1999, one self-sown growing out of rock face; W of Macroom 1999, many trees on roadside, apparently self-sown (I. Green); elsewhere in roadside hedges (P. Green).
- 4** Rockchapel 1999, single bush on roadside at edge of moorland (P. Green).
- 6** Kilrossanty 1997, roadside hedges (P. Green and I. Green). Kill 1998, by ruin (P. Green).
- 16** * Near Cleggan 1979, roadside away from houses (**DBN**).
- 38-40** Frequently cultivated and may persist in abandoned gardens (*FNE 1992*).

O. nummulariifolia (Hook. f.) Hook. f. **Sticky Daisy-bush**
31 S of Carlingford Lough, one bush high on hills not near any habitation (McClintock 1968b); garden escape.

O. traversii (F. Muell.) Hook. f. **Ake-ake**
 Rare garden escape, also relic of cultivation.
1, 5, 6, 27.
1 * W of Dingle 1966 (**DBN**). Killeen SW of Sneem 1999 (I. Green).
5 Ballycrenane 1999, two trees on coast (I. Green).
6 Curragh, NNE of Ardmore 1997, single bush self-sown at base of cliffs; det. Dr P.S. Green (I. Green and P. Green).
27 Roonagh Point 1981, lone shrub on cliff top overhanging sea, far from house (**DBN**).

Tanacetum L.

T. balsamita L. (*Pyrethrum tanacetum*, *P. balsamita*,
Chrysanthemum balsamita) **Costmary**
 Rare garden escape or casual; no modern records.
21, 38, {39}.
21 * Howth 19th C, near Kilbarrack Lodge, roadside ditch; in this “wild-looking” station for at least 15 years (Hart 1887).
38 Ballymacarrett, casual (*FNE 1938*).
 {39 Aghalee 1921, by lock keeper’s cottage (**BEL**).}

T. parthenium (L.) Sch. Bip. (*Matricaria parthenium*,
Chrysanthemum parthenium) **Feverfew**
 Common garden escape in both urban and rural areas; near gardens, on roadsides, walls, waste ground and rubbish tips; freely seeding; occasionally double-flowered, and more rarely with dark green leaves.
 * Occasional along hedges and waysides, and among rubbish, near cottages and gardens (*Cyb 1866*); an ancient remedy (*FNE 1888*); not thoroughly established in wild locations (*Cyb 1898*); not included in *ITB 1901* nor Praeger’s (1934b) Census List, but many map records in *Atlas 1962*.
Cens Cat 1-40.

T. vulgare L.**Tansy**

Fairly common garden escape or relic of cultivation, but less common than formerly; established on grassy roadsides and banks, near houses and ruins; more rarely in urban areas and on waste ground (e.g. *FID 1984*, *FBel 1997*).

* Roadsides, banks and waste places near houses, not common; an escape from cultivation but appears thoroughly established (*Cyb 1866*); long persistent in many of its numerous recorded stations (*Cyb 1898*); reported from 31 vice-counties by 1900 (*ITB 1901*); used medicinally and as a pot herb (e.g. Praeger 1915, Brunner 1950).

Cens Cat 1-40.

Artemisia L.**A. absinthium L.****Wormwood**

Rare garden escape or relic of cultivation; near houses and ruins, on roadsides and disturbed ground. More common and widespread in the 19th C and early 20th C; probably originally introduced as a medicinal plant.

* Waste places and waysides, usually near cottages and ruins, not infrequent (*Cyb 1866*).

Cens Cat 1-3, 5, 6, 9, 11-21, 31, 35, 36, 38-40.

Post-1970 records:

- 3** Roaringwater Bay islands 1990s, associated with houses and ruins, "Irish stronghold for this species" (Akeroyd 1996).
- 6** Bay S of Knockavelish Head 1973 (Ferguson & Ferguson 1974, **DBN**). Ballyvoyle Bridge 1997, two plants on roadside (P. Green).
- 13** Powerstown 1973; Bagenalstown; Goresbridge; Glynn (Booth 1979, **DBN**).
- 16** Mweenish Island 1980, S end near ruined house (*FCB 1983*, **DBN**). Connemara 1981 (Akeroyd 1996).
- 18** Esker Bridge 12 miles (c.19 km) SW of Edenderry 1972 (**DBN**).
- 21** Dublin City, three sites, 1980 (*FID 1984*). Pigeon House Road 1994 (Reynolds 1996b, **DBN**).
- 39** Larne, on tip near railway; landfill site on shore of Belfast Lough 1980s (*FNE 1992*).

A. biennis Willd.**Slender Mugwort**

Rare casual.

19, 21, 38, 39.

