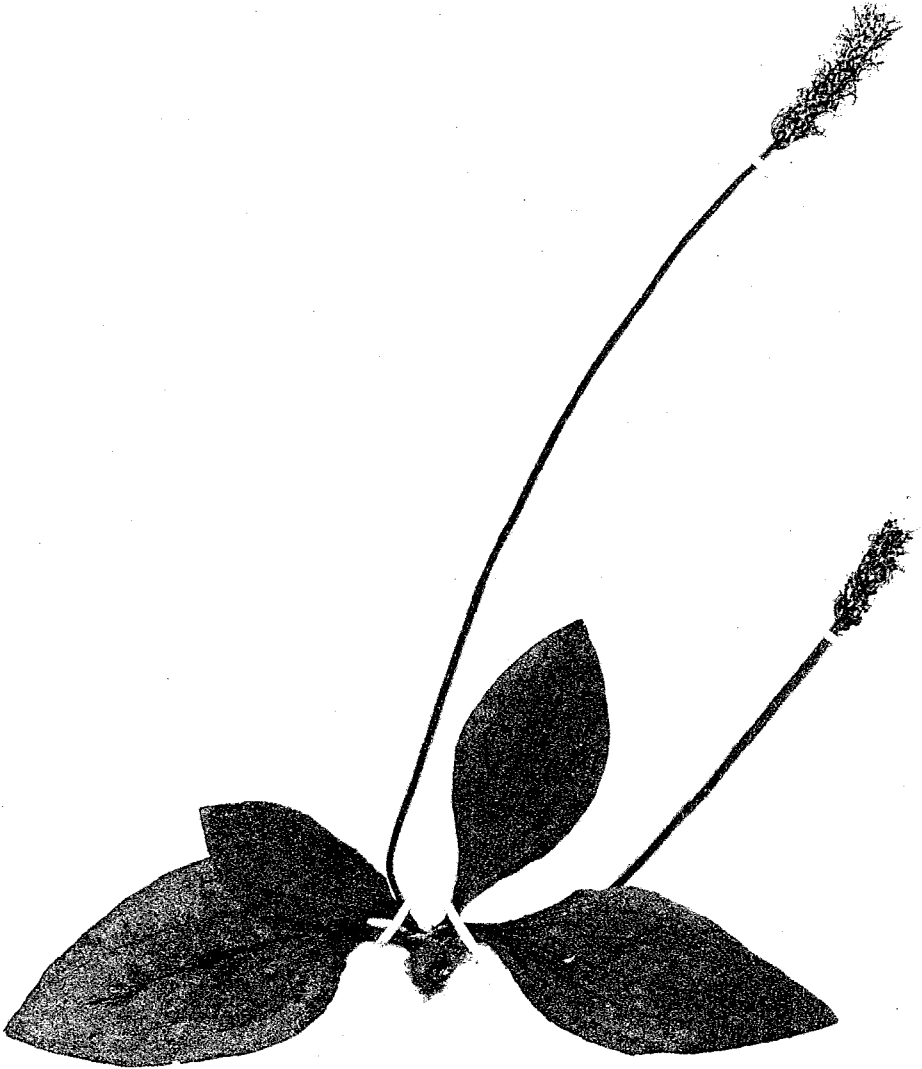


BOTANICAL SOCIETY OF THE BRITISH ISLES

WELSH BULLETIN

Editors : R. D. Pryce & G. Hutchinson

No. 80, JUN 2007



Photocopy of specimen of *Plantago media* (Hoary Plantain) at NMW, (x 2/3).
This species has recently been recorded from vice-county 48 (see pp. 9, 31).

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Most back issues of the BSBI Welsh Bulletin are still available on request (originals or photocopies). Please enquire before sending cheque (made payable to BSBI Wales), @ £2 per issue, which includes p. & p., to - Dr G. Hutchinson, Department of Biodiversity & Systematic Biology, National Museum, Cathays Park, Cardiff CF10 3NP, specifying the issue number, or year (which would have to include the season or month).

Publication date of last BSBI Welsh Bulletin (No. 79) - January 2007.

EDITORIAL

We have reached the eightieth edition of the Welsh Bulletin. The publication was started in January 1964 the first editor being J.P. Savidge around a time when the main contributors included T.A.W. Davis, R.H. Roberts, B. Seddon and Mrs I.M. Vaughan. It has changed considerably since, having been in a cyclostyled then photocopied 202 x 252mm size from No. 2 to No. 36, progressing to its present A5 size in February 1983 with No 37. The front cover started to have a plant image in the February 1977 issue (No. 26) with that well known *Osmunda regalis* (Royal Fern) taken from 'Welsh Ferns'. More recently we have included the Plantlife Wales Newsletter and colour pages.

This issue, however, does not include any colour or a Plantlife contribution, firstly because it has been a rush to produce in time for the Welsh AGM with preparations for the Glynhir meeting having to be done at the same time, and, secondly, the fact that the monster number of Welsh Plant Records (which take up most of this issue) are so bulky that another page would have defeated the stapler! Thanks to all observers who have provided these records, to the recorders for submitting them and to Gwynn for compiling them, not to mention George for checking (as well as preparing the whole issue ready for printing) – all in all, a major task! Thanks also to Peter Benoit and Ian Bonner for completing this issue with their articles.

A reminder for the Swansea AGM in July is also included and I look forward to seeing you there: the programme with its arable-weed theme promises to be very enjoyable.

Richard Pryce
19th June 2007

BSBI WALES ANNUAL GENERAL MEETING AND 11TH QUADRENNIAL MEETING 2006

The 44th Annual General Meeting and 11th Quadrennial Meeting of the BSBI in Wales, held at Plas Tan y Bwlch, Maentwrog on Saturday 2nd September 2006.

1. **Apologies for absence:** P Day, RG Ellis, TG Evans, G Hutchinson, QON Kay, J Phillips, M Porter, Sara Stille and J Woodman.

2. **Minutes of 2005 AGM:** (published in the BSBI *Welsh Bulletin* 78: 4-6) Accepted without amendment.

3. **Matters Arising:** None.

4. **Chairman's Opening Remarks:** Dr Wynne warmly welcomed all those present, including visiting members from England, Ireland and Scotland. He congratulated Ray Woods on his appointment as a Vice President of the Society. He thanked all those who had worked for the Society over the past year, especially the Committee members and those involved in planning this meeting.
He urged members to think about the ecology of the plants we look at, as well as studying their taxonomy.
Following the fern theme of this AGM Goronwy closed by reading extracts from a letter written in 1891 by George Crofts, about his enthusiasm for the ferns he had seen, collected and despatched for planting in his garden! A number of his herbarium sheets have survived and form part of the exhibition today.

5. **Hon. Secretary's Report:** Richard Pryce warmly thanked Goronwy for his four years as Chairman, and echoed the congratulations to Ray Woods on his Vice Presidency, also his appointment to Plantlife, as Lower Plants Officer for Wales.
Richard reported that the Committee had two full meetings (October and February) and a short meeting prior to this AGM. Subjects covered included the production of a series of County Rare Plant Registers for each Welsh vice-county. (Anglesey was published in the spring, Monmouth is nearly ready, and most others are in draft). The availability of Ordnance Survey map information in electronic format for VC recorders with MapMate – promised by CCW; but with technical issues still to be overcome. The way BSBI recorders will liaise with the growing coverage of Local Record Centres across Wales, and the start to the production of a Red List of Plants for Wales.
Richard thanked George Hutchinson for the tremendous work he does as editor of the *Welsh Bulletin*, two issues had been produced this year. The *Bulletin* includes the publication of new and updated records for 10km squares (hectads), something not done by the Society elsewhere in Britain.
Richard closed by thanking the other honorary officers and committee members, and also the membership for their support.

6. **Hon. Treasurer's Report:** The accounts for 2005 were tabled and are set out below:

Annual Statement of Accounts, 1 January 2005 to 31 December 2005

<i>Receipts</i>	£	<i>Payments</i>	£
From BSBI Treasurer	0.00		
2005 Welsh AGM	3970.15	2005 AGM	3,382.83
<i>Welsh Bulletin</i> subs	11.00	2005 AGM expenses	26.00
Plantlife-Welsh Bulletin # 75	106.00	<i>Welsh Bulletin</i> # 75 Printing	235.49
Plantlife-Welsh Bulletin # 76	170.00	<i>Welsh Bulletin</i> # 75 Postage	90.87
Refund from Hand Hotel	221.15	<i>Welsh Bulletin</i> # 76 Printing	236.49
		<i>Welsh Bulletin</i> # 76 Postage	111.42
		Field Meetings Sec expenses	30.00
		AGM Speaker's gift	<u>37.00</u>
<u>Totals</u>	4478.30		4150.10
Excess of receipts over payments	328.20		
Carried forward from 2004	203.59		
Balance at 31/12/05	531.79		

Sarah Stille, Hon Treasurer, BSBI Committee for Wales

Heather Colls proposed that the accounts be adopted which was approved unanimously.

7. **Address by BSBI Volunteers Officer:** Bob Ellis explained that the Executive was currently considering a Review Paper, the likely outcome of which would be an application to the JNCC for funding for a BSBI Plant Unit.

Bob described the **Hybrids** project, for which some 40,000 additional records had already been received, but with an uneven coverage across the country. The search of national herbaria was going well, and hybrid accounts were now being drafted for the final publication.

The **Atlas Updating Project**, now called the BSBI Maps Scheme, was also progressing well, and updated species maps can now be viewed on the BSBI web-site.

8. **Address by Plantlife Wales Officer:** Trevor Dines welcomed the joint working between the two organisations, with, for example, the inclusion of the Plantlife Newsletter in the *Welsh Bulletin*, and the surveys of *Campanula patula* and *Juniper*, the latter had now been published by CCW as the *Welsh Juniper Inventory*.

Trevor outlined two joint survey projects for 2007: testing the new **arable plant** record card by using it to record from examples of arable fields across Wales, and recording which **invasive plant species** were causing problems in natural and semi-natural habitats.

9. **Election of Officers and Committee for Wales Members:** At this point Andy Jones took over as Chairman and again thanked Goronwy Wynne for his huge contribution to the Committee through his chairmanship over the last four years.

The Committee recommended the appointment as Delyth Williams as Vice Chairman, Ray Woods to the Committee and Paul Day to become the CCW Observer. Thanks were also recorded to Joe Phillips who retires this year and is not seeking re-election. There were no

new nominations, and the other officers and committee members were standing for re-election. The AGM approved these appointments.

The Committee for Wales now comprises:

Hon. Chairman & Welsh Rep. on Council	RA Jones
Vice Chairman	Delyth Williams
Hon. Secretary	Richard Pryce
Hon. Treasurer	Sarah Stille
Hon. Field Meetings Secretary	Wendy McCarthy
Hon. Minutes Secretary	Ian Bonner

Committee Members

Arthur Chater	Dr Quentin Kay
Dr Trevor Dines	Mike Porter
Stephen Evans	Julian Woodman
Trevor Evans	Ray Woods
Dr George Hutchinson	

CCW Observer: Paul Day

Dr Trevor Dines also represents Plantlife International (Wales).

10. AGM and Exhibition Meeting 2006 & 2007: Ian Bonner took this opportunity to thank a number of people for their help in preparing for and running this weekend. Especially Doug Oliver, Senior Reserve Manager for CCW, who had undertaken the organisation of the four Saturday excursions, and to Les Colley, Simon Jones, Susan Roberts and Annie Seddon who had lead the walks. To Nigel Brown, Barbara Jones and Dewi Jones for leading the Sunday excursions. To Sam Thomas, Fred Rumsey and Ken Trewren and Nigel Brown for leading workshop sessions, and to Rod Gritten and Fred Rumsey for the evening talks. Finally to fellow committee members, the staff at Plas Tan y Bwlch for making us so welcome, and to all members who had attended and braved the rain on Saturday.

It is planned to hold the 2007 AGM and Exhibition meeting in Gower or the Vale of Glamorgan, in late July or early August, with a theme of arable plants.

12. Any Other Business: The secretary was asked to send a note of good wishes to Ann Conolly, and members were invited to sign a “get well” card to be sent to Clive Jermy, who is currently in hospital.

The Chairman closed the meeting by reiterating his thanks to everyone who had contributed to the weekend.

The AGM attendance list was signed by 48 members.

CALENDAR OF MEETINGS 2007

Full details and procedure for booking are available in the BSBI Year Book for 2007.

SAT 31st MAR - CONIFER WORKSHOP, LEIGHTON ARBORETUM, nr. WELSHPOOL
MONTGOMERYSHIRE, (v.c. 47) - J. Green & A. Jones

SAT 9th JUN - RHYDYMWYN VALLEY NATURE RESERVE, FLINTSHIRE (v.c. 51) - D.
Williams & J. Phillips

SAT 16th JUN - MOELYCI ENVIRONMENTAL CENTRE, TREGARTH, CAERNARVONSHIRE
(v.c. 49) - J. Harold & S. Thomas

SAT 23rd JUN - CAE BLAEN DYFFRYN PLANTLIFE RESERVE, NEAR LAMPETER,
CARMARTHENSHIRE (v.c. 44) - Plantlife meeting to which BSBI members
are invited - T. Dines

SAT 23rd JUN - SAT 30th JUN - GLYNHIR MANSION, LLANDYBIE,
CARMARTHENSHIRE (v.c. 44) - K. & R. Pryce

SAT 30th JUN - CAEAU TAN Y BWLCH PLANTLIFE RESERVE, CLYNNOGFAWR,
CAERNARVONSHIRE (v.c. 49) - Plantlife meeting to which BSBI members
are invited - T. Dines

SAT 7th JUL - OGOFF FFYNNON DDU NNR, PENWYLLT, BRECONSHIRE (v.c. 42) - R. Woods

FRI 13th JUL - SUN 15th JUL - WELSH AGM and EXHIBITION MEETING, SWANSEA and
associated field meetings (v.c. 41)

SAT 18th AUG - LLYN CRAFANT, TREFRIW, CAERNARVONSHIRE (v.c. 49) - W. McCarthy

SUN 9th SEP - MARLOES, PEMBROKESHIRE (v.c. 45) - M. Sutton

REMINDER - BSBI WALES AGM

45th Welsh AGM & 25th Exhibition Meeting, 2007

Friday 13th - Sunday 15th July 2007

This is a reminder that the BSBI Wales AGM for 2007 is being held at Swansea University, Swansea, Glamorganshire and will have the identification and conservation of Arable Weeds as its main theme. As a whole the AGM weekend is going to be mainly field-based, with workshops, the latter primarily on Saturday afternoon after collecting material in the morning. Also bring along any previously collected plant material for identification in the workshop. Full details can be found in the previous Welsh Bulletin and also on the booking form included with the January BSBI News.

There will be:

- Workshop sessions primarily on Saturday afternoon after collecting material in the morning.
- Saturday excursions to farms in Gower.
- Sunday excursions to Vale of Glamorgan farms.
- An exhibition of posters and specimens by members.

An important part of the meeting will be an exhibition of posters prepared by members - **please contribute to this!** It is a great way to communicate your observations and stimulate discussion; any material that will be of interest to other members is welcome - don't worry about producing highly-polished, scientific posters.

Booking forms were circulated with the January 2007 issue of BSBI News.

ANGLESEY PLANTS IN 2006

For its second season the Anglesey Flora Group met each month from April to August, visiting woodland, sand dune, fen, heathland, grassland and open water. Three to ten botanists joined in under varying weather conditions from cold and wet, to almost too hot and dry for fieldwork! Thanks to Nigel Brown for arranging the programme, and to all those who participated – we hope to see you all and others in 2007. Thanks also to Owen Mountford, Martyn Stead and Ted Phenna for really useful lists from specific 1x1 km. squares (monads) across the county. I would be very pleased to receive more lists next year.

April saw the County Rare Plant Register for Anglesey published, thanks to CCW. A limited number of copies were printed for the local authority, relevant statutory bodies, conservation organisations and contributing botanists. A more comprehensive electronic version has been produced for selected organisations, which is also the basis of a Data Exchange Agreement with Cofnod, The North Wales Environmental Information Service. It is to be hoped that publication will stimulate the flow of additional and updated records, enabling a revised version of the Register to be produced before too long.

Among the more interesting records of native taxa was the discovery by Charles Aron of a hundred or so plants of *Ceterach officinarum* (Rustyback) on limestone rubble, near Plas Newydd making this the island's largest population, and probably only the second not on a wall of some kind. Also finding that *Moenchia erecta* (Upright Chickweed) grew more extensively at Tywyn Trewan, including to the west of the railway line around the edge of RAF Valley. Another airfield discovery was *Cerastium arvense* (Field Mouse-ear), a plant with a marked eastern distribution in Britain – has it been overlooked up until now, or hitched a lift from one of the airfields in East Anglia? James Robertson found a single flower spike of *Platanthera chlorantha* (Greater Butterfly-orchid) in semi-improved grassland near Llanddaniel, this is a second location for this plant on Anglesey – where will it be found next? James also found a second location for *Ononis spinosa* (Spiny Restharrow), on a road edge near Llanddaniel, in very similar habitat to that of the first record by Geoff & Penny Radford at Dwyran in 2004. It was satisfying to find the nationally Near Threatened *Pilularia globulifera* (Pillwort) in new locations on both the north and south shores of Llyn Alaw.

One of the more worrying failures was that no one could find *Monotropa hypopitys* (Yellow Bird's-nest) at any of its known locations in 2006. Was this due to the dry summer weather in July, or due to the decline of this plant, which is now listed as nationally Endangered? Something to be looked out for in 2007 please.

Many of the new county records are of alien species, partly because they have not been recorded in the past, even though they may have been quite well established for some years; but also because others are arriving here for the first time. In the former category are *Acaena novae-zelandiae* (Pirri-pirri-bur) and *Rubus spectabilis* (Salmonberry), both well established in the grounds at Plas Newydd. While amongst the latter *Hydrocotyle ranunculoides* (Floating Pennywort) appeared on a pool near Bryngwyr and Barry Wrightson recorded *Galinsoga parviflora* (Gallant-soldier) near Newborough (the *Galinsoga quadriradiata* (Shaggy-soldier), first recorded in 2004, also re-appeared in 2006 along the A55).

There have also been a few additional hybrid taxa recorded this year, just in time for inclusion in the BSBI Hybrids project, details of these and other interesting records are included in Welsh Plant Records 2006.

IAN BONNER, Cae Trefor, Tynyngogl, Anglesey, LL74 8SD

PLANTAGO MEDIA (HOARY PLANTAIN) IN VICE-COUNTY 48

A large patch of this species was discovered on the 15th July 2006 extending along c.10m of the side of the former railway track, now the Mawddach long-distance footpath, between Arthog and Penmaenpool. The only previous certain record of the species in v.c. 48 that I know is one from Llandderfel, near Bala, by Thomas Ruddy in the *B.E.C. Report for 1919*, p.674 (1920), given as an alien occurrence. Around the 1970s there was a vague report from the same area – from a roadside somewhere between Bala and Corwen. But this was never confirmed and it is not shown in *Flowering Plants of Wales* or the ‘*New Atlas*’.

The origin of the new colony is doubtful. It is surely not native as it is a single patch in an artificial habitat in the heart of acidic country very remote from the natural occurrences on the Denbighshire limestone. There are three possible explanations – none of them entirely satisfactory.

(1) The path has become popular with walkers and cyclists and seeds of *P. media* could easily have been transported on footwear or wheels like the seeds of *P. major*, *Juncus tenuis* or *Matricaria discoidea*. But that seems unlikely in view of the remoteness of this single patch from other *P. media* colonies.

(2) These days one has to consider deliberate sowing of wildflower seed. But that too is unlikely as none of the ‘tell-tale’ species that one would expect, such as *Centaurea cyanus*, *Agrostemma githago*, *Scandix pecten-veneris*, *Papaver rhoeas* or *Chrysanthemum segetum*, is present here. And why should anyone sow just a patch of *P. media* in such an unlikely place?

(3) Before the closure of the railway in January 1965 the track (part of the Ruabon – Barmouth line) was richly ballasted with Carboniferous limestone reputedly originating at quarries in the Ruabon area of old Denbighshire; one could easily pick up fine Carboniferous fossils from the ballast. It seems most likely that the *Plantago* was accidentally introduced with this ballast and has just been quietly living its life unnoticed over the years. The size of the patch suggests it has been there a long time. Some annual calcicoles that have appeared on the track in the past – *Erophila verna* agg., *Saxifraga tridactylites*, *Linum catharticum*, *Myosotis ramosissima* – may well have come the same way.

But it is odd that I and doubtless many others have botanised the track so many times since 1965 without finding or reporting *P. media* till now. Perhaps it is just that we have never done the walk at quite the right time to spot the plants conspicuously in flower or that visiting observers who may have seen them have not realised that the species is a ‘notable’ in v.c. 48.

I should be glad to hear of any other occurrences of *Plantago media* in v.c. 48 that readers may know of.

PETER BENOIT
Pencarreg, Barmouth LL42 1BL

[The record is cited for v.c. 48 in ‘Welsh Plant Records - 2006’, see this Bulletin, p. 31. eds.]

WELSH PLANT RECORDS – 2006

Welsh Plant Records are compiled by Gwynn Ellis, 41 Marlborough Road, Roath, Cardiff, CF23 5BU, from reports of BSBI vice-county Recorders to whom records should preferably be sent. Plants are listed for each vice-county in the order of D.H. Kent's *List of Vascular Plants of the British Isles* (1992), and *Supplements 1 & 2* (1996 & 2000), the number in those lists preceding the name, so that names changed since 1996 can be given without giving the former name. Latin names also follow Kent (1992) and *Supplements 1 & 2* or, if not in that list, the *Vice-county Census Catalogue* (2003), the 2nd edition of C.A. Stace's *New Flora of the British Isles* (1997), E.J. Clement & M.C. Foster's *Alien Plants of the British Isles* (1994) or T.B. Ryves, E.J. Clement & M.C. Foster's *Alien Grasses of the British Isles* (1996). Authorities for Latin names are not given unless the name is not in any of these works. English names are those in *English Names of Wild Flowers* ed. 2 (1986) by Dony *et al.* or, if not in that list, Stace (1997), Clement & Foster (1994) or Ryves, Clement & Foster (1996). English names enclosed by square brackets do not occur in any of these books but have been used elsewhere. Welsh names are those in *Planhigion Blodeuol, Conwydd a Rhedyn*, published by Cymdeithas Edward Llwyd (2003).