- 19** * Near Straffan 1904-05, hen run by canal, introduced with grain (Knowles 1906, **DBN**).
- 21** Dublin Port 2001, two on Alexandra Quay, probably introduced with grain; det. E.J. Clement (**DBN**).
- 38** Near Ballymacarrett Halt 1915, waste ground (Carrothers 1916).
- 39** Belfast 1915, rubbish heap near Stranmillis Road; det. E.J. Clement (**DBN**).

A. campestris L.**Field Wormwood**

Rare casual; no modern records.

20, 28, 39.

20 Wicklow 1858 (**BEL**).

28 Rosses Point 1944, grassy lane near cottage (**TCD**).

39 * Milewater near Belfast 1851 (*FNE 1888*, **TCD**).

[*A. chamaemelifolia* Villars

38 Near Ballymacarrett Halt 1915 (Carrothers 1916); doubtful record because a Belfast specimen in **DBN** of '*A. chamaemelifolia*', also collected by N. Carrothers in 1915, was redetermined by E.J. Clement as *A. biennis*.]

A. stelleriana Besser**Hoary Mugwort**

Formerly a naturalized garden escape at one place in Co. Dublin for over 30 years.

21 North Bull Island sandhills 1891-1924; extensive spread up to 1902, less common by 1916, and not seen after 1924 when the dune which formed its headquarters was washed away. *A. stelleriana* was an aggressive garden plant in the nearby estate of St Anne's, and the North Bull Island population no doubt originated from discarded plants or fragments (Colgan 1894a, 1894b, 1903, Praeger 1894b, Moffat 1895, *FDub 1904*, Colgan 1918, Brunner 1952, **BEL, DBN, TCD**).

Santolina L.**S. chamaecyparissus** L.**Lavender-cotton**

Rare garden escape.

6, 38.

6 Bunmahon 1976, waste ground (**TCD**).

38 * Kirkiston 1913 (*FNE 1992*, **BEL**).

Achillea L.**A. tomentosa** L.**Yellow Milfoil**

38 Near Newcastle 19th C (*Cyb 1866*); garden escape "not seen recently" (*Cyb 1898*).

Chamaemelum Mill.**C. mixtum** (L.) All.

21 Dublin Port 1990, several plants (Reynolds 1993, **DBN**); probably introduced with grain.

Anthemis L.**A. arvensis** L.**Corn Chamomile**

Rare; although considered extinct by Curtis *et al.* (1988), a few recent records may be of plants which germinated in disturbed ground from long-buried seed;

wild flower seed mixtures account for other modern records.

* Cultivated fields on light soil, rare (*Cyb 1866*); confused with *A. cotula*, so some old records unreliable (*Cyb 1898*); species not included in *ITB 1901*.

Cens Cat **3-5, 8, 15, 19-22, 38**, but all these pre-1950.

Post-1970 records:

{3 Cape Clear 1995, probably introduced with wild flower seed (Akeroyd 1996).}

8 Kilmallock 1999, by River Loobagh in ground which appeared to have been cultivated in the past (Reynolds 1999b, **DBN**).

21 Two golf courses at Portmarnock 1989-91, 1994 (*FDub 1998*); previously found in sandy cultivated ground at Portmarnock 1869 (More 1872). Dublin City 1993, possibly of garden origin (*FDub 1998*). {Kilgobbin 1999, on roadside where seed mixture with other rare arable weeds obviously sown; one of the main components in seed mixtures sown over large areas at Airfield, Dundrum 2000 and at Cabinteely Park 2001 (SR).}

A. cotula L.

Stinking Chamomile

Probably introduced (*Cens Cat*).

Rare casual; formerly widespread and frequent in cultivated ground and elsewhere; in some cases introduced with agricultural seed (*FNE 1888*), grain (e.g. Stewart & Praeger 1894-95, Bruncker 1940) and animal feed (e.g. Adams 1909d).

Cens Cat **1-28, 30-34, 36-39**.

Post-1987 records:

3 Horse Island 1996 (J. Akeroyd and L. Wolstenholme), and Sherkin Island 1999 (J. Akeroyd).

4 Kanturk 1999, in newly sown area of grass (Green 2000b).

11 Rosbercon 1995, near port (Reynolds 1997e, **DBN**), also 1996.

12 Near Blackwater 1990, sand pit (BSBI). Wexford Harbour area (FitzGerald 1996).

21 Dublin Port 1988; Sandyford Industrial Estate 1993 (Reynolds 1990, 1994c, **DBN**).

28 Rosses Point 1990, and still in same field 2001 (Cawley 2002).

A. punctata Vahl

Sicilian Chamomile

6 Helvick Head 1997, self-sown on field bank (P. Green and I. Green); garden escape.

A. tinctoria L.

Yellow Chamomile

Rare garden escape; also probably introduced in wild flower seed mixture.

4, 21.

4 Ballincollig 1999, much on roadside with *Agrostemma githago* (I. Green).

21 * Ballyogan tiphead 1993 (Reynolds 1994a).

Chrysanthemum L.**C. coronarium L.****Crown Daisy**

Rare casual; no modern records; unlocalized 1970 specimen, labelled "cornfield", in **DBN**.

21 Dublin area (Grierson 1922).

C. segetum L.**Corn Marigold**

Fairly common in tilled and disturbed ground, also on roadsides; sometimes abundant in fields (e.g. Akeroyd 1996, Green 2001b), but overall a less common arable weed than formerly; in recent times, introduced in wild flower seed mixtures. Considered an alien plant in the British Isles (Clement & Foster 1994), and 'possibly introduced' in Ireland (*Cens Cat*).

* Frequent in cultivated ground (*Cyb 1866*).

Cens Cat **1-40**.

Leucanthemum Mill.

L. × superbum (Bergmans ex J.W. Ingram) D.H. Kent (*L. lacustre* ×

L. maximum)

Shasta Daisy

Rare garden escape or discard; records of *Chrysanthemum maximum* are referable to this hybrid.

3, 21, 28, 38, 39.

3 W of Bandon 1999, waste ground (P. Green).

21 Ballyogan tiphead 1993, one patch (SR).

28 Finisklin 1996, well established on waste ground (Cawley 2002).

38 Near Belfast City Airport 2001, several plants in rough grassland (BSBI, **DBN**).

38, 39 Belfast area (*FBel 1997*).

39 * By Lough Neagh E of Old Shane's Castle 1977, single patch on sandy shore (as *C. maximum* in Harron 1986).

Anacyclus L.

[*A. radiatus* Lois.

Rare casual; no confirmed records.

3 Dunboy Quay, Bearhaven (*Cyb 1866*).

4/5 Cork, ballast heaps (*Cyb 1898*).

21 Near Clontarf/Drumcondra 1893, gravel pit; voucher specimen in **DBN** was redetermined by E.J. Clement as *Hemizonia pungens* (Praeger 1894a, *Cyb 1898, FDub 1904*).

38 Ballymacarrett (*FNE 1938*.)]

A. valentinus L.

38 Belfast 1920, rubbish heap; confirmed by E.J. Clement (**DBN**);

Ballymacarrett, casual (*FNE 1938*); both records, if different, made by N. Carrothers.

Matricaria L.

M. discoidea DC. (*M. matricarioides*, *M. suaveolens*, *M. occidentalis*, *Chamomilla suaveolens*) **Pineappleweed**

Widespread and common; naturalized in both urban and rural areas, including remote islands; farmyards, tracks, roadsides, waste ground, pavement cracks etc.

* Waterworks at Glenasmole, footpath near Carrickmines and waste ground at Lispopple, Co. Dublin 1894; “ripens seed perfectly, and it may be that this interesting, but by no means handsome, stranger has come to stay in Ireland” (Colgan 1894c).

The spread and establishment of *M. discoidea* (including *M. occidentalis*, considered by some a separate taxon) was well documented. Introduced with N American corn sold as poultry feed, “so that every hen-wife in the country ... may become an unconscious agent in the enrichment of our flora”; seeds were then dispersed in mud on people’s and animals’ feet, and on vehicle wheels along roads and railways; probably also introduced with grain for flour mills, and spread from discarded sweepings; this “aggressive alien” and “floral invader” was reported from 9 vice-counties by 1899, 16 by 1900, 21 by 1904, about 30 by 1912 and all 40 by early 1930s; a plant invasion “probably unequalled in modern times” (Colgan 1894c, 1899, 1900, 1904a, 1918, Praeger 1896c, 1900a, 1900b, 1901b, 1903a, 1904d, 1906a, 1909a, 1912a, 1913b, 1920, 1934b, *Cyb 1898*, Stewart 1900, *ITB 1901*, Phillips 1901a, 1905a, 1905b, Knowles 1903, 1906, Scully 1903, 1912, *FDub 1904*, Druce 1912).

Cens Cat 1-40.

M. recutita L. (*M. chamomilla*, *Chamomilla recutita*) **Scented Mayweed**

Infrequent casual; disturbed ground, roadsides, ports etc., also rare arable weed.

* Cornfields, gardens and waysides, very rare (*Cyb 1866*); some old records referable to *Anthemis cotula* (e.g. *FNE 1888*, *ITB 1901*, *FDub 1904*, *FNE 1938*).