The following symbols are used:

* to indicate a new v.c. record

+ to indicate a new or updated hectad record

† indicates archaeophyte; ‡ indicates neophyte; © indicates casual

†‡© before the species number: to indicate that the species is regarded as an archaeophyte, neophyte or casual at least somewhere in the British Isles.

†‡© before the record: to indicate a species which although a native, archaeophyte or neophyte at least somewhere in the British Isles, is not so in the locality recorded

[] to indicate that the record, previously published in error, should be deleted

□ to indicate an update to a rare or scarce taxon

∅ to indicate that the taxon is now believed to be extinct in the locality cited

In general, only records which update the *Vice-county Census Catalogue* (2003) or the *New Atlas of the British & Irish Flora* (2002) will be listed. Other records are included at the discretion of the vice-county recorder. The minimum grid reference is to a hectad but, if supplied by the recorder, references to a 1km or even a 100m square may be included. A letter in parentheses following a grid reference indicates a tetrad.

The Vice-county Recorders from 1/1/2007 are:

MONMOUTH, v.c. 35; Mr T.G. Evans, La Cuesta, Mounton Road, Chepstow, Monmouthshire NP16 5BS

GLAMORGAN, v.c. 41 (West); Dr Q.O.N. Kay, West Cwm Ivy, Llanmadoc, Gower, Swansea SA3 1DG

GLAMORGAN, v.c. 41 (East); Mr J. Woodman, c/o CCW, Unit 4, Castleton Court, Fortran Road, Cardiff CF3 0LT (Please mark Personal)

BRECON, v.c. 42; Mr M. Porter, Aberhoewy Farm, Cyffredyn Lane, Llangynidr, nr Crickhowell, Powys NP8 1LR

RADNOR, v.c. 43; Dr D.R. Humphreys, Knill Court, Knill, nr Presteigne, Powys LD8 2PR

CARMARTHEN, v.c. 44; Mr R.D. Pryce, Trevethin, School Road, Pwll, Llanelli, Carmarthenshire SA15 4AL

PEMBROKE, v.c. 45; Mr S.B. Evans, Glan-y-Mor, Dinas Cross, Newport, Pembrokeshire SA42 0UQ

CARDIGAN, v.c. 46; Mr A.O. Chater, Windover, Penyrangor, Aberystwyth, Ceredigion SY23 1BJ

MONTGOMERY, v.c. 47; Mrs M. Wainwright, Troy, 1 Green End, Oswestry, Shropshire SY11 1BT and Dr A.K. Thorne (all correspondence to Mrs Wainwright)

MERIONETH, v.c. 48; Mr P.M. Benoit, Pencarreg, Barmouth, Gwynedd LL42 1BL

CAERNARFON, v.c. 49; Mrs W.N. McCarthy, 5 Tyn-y-coed, Great Orme, Llandudno, Conwy LL30 2QA

DENBIGH, v.c. 50; Mrs J.A. Green, 3 Karen Court, Denbigh, LL16 4RB

FLINT, v.c. 51; Dr G. Wynne, Gwylfa, Lixwm, Holywell, Flintshire CH8 8NQ

ANGLESEY, v.c. 52; Dr N.H. Brown, Treborth Botanic Garden, University College of North Wales, Bangor, Gwynedd LL57 2RQ and Mr I.R. Bonner (all correspondence to Dr Brown)

MONMOUTH, v.c. 35 (comm. T.G. Evans)

- 28/6.1. **Aconitum napellus** subsp. **napellus** (Monk's-hood) (Cwewll y Mynach). One patch by pond, Tintern Cross, Angidy Valley, SO507.004, S.J. Tyler, 2006.
- +‡30/1.5b. **Papaver dubium** subsp. **dubium** (Long-headed Poppy) (Pabi Hirben). One plant on waste ground and dumped soil N of Severn Tunnel Junction car-park, ST461.876, T.G. Evans & C. Titcombe, 2006.
- †46/19.1. **Agrostemma githago** (Corncockle) (Bulwg yr Ŷd). One plant present on road verge 20th June but verge cut by 4th July, Lydart Hill, SO499.094, S.J. Tyler, 2006.
- *61/1.3a. **Populus nigra** subsp. **betulifolia** (Black-poplar) (Poplysen Ddu). 13 maiden, many stemmed, male trees in hedge line, Great Manson Farm, SO499.156, D.E. Green, 2006. 1st record updating the VCCC although known for some time from this and 12 other tetrads in the vice-county.
- +‡62/33.2. **Diplotaxis muralis** (Annual Wall-rocket) (Roced-y-muriau'r Tywod). 200-300 plants in unkempt border near hut of 2nd Caldicot scouts, Caldicot, ST4797.8842, C. Titcombe, 2006.
- 69/8.1. **Samolus valerandi** (Brookweed) (Claerlys). 200-300 plants in barish area among rough grass, Wetlands Reserve, Uskmouth, ST3280.8340, T.G. Evans & C. Titcombe. Checked step to avoid an adder to count this v.c. scarce plant; 40-50 plants in wet area of wood, Cwmbran, ST287.959, A. & E.G. Wood; both 2006.
- *‡75/12.1. **Duchesnea indica** (Yellow-flowered Strawberry) (Llwyn Mefus Melyn). Garden & track from Chippenham Court at rear of 18 Monnow St, Monmouth, SO508.127, D.T. Price, 2006. The track qualifies it as a 1st record. I regretfully introduced it into my garden from the wall of Berkeley Church years ago and have unsuccessfully tried to eradicate ever since.
- 77/10.3. **Ornithopus perpusillus** (Bird's-foot) (Troed yr Aderyn). Roadside bank E of Troddi Bridge, Monmouth, SO508.116, P. Johns, 2006. A scarce vice-county plant.
- 77/19.20. **Trifolium striatum** (Knotted Clover) (Meillionen Rychog). A small cluster of plants first recorded on the edge of a small gully on an old vegetated coal waste tip, Phillipstown, SO147.033, J.N. Davies, 2006. When TGE asked to see this scarce vice-county plant, the large tip above was scoured and 1000s of plants counted; a remarkable site.
- †91/2.6. **Euphorbia platyphyllos** (Broad-leaved Spurge) (Llaethlys Llydanddail). Oat field, Great Manson Farm, SO494.157, D.E. Green, 2006. 2nd recent site.
- 91/2.7. **Euphorbia serrulata** (Upright Spurge) (Llaethlys Syth). Two plants on waste ground in fork of two motorways, Castleton, ST252.838, H.V. Colls; c.20 plants on gravel, Werngochen Farm, Cwmcarn, SO472.066, S.J. Tyler; 26 plants on both sides of N-S woodland track, Cleddon Hall, SO516.044, D.E. Green, (an extension of known site); garden, of 43 Wonastow Road, Monmouth, SO500.122, D.T. Price, (seen for the first time there last year and the 1st time in the 18 years he has lived there; all 2006.
- 94/1.1. **Linum bienne** (Pale Flax) (Llin Culddail). A colony over 100m long by 2-3m wide on bank of R. Rhymney near its mouth, ST221.776, T.G. Evans & C. Titcombe, 2006. Easily the biggest site in the vice-county.
- 107/26.3. **Bupleurum tenuissimum** (Slender Hare's-ear) (Paladr Trwyddo Eiddilddail). Very large patches of very tall plants 45cm and upwards (usually grazed very short near the Severn) on the northern edge of a large *Limonium vulgare* colony, Little Wharf, mouth of R. Rhymney, ST2208.7751, T.G. Evans & C. Titcombe, 2006.
- 108/3.4. **Centaurium pulchellum** (Lesser Centaury) (Y Ganrhi Goch Fach). About 300 plants in 2 areas separated by 100-200m at side of FC track, King's Wood, SO479.128, S.J. Tyler; 20-30 plants in barish area at the shallow end of FC quarry, Minnetts Wood, Llanfihangel Rogiet, ST449.894, C. Titcombe; both 2006. After no records for 20 years (and then very rarely), this is the 6th woodland pathside record since 2002 with numerous plants.
- †124/12.2. **Kickxia spuria** (Round-leaved Fluellen) (Llysiau-Llywelyn Deilgrwn). In oatfield, Great Manson Farm, SO494.157, D.E. Green, 2006. Only the 3rd recent site.
- 129/1.1. **Campanula patula** (Spreading Bellflower) (Clychlys Ymledol). Over 100 plants with abundant flowers, in garden and natural meadow and wood above (formerly owned and lived in 27

- years ago) by Commander Collett, Yew Tree, Lydart, SO500.091, L. Harper & J. Aidley, 2006. I had visited this garden to see *Lathraea clandestina* in the garden and the adjacent green lane in 1988 and told about the *Campanula* but not until Steph Tyler re-introduced me to the owners and the plants did I realize what a superb site I had missed for 19 years.
- ‡138/2.1. **Stratiotes aloides** (Water-soldier) (Milwr y Dŵr). 20-50 submerged plants, Monmouthshire and Brecon Canal, Rogerstone, ST2690.8919, K.E. Harris, 2006. Restricted to 2 tetrads but 3rd vice-county site.
- 158/17.1. **Paris quadrifolia** (Herb-Paris) (Cwlwm Cariad). A clump of 15 flowering heads near woodland path, Whitebrook, SO527.070, S.J. Tyler, 2006.
- *‡158/24.9. **Allium paradoxum** (Few-flowered Leek) (Cenhinen Brinflodeuog). A few plants spontaneous appearance in 2005 in overgrown bed in lawn, La Cuesta, Chepstow, ST52.93, T.G. Evans, 2006. 1st record. The last time I saw this Garlic was in 1985 on the side of the A433 SW of Cirencester.
- 158/33.5a. **Narcissus pseudonarcissus** subsp. **pseudonarcissus** (Daffodil) (Cenhinen-Be dr Wylt). Hundreds of plants in meadow, Ty Mawr, SO504.078; c.200 flowering plants, roadside, near Noddfa, SO506.085; both colonies S of Penallt, S.J. Tyler, 2006. Two more sites to add to the impressive vice-county list.
- 162/3.4. **Epipactis helleborine** (Broad-leaved Helleborine) (Y Galdrist Lydanddail). A sizable population in limestone quarry, Abersychan, SO272.034, S. Williams, 1999.
- +162/7.1. **Spiranthes spiralis** (Autumn Lady's-tresses) (Troellig yr Hydref). One plant on grassed top of the highest coal ? waste tip above Trethomas, ST1779.9005, T.G. Evans & C. Titcombe, 2006. The most western vice-county site. The mound below had very large patches of a whitish-grey that proved to be *Anaphalis margaritacea*.
- 162/14.1. **Anacamptis pyramidalis** (Pyramidal Orchid) (Tegeirian Bera). One plant, Mitchell Troy Common, SO49.09, S.J. Tyler, 2006.
- 162/23.3. **Ophrys apifera** (Bee Orchid) (Tegeirian y Wenynen). 41 rosettes on wide grassy verge, Springvale Industrial Estate, Cwmbrian, ST284.960, A & E.G. Wood, 2006. Another increase of range mainly on grassy, road verges.

GLAMORGAN, v.c. 41 (comm. Q.O.N. Kay)

- +4/1.1. **Equisetum hyemale** (Rough Horsetail) (Marchrawn y Gaeaf). Local on streambank and in flushes in Prysg Wood E of Llanrhidian, Gower, SS509.925, Q.O.N. Kay, 2005.
- 4/1.4×5. **Equisetum ×litorale** (**E. fluviatile** × **E. arvense**) (Shore Horsetail) (Marchrawnen y Glennydd). Large colony (c.15×20 ft) in graveyard, on N side of Cockett Church, Swansea, SS632.948, I.K. Morgan & R.N. Stringer, 2006, conf. G. Hutchinson.
- *‡21/4.chi. **Juniperus chinensis** (Chinese Juniper) (Merywen Tseina). One well-established shrub in sandy grassland on Pennard Burrows, Gower, SS553.886, A.S. Lewis, 2006. 1st record.
- +28/6.1. **Aconitum napellus** (Monk's-hood) (Cwccwll y Mynach). Scarce on shaded riverbank in Valley Woods, Penllergaer, SS626.987, A.S. Lewis, 2006.
- +31/5.1. **Fumaria capreolata** subsp. **babingtonii** (White Ramping-fumitory) (Mwg-y-ddaear Gwyn). Disturbed verges of M4 motorway, Port Talbot, SS78.88, A.S. Lewis, 2005.
- +‡40/2.3. **Alnus cordata** (Italian Alder) (Gwernen yr Eidal). Marcroft industrial site, Port Tennant, Swansea, SS684.934; eastern side, Tawe New Cut, SS662.935; both B. Stewart, 2004.
- +‡43/1.8. **Chenopodium polyspermum** (Many-seeded Goosefoot) (Troed-yr-ŵydd Amlhadog). Road verge, Clyne Common, with *C. ficifolium* and *C. rubrum*, SS594.894; +disturbed ground, at Gorseinon, SS589.936; both A.S. Lewis, 2006.
- +‡43/1.13. **Chenopodium ficifolium** (Fig-leaved Goosefoot) (Troed-yr-ŵydd Dail Ffigys). Road verge, Clyne Common, with *C. ficifolium* and *C. rubrum*, SS594.894, A.S. Lewis, 2006.
- 46/9.1. **Moenchia erecta** (Upright Chickweed) (Clust-y-llygoden Seth). Frequent in sandy grassland near 17th tee of golf-course, Pennard Burrows, SS542.879, A.S. Lewis, 2006. An additional site for

- this species first recorded in Glamorgan in 1992 on Notthill, on the western side of Pennard Pill valley (WPR 1992).
- +‡47/1.2. **Persicaria amplexicaulis** (Red Bistort) (Y Ganwraidd Goch). Field gateway and hedge, Green Farm, Barry, ST094.685, A.S. Lewis, 2005.
- +‡47/2.2. **Fallopia sachalinensis** (Giant Knotweed) (Y Glymog Fawr). On waste ground south-east of railway line at Cockett, Swansea, SS633.949, I.K. Morgan & R.N. Stringer, 2006. With *F. japonica* and a large patch (c.3×5m) of *F. ×bohemica*.
- +‡51/1.4. **Hypericum hircinum** (Stinking Tutsan) (Dail-y-Beiblau Drewllyd). On roadside near houses N of Graig Llangiwig, SN732.051, I.K. Morgan & R.N. Stringer, 2005.
- +53/2.1. **Lavatera arborea** (Tree-mallow) (Hocyswydden). +Waste ground, Mawdlam, SS807.819; +beside footpath, Brombil, Port Talbot, SS789.875; both A.S. Lewis, 2005.
- 57/1.1. **Viola odorata** (Sweet Violet) (Fioled Bêr). Clump on hedgebank on N side of lane, at Blue Anchor near Penclawdd, SS552.952, I.K. Morgan, 2006. 1st recent hectad record. A white-flowered form with a purple spur.
- +‡62/1.6. **Sisymbrium orientale** (Eastern Rocket) (Roced y Dwyrain). Waste ground, Gorseinon, SS589.986, A.S. Lewis, 2005.
- *‡62/14.cor. **Cardamine corymbosa** (New Zealand Bitter-cress) (Berwr Chwerw Seland Newydd). Garden weed probably of nursery origin, Cannisland Park, Pennard, Swansea, SS565.899, A.S. Lewis, 2006. 1st record.
- +‡62/15.5. **Arabis caucasica** (Garden Arabis) (Berwr-y-cerrig yr Ardd). On bridge abutments, Gowerton, SS589.966, A.S. Lewis, 2005.
- +‡62/16.1. **Aubrieta deltoidea** (Aubrietia) (Cynfas Biws). Self-sown on about 55ft of pavement, Llanrhidian, Gower, SS498.923, A.S. Lewis, 2006.
- +‡62/30.2. **Lepidium campestre** (Field Pepperwort) (Pupurlys y Maes). Locally frequent at edges of burnt ground on cliff slope, Brandy Cove near Bishopston, Gower, SS586.875, A.S. Lewis, 2005.
- +‡62/37.1b. **Coincya monensis** subsp. **cheiranthos** (Wallflower Cabbage) (Bresychen y fagwyr). Roadside, Abergwynfi, SS879.968, A.S. Lewis, 2005.
- +69/4.2. **Lysimachia nummularia** (Creeping-Jenny) (Siani Lusz). ‡A probable garden escape on damp footpath, Llanrhidian, Gower, SS498.922, A.S. Lewis, 2006.
- *‡72/2.5. **Ribes odoratum** (Buffalo Currant) (Llwyn Cwrens Persawrus). Waste ground, suckering extensively, Gorseinon, SS595.986, A.S. Lewis, 2005. 1st record.
- *‡73/5.2. **Sedum praealtum** (Greater Mexican-stonecrop) (Briweg Fawr Meccico). Self-sown in churchyard, Sketty, Swansea, SS628.928, A.S. Lewis, 2005. 1st record.
- +‡73/5.7. **Sedum spurium** (Caucasian-stonecrop) (Briweg y Cawcasws). Self-sown in crevices on old stone walls, Parkmill, Gower, SS544.893, A.S. Lewis, 2005.
- +73/5.11. **Sedum forsterianum** (Rock Stonecrop) (Briweg Gymreig). ‡Disused quarry, Rhoose, ST056.661, A.S. Lewis, 2006.
- +‡75/19.15. **Alchemilla mollis** (Garden Lady's-mantle) (Mantell-Fair y Gerddi). +On roadside near houses, N of Graig Llangiwig, SN732.051, I.K. Morgan & R.N. Stringer; +on verge of quarry road, Briton Ferry, SS734.952, A.S. Lewis; both 2005.
- +‡75/21.1. **Rosa multiflora** (Many-flowered Rose) (Rhosyn amflodeuog). Open rough ground at Abergwynfi, SS879.968, A.S. Lewis, 2005.
- +‡75/22.13. **Prunus lusitanica** (Portugal Laurel) (Coeden Lawrgeirios Portiwigal). +One bird-sown tree in light woodland, Mansel Green, Gower, SS587.891, 2005; +one flowering tree on embankment, at Crymlyn Burrows, SS723.932, 2005; +one tree on the eastern part of Clyne Common, SS606.898, 2006; all A.S. Lewis.
- *‡75/30.1. **Amelanchier lamarekii** (Juneberry) (Criafolen Mehefin). Bird-sown tree, c.2m high, in heather on Graig Trewyddfa, Morriston, SS665.977, I.K. Morgan, 2006, NMW. 1st record.
- +‡75/32.13. **Cotoneaster luteus** (Late Cotoneaster) (Cotoneaster Diweddar). One large shrub, far from houses, on fixed dunes near the Great Plain, Whiteford Burrows, SS443.950; +one shrub on scrubby waste at The Pluck, Swansea, SS670.956; both A.S. Lewis, 2006.

- *‡75/32.15. *Cotoneaster congestus* (Congested Cotoneaster) (Cotoneaster Trwchus). Cliff top, with other *Cotoneaster* species, Mumbles Hill, Swansea, SS625.875, A.S. Lewis, 2005, det. J. Fryer. 1st record.
- +‡75/32.21. *Cotoneaster horizontalis* (Wall Cotoneaster) (Cotoneaster Asgwrn). In scrub, Mynydd Brombil, Port Talbot, SS784.881, A.S. Lewis, 2005.
- +‡75/32.22. *Cotoneaster hjelmqvistii* (Hjelmqvist's Cotoneaster) (Cotoneaster Hjelmqvist). +Several bushes, with *C. integrifolius*, on cliff slope, Horton, Gower, SS472.858; +single bush, with *C. horizontalis*, on former landfill in Clyne Valley, Swansea, SS613.920, det. J. Fryer; +on embankment, with *C. bullatus* and *C. horizontalis*, Crymlyn Burrows, SS723.932; all A.S. Lewis, 2005.
- +‡75/32.mai. *Cotoneaster mairei* (Maire's Cotoneaster) (Cotoneaster Maire). Abundant in disused quarry, with *C. salicifolius*, Rhoose, ST055.660, A.S. Lewis, 2005.
- +‡75/32.sue. *Cotoneaster* ×*suecicus* (?*C. dammeri* × *C. conspicuus*) (Swedish Cotoneaster) (Cotoneaster Sweden). Bird-sown on wall at Ravenhill Park, Fforestfach, Swansea, SS633.957, I.K. Morgan, 2006, NMW, det. G. Hutchinson.
- +‡77/3.1. *Colutea arborescens* (Bladder-senna) (Senna Codog). Several well-established shrubs on river bank, Morfa, Swansea, SS663.957, A.S. Lewis, 2006.
- ‡77/22.1. *Laburnum anagyroides* (Laburnum) (Tresi Aur). Hedgerows (extending for several hundred metres), near Hirwaun, SN953.052, A.S. Lewis, 2005. Long-established and known to local farmers, but not recorded here by botanists since 1907 (Riddelsdell).
- +‡77/23.3. *Cytisus striatus* (Hairy-fruited Broom) (Banhadlen Godflewog). Roadside bank, with seedlings, Llanelli Link Road, Loughor, SS577.974, A.S. Lewis, 2005.
- 77/24.1. *Spartium junceum* (Spanish Broom) (Banhadlen Sbaen). Single bush, probably bird-sown, on grass verge of B4265 at St Athan, ST008.674, A.S. Lewis, 2005.
- *‡78/2.mul. *Elaeagnus multiflora* (Cherry Elaeagnus). Single bush, presumably bird-sown, on rough ground by disused railway, Port Tennant, Swansea, SS681.932, A.S. Lewis, 2005, conf. RHS Wisley. 1st Welsh record.
- +‡91/1.2. *Mercurialis annua* (Annual Mercury) (Bresyichen-y-cwn Flynyddol). Waste ground, Fabian Way, Swansea, SS677.931, A.S. Lewis, 2005.
- +‡91/2.16b. *Euphorbia amygdaloides* subsp. *robbiae* (Leathery Wood-spurge). Roadside bank, Penrice, Gower, SS492.875, 2005 (here since 2001 at least); +a large patch in disused quarry, Rhoose, ST053.659, 2006; both A.S. Lewis.
- *‡91/2.17a. *Euphorbia characias* subsp. *characias* (Mediterranean Spurge) (Llaethlys Môr y Canoldir). Self-seeding freely by riverside walk, St Thomas, Swansea, SS662.930, A.S. Lewis, 2006. 1st record.
- *‡91/2.mel. *Euphorbia mellifera* (Canary Spurge). One bushy plant, self-sown from nearby garden, on roadside, Penmaen, Gower, SS531.886, A.S. Lewis, 2005. 1st record.
- *‡91/2.obl. *Euphorbia oblongata* (Balkan Spurge) (Llaethlys y Balcanau). Self-sown on roadside, Horton, Gower, SS473.859, A.S. Lewis, 2006. 1st record.
- +‡103/1.1. *Geranium endressii* (French Crane's-bill) (Pig-yr-Aran Ffrainc). With *G. ×magnificum* and *G. pratense*, Garn-lwyd, Morriston, SS661.975, I.K. Morgan, 2006.
- +‡103/1.13×pla. *Geranium* ×*magnificum* (*G. ibericum* × *G. platypetalum*) (Purple Crane's-bill) (Pig-yr-aran Borffor). With *G. endressii* and *G. pratense*, Garn-lwyd, Morriston, SS661.975, I.K. Morgan, 2006.
- +‡114/1.1. *Polemonium caeruleum* (Jacob's-ladder) (Ysgol Jacob). One flowering clump by bridleway, Mill Lane, Mayals, Swansea, SS612.907, P.V. & A.S. Lewis, 2005. 1st record as neophyte.
- +118/20.1. *Origanum vulgare* (Wild Marjoram) (Penrhudd). Roadsides, Capel y Gopa, Pontarddulais, SN602.035, I.K. Morgan & R.N. Stringer, 2005.
- +118/23.5. *Mentha pulegium* (Pennyroyal) (Brymllys). ‡Frequent on forestry tracks NNW of Treforgan, SN783.063, I.K. Morgan & R.N. Stringer, 2005. Probably from seed-mix used in nearby opencast site restoration.