Cens Cat 2, 3, 8, 9, 14, 19, 21, 22, 27, 37-39, but most of these pre-1950. Also **4, 6, 12, 30.**

Post-1987 and additional vice-county records:

2 S of Tarbert 1990 (Reynolds 1993).

3 Cape Clear 1993, 1995 (Akeroyd 1996).

4 Cork City 1995, disturbed ground (O’Mahony 1996).

6 Carrick-on-Suir 2001, plentiful on waste ground by Dillon Bridge (Green 2002).

8 Foynes Port and Limerick roadsides, occasional since 1988 (Reynolds 1990, 1992c, 1997b, 1997e, **DBN**). Kilmallock 1999, with other arable weeds (Reynolds 1999b). Dock Road, Limerick 2001 (SR).

12 N of Oilgate 1989; near Clonroche grain depot 1990; S Slob on spoil heaps 1991; Ballyhaddock 1992 (Reynolds 1993).

- 21** Scattered records, mainly on disturbed ground (*FDub 1998, DBN*); also Dublin Port (Reynolds 1990, 1996a, 1997e, 1998c, 1999c, **DBN**).
30 Drung 1990, quarry (Reilly 2001, **DBN**).

Tripleurospermum Sch. Bip.

T. disciforme (C.A. Mey.) Sch. Bip. (*Matricaria disciformis*)

- 40** Croaghan 1989, disused quarry (*FNE 1992, BEL*).

Cotula L.

C. coronopifolia L.

Buttonweed

Cens Cat 3.

- 3** Eyeries 1950, wall top (**DBN**); in the same area at Coulagh Bay early 1960s, in boggy, partly inundated ground near sea shore (Webb 1961, McMillan 1961); probably garden escape.

C. dioica (Hook. f.) Hook. f.

Hairless Leptinella

- 22** Pilton (demesne) 1957, ineradicable in the tennis lawns (as *C. squalida* in Wallace 1960; Wallace 1961).

C. squalida (Hook. f.) Hook. f.

Leptinella

[22Pilton 1957; redetermined as *C. dioica* (Wallace 1960, 1961).]

- 38** Lawn at Guincho, Helen's Bay 1991, not planted (*FNE 1992*).

Cotula sp.

- 39** Golf course at Ballycastle 1986, established and a nuisance (*FNE 1992*).

Senecio L.

S. cineraria DC. (*S. bicolor* subsp. *cineraria*)

Silver Ragwort

Naturalized extensively at Killiney Bay for over a century; on cliffs, walls and railway banks; rare garden escape elsewhere, mainly in coastal sites. Hybrids with *S. jacobaea* L. (*S. × albescens* Burb. & Colgan) reported from Dublin (see below), Mid Cork (O'Mahony 1986, **BEL, DBN**), Antrim (Hackney 1995, **BEL**), and Waterford where *S. cineraria* is in gardens but has not yet been found in the wild (P. Green).

* Killiney Bay, Dublin 1898, abundant and luxuriant along sea cliffs and drift banks, also spreading to adjacent walls, roadsides, railway banks and waste places; originated from a packet of seed sown in a garden c.1875 (*Cyb 1898*); *S. cineraria* has remained a conspicuous plant there, also hybridizing freely with native *S. jacobaea* (Burbidge & Colgan 1902, *FDub 1904*, Colgan 1907, 1918, Anon. 1961a, Murphy 1981).

Cens Cat 21. Also **12, 19, 30, 40.**

Post-1987 and additional vice-county records:

- 12** Ballyhack/Arthurstown 1993, road bank; outskirts of Wexford town 1994, not near a house (R. FitzGerald).

- 19** Maynooth College, one plant on boundary wall (Bowering *et al.* 1995).
21 Killiney, N of Sorrento Point and other coastal sites (*FDub 1998*). Phoenix Park (Reilly 1993).
30 Ballyjamesduff 1999, on bank by stream (Reilly 2001, **DBN**).
40 Portstewart 1991, two plants on basaltic sea cliffs (Anderson & Christie 1991); previously known there for some years (Hackney 1995).

S. doria L. **Golden Ragwort**

Rare garden escape; not always separable from *S. fluviatilis*.

8, 18.

- 8** *S. cf. doria*, SW of Old Pallas Grean 1999, one patch on roadside bank near stream (Reynolds 1999c, **DBN**).
18 No details (Stace 1991, 1997).

S. fluviatilis Wallr. (*S. sarracenicus*) **Broad-leaved Ragwort**

Rare garden escape; persistent mainly on roadsides, by streams and rivers; formerly more common, cultivated for medicinal purposes. *S. fluviatilis* can be confused with *S. doria* (Clement & Foster 1994), and is not always distinct from that species.

* Waste places near houses and river banks, very rare; frequently cultivated in cottage gardens for medicinal purposes (*Cyb 1866*).

Cens Cat **1, 3, 7, 9, 14, 16, 19-21, 23, 25, 31, 34, 36-40**. Also **18, 28, 32**.

Post-1970 and additional vice-county records:

- 16** Between Ferry Bridge and Clonbur 1952-79, showing little tendency to spread (Webb 1982, *FCB 1983*).
18 Portarlinton road c.1 mile (c.1.6 km) from Tullamore 1988 (**TCD**).
20 *S. cf. fluviatilis*, on roadside bank by river E of Enniskerry 1999 (**DBN**); *S. fluviatilis* previously noted there 1893 and 1945 (Brunker 1950).
21 Mulhuddart 1973, weed in Nurseries (*FDub 1998, DBN*).
25 SW of Elphin 1971, by Elphin-Bettyfield road (**DBN**).
28 Knockadalteen 1992, 2000, in roadside ditch (Cawley 2002).
31 Just W of Greenore golf links 1975, new road bank (Synnott 1977, **DBN**).
32 Carson's Bridge, and Monaghan town post-1994 (I. McNeill).
37 Gosford Forest Park 1982 (Dawson 1983, **BEL**).
38 Belvoir Park by River Lagan 1970s, 1985, abundant (Hackney 1976, *FNE 1992, BEL*); known there in 1942 (Kertland 1972).

S. inaequidens DC. **Narrow-leaved Ragwort**

Rare casual, first recorded in 1999.

38, 39.

- 38** Roadside just outside Newtownards refuse site 1999; two plants, one of which appeared to be setting fertile seed (Day 2000); three plants at same site 2000 (Day 2001).
39 Inver, Larne 1999, three plants; near Larne Harbour, and perhaps introduced

with ferry traffic; still there 2000 (Beesley & Wilde 1999, **BEL**).

S. squalidus L.

Oxford Ragwort

Common in Cork, Dublin and Belfast, and local elsewhere; mainly an urban weed on dry open waste ground and walls, also by railways; not known how originally introduced. Hybridizes with native *S. vulgaris* L., but hybrids can be confused with rayed forms of that species; rare hybrid with *S. viscosus* (Beesley 1993b); two records of hybrid with *S. jacobaea* L. incorrect (Praeger 1934a, 1951, Stace 1975).

* Plentiful and thoroughly naturalized on walls and roofs in and about Cork by mid-19th C; also to the SW at Kinsale and Bandon, but did not appear to have spread to wild-looking localities; probably became naturalized between 1820 and 1839 (*Cyb 1866*, *Cyb 1898*, **BEL**); arrived in Dublin c.1890, almost certainly with old building and railway material from Cork terminus (Phillips 1900, *FDub 1904*); remained near railway at Inchicore for decades, then spread rapidly in Dublin City in second half of 20th C (e.g. Kent 1964, Webb 1972, Anon. 1961a, *FID 1984*); introduced to Newcastle, Co. Wicklow with clinker and rubbish from Inchicore railway works (Brunker 1950); spread also continued away from Cork City, e.g. W to Rosscarbery (O'Donovan & O'Regan 1952); not recorded in NE until 1964 in Belfast Harbour Estate, and since then established in Belfast (Boyd 1965, Millar 1967, *FNE 1992*, *FBel 1997*, **BEL**); see Kent (1964) for early history of its spread.

Cens Cat **2-5, 7, 10, 14, 19-22, 36-39**. Also **6, 11, 28, 31, 40**.

Additional vice-county records:

- 6** Waterford City 1987 (D.A. Webb and J. Akeroyd), and 1997 (P. Green and I. Green). Dungarvan 2001, waste ground (P. Green).
- 11** Rosbercon since 1993 (Reynolds 1994c), by Waterford road, and in and near port.
- 28** Sligo docks 1992-96, beside spur of Sligo-Dublin railway line; Maugheraboy 1999, railway track (Cawley 2002).
- 31** Dundalk 1995 (Reynolds 1997e).
- 40** Coleraine 1973, near railway station (S. Woods and B. Rushton). Coleraine 1982; Carmean 1983; Coltrim 1988 (*FNE 1992*).

S. viscosus L.

Sticky Groundsel

Fairly common in Dublin and Belfast, and occasional elsewhere; locally abundant, and persistent at some sites; often associated with railway ballast, also on waste ground, roadsides, rubbish tips, in cemeteries and at ports. See Nash (1995) for discussion of distribution and spread. Rare hybrid with *S. squalidus* (Beesley 1993b).

* Waste places near towns and banks near sea, very rare (*Cyb 1866*); persistent in and around Howth, Co. Dublin for at least 110 years (Colgan 1904a) and by the Ballymena, Co. Antrim railway for 40 years (*FNE 1888*); possibly introduced with coal from England at one place in Co. Down (Gunning & Pate

1957); still rare in first half of 20th C (Webb 1944), and then new sites started to be found (Akeroyd 1982).