- +‡124/1.5. **Verbascum phlomoides** (Orange Mullein) (Pannog Oren). Locally frequent on fixed dunes and rough ground, Horton, Gower, SS474.855, A.S. Lewis & C.R. Hipkin, 2005.
- +‡124/9.1. **Misopates orontium** (Weasel's-snout) (Y Trwyn-y-llo Lleiaf). Pavement weed (only one plant seen), at Plasmarl, Swansea, SS664.968, I.K. Morgan, 2006.
- +‡131/1.4. **Sambucus ebulus** (Dwarf Elder) (Ysgawen Fair). In hedge by path from Sandy Lane to Pennard Burrows, SS54.88, R. Castell, 2004.
- *‡131/2.5. **Viburnum rhytidophyllum** (Wrinkled Viburnum) (Gwifwrnwydden Grech). probably bird-sown on road verge, Bishwell, Gowerton, SS594.956; +one small shrub in mixed woodland, Penllergaer valley, SS623.992; both A.S. Lewis, 2006. 1st & 2nd records.
- *‡131/6.1. **Lonicera pileata** (Box-leaved Honeysuckle) (Gwyddfifd Llorwedol). Bird-sown at edge of wall, Mayhill, Swansea, SS643.943, I.K. Morgan, 2006, NMW. 1st record.
- +‡135/7.1. **Onopordum acanthium** (Cotton Thistle) (Ysgallen Gotwm). ‡Several plants on sandy waste, Port Eynon, SS471.855, A.S. Lewis, 2006. 1st recent record. (A single plant was recorded by ASL on a stony verge at Horton, SS470.858, in September 2001)
- +‡135/44.1. **Conyza canadensis** (Canadian Fleabane) (Amrhydlwyd Canada). Roadside weed, Capel y Gopa, Pontarddulais, SN602.035, I.K. Morgan & R.N. Stringer, 2005.
- *‡135/45.sol. **Olearia solandri** (Coastal Daisybush). Self-sown on east-facing limestone cliff, Mumbles Head, SS630.874, A.S. Lewis, 2006. 1st Welsh record.
- +‡135/80.2. **Galinsoga quadriradiata** (Shaggy-soldier) (Galinsoga Blewog). Frequent on disturbed ground, with *Chenopodium rubrum*, at Gorseinon, SS589.936, A.S. Lewis, 2006.
- +‡147/2.1. **Lysichiton americanus** (American Skunk-cabbage) (Pidyn-y-gog Americanaidd). Two flowering plants in shaded marsh, near Crofty, SS523.944, A.S. Lewis, 2005.
- 152/13.1. **Rhynchospora alba** (White Beak-sedge) (Corsfrwynen Wen). Locally frequent in runnels in valley mire at top of Cwm Clydach on western side of river S of Lygos, SN6278.0796, S. Chambers, 2006. About 1km S of known Penlanau site (see 1984 record in *Flora of Glamorgan*).
- +152/16.7. **Carex spicata** (Spiked Sedge) (Hesgen Ysbigog Borffor). One clump by fence, on S side of Swansea Marina, SS662.925, I.K. Morgan & R.N. Stringer, 2005.
- +‡153/17.3. **Briza maxima** (Greater Quaking-grass) (Crydwellt Mawr). Roadside weed, Capel y Gopa, Pontarddulais, SN602.035, I.K. Morgan & R.N. Stringer, 2005. 1st record as neophyte.
- *‡158/6.1. **Kniphofia uvaria** (Red-hot-poker) (Procer Poeth). Several flowering plants in disused quarry, Rhosee, ST056.661, A.S. Lewis, 2006. 1st record.
- +‡158/18.2. **Ornithogalum angustifolium** (Star-of-Bethlehem) (Seren Fethlehem), Shaded trackside with *Allium ursinum*, Hareslade, SS684.876, A.S. Lewis, 2005.
- +‡158/23.2. **Muscari armeniacum** (Garden Grape-hyacinth) (Clychau Dulas yr Ardd). Cemetery, below Blue Anchor Road, Penclawdd, SS547.953, NMW; +Plasmarl, Swansea, SS662.966; both I.K. Morgan, 2006.
- *‡158/24.5. **Allium subhirsutum** (Hairy Garlic) (Garleg Blewog). Increasing in sandy grassland and scrub, Horton, Gower, SS476.855, A.S. Lewis, 2005. 1st record.
- *‡158/33.6. **Narcissus cyclamineus** (Cyclamen-flowered Daffodil) (Cenhinen-Bedr Atblygol). In rubble waste, Langdon Road, Swansea Docks, SS670.930, A.S. Lewis, 2005. 1st Welsh record.
- *‡159/5.7. **Iris orientalis** (Turkish Iris) (Gellesgen Twrci). About 20 flowering spikes (perhaps planted?). on verge of B4265, near Llantwit Major, SS975.694, P.V. & A.S. Lewis; +c.12 flowering plants (perhaps planted?) on road verge, Burton, Aberthaw, ST035.675, A.S. Lewis; both 2006. 1st & 2nd Welsh records.
- +159/5.8. **Iris foetidissima** (Stinking Iris) (Gellesgen Ddrewllyd). Limestone scrub, Mumbles Hill, SS627.873, A.S. Lewis, 2006.
- +‡160/4.1. **Phormium tenax** (New Zealand Flax) (Llin Seland Newydd). Two plants in *Ammophila* dunes, 'Spontex' dunes, central Swansea, SS605.874, A.S. Lewis, 2006.
- +162/23.3. **Ophrys apifera** (Bee Orchid) (Tegeirian y Wenynen). Seven spikes, found on Llanilid opencast, SS99.81, N.P. Roberts, 2005.
- 162/3.4. **Epipactis helleborine** (Broad-leaved Helleborine) (Y Galdrist Lydanddail). One clump by forestry track, NNW of Treforgan, SN 783.063, I.K. Morgan & R.N. Stringer, 2005. 1st recent hectad record.

BRECKNOCK, v.c. 42 (comm. M. Porter)

- +27/1.1. *Ceratophyllum demersum* (Rigid Hornwort) (Cyrnddail Caled). ‡Introduced into pond, Rhysgog Farm, 1.5km N of Glandulas, SN946.544, M. & C. Porter, 2006.
- *‡28/9.bla. *Anemone blanda* (Balkan Anemone) (Blodyn-y-gwynt Japaneaidd). Gravelly area on river bank, Sennybridge, SN920.287, R.G. Woods, 2006. 1st record.
- +‡73/1.3. *Crassula helmsii* (New Zealand Pigmyweed) (Corchwyn Seland Newydd). Pond, Gwernyfed School, Three Cocks, SO179.368, Brecknock Wildlife Trust, 2006, conf. M. Porter.
- +‡73/3.1. *Sempervivum tectorum* (House-leek) (Llysiau Pen Tai). Stone wall, near Castell Dinas, 5km SE Talgarth, SO187.300, S.P. Chambers, 2006.
- *‡75/32.17. *Cotoneaster thymifolius* (Thyme-leaved Cotoneaster) (Cotoneaster Culddail). Rock crevice below disused limestone quarry, Cefn Cil Sanws, Cefn Coed, SO025.091, J.N. Davies, 2005, NMW, det. G. Hutchinson, conf. J. Fryer. 1st record.
- +91/2.16. *Euphorbia amygdaloides* (Wood Spurge) (Llaethlys y Coed). Copse, Trewalkin, 3km S of Talgarth, SO155.309, M. Porter *et al.*, 2006.
- *‡93/1.coi. *Vitis coignetiae* (Crimson-glory-vine). Bank of disused railway, Taf fechan, 1.5km NE Cefn Coed, SO043.093, P.A. Smith & Mila Teneva, 2006, NMW, det. T.G.C. Rich. 1st Welsh record.
- +‡93/2.1. *Parthenocissus quinquefolia* (Virginia-creeper) (Dringwr Fflamgoch). Road verge, Gilwern, SO257.144, M. & C. Porter, 2006.
- +107/20.1. *Aethusa cynapium* (Fool's Parsley) (Geuberllys). Vegetable garden, Rhysgog Farm, 1.5km N of Glandulas, SN946.544, M. & C. Porter, 2006.
- 107/22.1. *Silaum silaus* (Pepper-saxifrage) (Ffenigl yr Hwch), Edge of haymeadow, Trewalkin, 3km S of Talgarth, SO154.309, Brecknock Wildlife Trust, 2006, conf. M. Porter. 1st recent hectad record.
- +‡116/8.1. *Pentaglottis sempervirens* (Green Alkanet) (Llysiau'r-gwrid Gwyrdd). Road verge, 2km E of Hirwaun, SN978.062, M. & C. Porter, 2006.
- +‡124/1.2. *Verbascum virgatum* (Twiggy Mullein) (Pannog Fain). River bank, Bronllys Castle, Talgarth, SO151.348, P. & G. Clark & S. Coates, 2006.
- 124/20.1a. *Euphrasia rostkoviana* subsp. *rostkoviana*, [Common Eyebright] (Effros Blodau Bach Gludiog). Haymeadow, 2km N of Troed rhiw dalar, SN953.555, M. & C. Porter, 2006. 1st recent hectad record.
- +158/20.2×3. *Hyacinthoides* × *massartiana* (*H. hispanica* × *H. non-scripta*) (Hybrid Bluebell) (Clychau'r-gog Croesryw). ‡Road verge, 2km E of Hirwaun, SN978.062, M. & C. Porter, 2006.

CARMARTHEN, v.c. 44 (comm. R.D. Pryce)

- 7/3.1. *Adiantum capillus-veneris* (Maidenhair Fern) (Briger Gwener). ‡In wall mortar of ruined outbuildings, Stradey Home Farm, Llanelli, SN487.014, I.K. Morgan, 2006. Commonly naturalised. 3rd hectad record.
- +11/1.1×2. *Polypodium* × *mantoniae* (*P. vulgare* × *P. interjectum*) (a hybrid polypody). Newcastle Emlyn, SN313.407, J.A. Green & M. Godfrey, 2006, NMW, det. A.O. Chater & S. Thomas.
- +17/3.2×3. *Dryopteris* × *complexa* (*D. filix-mas* × *D. affinis*) (a hybrid Male-fern). Coed Bryn Bach, SN592.190, I.K. Morgan, NMW, det. G. Hutchinson; +Stradey Woods, Llanelli, SN489.016, I.K. Morgan, R.N. Stringer, Sam Thomas, det. S. Thomas; both 2006
- +17/3.2×3a. *Dryopteris* × *complexa* nothosubsp. *complexa* (*D. filix-mas* × *D. affinis* subsp. *affinis*). Mynydd y Garreg, SN435.085, BSBI Meeting, 2006. det. S. Thomas.
- +17/3.3b. *Dryopteris affinis* subsp. *cambrensis* (Scaly Male-fern) (Marchredynen Euraid). +Hedge, Caeau Blaenau Mawr SSSI, SN593.123, BSBI Meeting; +One plant on acid roadside bank, N side of road junction, NE of Plasnewydd, Mynydd Figyn, SN594.305, R.D. Pryce & K.A. Pryce; both 2006.

- 17/3.5. *Dryopteris aemula* (Hay-scented Buckler-fern) (Marchredynen Bêr). More than 60 mature plants with a few young ones, in a humid, wooded ravine, side valley of Tywi, Gelli Aur, SN585.192, I.K. Morgan & Mike Smith, 2006, NMW. Rediscovery of William Davies' (Gwilym Teilo) record published in 1858 who stated that 'this rare fern is found growing in a wood not far from Golden Grove', this being the only likely wood with suitable habitat in the area.
- +17/3.8×9. *Dryopteris* ×*deweveri* (*D. carthusiana* × *D. dilatata*) (a hybrid buckler-fern). +Mynydd Llangydeyrn, SN483.132, A.O. Chater & A.J. Silverside; +Caeau Blaenau Mawr SSSI, SN593.122, BSBI Meeting, det. A.O. Chater & R.D. Pryce; both 2006.
- +‡20/1.3. *Abies procera* (Noble Fir) (Ffynidwydden Urddasol). Mixed mature groups of conifers and single trees mixed with native broad-leaves on open south-facing hillside generally dominated by bracken, West Mead Farm, Pendine, SN263.094, R.D. Pryce & K.A. Pryce, 2006.
- +‡20/3.1. *Tsuga heterophylla* (Western Hemlock-spruce) (Sbriwsen-hemlog y Gorllewin). At least one self-sown plant by track in mixed mature groups of conifers and single trees mixed with native broad-leaves on open south-facing hillside generally dominated by bracken, West Mead Farm, Pendine, SN263.094, R.D. & K.A. Pryce, 2006.
- +‡20/7.5. *Pinus radiata* (Monterey Pine) (Pinwydden Monterey). Mixed mature groups of conifers and single trees mixed with native broad-leaves on open south-facing hillside generally dominated by bracken, West Mead Farm, Pendine, SN263.094, R.D. & K.A. Pryce, 2006. 1st record as a neophyte.
- *‡21/4.chi. *Juniperus chinensis* (Chinese Juniper). Field hedge, Broad Oak, SN579.226, V. & A. Lewis, 2006, NMW. 1st record. One mature tree 3-4m tall, c.40cm in girth, cultivar with white leaf sprays at end of each branch, no cones visible, cut by hedge cutting. Known here for at least 40 years by landowner but girth would indicate that it is considerably older.
- +‡30/1.5. *Papaver dubium* (Long-headed Poppy) (Pabi Hirben). One flowering plant in bare ground outside barn, Wernbongam, SN514.179, R.D. & K.A. Pryce, 2006.
- +‡30/6.1. *Eschscholzia californica* (Californian Poppy) (Pabi California). ©Self sown in gravel hard-standing parking area, Red Roses, SN204.117, R.D. Pryce; +many plants in layby on SE side of road, Glynhir Road, Llandybie, SN635.148, BSBI Meeting; both 2006. The latter, 1st record as neophyte (see *BSBI News* No. 105 for photo).
- *31/5.7. *Fumaria officinalis* var. *minor* (Common Fumitory) (Mwg y Ddaear). Hedge in public park, Newcastle Emlyn, SN306.407, J.A. Green & M. Godfrey, 2006, NMW, det. C. Cheffings. 1st record for variety.
- +‡36/3.1. *Soleirolia soleirolii* (Mind-your-own-business) (Mam Miloedd). Llandeilo, SN63G, H.J. Killick, 2006.
- +‡39/4.2. *Quercus cerris* (Turkey Oak) (Derwen Twrci). Several small trees soon to be cut-down for new road scheme, Berwick Roundabout, Bynea, Llanelli, SS542.986, R.D. Pryce, 2005.
- +©44/1.1. *Amaranthus retroflexus* (Common Amaranth) (Blodyn Amor). One plant on track verge where bagged silage stored E of maize field, West Mead Farm, Pendine, SN264.096, R.D. & K.A. Pryce, 2006.
- +‡44/1.2. *Amaranthus hybridus* (Green Amaranth) (Blodyn Amor Gwyrdd). ©Several plants (remaining even after harvesting) in maize field, West Mead Farm, Pendine, SN264.096, R.D. & K.A. Pryce, 2006.
- *46/1.1.llo. *Arenaria serpyllifolia* subsp. *lloydii* [Dune Sandwort]. Dry disturbed dunes, E11 Range, Pendine Ranges, SN321.076, A.J. Silverside, 2006, NMW. 1st record for subspecies which is probably better treated as a variety or form.
- +46/5.3. *Stellaria pallida* (Lesser Chickweed) (Gwlyddyn-y-dom Bach). Plants growing in cracks in concrete slabs in derelict garage forecourt, Carmarthen, adjacent to old mart site, SN410.202, R.D. Pryce, 2006.
- *47/8.13×14. *Rumex* ×*schulzei* (*R. crispus* × *R. conglomeratus*) (a hybrid dock). Cattle trampled rough pasture in marshy field E of Pont Cellyn near Tŵyn Farm, SN535.217, G.D. Kitchener, 2006. 1st record.
- *47/8.13×15. *Rumex* ×*sagorskii* (*R. crispus* × *R. sanguineus*) (a hybrid dock). A vigorous plant with both parents, Dryslwyn castle mound, SN552.203, G.D. Kitchener, 2006. 1st record.

- +47/8.13×19. **Rumex ×pratensis** (**R. crispus** × **R. obtusifolius**) (Meadow Dock) (Tafol y Maes). Grassy area at foot of coastal walls of castle, Laugharne Castle, SN302.107, G.D. Kitchener, 2006; +Upper Trebeddod Reservoir, Llanelli, SN504.021, I.K. Morgan, 1982, NMW, det. G.D. Kitchener; +Approaches to forestry yard, Acheth, Cwrt-y-cadno, SN682.451, H.J. Killick, 2006, NMW, det. G.D. Kitchener.
- +47/8.14×15. **Rumex ×ruhmeri** (**R. conglomeratus** × **R. sanguineus**) (a hybrid dock). One plant with parents in cattle trampled rough pasture particularly towards field margins in marshy field E of Pont Cellyn near Twyn Farm, SN535.217, G.D. Kitchener, 2006.
- *47/8.14×19. **Rumex ×abortivus** (**R. conglomeratus** × **R. obtusifolius**) (a hybrid dock). +Edge of saltmarsh (with both parents), Laugharne, SN303.108; +with both parents, Dryslwyn, between castle mound and river, SN553.201; both G.D. Kitchener, 2006; +cycle track, N verge, Penclacwydd Wildfowl Centre, SS533.980, BSBI Meeting, 2006, NMW, det. M.O. Stead. 1st records.
- +47/8.15. **Rumex sanguineus** var. **sanguineus**. [Blood-veined Dock] [Tafolen Gwythien-goch]. In colonising rank grass and tall herb vegetation in bund along road frontage, Pentregwenlais, SN618.166, R.D. Pryce, 2006.
- *47/8.15×19. **Rumex ×dufftii** (**R. sanguineus** × **R. obtusifolius**) (a hybrid dock). One large multi-stemmed plant with *R. sanguineus* nearby on S side of A40 near Pont Dulas, SN551.219; + Grassland with parents, National Botanic Garden of Wales, Middleton, SN520.179; both G.D. Kitchener, 2006; +on footpath, near Llanddowror, SN253.135, BSBI Meeting, 2006, NMW, det. M.O. Stead. 1st records.
- +51/1.6×7. **Hypericum ×desctangii** (**H. perforatum** × **H. maculatum**) (Des Etangs' St John's-wort). Cwm Mawr, SN531.124, A.O. Chater & A.J. Silverside, 2006.
- *©53/6.1. **Abutilon theophrasti** (Velvetleaf) (Deilen Felfed). In flower and fruit in disturbed ground on road construction site with *Echinochloa crus-galli* and *Lactuca serriola* near Morfa Roundabout, SS517.986, V & A Lewis, 2005. 1st record.
- +61/2.10×12. **Salix ×capreola** (**S. caprea** × **S. aurita**) (a hybrid willow). Welsh Wildfowl Centre, Penclacwydd, Llanelli, SS537.982, BSBI Meeting, 2006. det. A.O. Chater.
- +61/2.12. **Salix aurita** (Eared Willow) (Helygen Glustiog). Gravelly hard-standing becoming colonised by scrub and drought resistant herbs. Bynea, SS552.987, Llanelli Naturalists, 2006, det. R.D. Pryce & G. Hutchinson.
- +61/2.16. **Salix repens** (Creeping Willow) (Corhelygen). One small plant in mosaic of *Molinia* dominated grassland with areas of *Calluna*, Skanda Vale Monastery, Llanpumsaint, SN424.328, R.D. Pryce, 2006.
- 62/10.2. **Matthiola sinuata** (Sea Stock) (Murwyll Arfor). Disturbed sandy foreshore, Ginst Point, Laugharne, SN329.081, N. King, 2005. One plant discovered in 2005, two in 2006. (see *BSBI Welsh Bulletin* No. 77).
- +‡62/20.1. **Lobularia maritima** (Sweet Alison) (Alyswm Pêr). ©Many plants self sown from nearby gardens in gravel hard-standing on roadside, Red Roses, SN204.117, R.D. Pryce, 2006.
- *‡62/29.1. **Iberis sempervirens** (Perennial Candytuft) (Beryn Bytholwyrdd). Well naturalised on south-facing bank at road junction to W of spinney of *Ulmus procera*, The Graig, Burry Port, SN446.016, Llanelli Naturalists, 2006. 1st record.
- +69/6.1. **Anagallis tenella** (Bog Pimpernel) (Gwlyddyn-Mair y Gors). Grazed marsh, SW of Clunderwen, SN117.190, Matt Sutton, 2004. Comm. S.B. Evans.
- +69/6.3. **Anagallis minima** (Chaffweed) (Gwlyddyn-Mair Bach). Disturbed wet dune hollow, E11 Range, Pendine Ranges, Laugharne burrows. W of cattle fence, SN320.075; abundant as 'understorey' in c.30cm high damp sward at top saltmarsh, Tywyn Burrows, SN379.048; both BSBI Meeting, 2006, NMW, det. G.M. Kay, A.J. Silverside *et al.* (in field).
- +69/8.1. **Samolus valerandi** (Brookweed) (Claerlys). Bank of main pond, Machynys Golf Course, Machynys Ponds SSSI, SS509.979, Llanelli Naturalists, 2006, det. G. Hutchinson.
- *‡74/5. are. **Saxifraga ×arendsii** (Garden Mossy-saxifrage). Several plants naturalised on low stone boundary wall, Red Roses, memorial garden, SN204.117, R.D. Pryce, 2006. 1st record.