Cens Cat 2, 5, 7, 10, 12, 18, 21, 27, 36-39. Also 4, 8, 11, 14, 19, 20, 22, 23, 25, 26, 29, 31, 40.

References for post-1987 and additional vice-county records:

Kelly 1990a, *FNE* 1992, Synnott 1992a, Reynolds 1992c, 1996a, 1997b, 1999c, Beesley 1993a, Wyse Jackson 1995, Nash 1995, Scannell 1996, 1999, *FBel* 1997, *FDub* 1998, O'Mahony 2001c.

Delairea Lem.

D. odorata Lem. (*Senecio mikanioides*)

German-ivy

Rare garden escape; established at some coastal sites.

3-6, 9, 16.

- 3** * Glengarriff, run wild near Eccles' Hotel (Praeger 1939). Rerrin, Bere (Bear) Island 1997 (L. Wolstenholme). Broadstrand Bay 1999, one plant on bank (I. Green).
- 4** Farran 1999, bank of road going W; Ringabella Bay 1999, much on scrub on cliff by houses (I. Green).
- 5** Guileen (Gyleen) SE of Whitegate 1999, rampant stands (O'Mahony 2000b).
- 6** Dunmore East 1998, in hedge and top of cliff (P. Green). Cheekpoint 2000, large patches on cliffs (Green 2001b).
- 9** W of Kilronan, Inishmore 1976, on broken rocky ground used as rubbish dump (Webb 1982, *FCB* 1983, **DBN**). Inishmaan 1999, S of post office (Scannell & Jebb 2000).
- 16** [Lake island near Ballyconneely; unconfirmed (Praeger 1939).] W of Roundstone 1980, at some distance from village (Webb 1982, *FCB* 1983); in same area 1988, mostly on old walls (I. Green).

Brachyglottis J.R. & G. Forst. (including Dunedin Hybrid group)

Rare garden escape.

Shrub Ragworts

6, 38-40.

- 6** *Brachyglottis* 'Sunshine', Helvick Head 1997, self-sown on field bank (P. Green and I. Green).
- 38-40** * *Senecio* 'Dunedin Hybrids', commonly grown in coastal gardens and sometimes found as escapes (*FNE* 1992).

Sinacalia H. Rob. & Brettell

S. tangutica (Maxim.) B. Nord. (*Senecio tanguticus*)

Chinese Ragwort

Rare garden escape.

7, 39.

- 7** Near Hymenstown House, N of Caher 1965, roadside (**DBN**); specimen in **BEL** possibly from the same location.
- 39** * Crow Glen 1961, apparently established (*FNE* 1992, **BEL**). Belfast, established on wooded bank by Glen River (*FBel* 1997).

Doronicum L.**D. pardalianches L.****Leopard's-bane**

Rare garden escape; established in woodland, by rivers and on roadsides; apparently long persistent in some places.

6, 21-23, 37-40.

6 Knockyoolahan 1997, roadside (P. Green and I. Green).

21 Broomfield 1988, bank of River Liffey (*FDub 1998*).

22 Killarlin 1893, waste ground (**DBN**). Mosney wood, S of Laytown 1979, naturalized and spreading (**DBN**).

23 Killynyn 1890, well established (Levinge 1894a, **DBN**).

37 Tynan 1872, hedgebank (**BEL**); apparently naturalized about Tynan (Praeger 1893c); S of Tynan 1982-83, roadside (Dawson 1983, **BEL**).

38 Near Ballylesson, hedgebank; Drumbo, waste ground (*FNE 1888*).

39 * Ballymacash, Derriaghy 1842 (*Cyb 1866*, **TCD**), and elsewhere (*FNE 1888*). Birch Hill, Antrim 1908 (*FNE 1992*). Malone 1957, 1981, wooded ground at Bladon Drive (Carrothers & Moon 1960, *FNE 1992*, **BEL**).

40 Umbra 1908, 1989; near Portstewart 1970, mixed woodland; by River Roe 1979; Downhill Forest 1983 (*FNE 1992*, **BEL**).

Petasites Mill.**P. albus (L.) Gaertn.****White Butterbur**

Rare relic of cultivation or garden escape; usually persistent where originally planted; at one streamside site in Co. Down for at least a century.

Cens Cat **35, 38, 39.**

All records:

35 Map record (*Atlas 1962*).

38 * Ballymenoch near Holywood 1887, still there 1987-88 (*FNE 1888*, *FNE 1938*, *FNE 1992*, **BEL**, **DBN**). Campbell College (*FNE 1938*). Mountstewart gardens 1989, in cleared shrubbery; Castle Ward 1991 (*FNE 1992*).

39 Ligoniel 1923; Malone 1957, wooded ground at Bladon Drive (Carrothers & Moon 1960, *FNE 1992*, **BEL**). Grounds of Throne Hospital 1994 (Hackney 1995).