- +‡75/3.1×3. *Spiraea* × *pseudosalicifolia* (*S. salicifolia* × *S. douglasii*) (Confused Bridewort) (Ffug Erwain-dail-helyg). SW of Carmel, SN588.159, I.K. Morgan, 2006, NMW, det. G. Hutchinson.
- +75/8.89. *Rubus altiarcuratus* (a bramble) (Llwyn Mwyar Duon). Few plants in disused limestone quarry, Pentregwenlais Quarry, SN609.162, BSBI Meeting, 2006, det. M. Porter.
- +75/8.118. *Rubus prolongatus* (a bramble) (Llwyn Mwyar Duon). Few plants in disused limestone quarry, Pentregwenlais Quarry, SN609.162, BSBI Meeting, 2006, det. M. Porter.
- *75/8.142×163. *Rubus ulmifolius* × *R. vestitus* (a hybrid bramble). Carreg Gwenlais Quarry, Pentregwenlais, SN604.165, BSBI Meeting, 2006, det. M. Porter. 1st record.
- +75/8.175. *Rubus acutifrons* (a bramble) (Llwyn Mwyar Duon). 'Welsh form', on bank by south-bound platform, Llandeilo Station, SN633.225, BSBI Meeting, 2006, det. M. Porter.
- +75/8.207. *Rubus biloensis* (a bramble) (Llwyn Mwyar Duon). On bank, Llandeilo Station, SN633.227, BSBI Meeting, 2006, det. M. Porter.
- +75/8.319. *Rubus tuberculatus* (a bramble) (Llwyn Mwyar Duon). On bank, Llandeilo Station, SN633.227, BSBI Meeting, 2006, det. M. Porter.
- +75/9.13×14. *Potentilla* × *suberecta* (*P. erecta* × *P. anglica*) (a hybrid cinquefoil). Mynydd Llangyndeyrn, SN481.137, A.O. Chater & A.J. Silverside, 2006.
- +75/15.2. *Agrimonia procera* (Fragrant Agrimony) (Llysiau'r-dryw Pêr). Three plants on field side of roadside hedge cut to c.3m, Aberdeunant, SN673.304, R.D. Pryce, 2006.
- +75/17.1. *Sanguisorba officinalis* (Great Burnet) (Bwrned Mawr). At least two stands on grassy bank by stream through graveyard, Ffynnon Henry Chapel, SN395.300, R.D. & K.A. Pryce, 2006.
- *‡075/21.9. *Rosa virginiana* (Virginian Rose) (Rhosyn Virginia). ©Old Refuse Tip, S of Cefncaeau, Llanelli, SS529.999, I.K. Morgan, 2004, det. R. Maskew. Since destroyed by construction of new Morrisons store.
- +75/21.12×16. *Rosa* × *rothschildii* (*R. canina* × *R. sherardii*) (a hybrid rose). Banc-y-Mansel Quarry, SN534.150, BSBI Meeting, 2006, det. G.M. Kay.
- +75/22.11. *Prunus padus* (Bird Cherry) (Coeden Geirios yr Adar). Substantial stand with many suckers under tall alders at entrance to coal washery, Y Garth, Cae'rbyn, SN613.135, R.D. Pryce, 2006.
- ‡75/32.10. *Cotoneaster salicifolius* (Willow-leaved Cotoneaster) (Cotoneaster Dail Helyg). Several plants scattered over c.100×200m area on W edge of gravelly hard-standing becoming colonised by scrub and drought resistant herbs, Bynea, SS552.986; one bird-sown plant of procumbent form, on sty waste ground, Machynys, E of Lidl store, SS512.986; both V & A Lewis, 2006.
- *‡75/32.37. *Cotoneaster dielsianus* (Diels' Cotoneaster) (Cotoneaster Diels). +St Anthony's Well, Llanstephan, SN346.098, I.K. Morgan, 1993, NMW, det. G. Hutchinson; +Shaly slope N of Welsh Guardsman Public House car-park, Tanerdy, SN42.21, G. Hutchinson, 1994, NMW; +Several plants scattered over c.100×200m area on gravelly hard-standing becoming colonised by scrub and drought resistant herbs, Bynea, SS552.986, Llanelli Naturalists, 2006. 1st records.
- +‡77/19.4. *Trifolium hybridum* (Alsike Clover) (Meillionen Sweden). Derelict petrol station forecourt, concrete surfaced with vegetation-colonised cracks between slabs, Red Roses, SN203.117, R.D. Pryce, 2006.
- +77/22.1×2. *Laburnum* × *watereri* (*L. anagyroides* × *L. alpinum*) (a hybrid laburnum). Blotweth, SN530.366, BSBI Meeting, 2006, NMW, det. A.O. Chater.
- *84/1.1×2. *Epilobium* × *subhirsutum* (*E. hirsutum* × *E. parviflorum*) (a hybrid willowherb). Old Station Yard, Carmarthen, SN416.200, R.D. Pryce & P. Selby, 2002, NMW, det. G.D. Kitchener; Welsh Wildfowl Centre, Penclacwydd, Llanelli, SS535.981, BSBI Meeting, 2006, NMW. 1st & 2nd records.
- *84/1.2×6. *Epilobium* × *dacicum* (*E. parviflorum* × *E. obscurum*) (a hybrid willowherb). Pantyffynnon Station, SN622.107; +Llandeilo Station, SN633.225; both BSBI Meeting, 2006, det. G.D. Kitchener. 1st & 2nd records.
- +84/1.2×8. *Epilobium* × *floridulum* (*E. parviflorum* × *E. ciliatum*) (a hybrid willowherb). E side of Ammanford (Tiryddail) Station, SN624.126, G. Hutchinson, 1998; +Pwll Fly Ash Lagoon SSSI, Llanelli, SN471.010, BSBI Meeting, 2005; both NMW, det. G.D. Kitchener; +National Botanic Garden of Wales, Middleton, SN520.219, G.D. Kitchener, 2006; +Tywyn Burrows, SN378.048,

- BSBI Meeting, 2006, det. C. Cheffings & A.O. Chater; +Llandeilo Station, SN633.225, BSBI Meeting, 2006, det.G.D. Kitchener; +Welsh Wildfowl Centre, Penclacwydd, Llanelli, SS536.981, BSBI Meeting, 2006, det. C. Cheffings & A.O. Chater.
- *84/1.2×9. *Epilobium* ×*rivulare* (*E. parviflorum* × *E. palustre*) (a hybrid willowherb). Cwrwbrynybeirdd, Trapp, SN665.179, BSBI Meeting; det. A.O. Chater; +Pwll Fly Ash Lagoon SSSI, Llanelli, SN471.010, BSBI Meeting, det.G.D. Kitchener; both NMW, 2005. 1st & 2nd records.
- 84/1.3×6. *Epilobium* ×*aggregatum* (*E. montanum* × *E. obscurum*) (a hybrid willowherb). +S of B4300, SN570.197, G.D. Kitchener; +Brechfa, SN525.303, G.D. Kitchener; +Pantyffynnon Station, SN622.107, BSBI Meeting; +Llandeilo Station, SN63.22, BSBI Meeting; all 2006, det.G.D. Kitchener.
- *84/1.3×8. *Epilobium* ×*interjectum* (*E. montanum* × *E. ciliatum*) (a hybrid willowherb). +Llandeilo Station, SN63.22, BSBI Meeting; +Talley, SN631.328; both G.D. Kitchener, 2006, det.G.D. Kitchener. 1st & 2nd records.
- +84/1.4. *Epilobium lanceolatum* (Spear-leaved Willowherb) (Helyglys Gwaywddail). Two to three plants on gravelly substrate at N end of north-bound platform, Llandeilo Station, SN633.226, BSBI Meeting, 2006.
- *84/1.5×9. *Epilobium* ×*limosum* (*E. parviflorum* × *E. montanum*) (a hybrid willowherb). Llandeilo Station, SN633.225, BSBI Meeting, 2006, det.G.D. Kitchener. 1st record.
- +84/1.6×8. *Epilobium* ×*vicinum* (*E. obscurum* × *E. ciliatum*) (a hybrid willowherb). +Above Cothi valley, SN53.23, G.D. Kitchener; +N of Brechfa, SN520.319, S. Kitchener; +Pantyffynnon Station, SN622.107, BSBI Meeting; +Felin-y-coed, Taliaris, SN643.266, BSBI Meeting; +Dolaucothi gold mines, SN663.401, G.D. Kitchener; all 2006, det.G.D. Kitchener.
- +84/1.8×9. *Epilobium* ×*fossicola* (*E. ciliatum* × *E. palustre*) (a hybrid willowherb). Pwll Fly Ash Lagoon SSSI, Llanelli, SN471.010, det. A.O. Chater; +Felin-y-coed, Taliaris, SN643.266, det.G.D. Kitchener; both BSBI Meeting, 2006.
- +84/6.1×2. *Circaea* ×*intermedia* (*C. lutetiana* × *C. alpina*) (Upland Enchanter's-nightshade) (Llysiâu-Steffan yr Ucheldir). One plant on river shingle, Bronwydd, SN420.247, V & A Lewis, 2006. Most westerly record in v.c. and most south-westerly in UK: a fitting tribute for one of Tony's final contributions to the *Flora*.
- +‡85/2.1. *Aucuba japonica* (Spotted Laurel) (Coeden Frech Felen). Roadside hedgerow, Cefn Berach, SN575187, R.D. & K.A. Pryce, 2007. 2nd record for an obviously not deliberately introduced plant.
- +88/1.1. *Euonymus europaeus* (Spindle) (Piswydden). ‡Planted on riverside cliff adjacent to wooded valley side, Mill forecourt, Cenarth, SN269.415, R.D. Pryce, 2006.
- +‡91/2.9. *Euphorbia lathyris* (Caper Spurge) (Llaethlys Caprys). ©Wasteground, E of Pwll fishing lake, SN481.008, I.K. Morgan, 2006.
- +‡102/1.8. *Oxalis articulata* (Pink-sorrel) (Suran Ruddgoch). ©Garden throw-out in area of disturbed ground with tipped rubble and garden waste vegetated with tall herb species, Ystrad Mine, Glanamman, SN658.129, R.D. Pryce, 2006. 1st recent record.
- +103/1.18. *Geranium lucidum* (Shining Crane's-bill) (Pig-yr-aran Loywddail). ‡Farmyard N of house, Aberddeunant, SN671.307, R.D. Pryce, 2006.
- *©105/1.sul. *Impatiens sultani* (Busy-Lizzie). Several plants in flower in hedge-bottom by roadside field boundary near houses, Red Roses, SN204.117, R.D. Pryce, 2006. 1st Welsh record.
- +‡110/9.1. *Datura stramonium* (Thorn-apple) (Afal Dreiniog). ©At least 30 plants in maize field (remaining even after harvesting crop), West Mead Farm, Pendine, SN264.096, R.D. & K.A. Pryce, 2006.
- *©110/PET.axi×int. *Petunia* ×*hybrida* (*P. axillaris* × *P. integrifolia*) (Petunia) (Petwnia). Burry Port Railway Station, SN447.007, G. Hutchinson, 2006. NMW. 1st record.
- *‡116/10.1. *Trachystemon orientalis* (Abraham-Isaac-Jacob) (Abraham, Isaac a Jacob). Neglected churchyard, Llandyfeisant Church, Dinefwr Park, Llandeilo, SN621.222, V & A Lewis, 2005. 1st record.

- *‡116/12.2. **Amsinckia micrantha** (Common Fiddleneck) (Amsincia). ©Two plants in flower in angle between wall and tarmac surfaced car-park, Provisions Market, Carmarthen town centre, SN410.201, R.D. Pryce, 2006, NMW. (See *BSBI Welsh Bull.* No. 78 for photo).
- +‡118/5.4. **Lamium hybridum** (Cut-leaved Dead-nettle) (Marddanhadlen Dorddail). Very common amongst organic vegetable crop, Werndolau, SN583.187, I.K. Morgan, 2006.
- +118/1.5×6. **Stachys ×ambigua** (*S. sylvatica* × *S. palustris*) (Hybrid Woundwort) (Briwlys Croesryw). Aberdeunant near Talley, SN672.304, R.D. Pryce, 2006.
- +‡118/24.1. **Rosmarinus officinalis** (Rosemary) (Rhosmari). Large but unsympathetically cut 'tree' of Rosemary with trunk c.9 inches in diameter on northern roadside against bank, The Graig, Burry Port, SN445.016, Llanelli Naturalists, 2006.
- *‡123/2.orn. **Fraxinus ornus** (Manna Ash) (Ommen Eiddil). Planted shrub/tree area, Machynys Llanelli, SS506.982, R.D. Pryce, 2006, NMW. 1st Welsh record.
- *‡124/2.cup×smi. **Mimulus ×hybridus** (*M. cupreus* × *M. ×smithii*) cv. 'Mailibou Ivory' (a hybrid monkeyflower). Boundary wall of school, Mynydd y Garreg Hall, SN428.079, BSBI Meeting, 2006, NMW, det. A.J. Silverside. 1st Welsh record (see *BSBI News* No. 105 for photo).
- +‡124/12.1. **Kickxia elatine** (Sharp-leaved Fluellen) (Llysiâu-Llywelyn). Several plants, mainly along field headlands of maize field, West Mead Farm, Pendine, SN263.095, R.D. & K.A. Pryce, 2006, NMW.
- +‡124/16.19. **Veronica agrestis** (Green Field-speedwell) (Rhwyddlwyn-y-maes Gwyrdd). Disturbed ground in gravelly substrate at N end of north-bound platform, Llandeilo Station, SN633.226, BSBI Meeting, 2006, conf. H.J. Killick.
- +124/20.5b. **Euphrasia arctica** subsp. **borealis** [Arctic Eyebright]. Top saltmarsh, species-rich grassland meadow, Tywyn Burrows RAF Range, SN379.048, BSBI Meeting, 2006, det. A.J. Silverside.
- 125/2.10. **Orobanche minor** (Common Broomrape) (Gorfanhadlen). The long pedicelled form, Machynys, SS5.9, V & A Lewis, 2005, NMW, det. F. Rumsey. (see *BSBI Welsh Bull.* No. 79).
- +128/2.6. **Utricularia minor** (Lesser Bladderwort) (Chwysigenddail Bach). Locally abundant in NVC S27 community, basin mire, Cors Cairns, Mynydd Pencarreg, SN591.435, S.D.S. Bosanquet, 2005.
- 130/6.7. **Galium mollugo** (Hedge Bedstraw) (Briwydd y Clawdd). West-facing mown grassy roadside bank, 5km S of Newcastle Emlyn, SN330.351, R.J. Williams, 2006. 1st recent hectad record.
- *‡131/6.1. **Lonicera pileata** (Box-leaved Honeysuckle) (Gwyddfif Llorweddol). ©Originally planted in grounds of Woollen Mill Museum, Drefach-Felindre, SN354.390, R.D. & K.A. Pryce; +Well established on laneside bank, The Graig, Burry Port, SN448.017, Llanelli Naturalists; +Well established in farmyard, Felin-y-coed, Taliaris, SN643.266, BSBI Meeting; all 2006. 1st records.
- +‡135/35.1. **Inula helenium** (Elecampane) (Marchalan). ‡One large flowering plant in vegetable garden, Llandeilo, Crescent Road, SN630.222, H.J. Killick, 2006.
- +135/43.4. **Erigeron karvinskianus** (Mexican Fleabane) (Amrhydlwyd y Cerrig). ‡Garden escape at edge of Llanybri, down lane leading to St Clears, SN335.127, I.K. Morgan & R.N. Stringer, 2005.
- *‡135/44.1. **Conyza canadensis** var. **incisa** (Canadian Fleabane) (Amrhydlwyd Canada). Morlais Colliery, Llangennech, SN575.026, I.K. Morgan, 2005 NMW, det. G. Hutchinson. 1st record for variety.
- +‡135/55.4. **Anthemis tinctoria** (Yellow Chamomile) (Camri Melyn). On waste ground, Pwll, SN473.011, I.K. Morgan, 2006.
- +135/62.10×11. **Senecio ×ostenfeldii** (*S. jacobaea* × *S. aquaticus*) (a hybrid ragwort). Mynydd Llangyndeyrn, SN481.127; +Cwm Mawr, SN530.123; both A.O. Chater & A.J. Silverside, 2006.
- *‡135/65.1. **Delairea odorata** (German-ivy) (Creulys Dail Eiddew). Overflowing over garden wall onto roadside vegetation, Llanybri, SN336.125, I.K. Morgan & R.N. Stringer, 2005. 1st Welsh record. Young plants from seed or rooting of rampant stems present. Also across road. This species is not supposed to be fully hardy but, judging from the size of the plant in the garden, has managed quite well at Llanybri in recent winters. It is naturalised in the Scilly Islands, Cornwall and Channel Islands. Now Carms. too!

- *©135/68.2×ste. **Ligularia** cv. 'The Rocket' (? **L. przewalskii** × **L. stenocephala**) (a leopardplant). National Botanic Garden of Wales, Middleton, SN52.17, G.D. Kitchener, 2006. 1st Welsh record for cultivar.
- +‡135/73.1. **Calendula officinalis** (Pot Marigold) (Melyn Mair). ©Self sown on low boundary wall, Carmarthen, old mart site, SN408.202, R.D. Pryce, 2006
- *136/1.1. **Butomus umbellatus** (Flowering-rush) (Brwynen Flodeuog). ‡Well established in eutrophic pond inside sea wall constructed within the last decade as part of the Machynys Golf Course development, SS516.978, I.K. Morgan, 2006, **NMW**. 1st record.
- *137/1.1. **Sagittaria sagittifolia** (Arrowhead) (Saethlys). ‡Vegetated attenuation Pond, Traveller's Rest, Carmarthen, SN386.191, R.D. Pryce, 2006. 1st record.
- +‡148/2.4. **Lemna minuta** (Least Duckweed) (Llinad Bach). Small pond located on forestry land adjacent to Skanda Vale Monastery, Llanpumsaint, SN426.327, R.D. Pryce, 2006.
- 151/1.25×26. **Juncus** ×**diffusus** (**J. effusus** × **J. inflexus**) (Diffuse Rush) (Brwynen Dryledol). Welsh Wildfowl Centre, Penclacwydd, Llanelli, SS537.981, BSBI Meeting, 2006, det. A.O. Chater.
- *‡152/11.con. **Cyperus congestus** (Dense Flat-sedge). Locally frequent on limestone-aggregate surfaced factory development plateau at site where gypsies had periodically camped over the previous few years, 'Delta Lakes' site, Machynys, Llanelli, SS509.985, G. Hutchinson, I.K. Morgan & R.D. Pryce, 2003, **NMW**. Originally det. as *C. rotundus* but subsequently redet. as *C. congestus* by David Simpson at Kew. 1st Welsh record; +abundantly self sowing over several years in garden at Ty'r Waun, Pwll, SN469.012, I.K. Morgan, 2006; +Cracks in paving of garden patio, 57 Station Road, Llangennech, SN562.015, K.A. Pryce, 2006. **NMW**, det. R.D. Pryce.
- +152/16.9a. **Carex divulsa** subsp. **divulsa** (Grey Sedge) (Hesgen Lwydilas). Llandovery, SN760.347, M. Godfrey, 2006, **NMW**, det. A.O. Chater.
- +152/16.31. **Carex pendula** (Pendulous Sedge) (Hesgen Bendrom). ‡Several plants naturalised on E side of mill, Cenarth, SN270.415, R.D. Pryce, 2006.
- *152/16.41×46. **Carex** ×**luteola** (**C. distans** × **C. viridula** subsp. **viridula**) (a hybrid sedge). Damp hollow in saltmarsh/dune interface between helipad and firebreak, RAF Range, Tywyn Burrows, SN369.050, BSBI Meeting, 2006, det. M.S. Porter. 1st Welsh record. (see *BSBI News* No. 105 for photo).
- 152/16.65. **Carex acuta** (Slender Tufted-sedge) (Hesgen Tywysennau Main). ‡Probable garden throw-out at margin of Millstone Grit quarry pond, Mynydd y Garreg, SN436.086, A. Stevens, 2006, **NMW**, conf. A.O. Chater.
- +153/16.1. **Puccinellia maritima** (Common Saltmarsh-grass) (Gwellt y Morfa). Extensive population in saltmarsh below leisure centre, Johnston, Carmarthen, SN404.186, R.D. Pryce, 2006.
- +153/18.12. **Poa nemoralis** (Wood Meadow-grass) (Gweunwellt y Coed). Laneside bank, between Cwm and Cnwc, Glan Cych, SN263.384, R.D. & K.A. Pryce, 2006.
- +‡153/38.3. **Phalaris canariensis** (Canary-grass) (Pefrwellt yr Adar). ©Few plants in disturbed ground, Llandeilo Station Approach, SN633.228, H.J. Killick, 2006.
- +‡153/39.2. **Agrostis gigantea** (Black Bent) (Maeswellt Mawr). Quite extensive stand on rather disturbed sand E of control tower with some areas of cleared scrub, Tywyn Burrows RAF Range, SN378.049, BSBI Meeting, 2006, det. A.J. Silverside.
- *©153/68.fru. **Echinochloa frumentacea** (White Millet) (Cibogwellt Gwyn). On waste ground near Pembrey Parish Church, SN427.013, I.K. Morgan, 2006, **NMW**, det. G. Hutchinson. 1st record.
- +‡153/70.1. **Setaria viridis** (Green Bristle-grass) (Cibogwellt Gwyrddlas). ©Concrete surfaced slipway, Penclacwydd, Llanelli, SN531.981, BSBI Meeting, 2006, **NMW**, det. S. Thomas.
- 158/20.2×3. **Hyacinthoides** ×**massartiana** (**H. hispanica** × **H. non-scripta**) (a hybrid bluebell). ‡Talardd Villas, Ffairfach, SN628.204, R.D. Pryce, 2006.
- +158/24.1. **Allium schoenoprasum** (Chives) (Cenhinen Syfi). Clumps in rank grass by footbridge over river, Afon Lliedi, Old Castle Road, Furnace, SN503.013, I.K. Morgan, 2006.
- +‡158/24.7. **Allium triquetrum** (Three-cornered Garlic) (Garleg Trionglog). Clumps in rank grass by footbridge over Afon Lliedi, Old Castle Road, Furnace, SN503.013, I.K. Morgan, 2006.