P. fragrans (Vill.) C. Presl**Winter Heliotrope**

Widespread and common escape or discard from cultivation; in former demesnes, also established in hedgerows and other shady places, on roadsides and waste ground; an invasive plant, *P. fragrans* competes with native vegetation, and is very difficult to eradicate from gardens.

* By mid-19th C becoming naturalized near gardens and shrubberies, and along roads and hedges (*Cyb 1866*), and by end of 19th C, thoroughly established and locally abundant; previously much planted in copses and shrubberies, then rejected because of its aggressive habit (*Cyb 1898*); in 34 vice-counties by 1900 (*ITB 1901*), and still offered for sale in early 20th C catalogues (Scully 1916);

probably introduced for ground cover, and recommended as a winter foodplant for bees (e.g. Brunner 1950).

Cens Cat **1-40**.

P. japonicus (Siebold & Zucc.) Maxim.

Giant Butterbur

38 Crawfordsburn 1993-94, garden relic in grounds of Masonic temple (Hackney 1995, **BEL**).

Calendula L.

C. officinalis L.

Pot Marigold

Occasional garden escape or discard, not persisting; mainly waste ground and rubbish dumps.

3, 4, 6, 11, 21, 38-40.

3 N of Clonakilty 1999, waste ground (P. Green).

4 Millstreet 1999, soil heap by building site (P. Green).

6 Cheekpoint 1997, Cappoquin 1998, single plants; and elsewhere (P. Green).

11 Thomastown 1999, roadside (P. Green).

21 Dublin City, Dublin Port and elsewhere, occasional (*FID 1984*, Reynolds 1994a, 1996a, *FDub 1998*).

38, 39 Belfast, occasional (*FBel 1997*).

40 Beside Ballygoney River 1989, casual (*FNE 1992*).

38-40 * Occasional garden outcast (*FNE 1938*).

Ambrosia L.

A. artemisiifolia L. (*A. artemisiaefolia*)

Ragweed

Rare casual; probably introduced with grain at Dublin Port. From discarded birdseed in a Co. Down garden (G. Day).

8, 19, 21, 39.

8 * Limerick City 1900 (Praeger 1900c, **DBN**).

19 Near Straffan 1904-05, hen run by canal, introduced with grain (Knowles 1906, **DBN**).

21 Dublin Port 2001, one large plant on Alexandra Quay; det. E.J. Clement (SR, **DBN**).

39 Whitehead 1946, hen run (**DBN**).

A. trifida L.

Giant Ragweed

Rare casual; no modern records; probably introduced with grain.

9, 19, 39.

9 * Kilrush 1894 (**DBN**).

19 Near Straffan 1904-05, hen run by canal (Knowles 1906, **DBN**).

39 Near Donegall Road, Belfast 1908, "made-up ground, probably from distillery" (**BEL**). Stranmillis, where rubbish dumped 1910 (Carrothers 1910).

Xanthium L.**X. strumarium L.****Rough Cocklebur**

Rare casual; no modern records.

4, 38.

4 * Potato field at Blarney cloth factory (Allin 1883, *Cyb 1898*).

38 Ballymacarrett 1915 (*FNE 1938, FNE 1992*).

Rudbeckia L.**R. hirta L.****Black-eyed-Susan**

21 Ballyogan tiphead 1993-94, garden discard (SR).

Helianthus L.**H. annuus L.****Sunflower**

Occasional garden escape or discard; waste ground, rubbish tips, infill, ports, roadsides, and more rarely on estuary or lake shores; from discarded birdseed in a Dublin garden and probably elsewhere.

3, 8, 10, 12, 21, 31, 36, 39.

3 W of Bandon 1999, waste ground (P. Green).

8 Foynes Island opposite Foynes Port 1987, many on shingle shore (Reynolds 1988a), also 1997. Roadsides W of Mungret, W of Clarina (Reynolds 1997e) and SE of Foynes 1995; Foynes Port 1997, 2001 (SR).

10 Near Bellevue House, W of Borrisokane 1996 in a field, possibly relic of cultivation (D. Nash).

12 Killurin, WNW of Wexford 2001, town dump (R. Goodwillie).

21 Dublin Port 1988, 1990-92 (Reynolds 1990, 1993). Ballyogan tiphead 1993-95, and Dunsink tiphead 1993 (Reynolds 1994c, *FDub 1998*). Ringsend Dump 1999, on recently dumped soil with garden discards (SR).

31 N of Castlebellingham 1989, roadside (Reynolds 1993).

36 Few records on dumps (I. McNeill).

39 * N of Six Mile Water Foot 1968, small colony on drift-line sand (Harron 1986). Waste ground in three 10 km squares 1986-90 (Beesley 1993b). Belfast, landfill site (*FBel 1997*). Craiginorne 1996, disused quarry being filled in (S. Beeley and J. Wilde).