- +‡159/13.3×aur. **Crocoshmia ×crocoshmiiflora** (**C. pottsii** × **C. aurea**) (Montbretia) (Montbretlys). Naturalised on riverside cliff adjacent to wooded valleyside, Mill forecourt, Cenarth, SN269.415, R.D. Pryce, 2006.
- +‡160/3.1. **Cordyline australis** (Cabbage-palm) (Palmwydden Fresych). Seeding at junction of sandstone wall and unmetalled backlane, Sandy Road, Iscoed, Llanelli, SN494.007, I.K. Morgan, 2006. 1st Welsh record as a neophyte. IKM reports that he has watched this plant for the last two years or so (he didn't know what it was initially). He has seen local cabbage palms produce fruit in the last few years and they are eaten by birds.

PEMBROKE (v.c. 45) (comm. S.B. Evans)

- +4/1.7. **Equisetum sylvaticum** (Wood Horsetail) (Marchrawnyn y Coed). Woodland edge, Canaston Wood, SN075.143, J. Hudson, 2004.
- +5/1.1. **Ophioglossum vulgatum** s.l. (Adder's-tongue) (Tafod y Neidr). +About 60 fronds in 2 groups in unimproved hay meadow, Bee-hall Farm, Pembroke, SN005.018, S. & A. Coker, 2005. Also found on 7/5/2006 at SN0908.0365 in Wyndrush Pastures, Redberth; +100s of fronds in winter flushed very slight depressions on cattle grazed short heathland turf, on edge of heathland that was ploughed in the 1980s, Plumstone Mountain, SM912.231, J. Hudson, 2006.
- +17/3.5. **Dryopteris aemula** (Hay-scented Buckler-fern) (Marchredynen Bêr). Woodland, Treffgarne gorge, SM962.242, J. Hudson, 2006. Several clumps at a small springhead under conifers and oak. Also found at SM962.2369. -on the same date in a quarry in the wood at the S. end of Brunel's cutting.
- +‡19/1.1. **Azolla filiculoides** (Water Fern) (Rhedynen y Dŵr). ©Pond in farmyard with *Ranunculus sceleratus*. Pentwd Uchaf, Cilgerran, SN176.441, M. Sutton, 2006.
- +28/13.11. **Ranunculus sceleratus** (Celery-leaved Buttercup) (Crafanc yr Eryr). Five rosettes in old ditch in cattle grazed pasture in extreme upper estuary, W of Llwyngwair Mill, Newport, SN066.393, S.B. Evans & J. Webber, 2006.
- +‡30/1.3. **Papaver somniferum** (Opium Poppy) (Llysiau Cwsg). ©Disturbed ground, Pwllgwaelod, Dinas, SN006.398, S.B. & A.E. Evans, 2006. Large stands in sand dumped E of the car-park, dug from the old dunes W of the Sailor's Safety Pub. *Solanum nigrum* & *Brassica nigra* also present.
- +43/1.6. **Chenopodium rubrum** (Red Goosefoot) (Troed-yr-ŵydd Coch). +Over thirty plants in wide layby with muck traces, Crug-las Farm, Croesgoch, SM807.292, (site used as major farmyard manure dump in previous years); +2 plants in disused quarry in field, Beulah Hill, Little Newcastle, SM981.285; both S. Bosanquet, 2006.
- +‡43/1.8. **Chenopodium polyspermum** (Many-seeded Goosefoot) (Troed-yr-ŵydd Amlhadog). Disturbed ground, Merlin's Bridge Roundabout, Haverfordwest, SM947.145, S. Bosanquet, 2006.
- +©44/1.1. **Amaranthus retroflexus** (Common Amaranth) (Blodyn Amor). Disturbed ground, Rhoscrowther, SM904.021, S.B. Evans, 1999, det. G. Hutchinson (2006).
- [‡44/1.2. **Amaranthus hybridus** (Green Amaranth) (Blodyn Amor Gwyrdd). ©Disturbed ground, Rhoscrowther, SM904.021, S.B. Evans, 1999. Specimen collected and record submitted by SBE and published in the *New Atlas*. Specimen re-determined as *A. retroflexus* by George Hutchinson on 27/09/2006.]
- +45/3.1d. **Montia fontana** subsp. **chondrosperma** (Blinks) (Porpin y Ffynnon). Abundant on damp heathy road verge, with young *Ulex europaeus* and various bryophytes, opposite Thornton turnoff, south-west of Tier's Cross, SM893.090, S. Bosanquet, 2006.
- +‡46/20.11. **Silene gallica** (Small-flowered Catchfly) (Gludlys Amryliw). Two plants on the edge of an organic barley crop, Castell Farm, Dinas, SM979.374, S.B. & A.E. Evans, 2006.
- +‡62/28.1. **Thlaspi arvense** (Field Penny-cress) (Codywasg y Maes). Several plants in a field on an organic farm put down to *Miscanthus* earlier in the year, Penrhiw Farm, Goodwick, SM942.385, S.B. & A.E. Evans, 2006.

- +62/34.5. **Brassica nigra** (Black Mustard) (Mwstard Du). ©Growing with *Anchusa arvensis* in disturbed area in dunes on the edge of the golf course by the side of a tee, Newport Dunes, SN053.404, S.B. & A.E. Evans, 2006.
- +‡73/1.1. **Crassula tillaea** (Mossy Stonecrop) (Corchwyn Mwsoglog). Abundant in the car-park W of the dam, Llys-y-fran Reservoir, SN035.242, S. Bosanquet, 2006. 2nd record - the other was from Manorbier car-park in 1996 where it has persisted.
- *©73/5.kam. **Sedum kamschaticum** var. **ellacombianum** (Kamchatka Stonecrop) (Briweg Camtsiatca). Over 30 plants, including small seedlings, on waste ground of disused scrap metal depot, Johnston, SM932.110, S. Bosanquet, 2006, det. S. Bosanquet & A.O. Chater. 1st Welsh record.
- +74/5.19. **Saxifraga tridactylites** (Rue-leaved Saxifrage) (Tormaen Tribys). Bare ground, Llawhaden Castle, SN072.174, Dr J. Partridge, 2000. Still present in the Castle in January 2007 - SBE/AEE; +car-park made from old quarry floor, Treffgarne gorge, SM958.242; +flat concrete roof W of lane by old Stables, Llwyngwair, Newport, SN072.395; both J. Hudson, 2006.
- +75/13.1×2. **Geum ×intermedium** (**G. rivale** × **G. urbanum**) (Hybrid Avens) (Mapgoll Groesryw). A small population at the back of the damp roadside verge alongside a tree-lined hedge just off the B4313, N of Llandre Bridge, Pen-ffordd, SN093.206, S.B. & A.E. Evans, 2006.
- +75/21.16. **Rosa sherardii** (Sherard's Downy-rose) (Rhosyn Sherard). Hedgebank at western extremity of Dowrog Common, SM766.264, S.B. & A.E. Evans, 2004.
- *‡75/31.1. **Photinia davidiana** (Stranvaesia) (Stranfaesia). Small specimens, almost certainly bird-sown, under a 200+ year old *Fagus sylvatica*, one fruiting, alongside Forestry Commission tree nursery, Minwear Wood, SN058.137, S.B. Evans & J. Hudson, 2006. 1st record.
- +©94/1.2. **Linum usitatissimum** (Flax) (Llin). Arable, Penrhiw Farm, Goodwick, SM945.387, S.B. & A.E. Evans, 2006. Relict of cultivation on field edge in OS5679 on an organic farm.
- +‡107/29.1. **Petroselinum crispum** (Garden Parsley) (Persli). ©Several plants with uncrisped leaves including some in flower in wall footings, Old School, Newport, SN058.392, S.B. & A.E. Evans, 2006. Clearly not planted.
- +107/40.1. **Pastinaca sativa** (Wild Parsnip) (Panasen Wyllt). ©Two plants in disturbed ground on gravel entrance to building site, Johnston, SM933.109, S. Bosanquet, 2006.
- +‡118/5.6. **Lamium amplexicaule** (Henbit Dead-nettle) (Marddanhadlen Goch Ddeilgron). Growing on edge of cereal crop in coastal field, W of Aberbach, Dinas, SM995.387, S.B. & A.E. Evans, 2006. Not found before during visits to the same field in earlier years.
- +118/21.3. **Thymus polytrichus** subsp. **britannicus** (Wild Thyme) (Teim Gwyllt). Numerous patches in short grassland amongst rocks, N of Carnalw, Mynydd Prescelly, SN138.340, S.B. Evans, 2006.
- +‡124/8.2. **Chaenorhinum minus** (Small Toadflax) (Trwyn-y-llo Bach). Railway ballast on W side of tracks, Milford Haven railway station, SM899.062, S.B. Evans, 2006.
- +‡124/9.1. **Misopates orontium** (Weasel's-snout) (Y Trwyn-y-llo Lleiaf). Disturbed ground, Merlin's Bridge Roundabout, Haverfordwest, SM947.145, S. Bosanquet, 2006.
- +124/13.1×4. **Linaria ×sepium** (**L. vulgaris** × **L. repens**) (a hybrid toadflax). One plant of the hybrid with both parents on railway ballast on the western edge of the railway line S and W of the platform, Milford Haven railway station, SM899.061, S.B. Evans, 2006.
- +‡124/16.20. **Veronica polita** (Grey Field-speedwell) (Rhwyddlwyn-y-maes Llwyd). Disturbed ground in end field of habitat creation project, Trehill Farm, Marloes, SM774.078, M. Sutton, 2006.
- +124/23.1. **Parentucellia viscosa** (Yellow Bartsia) (Gorudd Melyn). ‡A seeded turf stripped damp area, Knapps Farm, Martletwy, SN059.102, M. Sutton, 2006. Area seeded by spreading cuttings taken by Rytec flail mower from an adjoining SSSI.
- +‡127/1.1. **Acanthus mollis** (Bear's-breech) (Troed yr Arth). Road edge which passes through secondary woodland near the top of a steep hill, Brynhenllan, Dinas, SN008.397, S.B. Evans, 2006. There are gardens higher up the hill.
- +‡133/1.4. **Valerianella dentata** (Narrow-fruited Cornsalad) (Gwylaeth-yr-oen Meiffwrwyth). Two plants in gap for new gateway between arable fields, Penrhiw Farm, Goodwick, SM945.388, S.B.

- & A.E. Evans, 2006. New gateway created in 2006 by taking down part of an old Pembrokeshire hedgebank between OS5679 & 6490 on an organic farm. Buried seed??
- +†135/8.1. *Silybum marianum* (Milk Thistle) (Ysgallen Fair). ©One plant in a field on an organic farm put down to *Miscanthus* earlier in the year, Penrhiw Farm, Goodwick, SM942.386, S.B. & A.E. Evans, 2006.
- *135/11.deb.thu. *Centaurea debeauxii* subsp. *thuilieri* var. *thuilieri* (Chalk Knapweed). ©Abundant on seeded bank by road with one plant of *Centaurea scabiosa*, Ford Farm, Steynton, SM917.082, S. Bosanquet, 2006, conf. A.O. Chater, 1st record.
- +†135/22.1. *Lactuca serriola* (Prickly Lettuce) (Letusen Bigog). © Growing from between the paving stones below the dam, Llys-y-fran Reservoir, SN037.242, H. Williams, 2002.
- +135/24.1. *Mycelis muralis* (Wall Lettuce) (Gwylaeth y Fagwyr). Moor Farm, Jeffreyeston, SN07.07, S. Bosanquet, 2001.
- *135/28.arg. *Hieracium argillaceum* (Southern Hawkweed). Old railway yard/disused railway track, Letterston, SM927.305, S.B. Evans, 1999, NMW, det. D.J. McCosh (2006). 1st record.
- *†135/74.1. *Ambrosia artemisiifolia* (Ragweed) (Bratlys). ©Disturbed ground in village demolished by Texaco/Chevron on site of old aviary, Rhoscrowther, SM904.021, S.B. Evans, 1999, det. T.C.G. Rich. Specimen collected and provisionally identified by SBE - confirmed by TCGR 21/9/2006; +©a single plant between patio slabs at rear of house (possible bird-seed origin?), Pembroke Road, Haverfordwest, SM950.137, H. Gravell, 2006. 1st & 2nd records.
- +152/3.5. *Eleocharis quinqueflora* (Few-flowered Spike-rush) (Ysbigfrwynen Goch). North-east of let Goch Farm, Mynachlog-ddu, SN167.295, S. Bosanquet *et al.*, 2000.
- +152/7.1. *Schoenoplectus lacustris* (Common Club-rush) (Llafwynen). ‡Swamp, Wern Moor, Tretio, SM78.28. S. Bosanquet & D. Reed, 2001. The plant is not believed to be native but is regarded as a Neophyte. Confirmation of an earlier National Trust record.
- +152/12.1. *Schoenus nigricans* (Black Bog-rush) (Corsfrwynen Ddu). Over 100 clumps of *Schoenus* in a small area in a moorland flush, Rhos y Bryn, Mynydd Prescelly, SN095.332, A.J. Turner, 2005. Despite numerous surveys of this extensive heathland over many years this long-standing population had been missed.
- +152/16.43. *Carex extensa* (Long-bracted Sedge) (Hesgen-yr-heli Bractau Hir). Seacliff ledges, Renney Slip, Marloes, SM760.086, S.B. Evans, 2000.
- +153/12.1. *Festuca pratensis* (Meadow Fescue) (Peiswellt). Treleddyf-fawr Moor, St David's, SM75.27. S. Bosanquet & D. Dobson, 2001. 1st recent hectad record.
- +†153/14.3. *Vulpia myuros* (Rat's-tail Fescue) (Peisgwellett y Fagwyr). Railway ballast, Treffgarne gorge, SM960.240, J. Hudson, 2006.
- *153/39.6. *Agrostis curtisii* (Bristle Bent) (Maeswellt Gwrychog). A few plants present in major heathland creation project on former arable coastal fields, Runwayskiin, Trehill Farm, Marloes, SM774.078, M. Sutton, 2006, det. A.O. Chater. 1st record. Not recorded on any of the adjacent coastal heath.
- +153/50.3. *Bromus racemosus* (Smooth Brome) (Pawrwellt Llyfn). Rush-pasture, Moor Farm, Jeffreyeston, SN068.077, S. Bosanquet, 2001. 1st recent record.
- +†153/70.1. *Setaria viridis* (Green Bristle-grass) (Cibogwellt Gwryddlas). ©Disturbed ground, Ward's Yard, Milford Haven, SM912.054, S.B. Evans, 1999; +©A few plants by the front wall of Lion House, Cilgerran, SN195.429, S.B. Evans, 2001; both det. G. Hutchinson; +©one well-grown plant in disturbed ground, Merlin's Bridge Roundabout, Haverfordwest, SM947.145, S. Bosanquet, 2006.
- *©153/70.ita. *Setaria italica* (Foxtail Bristle-grass) (Cibogwellt yr Eidal). Disturbed ground in village demolished by Texaco/Chevron on site of old aviary, Rhoscrowther, SM904.021, S.B. Evans, 1999, det. G. Hutchinson.
- +159/5.8. *Iris foetidissima* (Stinking Iris) (Gellesgen Ddrewlyd). ‡Woodland, Coed Cwm Gloyne, Felindre Farchog, SN103.394, S.B. Evans, 2004.
- +162/18.2×4. *Dactylorhiza × hallii* (*D. maculata* × *D. praetermissa*) (a hybrid marsh-orchid). One plant in rush-pasture in each of 2 adjacent fields. Moor Farm, Jeffreyeston, SN068.076, S. Bosanquet, 2001.

+162/20.3. *Orchis morio* (Green-winged Orchid) (Tegeirian y Waun). Dunes, Linney and Frainslake Burrows, Castlemartin Range, SR896.975, S. & A. Coker, 2006. The Frainslake dunes record was on 20/5/2006 at SR8968.9767.

CARDIGAN, v.c. 46 (comm. A.O. Chater)

- +5/1.1. *Ophioglossum vulgatum* (Adder's-tongue) (Tafod y Neidr). North-facing pasture slope, Banc Nanrthiugenau, Cwm Magwr, SN697.758, H. Scott, 2006.
- +17/3.2×3. *Dryopteris* × *complexa* nothosubsp. *complexa* (*D. filix-mas* × *D. affinis* subsp. *affinis*) (a hybrid buckler-fern). Shaded roadside bank, 200m NW of Caer-Cadwgan, Cellan, SN614.480, K. Trewren, S.J. Thomas & A.O. Chater, 2005.
- +17/3.8×9. *Dryopteris* × *deweveri* (*D. carthusiana* × *D. dilatata*). Heathy mound in mire, 1km E of Drybedd, Pumlumon, SN7801.8323, S.D.S. Bosanquet & A.O. Chater, 2006.
- *28/17.4. *Thalictrum minus* (Lesser Meadow-rue) (Arianllys Bach). One small plant in rock crevice on cliff in ancient woodland, bottom of Allt Boeth, Cwm Rheidol, SN737.773, C.M. Forster Brown, 2006. Certainly native and 1st record as such.
- *‡29/EPL.alp. *Epimedium alpinum* (Barren-wort) (Anhiliog). Estate woodland, Castle Hill, Llanilar, SN62.74, J.H. Salter, 1935-1942. Annotated by J.H. Salter as 'Naturalised' in his copy of *Flowering Plants and Ferns of Cardiganshire* in NMW. Apparently new as naturalised in Britain and Ireland.
- *‡35/2.1. *Ficus carica* (Fig) (Ffigybsren). ©Planted tree in hedge, by sewage works, Glanrafon, SN6063.8002, A.O. Chater, 2006. 1st record.
- +36/2.1. *Parietaria judaica* (Pellitory-of-the-wall) (Paladr y Wal). Masonry, Llechryd bridge, SN218.436, A.O. Chater, 2006.
- +‡39/4.7. *Quercus rubra* (Red Oak) (Derwen Goch). By Forestry Commission track, Coed Maenarthur, Ponrthyd-y-groes, SN722.721, S.P. Chambers, 2006. 1st record of a self-sown sapling.
- +‡43/1.13. *Chenopodium ficifolium* (Fig-leaved Goosefoot) (Troed-yr-ŵydd Dail Ffigys). ©Arable weed, WIRS trial plots, Lovesgrove, SN635.811, A.O. Chater, 2006.
- +‡51/1.3×4. *Hypericum* × *inodorum* (*H. androsaemum* × *H. hircinum*) (Tall Tutsan) (Dail-y-Beiblau Tal). Mixed open woodland, Black Covert, Trawsgoed, SN6681.7255, A.O. Chater, 2006.
- +‡61/2.13. *Salix eriocephala* (Heart-leaved Willow) (Helygen Dail Calon). Scrub, originally planted and spreading vigorously, E of sewage works, Glanrafon, SN6060.8010, A.O. Chater, 2006, NMW.
- +©62/9.1. *Malcolmia maritima* (Virginia Stock) (Murwyll Virginia). Pavement weed, Corporation Street, Aberystwyth, SN583.818, A.O. Chater, 2006. 1st record since pre-1936.
- +‡62/31.1. *Coronopus squamatus* (Lesser Swine-cress) (Olbrain Bach). Trackside, MoD site, Aberporth, SN245.519, A.O. Chater, 2006.
- +72/2.6. *Ribes alpinum* (Mountain Currant) (Llwyn Cwrens y Mynydd). ‡Mixed estate woodland, 250m NW of Coedmore, SN1925.4365, A.O. Chater & L.R. Gander, 2006, NMW.
- *‡72/2.div. *Ribes divaricatum* (Worcesterberry). Hedges and scrub, Gilfach yr Halen, SN436.612, A.O. Chater & P.A. Smith, 2006, NMW, ITR. Apparently new as naturalised in Britain and Ireland; relic bushes in old orchard and self-sown in hedges nearby.
- 74/5.4. *Saxifraga stellaris* (Starry Saxifrage) (Tormaen Serennog). Rocks by stream, Afon Tarenig, E of Eisteddfa Gurig, SN801.839, S.D.S. Bosanquet & A.O. Chater, 2006.
- +‡75/3.5. *Spiraea japonica* (Japanese Spiraea) (Erwain Japan). ©Waste ground, boatbuilding yard, Ynys-las, SN616.933, A.O. Chater & J.P. Woodman, 2006, NMW.
- +‡75/8.134. *Rubus armeniacus* 'Himalayan Giant'. Disused refuse tip, SW side of Pendinas, Aberystwyth, SN584.799, A.O. Chater, 2006.
- *75/8.195. *Rubus moylei* (a bramble). Heathy, felled conifer plantation, 700m NNW of Gwenlli church, SN389.541, D.E. Allen & A.O. Chater, 1998, NMW, det. D.E. Allen, conf. A. Newton.

- *‡75/9.mon. *Potentilla montana* (Mountain Cinquefoil). Bank at top of sea cliffs, Constitution Hill, Aberystwyth, SN584.828, A.D. Hale, 2006, **NMW, LTR**, det. A.O. Chater. Apparently new as naturalised in Britain and Ireland
- +‡75/17.3b. *Sanguisorba minor* subsp. *muricata* (Fodder Burnet) (Bwrned Ebran). Road verges, Nantyrarian visitor centre, SN717.813, A.O. Chater, 2006. New altitude limit (320m).
- +75/21.12×19. *Rosa* ×*toddiae* (*R. canina* × *R. micrantha* - female × male) (a hybrid rose). Scrub by disused railway, by suspension bridge just E of Llanilar station, SN6293.7524, R. Maskew & A.O. Chater, 2006. **NMW**.
- +77/14.8. *Vicia tetrasperma* (Smooth Tare) (Ffacbysen Lefn). Roadside verge, Penyrreryd, Gwbert, SN165.485, A.O. Chater, 2006.
- +‡77/15.7. *Lathyrus grandiflorus* (Two-flowered Everlasting-pea) (Ythysen Fythol Fawr-flodeuog). Roadside hedge, Clogfryn, Aberacron, SN4486.6200, A.O. Chater, 2006.
- +‡77/17.1. *Melilotus altissimus* (Tall Melilot) (Yr Wydro Dal). ©Waste ground, boatbuilding yard, Ynys-las, SN616.933, A.O. Chater & J.P. Woodman, 2006.
- +‡77/17.2. *Melilotus albus* (White Melilot) (Yr Wydro Wen). ©Waste ground, boatbuilding yard, Ynys-las, SN616.933, A.O. Chater & J.P. Woodman, 2006.
- +77/18.5. *Medicago arabica* (Spotted Medick) (Maglys Brith). ‡Amenity grassland by steps to lifeboat station, New Quay, SN3899.5989, S.P. Chambers; +‡Waste ground, boatbuilding yard, Ynys-las, SN616.933, J.P. Woodman & A.O. Chater, 2006.
- *84/1.1×2. *Epilobium* ×*subhirsutum* (*E. hirsutum* × *E. parviflorum*) (a hybrid willowherb). Pathside near Science Park, Llanbadarn Fawr, SN597.813, S.P. Chambers, 2006, **herb. SPC**, conf. T.D. Pennington. 1st record.
- +84/1.2×8. *Epilobium* ×*floridulum* (*E. parviflorum* × *E. ciliatum*) (a hybrid willowherb). Dune slack, Ynys-las dunes, E of road, SN610.938, A.O. Chater & J.P. Poland, 2006, **NMW**, conf. G.D. Kitchener.
- +84/1.5. *Epilobium tetragonum* (Square-stalked Willowherb) (Helyglys Pedronglog). Waste ground, boatbuilding yard, Ynys-las, SN616.933, A.O. Chater & J.P. Woodman, 2006.
- +84/1.6×9. *Epilobium* ×*schmidtianum* (*E. obscurum* × *E. palustre*) (a hybrid willowherb). Dune slack, Ynys-las dunes, E of road, SN610.938, A.O. Chater & J.P. Poland, 2006, **NMW**, conf. G.D. Kitchener.
- +‡85/1.2. *Cornus sericea* (Red-osier Dogwood) (Cwyrsoyn Cochfrig). Naturalised in hedge, Ty'n-caeruyin, WSW of Swyddffynnon, SN6705.6540, A.O. Chater & R. Maskew, 2006.
- +‡88/1.1int. *Euonymus europaeus* var. *intermedius* (Spindle) (Piswydden). Wooded slope, 400m NW of Coedmore, Teifi gorge, SN1919.4372, A.O. Chater, 2006, **NMW**. 1st record of variety.
- *‡93/2.2. *Panthocissus inserta* (False Virginia-creeper) (Dringwr Fflamgoch Ffug). Willow carr by road, Llanfynfelyn Common, SN642.923, A.O. Chater, 2006, **NMW**. 1st record as neophyte.
- +103/1.7. *Geranium pratense* (Meadow Crane's-bill) (Pig-yr-aran y Weirglodd). ‡Verge by drive, Blaenpant, Llandygywydd, SN2513.4417, A.O. Chater, 2006.
- +‡103/1.17. *Geranium macrorrhizum* (Rock Crane's-bill) (Pig-yr-aran Wreiddfawr). Kerb-side grassland, Cwm Halen, New Quay, SN3969.5882, S.P. Chambers, 2006.
- *‡103/1.dal×17. *Geranium* ×*cantabrigiense* (*G. dalmaticum* × *G. macrorrhizum*). Grassy slope by quarry, bottom of Bryn-y-mor Road, Aberystwyth, SN584.825, A.O. Chater, 2005, **NMW, LTR**. Apparently new as naturalised in Britain and Ireland.
- *‡106/1.alg. *Hedera algeriensis* (Algerian Ivy) (Iorwg Algeria). Roadside bank, Just E of Llys-y-graig, Cwmerfyn, SN689.831, A.O. Chater, 2006. 1st v.c. & only extant Welsh record.
- +‡107/21.1. *Foeniculum vulgare* (Fennel) (Ffenigl). Waste ground, boatbuilding yard, Ynys-las, SN616.933, A.O. Chater & J.P. Woodman, 2006.
- +‡110/9.1. *Datura stramonium* (Thorn-apple) (Afal Dreiniog). +Eight plants in pasture, N side of Afon Rheidol W of Capel Bangor bridge, SN6466.7993, J. Valentine; +Five plants in fodder crop, field N of A44(T) in Capel Bangor, SN6570.8022, S.P. Chambers; both 2006.
- +116/4.1pur. *Symphytum officinale* var. *purpureum* (Common Comfrey) (Cyfardwf). ‡Dominant, with *Aster* spp. in area 75×7m on old allotment site, between Afon Rheidol and Bvd St. Brieuc, Aberystwyth, SN5880.8113, A.O. Chater, 2006, **NMW**. 1st record of variety.

- +116/15.9. **Myosotis ramosissima** (Early Forget-me-not) (Sgorpionllys Cynnar). Disturbed ground, MoD site, Aber-porth, SN245.519, A.O. Chater, 2006.
- +†118/5.6. **Lamium amplexicaule** (Henbit Dead-nettle) (Marddanhadlen Goch Ddeilgron). Arable weed, WIRS trial plots, Lovesgrove, SN635.811, A.O. Chater, 2006.
- +†118/16.1. **Melissa officinalis** (Balm) (Balm). ©Waste ground, boatbuilding yard, Ynys-las, SN616.933, A.O. Chater, 2006.
- +†118/23.1×2×3. **Mentha ×smithiana** (*M. arvensis* × *M. aquatica* × *M. spicata*) (Tall Mint) (Mintys Coch). Poor fen, Comin Esgair-maen, Bronnant, SN650.648, S.D.S. Bosanquet, 2006.
- +118/23.1×3. **Mentha ×gracilis** (*M. arvensis* × *M. spicata*) (Bushy Mint) (Mintys Culddail). †Valley mire, Cors Gorsgoch, SN4838.5037, S.D.S. Bosanquet & A.O. Chater, 2004.
- +120/1.3. **Callitriche stagnalis** (Common Water-starwort) (Brigwlydd Cyffredin). Ditch in flush in Molinia, SE of Eisteddfa Gurig, SN804.836, A.O. Chater, 2006.
- +†124/10.1. **Asarina procumbens** (Trailing Snapdragon) (Trwyn-y-llo Ymlusgol). Face of low wall, Frongog, 1km E of Llanbadarn Fawr, SN614.813, S.P. Chambers, 2006. 2nd record.
- +†124/12.1. **Kickxia elatine** (Sharp-leaved Fluellen) (Llysiau-Llywelyn). On gravelly graves, Rhydpennau cemetery, SN628.863, A.C. Williams, 2004.
- +†124/16.25. **Veronica longifolia** (Garden Speedwell) (Rhwyddlwyn Hirddail). Rough grass, old woodyard site, Llanilar, SN6258.7531, A.O. Chater & J.P. Poland, 2006, NMW.
- +124/20.5b×19. **Euphrasia ×venusta** (*E. arctica* [subsp. *borealis*] × *E. scottica*) (a hybrid eyebright). Flush in upland *Molinia*, 400m ESE of Eisteddfa Gurig, SN8012.8385, S.D.S. Bosanquet & A.O. Chater, 2006, NMW, conf. A.J. Silverside.
- +124/20.7×1a. **Euphrasia rostkoviana** × *E. confusa* (a hybrid eyebright). Upland sheepwalk, E end of Craig Clogan, Cwm Berwyn, SN7268.5808, A.O. Chater, 2003, NMW, det. A.J. Silverside.
- *†125/1.2. **Lathraea clandestina** (Purple Toothwort) (Deintlys Porffor). Wooded dingle, Penglais, Aberystwyth, SN593.820, R. Griffiths. 2006. 1st record. Known here for at least 30 years
- +133/1.1. **Valerianella locusta** (Common Cornsalad) (Gwylaeth yr Oen). Pavement edge, Tregaron, 150m E of church, SN6812.5970, A.O. Chater, 2006.
- +†135/11.3. **Centaurea cyanus** (Cornflower) (Glas yr Ŷd). ©Building site, University campus, Aberystwyth, SN5984.8196, A.O. Chater, 2006.
- +†135/22.1. **Lactuca serriola** (Prickly Lettuce) (Letusen Bigog). ©Waste ground, boatbuilding yard, Ynys-las, SN616.933, A.O. Chater & J.P. Woodman, 2006.
- +†135/25.216. **Taraxacum undulatiflorum** (a dandelion). Road verges, Penyrangor, Aberystwyth, SN580.807, P.A. Smith & A.O. Chater, 2006, NMW, det. A.J. Richards, 2nd record.
- *©135/34.bra. **Helichrysum bracteatum** (Everlastingflower). Waste ground, boatbuilding yard, Ynys-las, SN616.933, J.P. Woodman & A.O. Chater, 2006. 1st record.
- +†135/43.1. **Erigeron glaucus** (Seaside Daisy) (Amrhydlwyd Arfor). Mortared wall, Blaenannerch chapel graveyard, SN2474.4908, A.O. Chater, 2006.
- +†135/44.1. **Conyza canadensis** var. *canadensis* (Canadian Fleabane) (Amrhydlwyd Canada). ©Waste ground, Ynys-las boatbuilding yard, SN616.933, A.O. Chater & J.P. Woodman, 2006. 1st record of variety.
- +†135/55.3. **Anthemis cotula** var. *cotula* (Stinking Chamomile) (Camri'r Cŵn). Waste ground, Felin-y-mor, Aberystwyth, SN5813.8027, A.O. Chater & J.P. Poland, 2006, NMW. 1st record of variety.
- *142/1.1×2. **Potamogeton ×gessnacensis** (*P. natans* × *P. polygonifolius*) (a hybrid pondweed). Backwater outflow, by Forestry Commission car-park, Tynbedw, Llnafan, SN694.716, R.V. Lansdown & A.O. Chater, 2006, NMW, conf. C.D. Preston. 1st record.
- +†147/2.1. **Lysichiton americanus** (American Skunk-cabbage) (Pidyn-y-gog Americanaidd). River bank, Afon Rheidol, Glanrhyd-ty-noeth, Capel Bangor, SN669.783, R. Liford, 2006.
- +151/1.25. **Juncus inflexus** (Hard Rush) (Brwynen Galed). Wet woodland, Cwm Halen, New Quay, SN396.588, S.P. Chambers, 2006.
- *152/16.67×69. **Carex ×decolorans** (*C. nigra* × *C. bigelowii*) (a hybrid sedge). Upland sheepwalk, Sian Groca, Pumlumon, SN8038.8773, A.O. Chater, 2001, NMW. 1st record.
- +153/12.13. **Festuca lemanii** (Confused Fescue) (Peiswellt Leman). Vegetated river shingle, Grogwynion, Afon Ystwyth, SN711.719, A.O. Chater, 2005, NMW.

- +†153/14.3. *Vulpia myuros* (Rat's-tail Fescue) (Peisgwelwt y Fagwyr). Waste ground and tracksides, MoD site, Aber-porth, SN245.519, A.O. Chater, 2006. 1st record away from the railway system.
- *153/18.2pur. *Poa annua* f. *purpurea* (Annual Meadow-grass) (Gweunwelwt Unflwydd). Flowerbeds and paths, Archibalds' garden centre, Ffostrasol, SN363.477, J.P. Poland & A.O. Chater, 2006, **NMW**. 1st record of forma. This almost invisible form was described by M.L. Grant in *Watsonia* 24: 525-526 (2003) and seems to be known only from gardens.
- *153/25.1. *Melica nutans* (Mountain Melick) (Meligwelwt Pendrwm). Rocky slope in ancient woodland, bottom of Allt Boeth, Cwm Rheidol, SN7370.7733, C.M. Forster Brown, 2006, **NMW**. 1st record.
- +†153/47.6. *Alopecurus myosuroides* (Black-grass) (Cynffonwelt Du). Waste ground, Felin-y-mor, Aberystwyth, SN5813.8027, A.O. Chater & J.P. Poland, 2006.
- +153/50.3. *Bromus racemosus* (Smooth Brome) (Pawrwellt Llyfn). Sandy pasture, S of Mwtnt church, SN195.519, P.A. Smith & A.O. Chater, 2006.
- +‡153/62.ric. *Cortaderia richardii* (Early Pampas-grass) (Peithwelwt Cynnar). Two self-sown clumps on river bank, Afon Brenig, Tregaron, SN6790.5964, A.O. Chater, 2006.
- *©153/68.col. *Echinochloa colona* (Shama Millet) (Cibogwelwt y Trofannau). Bird-seed casual by bus station, Aberystwyth, SN586.816, A.O. Chater, 2006, **NMW**. 1st v.c. & only recent Welsh record.
- *©153/71.cil. *Digitaria ciliaris* (Tropical Finger-grass) (Byswelwt Trofannol). Pavement weed, Aberystwyth marina, SN5818.8120, A.O. Chater, 2006, **NMW**. 1st v.c. & 2nd Welsh record.
- +©153/71.san. *Digitaria sanguinalis* (Hairy Finger-grass) (Byswelwt Blewog). Bird-seed casual on garden terrace, Cartref, Llanbadarn Fawr, SN601.809, S.P. Chambers, 2006.
- +154/1.1b. *Sparganium erectum* subsp. *microcarpum* (Branched Bur-reed) (Cleddlys Canghennog). Small pool in pasture, Caeau Ardwyn, Gorsgoch, SN4929.5029, A.O. Chater, 2006.
- *158/31.1b. *Leucojum aestivum* subsp. *pulchellum* (Summer Snowflake) (Eiriaidd yr Haf). ‡Wooded slope, Llanbadarn Fawr, SN607.805, A.O. Chater & S.P. Chambers, 2006, **NMW**. 1st record of subspecies.
- +158/35.1. *Ruscus aculeatus* (Butcher's-broom) (Celynnen Fair). ‡Roadside hedgebanks, Brynbedw, 1.5km ENE of Capel Dewi, SN4674.4319, A.O. Chater & B. & G. Harrison, 2006.
- *‡159/2.3. *Sisyrinchium californicum* (Yellow-eyed-grass) (Sisirinciwm Melyn). Abundant in area 30×10m on gravelly scrub slope, Maes-y-pwll, New Quay, SN391.595, A.O. Chater, 2006, **NMW**, conf. E.J. Clement. 1st record.
- +‡160/1.glo. *Yucca gloriosa* (Spanish-dagger) (Dagr Sbaen). Scrub above former refuse tip, SW side of Pendinas, Aberystwyth, SN583.800, A.O. Chater, 2006.

MONTGOMERY, v.c. 47 (comm. Mrs M. Wainwright)

- 74/5.4. *Saxifraga stellaris* (Starry Saxifrage) (Tormaen Serennog). Two non-flowering rosettes (with 12 more on v.c. 46 side of stream) on streamside rocks, N side of Afon Taremig, SN803.838, S.D.S. Bosanquet, 2006, conf. A.O. Chater.
- +74/5.15. *Saxifraga granulata* (Meadow Saxifrage) (Tormaen Gwyn y Gweunydd). ‡A few plants, evidently self-sown from somewhere, amongst a closed carpet of *Sedum album*, occasional *S. acre* and rare *S. spurium* on a pitched turf roof of one of the buildings at the Centre for Alternative Technology, near Corris, SH7.0, S.P. Chambers, 2003. Erroneously given for Merioneth v.c. 48 in the *BSBI Welsh Bulletin* No. 76, p. 42 (2005). It is for Montgomery v.c. 47.
- [+84/1. *Epilobium* (Willowherb) (Helyglys). Montgomery v.c.47: The plants on the "Grassy edge of private road to Powis Castle, Welshpool, SJ223076, P.M. Benoit, 2001" were *Epilobium parviflorum*, not *E. lanceolatum* as stated in the *BSBI Welsh Bulletin* No. 72, p.32 (2003).]
- +135/28.14. *Hieracium subcrocatum* (Dark-styled Hawkweed). Many plants midstream on riverside rocks with a few on bank on S side of Afon Rhaeadr just above Pistyll Rhaeadr falls, SJ072.295, A.K. Thorne, 2006, **NMW**, det. D.J. McCosh. 1st recent record.

- *135/28.72. **Hieracium daedalolepioides** (Petite-leaved Hawkweed). One flowering stem and a few small plants on large riverside rock, on S side of Afon Rhaeadr upstream of falls, SJ071.296, A.K. Thorne, 2006, NMW, det. D.J. McCosh. 1st recent Welsh record.
- *135/28.arg. **Hieracium argillaceum** (Southern Hawkweed). Inland cliffs, on S side of Afon Rhaeadr valley, SJ073.294, A.K. Thorne, 2006, NMW, det. D.J. McCosh. 1st record.
- +‡135/74.1. **Ambrosia artemisiifolia** (Ragweed) (Bratlys). ©Garden edge near birdtable, Foel, SH992.106, M. Wainwright, 2006, conf. A.O. Chater. 2nd record. *Setaria pumila* nearby.
- ‡138/2.1. **Stratiotes aloides** (Water-soldier) (Milwr y Dŵr). ‡Spreading S along Montgomery Canal, and occasional from Llanymynech village to Carreghofa Locks, SJ25.20-26.20, A. Dawes, 2006. 3rd record.
- 152/16.20. **Carex elongata** (Elongated Sedge) (Hesgen Hir). About 250 tussocks in swampy willow and alder carr, NW end of Lake Vyrnwy, SH966.240, C.J. Cadbury, 2006. 2nd record.
- 152/16.25. **Carex acuta** (Slender Tufted-sedge) (Hesgen Tywysennau Main). Two dense stands 10×10 & 10×15m on lake shore in *Spahgnum*, *Hydrocotyle*, etc., later colonised by *Bidens tripartita*, Lake Vyrnwy, SH965.239, K. Thorne & M. Wainwright, 2006, det. A.O. Chater. 3rd, but probably only extant record. Previous records not seen since 1970s.
- 152/16.60. **Carex magellanica** (Tall Bog-sedge) (Hesgen Eurwerdd Iefn). 274 inflorescences counted in mire with *Eriophorum vaginatum*, Llyn y Pennau, SJ002.245, C.J. Cadbury & M. Griffith, 2006. Recorded from this locality once in the 1980s and once in the 1990s.
- *‡153/70.pum. **Setaria pumila** (Yellow Bristle-grass) (Cibogwellt Melyn). ©One handsome little clump at garden edge near birdtable, Foel, SH992.106, M. Wainwright, 2006, det. J. Mason. 1st record. *Ambrosia artemisiifolia* nearby.

MERIONETH, v.c. 48 (comm. P.M. Benoit)

- 6/1.1. **Osmunda regalis** (Royal Fern) (Rhedynen Gyfrdwy). One young plant, Coed Garthgell, Taicynhaeaf, SH6.1, S.E. Stille, 2002.
- +11/1.1×2. **Polypodium ×mantoniae** (**P. interjectum** × **P. vulgare**) (a hybrid polypody). +Roadside wall near Maentwrog power station, SH6.3; +mortared wall at Llanymawddwy, SH8.1, P.M. Benoit, 2006. Resembling *P. interjectum* in its habitat and robust coriaceous fronds with large sori, but with imperfect spores, annuli intermediate between *interjectum* and *vulgare*, and small stomata (guard cells 50-53µm long).
- 15/2.4. **Asplenium marinum** (Sea Spleenwort) (Duegredynen Arfor). Still flourishing at Llangelyn, SH5.0, J.G. Clayfield, 2005. Updated from 1986.
- +15/2.5a. **Asplenium trichomanes** subsp. **trichomanes** (Maidenhair Spleenwort) (Duegredynen Gwallt y Forwyn). About 3 clumps on a calcareous wall near Llandrillo, SJ0.3, P.M. Benoit, 2006. An unusual habitat for the subspecies which is here about at the eastern limit of its range in Wales. But attracted attention by its characteristic dense mass of pale-brown dead petioles and the shape and delicate texture of the pinnae, and proved to have small spores (29.6-) c.33.3 (-38.0) µm.
- +15/2.8. **Asplenium septentrionale** (Forked Spleenwort) (Duegredynen Fforchog). Cwm Cywarch, SH8.1, A.N. Graham, 2006. 1st recent hectad record (updated from 1959).
- +‡19/1.1. **Azolla filiculoides** (Water Fern) (Rhedynen y Dŵr). In quantity in an ornamental pool in the public park at, Bron-y-graig, Harlech, SH5.3, P.M. Benoit & J.M. Maynard, 2000, and again in 2006 by PMB, A.O. Chater & P. Condry. An intentional introduction or accidentally introduced with other plantings. With *Rorippa nasturtium-aquaticum*, *Glyceria fluitans*, *Lemna minor* and *Ranunculus hederaceus*. A 2nd locality in v.c. 48. Previously recorded only at Pennal, near Machynlleth, by K.M. Stevens in 1978, in one of three possible hectads, which one doubtful.
- +31/5.1b. **Fumaria capreolata** subsp. **babingtonii** (White Ramping-fumitory) (Mwg-y-ddaeir Gwyn). ‡One or two fine plants at car-park of the Royal St David's Golf Club, Harlech, SH5.3, P.M. Benoit & J.M. Maynard, 2000 & 2006. 1st recent record.