H. petiolaris Nutt.**Lesser Sunflower**

Rare casual; no modern records.

38, 39.

38 Near Ballymacarrett Halt 1915, waste ground (Carrothers 1916).

39 * Stranmillis 1910, slob land where rubbish dumped (Carrothers 1910).

H. tuberosus L.**Jerusalem Artichoke**

21 Ballyogan tiphead 1993 (Reynolds 1994c), also 1994; probably garden discard.

Galinsoga Ruíz & Pav.**G. parviflora** Cav.**Gallant-soldier**

Rare garden weed.

38, 39.

38 * Knock, Belfast 1968-70 (Kertland 1972).

39 Stranmillis 1984 (*FNE 1992*, **BEL**). Carrickfergus 1990, many in flower bed in Marine Gardens (Beesley 1993b).

G. quadriradiata Ruíz & Pav. (*G. ciliata*)**Shaggy-soldier**

Occasional garden weed, and rare casual elsewhere; probably introduced with nursery plants.

20, 21, 38, 39.

20 Kilcoole 1993, lettuce crop (**DBN**).

21 Marlfield Nurseries 1975; Dublin city 1980, single plant in flower tub, and nine there in 1981 (Carvill & Wyse Jackson 1983, **DBN**), and nearby street 1982 (*FID 1984*, **DBN**). Many plants in garden off Ailesbury Road, Dublin 1983, weed there for several years before, possibly originally introduced with fruit trees; Dun Laoghaire garden 1987; Ballyogan tiphead 1993; Leopardstown 1993, disturbed ground (Reynolds 1994a, 1994c, **DBN, TCD**). Rathcoole 1986, farmyard (*FDub 1998*). Ballinteer 1999 (**DBN**). Stillorgan 2000, in flower bed with bedding plants (SR).

38 * Knock, Belfast 1969, garden weed (Kertland 1972, **BEL**).

39 Stranmillis, Belfast 1992 (**BEL**).

Galinsoga sp.

11 Bennettsbridge 1993, garden (M. Wyse Jackson).

Madia Molina

[*M. glomerata* Hook.

Mountain Tarweed

19 Near Straffan 1904 (Knowles 1906); voucher specimen in **DBN** redetermined as *M. sativa*.]

M. sativa Molina (*M. viscosa*)**Coast Tarweed**

Rare casual; no modern records; introduced with grain. Specimens redetermined by E.J. Clement.

19, 39.

19 Near Straffan 1904, hen run by canal (as *M. glomerata* in Knowles 1906, **DBN**).

39 * Belfast 1894, near distillery/flour mill (as *Hemizonia* sp. in Stewart & Praeger 1894-95, **DBN**).

Hemizonia DC.

H. kelloggii E. Greene

Kellogg's Spikeweed

19 Near Straffan 1904, hen run by canal, introduced with grain; confirmed by

E.J. Clement (Knowles 1906, **DBN**).

H. pungens (Hook. & Arn.) Torr. & A. Gray **Common Spikeweed**

Rare casual; no modern records. Specimens determined by E.J. Clement.

15, 21.

15 Shore near Ardfry House 1899 (**DBN**).

21 * Near Clontarf/Drumcondra 1893, gravel pit (as *Anacyclus radiatus* in Praeger 1894a, *Cyb* 1898, *FDub* 1904; **DBN**). Fairview Strand 1893, waste ground (**DBN**). Fairview, Clontarf 1909, garden casual (**DBN**). Guinness Brewery 1944, introduced with foreign grain (as *Anthemis arabica* (= *Cladanthus arabicus*) in Brunner 1944b, **DBN**).

Bidens L.

B. ferulifolia (Jacq.) DC.

Fern-leaved Beggarticks

Rare garden escape.

6, 11, 29.

6 Waterford City 2001, self-sown at base of wall (I. Green).

11 Waterford Station (N of River Suir) 2000, single plant self-sown on small heap of gravel near hanging baskets (Ellis 2001).

29 * Near Cloone 1998, on landfill (D. Cotton).

Cosmos Cav.

C. bipinnatus Cav.

Mexican Aster

21 Ballyogan tiphead 1993, garden escape (Reynolds 1994c).

[*Melampodium* L.

Melampodium sp.

21 Howth, waste ground, “achenes rugose, enclosed in adnate phyllaries” (Hart 1887); no voucher specimen.]

Dahlia Cav.

D. pinnata Cav.

Dahlia

3 Ballinascarty 1999, single plant on field bank (M. Stephens and P. Green).

Tagetes L.

T. patula L.

French Marigold

6 Waterford City 2001, self-sown at base of wall (I. Green).