- *‡62/14.4. **Cardamine raphanifolia** (Greater Cuckooflower) (Blodyn Llefrith Mawr). Damp woodland near Pont y Wern Ddu, Dolgellau, SH7.1, Gerallt Jones, 2006, conf. P.M. Benoit. 1st record.
- *69/1.1×3. **Primula ×polyantha** (**P. vulgaris** × **P. veris**) (False Oxlip) (Briallen Groesryw). Talsarnau, SH6.3, O.H. Black & H. Handley, 1970; also seen by O.H. Black in 1973. 1st records.
- 69/6.3. **Anagallis minima** (Chaffweed) (Gwlyddyn-Mair Bach). Still on rocks of the Mawddach estuary near Arthog, SH6.1, P.M. Benoit, 2006. With its usual companion *Radiola linoides*, in the exact spot where discovered in 1952. A notable continuity for two tiny annuals.
- +‡73/3.1. **Sempervivum tectorum** (House-leek) (Llyisiau Pen Tai). Mortared wall at Llanymawddwy, SH9.1, P.M. Benoit, 2006. 1st recent record.
- [74/5.15. **Saxifraga granulata** (Meadow Saxifrage) (Tormaen y Gweunydd). Correction. The record from the Centre for Alternative Technology near Corris, SH7.0, in the *Welsh Bulletin* No.76, p.42 (2005) belongs to MONTGOMERY v.c. 47, not Merioneth v.c. 48 as stated.]
- *‡79/2.2. **Myriophyllum aquaticum** (Parrot's-feather) (Pluen Parot). Ditch near Penowern, Brynecrug, SH6.0, R.H. Gritten, 2006. 1st record.
- +‡118/4.1c. **Lamiastrum galeobdolon** subsp. **argentatum** (Variegated Yellow Archangel) (Marddanhadlen Felen Arianddail). +Coed Bronygraig, Harlech, SH5.3; +wooded bank of the River Dyfi near Mallwyd bridge, SH8.1, both P.M. Benoit, 2006.
- +121/1.2. **Plantago media** (Hoary Plantain) (Llyriad Llwyd). ‡A large patch on the disused railway track, now a long distance footpath, between Arthog and Penmaenpool, SH6.1, P.M. Benoit, 2006. 1st recent record. (See separate note p. 9).
- +‡124/16.24b. **Veronica hederifolia** subsp. **lucorum** (Ivy-leaved Speedwell) (Rhwyddlwyn Dail Eiddew). Roadsides at Aberangell, SH8.0 & 8.1; +roadside at Llanymawddwy, SH9.1; both P.M. Benoit, 2006.
- +‡135/27.6. **Pilosella aurantiaca** (Fox-and-cubs) (Clust-y-llygoden Euraid). Laneside bank at Llanymawddwy, SH9.1, P.M. Benoit, 2006.
- +135/62.1×10. **Senecio ×albescens** (**S. cineraria** × **S. jacobaea**) (a hybrid ragwort). ‡Several plants in grassy places by footpath, Penygraig, Barmouth, SH6.1, P.M. Benoit, 2006. The result of hybridisation between the native *S. jacobaea* and cultivated *S. cineraria* in adjacent flower beds.
- +‡135/71.3. **Petasites albus** (White Butterbur) (Alan Bach). +Laneside near Llandderfel, SH9.3, reported by J.H. & G. Armfield in the 1960s and P.M. Benoit, 2005-06. Still there in vast quantity, the dominant species along c.60m of the laneside, the male plant; +laneside bank at Bodlondeb, Dolgellau, SH7.1, Betty Jones (Ysgol y Gader), 1961; still there but threatened by the building of bungalows and improvement of the lane, 2006; along c.9m of the laneside with 20 inflorescences counted in 2006; also the male plant, P.M. Benoit. The patch of the female plant reported from Llanymawddwy, SH9.1, in the *Welsh Bulletin* 77: 47 (2005) bore c.329 inflorescences in 2006 (counted by Arthur Chater) and extended along c.20m of the roadside. These three are the only known sites for the species in v.c. 48.
- +‡135/73.1. **Calendula officinalis** (Pot Marigold) (Melyn Mair). ©Two plants c.20m apart at foot of soil mound in small field beside the Tallylyn railway, Hen-dy near Tywyn, SH5.0, S.P. Chambers, 2006. 1st recent record.
- *‡135/73.2. **Calendula arvensis** (Field Marigold) (Melyn-Mair yr Ŷd). Numerous plants (possibly from bird seed) at supermarket car-park and base of hotel wall, Park Road, Barmouth, SH6.1, P.M. Benoit, 2006. 1st record. Flowered continuously through the mild winter of 2006-7.
- +‡147/5.2b. **Arum italicum** subsp. **italicum** (Italian Lords-and-ladies) (Pidyn-y-gog Eidalaid). Coed Bronygraig, Harlech, SH5.3. P.M. Benoit, 2006.
- +153/39.1×4. **Agrostis ×murbeckii** (**A. capillaris** × **A. stolonifera**) (a hybrid bent). Roadside near Bron Meirion, Arthog, SH6.1, P.M. Benoit, 2006. 1st recent record. With both parents, no other *Agrostis* present. Characters intermediate and was at just the right stage for the yellow indehiscent anthers to be obvious.
- +‡153/39.2. **Agrostis gigantea** (Black Bent) (Maeswellt Mawr). ‡Weed in flower beds at the Dragon Theatre, Barmouth, SH6.1, P.M. Benoit, 1998 and again in 2006.

CAERNARFON, v.c. 49 (comm. W. McCarthy)

- *+4/1.5×8. *Equisetum ×rothmaleri* (*E. arvense* × *E. palustre*) (a hybrid horsetail). Edge of cycle track, Pant Glas, SH46.47, S. Thomas, 2006, conf. C.N. Page. 1st record.
- +5/1.1. *Ophioglossum vulgatum* (Adder's-tongue) (Tafod y Neidr). 100s of plants on cliff-top grassland and land slip below, Mynydd Rhiw, SH23.26, J. Bratton, 2006.
- +15/2.3. *Asplenium obovatum* subsp. *lanceolatum* (Lanceolate Spleenwort) (Duegredynen Hirgul). In stonework of field wall near Eithinog Uchaf, Penygroes, SH45.53, W. McCarthy, 2006.
- +17/1.2. *Polystichum aculeatum* (Hard-shield Fern) (Gwrychredynen Galed). By spring at Pen y Mynydd Isa, Great Orme, SH77.83, W. McCarthy, 2006.
- +17/3.8. *Dryopteris carthusiana* (Narrow Buckler-fern) (Marchredynen Gul). Wet heath near Bryn farm, Nefyn, SH35.40; +marshy field near Llyn Chwythlyn, Maenan, SH83.64; both W. McCarthy, 2006.
- +17/3.8×9. *Dryopteris ×deweveri* (*D. carthusiana* × *D. dilatata*) (a hybrid buckler-fern). Wet heathy field, Mynydd Cennin, Bryncir, SH44.44, W. McCarthy, 2006, conf. S. Thomas. 1st recent record.
- +28/13.11. *Ranunculus scleratus* (Celery-leaved Buttercup) (Crafanc yr Eryr). Muddy edge of pool by Parc Menai, Bangor, SH54.69, W. McCarthy, 2006.
- +47/1.15. *Persicaria mitis* (Tasteless Water-pepper) (Y Dinboeth Ddi-flas). Shore, of Coedyt reservoir, Dolgarrog, SH75.66, W. McCarthy, 2006, conf. A.O. Chater.
- +47/1.16. *Persicaria minor* (Small Water-pepper) (Y Dinboeth Fach). Shore of Llyn Cwmystradllyn, SH56.44, Caerns. rec. group, 2006.
- *51/1.10×11. *Hypericum humifusum* × *H. linariifolium* (a hybrid St John's-wort). Grassy slope above the sea, Mynydd Cilan, SH2.2. I. Edgar, 2006. 1st record.
- +57/1.12a. *Viola tricolor* subsp. *tricolor* (Wild Pansy) (Trilliw). ‡Introduced with dumped soil at track edge, Nefyn, SH35.40, W. McCarthy & M. Stead, 2006.
- +61/2.11×12. *Salix ×multinervis* (*S. cinerea* × *S. aurita*) (a hybrid willow). Field edge, Chwilog, SH43.39; +bank of Afon Llyfni, Talysarn, SH48.52; both Caerns. rec. group, 2006, det. S. Thomas.
- +62/34.5. *Brassica nigra* (Black Mustard) (Mwstard Du). ‡Disturbed ground near Bryn farm, Nefyn, SH35.40, W. McCarthy & M. Stead, 2006.
- +67/1.1. *Monotropa hypopitys* (Yellow Bird's-nest) (Cytwf). Over 200 plants under Hazel and Birch on old mine site, Trefriw, SH78.62, W. McCarthy, 2006.
- +‡69/3.1. *Cyclamen hederifolium* (Sowbread) (Bara'r Hwch). Roadside bank away from houses, Bryn Pydew, SH81.79, W. McCarthy, 2006.
- *‡73/5.4. *Sedum spectabile* (Butterfly Stonecrop) (Briweg Iâr Fach yr Haf). In hedge bank, Chwilog, SH43.38, Caerns. rec. group, 2006. 1st record.
- *‡75/8.8. *Rubus phoenicolasius* (Japanese Wineberry) (Llwyn Mwyar Gwin). Probably bird-sown from kitchen garden of nearby hotel known for growing their own produce, on path-side, Marl Wood, Llandudno Junction, SH80.79, I. & L. Fraser, 2006. 1st record.
- +75/9.13×14. *Potentilla ×suberecta* (*P. erecta* × *P. anglica*) (a hybrid cinquefoil). Roadside near Talysarn, SH48.52, Caerns. rec. group, 2006.
- +75/9.14×15. *Potentilla ×mixta* (*P. erecta* × *P. reptans* & *P. anglica* × *P. reptans*) (Hybrid Cinquefoil). Roadside near Talysarn, SH48.52, Caerns. rec. group, 2006.
- +77/19.2. *Trifolium striatum* (Knotted Clover) (Meillionen Rychog). Grassy sea cliff, Porth Dinlaen, SH26.40, W. McCarthy & M. Stead, 2006.
- *‡79/2.2. *Myriophyllum aquaticum* (Parrot's-feather) (Pluen Parot). +Edge of Afon Llyfni, near Talysarn, SH48.52, Caerns. rec. group; +pond at Methlem farm, SH17.30, independently noted by R. Dawes & T. Pearson and W. McCarthy & M. Stead; both 2006. 1st & 2nd records.
- +84/1.6×8. *Epilobium ×vicinum* (*E. obscurum* × *E. ciliatum*) (a hybrid willowherb). Two plants near Hafna mine, Llanrwst, SH78.60, W. McCarthy & M. Stead, 2006, conf. A.O. Chater. 1st recent hectad record.
- +‡109/1.1. *Vinca minor* (Lesser Periwinkle) (Perfagl Fach). Lane bank near the sea, Abergwyngregyn, SH65.73, W. McCarthy, 2006.

- +†116/6.4. *Anchusa arvensis* (Bugloss) (Llyisiau'r-gwrid y Tir âr). Two plants on disturbed ground, Vaynol park, Bangor, SH54.69, W. McCarthy & M. Stead, 2006.
- +†118/5.1. *Lamium album* (White Dead-nettle) (Marddanhadlen Wen). Landscaped area near old mine buildings, Hafna, Llanrwst, SH78.60, W. McCarthy, 2006.
- +†118/5.4. *Lamium hybridum* (Cut-leaved Dead-nettle) (Marddanhadlen Dorddail). Disturbed ground near Bryn farm, Nefyn, SH35.40, W. McCarthy & M. Stead, 2006.
- +118/10.4. *Scutellaria minor* (Lesser Skullcap) (Cycyllog Bach). Wet field near Llyn Chwythlyn, Maenan, SH83.64, W. McCarthy, 2006.
- +†124/8.2. *Chaenorhinum minus* (Small Toadflax) (Trwyn-y-llo Bach). Slate waste tip, Talysarn, SH48.51, J. Harold; +along railway line, Roman Bridge, SH71.51, W. McCarthy; both 2006.
- +124/16.9. *Veronica scutellata* (Marsh Speedwell) (Rhwyddlwyn Culddail y Gors). Shore, of Llyn Chwythlyn, Maenan, SH83.64, W. McCarthy, 2006.
- +124/20.5b. *Euphrasia arctica* subsp. *borealis* (an eyebright). Herb-rich meadows, Capel Uchaf, SH43.48, T.D. Dines, 2006, det. A.J. Silverside.
- +128/2.6. *Utricularia minor* (Lesser Bladderwort) (Chwysigenddail Bach). Abundant in acidic upland pool, Cwm Oeddwr, near Beddgelert, SH57.44, J. Harold, 2006.
- +©129/7.2. *Lobelia erinus* (Garden Lobelia) (Bidgyls yr Ardd). Self-sown at track edge, Nefyn, SH35.40, W. McCarthy & M. Stead, 2006.
- +130/6.3. *Galium uliginosum* (Fen Bedstraw) (Briwydd y Ffig). Marshy field near Llyn Chwythlyn, Maenan, SH83.64, W. McCarthy, 2006.
- +133/2.3. *Valeriana dioica* (Marsh Valerian) (Triaglog y Gors). Edge of mire near Bryn Eithin, Penmachno, SH81.52, W. McCarthy, 2006.
- *135/6.9×10. *Cirsium* ×*celakovskianum* (*C. palustre* × *C. arvense*) (a hybrid thistle). Near Coedyt resevoir, Dolgarrog, SH75.66, W. McCarthy, 2006. 1st record.
- +137/4.1. *Alisma plantago-aquatica* (Water-plantain) (Llyriad y Dŵr). Edge of Llyn Chwythlyn, Maenan, SH83.64, W. McCarthy, 2006.
- +†138/4.2. *Elodea nuttallii* (Nuttall's Waterweed) (Ffugalaw Nuttall). Shallow edges of Llyn Crafnant, Trefriw, SH74.60, W. McCarthy, 2006.
- +151/1.11. *Juncus subnodulosus* (Blunt-flowered Rush) (Brwynen Flaendon). Grassland near Parc Menai, Bangor, SH54.69, L.T. Colley, 2006.
- +152/3.4. *Eleocharis multicaulis* (Many-stalked Spike-rush) (Ysbigfrwynen Gadeiriog). Wet heath near Bryn farm, Nefyn, SH35.40, W. McCarthy, 2006.
- +152/16/15. *Carex remota* (Remote Sedge) (Hesgen Blodau Anghyfagos). Shaded stream bank, Porth Dinllaen, SH27.40, W. McCarthy & M. Stead, 2006.
- +152/16.29. *Carex vesicaria* (Bladder-sedge) (Hesgen Chwysigennaidd). Field corner near Afon Llyfni, Talysarn, SH48.52, S. Thomas, 2006.
- +152/16.44×46. *Carex* ×*fulva* (*C. hostiana* × *C. viridula*) (a hybrid sedge). +Marshy field near Chwilog, SH43.39, Caerns. rec group; +marshy field near Llyn Chwythlyn, SH83.64, W. McCarthy; both 2006.
- +152/16.51. *Carex caryophyllea* (Spring-sedge) (Hesgen Gynnar). Grassy cliff-top, Porth Dinllaen, SH26.40, W. McCarthy & M. Stead, 2006.
- +152/16.65. *Carex acuta* (Slender Tufted-sedge) (Hesgen Tywysennau Main). Bank of Afon Geirch, Porth Dinllaen, SH26.40, W. McCarthy, 2006, det. A.O. Chater
- +†153/14.3. *Vulpia myuros* (Rat's-tail Fescue) (Peisgwellt y Fagwyr). About yard and path edges, Henfaes crop research station, Abergwyngregyn, SH65.73, W. McCarthy, 2006.
- +153/18.9. *Poa compressa* (Flattened Meadow-grass) (Gweunwelt Cywasgedig). Wall top, Hafna mine, Llanrwst, SH78.60, W. McCarthy, 2006.
- +153/26.1. *Helictotrichon pubescens* (Downy Oat-grass) (Ceirchwellt Blewog). Species rich grassland, Pistyll churchyard, SH32.42, W. McCarthy, 2006.
- +154/1.1. *Sparganium erectum* (Branched Bur-reed) (Cleddlys Canghennog). Shore of Llyn Chwythlyn, Maenan, SH83.64, W. McCarthy, 2006.
- +162/18.2. *Dactylorhiza maculata* (Heath Spotted-orchid) (Tegeirian Brych y Rhos). Grassy heath near Afon Geirch, Porth Dinllaen, SH26.40, W. McCarthy & M. Stead, 2006.

+162/18.3a. **Dactylorhiza incarnata** subsp. **incarnata** (Early Marsh-orchid) (Tegeirian-y-gors Cynnar). Marshy grassland near the sea, Porth Dinllaen, SH26.40, W. McCarthy & M. Stead, 2006.

DENBIGH, v.c. 50 (comm. Mrs J.A. Green)

- +4/1.4×5. **Equisetum ×litorale** (**E. fluviatile** × **E. arvense**) (Shore Horsetail) (Marchrawnen y Glennydd). +Streamside, Llyn Brenig, SH983.559, J.A. Green, conf. P. Acock; +wet wood, Llanrhaeadr near Denbigh, SJ084.641, BSBI group; both 2006.
- +4/1.9. **Equisetum telmateia** (Great Horsetail) (Marchrawnen Fawr). +Roadside ditch, Abergele, SH955.768; +wet wood, Llandyrnog, SJ096.656; both J.A. Green, 2006.
- +7/1.1. **Cryptogramma crispa** (Parsley Fern) (Rhedynen Bersli). Mountain summit scree, Cadair Berwyn, SJ071.324, M. Rand, 2006. 1st recent hectad record.
- +16/4.1. **Gymnocarpium dryopteris** (Oak Fern) (Rhedynen Dridarn). Wet stoney ditch, Pandy, SJ196.352, J.A. Green, 2006.
- +‡20/2.1. **Pseudotsuga menziesii** (Douglas Fir) (Ffynidwydden Douglas). ©Garden gravel, Denbigh, SJ072.658, J.A. Green & S. Stille, 2005. 2nd record.
- +‡20/7.1. **Pinus nigra** (Black Pine). ©Churchyard, Llandyrnog, SJ108.651, J.A. Green, 2005. 2nd record.
- +‡21/1.1. **Cupressus macrocarpa** (Monterey Cypress) (Cypreswydden Monterey). ©Roadside, garden, Denbigh, SJ072.658, J.A. Green & S. Stille, 2005. 2nd record.
- +‡21/2.1. **Chamaecyparis lawsoniana** (Lawson's Cypress) (Cypreswydden Lawson). +Deciduous wood, underplanted, Bontuchel, SJ085.573, S. Stille & J.A. Green, 2005. Very under-recorded and 1st record of other than a planted tree; +©planted in wood, Llandyrnog, SJ096.656, J.A. Green, 2006.
- *‡22/1.1. **Araucaria araucana** (Monkey-puzzle) (Cas Gan Fwnci). ©Near houses, Bontuchel, SJ090.579, J.A. Green, 2005. 2nd record.
- +23/1.1. **Taxus baccata** (Yew) (Ywen). Forestry Commission wood, Bontuchel, SJ085.573, J.A. Green, 2005.
- +28/13.12. **Ranunculus lingua** (Greater Spearwort) (Llafnlys Mawr). Shallow field pond, Llandegla, SJ249.526, J.A. Green, 2006.
- +28/13.26. **Ranunculus fluitans** (River Water-crowfoot) (Crafanc-y-frân yr Afon). River Alun, Llanferres, SJ189.598, J.A. Green, 2006.
- +30/2.1. **Meconopsis cambrica** (Welsh Poppy) (Pabi Cymreig). Roadside, Abergele, SH955.765; +riverside, Pandy, SJ196.351; both J.A. Green, 2006.
- +40/3.1. **Carpinus betulus** (Hornbeam) (Oestrwydden). ‡Shady wood on limestone, Rhyd y Foel, SH906.770, T.C.G. Rich, 2006.
- +‡43/1.4. **Chenopodium bonus-henricus** (Good-King-Henry) (Llysiâu'r Gwrda). Farm gateway, Llansilin, SJ223.297, J.A. Green, 2006.
- +46/10.8. **Sagina maritima** (Sea Pearlwort) (Corwlyddyn Arfor). Shingle, Llandulas, SH907.786, G. Kay, 2006.
- +‡61/2.3. **Salix alba** (White Willow) (Helygen Wen). Field hedge, Llandegla, SJ249.526, J.A. Green, 2006.
- *‡62/14.cor. **Cardamine corymbosa** (New Zealand Bitter-cress) (Berwr Chwerw Seland Newydd). Garden gravel, Conwy, SH8.7, I. Bonner, 2004. 1st record. 6-fig. grid reference withheld.
- +62/17.1. **Lunaria annua** (Honesty) (Swllt Dyn Tlawd). Roadside, Llysaen, SH888.773, J.A. Green, 2006.
- +‡62/31.1. **Coronopus squamatus** (Lesser Swine-cress) (Olbrain Bach). Farm gateway, Llansilin, SJ218.293, J.A. Green, 2006.
- *65/13.6×4. **Vaccinium ×intermedium** (**V. myrtillus** × **V. vitis-idaea**) (a hybrid bilberry). Heather moorland, Esclusham Mountain, Wrexham, SJ236.497, P.L. Thomas, 2006, conf. J. Hawksford, 1st record.

- +‡69/4.5. **Lysimachia punctata** (Dotted Loosestrife) (Trewyn Brych). Field by road, Llanrhaeadr ym Mochnant, SJ119.266, J.A. Green, 2006.
- +73/5.5. **Sedum telephium** (Orpine) (Canewin). Laneside bank, Llansilin, SJ224.295, J.A. Green, 2006. 1st recent hectad record.
- +‡73/5.10. **Sedum rupestre** (Reflexed stonecrop) (Briweg Felen). Wall outside garden, Pandy, SJ198.352, J.A. Green, 2006.
- +‡74/5.8×9. **Saxifraga ×urbium** (**S. umbrosa** × **S. spathularis**) (Londonpride) (Balchder Llundain). Lane hedge, Nebo, SH825.572, J.A. Green, 2006.
- *‡75/2.1. **Physocarpus opulifolius** (Ninebark) (Erwain Naw Rhisgl). Wet farm woodland, Wrexham, SJ349.532, R. Hesketh, 2005. 1st Welsh record.
- +75/8.21. **Rubus caesius** (Dewberry) (Llwyn Mwyar Mair). Coal tip waste, Bersham, SJ310.471, A.K. Thorne, 2005.
- +75/21.11. **Rosa rubiginosa** (Sweet-briar) (Drysiën Bêr). Hedge, Llanarmon yn Ial, SJ178.558, G. Kay, 2006.
- +75/21.12×14. **Rosa ×dumetorum** (**R. canina** × **R. obtusifolia**) (a hybrid rose). Hedge, Llanrhaeadr near Denbigh, SJ083.641, G. Kay, 2006.
- +‡75/22.7. **Prunus cerasus** (Dwarf Cherry) (Coeden Geirios Coch). Roadside hedge, Llysaen, SH888.772, J.A. Green, 2006.
- *‡75/32.15. **Cotoneaster lacteus** (Late Cotoneaster) (Cotoneaster Diweddar). Bryn Eury, SH929.799, W. McCarthy, 1997. 1st record.
- *‡75/32.26. **Cotoneaster divaricatus** (Spreading Cotoneaster) (Cotoneaster Ymledol). Bryn Eury, SH8.8, W. McCarthy, 2003. 1st record.
- +‡75/32.33. **Cotoneaster simonsii** (Himalayan Cotoneaster) (Cotoneaster Simons). Wood on limestone, Rhyd y Foel, SH906.770, T.C.G. Rich, 2006.
- *©75/32.war. **Cotoneaster wardii** (Ward's Cotoneaster) (Cotoneaster Ward). Planted in park, New Brighton, SJ273.511, BSBI group, 2001, NMW, det. J. Fryer. 1st Welsh record.
- +77/18.5. **Medicago arabica** (Spotted Medick) (Maglys Brith). ‡Road verge, Bodelwyddan, SJ005.761, R. Whitehead, 2006.
- +81/1.1. **Lythrum salicaria** (Purple-loosestrife) (Llyisiau'r-milwr Coch). Edge of pond, Worlds End, Llangollen, SJ229.480, J. Lawton Roberts, 2006.
- +84/1.4. **Epilobium lanceolatum** (Spear-leaved Willowherb) (Helyglys Gwaywddail). Coal tip waste, Bersham, SJ312.481, A.K. Thorne, 2005, NMW, conf. T.D. Pennington. 2nd & 1st recent record.
- +‡105/1.4. **Impatiens glandulifera** (Indian Balsam) (Jac y Neidiwr). Wet wood, Llandyrnog, SJ096.656, J.A. Green, 2006.
- +107/30.1. **Sison amomum** (Stone Parsley) (Perllys y Cerrig). Roadside bank, Denbigh, SJ057.664, J.A. Green, 2006.
- +111/2.1. **Convolvulus arvensis** (Field Bindweed) (Cwlwm y Cythraul). Rape field, Garth, Wrexham, SJ248.419, J. Lawton Roberts, 2006. 1st recent hectad record.
- +‡118/5.2. **Lamium maculatum** (Spotted Dead-nettle) (Marddanhadlen Fraith). Llysaen, SH888.773, J.A. Green, 2006.
- +118/10.2. **Scutellaria galericulata** (Skullcap) (Cycyllog). Pond edge, Hem house, SJ395.545, J. Lawton Roberts, 2006.
- +‡124/15.1. **Erinus alpinus** (Fairy Foxglove) (Clychau'r Tylwyth Teg). +Outside garden wall, Llanrhaeadr ym Mochnant, SJ115.268, J.A. Green; +sand quarry, Marford, SJ358.563, J. Smith, both 2006.
- +128/1.3. **Pinguicula vulgaris** (Common Butterwort) (Tafod y Gors). Grassy slope, Llanferres, SJ196.593, R. Whitehead, 2006.
- +129/1.11. **Campanula latifolia** (Giant Bellflower) (Clychlys Mawr). Lane hedge, Llanarmon yn Ial, SJ184.559, G. Kay, 2006.
- +129/3.1. **Wahlenbergia hederacea** (Ivy-leaved Bellflower) (Clychlys Dail Eiddew). Upland streambank, Moel y Parc, SJ117.697, J.A. Green, 2006. 1st recent hectad record.
- +‡135/22.1. **Lactuca serriola** (Prickly Lettuce) (Letusen Bigog). Industrial estate, Denbigh, SJ055.655, J.A. Green, 2006.

- *135/28.179. **Hieracium britannicum** (British Hawkweed). +Limestone cliffs, Bryn Euryn, SH832.797; +limestone cliffs, Llandulas, SH89.77; both W. McCarthy, 2004, NMW, det. D.J. McCosh. 1st & 2nd Welsh records.
- *135/28.arg. **Hieracium argillaceum** (Southern Hawkweed). Coal tip waste, Bersham, SJ310.464, A.K. Thorne, 2005, NMW, det. D.J. McCosh. 1st record.
- *135/28.con. **Hieracium consociatum** (Sociable Hawkweed). Coal tip waste, Bersham, SJ314.464, A.K. Thorne, 2005, NMW, det. D.J. McCosh. 1st v.c. & 2nd Welsh record.
- +‡135/40.3. **Solidago canadensis** (Canadian Goldenrod) (Eurwialen Canada). Rough field, Llangollen, SJ208.436, J.L. Roberts, 2006.
- +†135/59.1. **Matricaria recutita** (Scented Mayweed) (Amranwen Bêr). Arable weed, Ruabon Mountain, SJ297.433, J. Lawton Roberts, 2006.
- +135/62.12. **Senecio erucifolius** (Hoary Ragwort) (Creulys Lwyd). Roadside in industrial estate, Wrexham, SJ373.499, P. Day, 1999.
- +142/1.7. **Potamogeton alpinus** (Red Pondweed) (Dyfrllys Coch). Canal, Llangollen, SJ204.436, J. Lawton Roberts, 2006, det. C.D. Preston. 1st recent hectad record.
- +148/1.1. **Spirodela polyrhiza** (Greater Duckweed) (Llinad Mawr). Ditch, Old Pulford Brook near Poulton, SJ398.572, M. Stead, 2006.
- +148/2.1. **Lemna gibba** (Fat Duckweed) (Llinad Crythog). Ditch near Poulton, SJ398.572, M. Stead, 2006.
- +151/1.4. **Juncus gerardii** (Saltmarsh Rush) (Brwynen Gerard). Shingle, Llandulas, SH907.786, J.A. Green, 2006.
- +152/16.7. **Carex spicata** (Spiked Sedge) (Hesgen Ysbigog Borffor). Dry roadside bank, Llanrhaeadr ym Mochnant, SJ135.250, J.A. Green, 2006.
- +152/16.39. **Carex laevigata** (Smooth-stalked Sedge) (Hesgen Lefn). Wet lane bank, Llanrhaeadr ym Mochnant, SJ115.268, J.A. Green, 2006.
- +153/13.2. **Vulpia bromoides** (Squirreltail Fescue) (Peisgwellett Cynffon Gwiwer). River shingle, Llanrhaeadr ym Mochnant, SJ144.243, J.A. Green, 2006.
- +153/24.4. **Glyceria notata** (Plicate Sweet-grass) (Melyswellett Plygedig). Wet lane, Llanrhaeadr near Denbigh, SJ084.641, BSBI group, 2006.
- +†153/47.6. **Alopecurus myosuroides** (Black-grass) (Cynffonwellt Du). Edge of barley field, Llanrhaeadr near Denbigh, SJ081.639, W. McCarthy, 2006.
- +153/63.1. **Molinia caerulea** (Purple Moor-grass) (Glaswellt y Gweunydd). Moorland field, Ruabon Mountain, SJ265.480, J. Lawton Roberts, 2006.
- +154/1.2. **Sparanium emersum** (Unbranched Bur-reed) (Cleddlys Di-gainc). Canal, Llangollen, SJ201.436, J. Lawton Roberts, 2006, det. J.A. Green. 1st recent hectad record.
- +‡158/20.3. **Hyacinthoides hispanica** (Spanish Bluebell) (Clychau'r-gog Sbaenaid). Llysfaen, SH888.773; +wild garden, Llandyrnog, SJ096.656; both J.A. Green, 2006.
- +162/5.1. **Neottia nidus-avis** (Bird's-nest Orchid) (Tegeirian Nyth Aderyn). Shady hazel wood, Rhyd y Foel, SH906.770, T.C.G. Rich, 2006.

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- †‡30/1.3. **Papaver somniferum** (Opium Poppy) (Llyisiau Cwsg). ‡Disturbed ground on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J.A. Green, 2004. 2nd recent hectad record.
- +‡40/2.2. **Alnus incana** (Grey Alder) (Gwernen Lwyd). ©Planted on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips, 2006.
- ‡46/7.3. **Cerastium tomentosum** (Snow-in-summer) (Clust-y-llygoden y Felin). Grassland/path on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips, 2006. 2nd hectad record.
- +46/10.7b. **Sagina apetala** subsp. **erecta** (Annual Pearlwort) (Corwlyddydd Unflwydd). Waste ground on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips, 2006.

- *‡49/1. off. **Paonia officinalis** (Garden Peony) (Rhosyn-y-mynydd y Gerddi). Well established from planted material on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips, 2006. 1st record.
- 60/1.1. **Bryonia dioica** (White Bryony) (Bloneg y Ddear). Scrub on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips, 2006. 2nd hectad record.
- †‡62/28.1. **Thlaspi arvense** (Field Penny-cress) (Codywasg y Maes). Small patch of waste land off the track from the Cymau-Ffrith road running down through woods to the river near Ffrith, SJ288.552, A. Showler, 1991.
- +65/13.4. **Vaccinium vitis-idaea** (Cowberry) (Llusen Goch). Moorland with *V. myrtillus* and *Calluna*, 70 paces E of summit tower, Moel Famau, SJ162.627, R. Jones & G. Wynne, 2006.
- †‡73/5.14. **Sedum album** (White Stonecrop) (Briweg Wen). Edge of grassland / old concrete on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J.A. Green, 2004. 2nd hectad record.
- +‡75/8.2. **Rubus tricolor** (Chinese Bramble) (Llwyn Mwyar Trilliw). Growing up old stone wall by rough ground and frequent for 30 yds, Tyddyn Street, Mold, SJ242.638, G. Wynne, 2006. 2nd v.c. and 1st hectad record.
- +75/8.321. **Rubus caesius** (Dewberry) (Llwyn Mwyar Mair). Scrub on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips, 2006. 1st recent hectad record.
- *‡75/17.3b. **Sanguisorba minor** subsp. **muricata** (Fodder Burnet) (Bwrned Ebran). Disturbed ground (probably from wild-flower seed mixture) on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J.A. Green, 2004. 1st record for subspecies.
- †‡75/28.7. **Sorbus intermedia** (Swedish Whitebeam) (Cerdদিন Sweden). Grassland on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips, 2006. 2nd hectad record.
- +‡75/32.21. **Cotoneaster horizontalis** (Wall Cotoneaster) (Cotoneaster Asgwrn). Grassland on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips, 2006.
- +‡77/6.1. **Onobrychis viciifolia** (Sainfoin) (Y Godog). Waste ground on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J.A. Green, 2004. 1st hectad and 2nd v.c. record.
- 77/14.8. **Vicia tetrasperma** (Smooth Tare) (Ffacbysen Lefn). Grassland on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips, 2006. 2nd hectad record.
- +‡77/21.2. **Lupinus polyphyllus** (Garden Lupin) (Bysedd-y-blaidd y Gerddi). ©Grassland on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips, 2006. 2nd record.
- +©77/PIS.sat. **Pisum sativum** (Garden Pea) (Pysen yr Ardd). With other aliens at lake margin near path, Llyn Helyg, SJ116.775, G. Wynne, 2006. 2nd record.
- ‡84/1.8. **Epilobium ciliatum** (American Willowherb) (Helyglys America). Waste ground / scrub on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips, 2006. 2nd hectad record.
- †91/2.11. **Euphorbia lathyris** (Caper Spurge) (Llaethlys Caprys). Edge of disturbed grassland on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J.A. Green, 2004. 2nd recent hectad record.
- +‡91/2.14×wal. **Euphorbia ×pseudovirgata** (*E. waldsteinii* × *E. esula*) (Twiggy Spurge) (Llaethlys Brigog). Waste ground behind costal dunes, Ffrith, Prestatyn, SJ043.827, G. Wynne, 2002, conf. B. Ing. 2nd record and 1st as a neophyte. There was an unconfirmed record of this taxon from the same site in 1997.
- +©94/1.2. **Linum usitatissimum** (Flax) (Llin). Grassland on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips, 2006. 1st recent record for v.c. 51 (other than as a cultivated crop).
- +‡99/1.1. **Acer platanoides** (Norway Maple) (Masarnen Norwy). Group of about 6 planted c.1970 on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips, 2006.
- ‡103/1.23. **Geranium phaeum** (Dusky Crane's-bill) (Gweddw Alarus). Grassland on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips, 2006. 2nd hectad record.
- +‡107/7.1. **Scandix pecten-veneris** (Shepherd's-needle) (Nodwydd y Bugail). Ploughed up footpath, Glol, 1.5 miles S of Trelogan, SJ118.778, P. Day, 2007. 1st recent record for Wales.

- ‡109/1.3. *Vinca major* (Greater Periwinkle) (Perfagl Fawr). Grassland on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips, 2006. 2nd hectad record.
- ‡110/9.1. *Datura stramonium* (Thorn-apple) (Afal Dreiniog). Garden weed, Crud-yr-Awel, Licswm, SJ166.715, G. Wynne, 2006. 2nd hectad record.
- 113/1.1. *Menyanthes trifoliata* (Bogbean) (Ffeuen y Gors). Established in pond created in 2005, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips, 2006. 2nd hectad record.
- *‡115/1.1. *Phacelia tanacetifolia* (Phacelia) (Ffaselia). Bare ground on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips, 2006. 1st record.
- 116/15.9. *Myosotis ramosissima* (Early Forget-me-not) (Sgorpionllys Cynnar). Grassland on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips, 2006. 2nd hectad record.
- +‡118/4.1c. *Lamium galeobdolon* subsp. *argentatum* (Variegated Yellow Archangel) (Marddanhadlen Felen Arianddail). Possible garden escape in woodland at edge of old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips, 2006. 1st record as neophyte.
- +‡118/16.1. *Melissa officinalis* (Balm) (Balm). Woodland edge near houses on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips, 2006. 2nd record.
- +124/16.12. *Veronica catenata* (Pink Water-speedwell) (Graecanllys-y-dŵr Rhosliw). New pond in old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips, 2006. 1st recent hectad record.
- +‡131/6.2. *Lonicera nitida* (Wilson's Honeysuckle) (Gwyddfid Wilson). Rough ground on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips, 2006.
- +134/1.1. *Dipsacus fullonum* (Wild Teasel) (Cribau'r-pannwr Gwyllt). Waste ground on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips, 2006.
- +‡135/17.1. *Picris echioides* (Bristly Ox-tongue) (Tafod-y-llew Gwrychog). Rough grassland on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips & J.A. Green, 2004.
- +‡135/22.1. *Lactuca serriola* (Prickly Lettuce) (Letusen Bigog). About 12 plants on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips, 2006.
- ‡135/27.6. *Pilosella aurantiaca* (Fox-and-cubs) (Clust-y-llygoden Euraid). Grassland on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J.A. Green, 2004. 2nd hectad record.
- 135/37.1. *Pulicaria dysenterica* (Common Fleabane) (Cedowydd). Grassland on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips, 2006. 2nd hectad record.
- 135/56.1. *Chrysanthemum segetum* (Corn Marigold) (Melyn yr Țd). Bare ground on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips, 2006. 2nd recent hectad record.
- +‡135/58.lac×max. *Leucanthemum* ×*superbum* (*L. lacustre* × *L. maximum*) (Shasta Daisy) (Y Llygad-llo Mwyaf). Rough ground on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips, 2006.
- 152/16.5. *Carex otrubae* (False Fox-sedge) (Hesgen Dywysennog Goesadeiniog). Grassland on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips, 2006. 2nd hectad record.
- 153/18.4. *Poa humilis* (Spreading Meadow-grass) (Gweunwellt Ymledol). Grassland on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J.A. Green, 2004. 2nd hectad record.
- 153/21.1. *Catapodium rigidum* (Fern-grass) (Gwenithwellt Caled). Edge of grassland/footpath on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J.A. Green, 2006. 2nd recent hectad record.
- +‡153/PAN.mil. *Panicum miliaceum* (Common Millet) (Miled). +©With other aliens at lake margin near path, Llyn Helyg, SJ116.775, G. Wynne; +©disturbed ground on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips; both 2006. 2nd & 3rd records.
- *158/7.1. *Colchicum autumnale* (Meadow Saffron) (Saffrwm y Ddôl). Three flowers in a clump on rough pasture with bracken and *Cirsium arvense*, W of Cefn Mawr Quarry, S of Cefn Bychan, Pant-y-mwyn, SJ19.63, J. Skates & G. Wynne, 2006. 1st recent record. Status uncertain.
- +‡158/18.2. *Ornithogalum angustifolium* (Star-of-Bethlehem) (Seren Fethlehem). Grassland on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J.A. Green, 2004.
- +158/24.16. *Allium vineale* (Wild Onion) (Nionyn Gwyllt). Grassland on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips, 2006.

+‡159/13.3×aur. *Crococsmia ×crococsmiiflora* (*C. pottsii* × *C. aurea*) (Montbretia) (Crib-y-ceiliog). Grassland on old industrial site, Rhydymwyn Valley Nature Reserve, SJ205.665, J. Phillips, 2006.

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- +‡2/1.2. *Selaginella kraussiana* (Krauss's Clubmoss) (Cnwp-fwsogl Krauss). Well established in lawns, Plas Newydd, SH520.693, I. Bonner, 2006.
- +17/3.8. *Dryopteris carthusiana* (Narrow Buckler-fern) (Marchredynen Gul). Wet coastal heath, Traeth y Gribin, SH298.817, Anglesey Flora Group, 2006, conf. S. Thomas. Good spores, not a hybrid
- +27/1.1. *Ceratophyllum demersum* (Rigid Hornwort) (Cyrnddail Caled). Old mill pond, Hen Felin Ddwr, Llangefni, SH456.753, I. Bonner, 2006, **herb. IRB**.
- +28/13.11. *Ranunculus sceleratus* (Celery-leaved Buttercup) (Crafanc yr Eryr). Wet coastal heath, Traeth y Gribin, SH298.817, Anglesey Flora Group, 2006, conf. N. Brown.
- +46/5.3. *Stellaria pallida* (Lesser Chickweed) (Gwlyddyn-y-dom Bach). +Open sandy coastal edge, Penrhos, SH276.806, I. Bonner, J. Robertson & L. Farrell; +sand dune, Traeth Lligwy, SH49.87, I. Bonner; both 2006.
- *46/7.2. *Cerastium arvense* (Field Mouse-ear) (Clust-y-llygoden y Meysydd). Dune grassland, Valley, SH30.74, I. Bonner & R. Birch, 2006, **herb. IRB**. 1st record. Presumed native – link to Eastern Ireland (or from an air base in E Anglia?).
- 47/8.14×19. *Rumex ×abortivus* (*R. conglomeratus* × *R. obtusifolius*) (a hybrid dock). Path edge, Capel Mawr, SH407.716, W. McCarthy & M. Stead, 2003, conf. G.D. Kitchener.
- *‡57/1.10. *Viola cornuta* (Horned Pansy) (Trilliw Corniog). Corner of pony grazed field, Bryn Castell, Llanddona, SH563.787, Anglesey Flora Group, 2006, conf. N. Brown. 1st record.
- *‡61/2.7. *Salix acutifolia* (Siberian Violet-willow) (Helygen Borffor Siberia). Lakeside, Llyn Alaw, SH388.871, I. Bonner & M. Stead, 2006, **herb. IRB**, det. A.O. Chater. 1st British record as established neophyte. Originally planted with other willows around the reservoir margin.
- *62/12.3. *Rorippa islandica* (Northern Yellow-cress) (Berwr Melyn Gogleddol). Bare, damp, stony area used as a car-park, Penwerthyr, Llyn Alaw, SH406.865, I. Bonner, 2006, **herb. IRB**, det. A.O. Chater. 1st record.
- +62/12.4. *Rorippa palustris* (Marsh Yellow-cress) (Berwr Melyn y Gors). Wetland, Llyn Coron, SH37.69, M. Stead, 2006.
- +‡62/20.1. *Lobularia maritima* (Sweet Alison) (Alyswm Pêr). Sea wall well away from gardens, Aberffraw, SH354.686, I. Bonner & S.N. Priest, 2006.
- *‡75/3.2×3. *Spiraea ×billardii* (*S. alba* × *S. douglasii*) (Billard's Bridewort) (Erwain Billard). Established between pond and nearby gardens, Valley, SH286.790, I. Bonner & R. Birch, 2006. Originating from nearby gardens but established.
- *‡75/8.9. *Rubus spectabilis* (Salmonberry) (Miaren Oren). ‡Well established in woodland, Church Wood, Plas Newydd, SH52.68, Anglesey Flora Group, 2006, **herb. IRB**, conf. I. Bonner.
- *‡75/18.1. *Acaena novae-zelandiae* (Pirri-pirri-bur) (Pirri-pirri). Well established in lawn and path edges, Plas Newydd, SH52.69, I. Bonner, 2006, det. J. Poland. 1st record.
- *‡75/21.9. *Rosa virginiana* (Virginian Rose) (Rhosyn Virginia). Field boundary, Dwyran, SH439.664, I. Bonner, 2005, conf. R. Maskew. 1st record.
- *84/2×8. *Epilobium ×floridulum* (*E. parviflorum* × *E. ciliatum*) (a hybrid willowherb). Lakeside, Llyn Alaw, SH385.865, I. Bonner, 2006, det. G.D. Kitchener. 1st record.
- +103/1.15. *Geranium pusillum* (Small-flowered Crane's-bill) (Pig-yr-aran Fân-flodeuog). On rock by farm buildings, single clump, Penrhyn, SH287.840, I. Bonner, 2006, **herb. IRB**.
- +103/2.1. *Erodium maritimum* (Sea Stork's-bill) (Pig-y-crêyr Arfor). Rabbit grazed ground, Gwalchmai, SH381.765, I. Bonner, 2006.
- *‡107/1.ran. *Hydrocotyle ranunculoides* (Floating Pennywort) (Dail-ceiniog Arnofiol). Borrowpit by A55, 2×2m. patch, Bryngwran, SH348.771, O. Mountford, 2006, **herb. IRB**. 1st record.

- *120/1.2. **Callitriche truncata** (Short-leaved Water-starwort) (Brigwlydd Byrddail). Pond and inflow stream, Hen Felin Ddwr, Llangefni, SH456.753, I. Bonner, 2006, **herb. IRB**, conf. R.V. Lansdown. 1st published Welsh record but known from 6 other sites in v.c. 52.
- *‡135/2×rig. **Helianthus ×laetiflorus** (**H. pauciflorus** × **H. tuberosus**) (Perennial Sunflower) (Blodyn-yr-haul Lluosflwydd). Waste ground, Carnau, SH276.806, W. McCarthy, 2006, det. E.J. Clement. 1st record.
- *‡135/80.1. **Galinsoga parviflora** (Gallant-soldier) (Galinsoga). ‡Hen run on former arable field, Penlon, Newborough, SH430.650, B. Wrightson, 2006, det. E.J. Clement. 1st record.
- +142/1.19. **Potamogeton crispus** (Curled Pondweed) (Dyfrllys Crych). Wet coastal heath, Traeth y Gribin, SH298.817, Anglesey Flora Group, 2006, conf. I. Bonner.
- +152/3.6. **Eleocharis acicularis** (Needle Spike-rush) (Ysbigfrwynen Fain). Locally frequent on reservoir margin, Llyn Alaw, SH407.871, I. Bonner & S.N. Priest, 2006. Also in SH40.86 & 41.87.
- +152/16.22. **Carex curta** (White Sedge) (Hesgen Benwen). Basin mire, Coeden, SH364.891, P. Jones, 2000, CCW Peatland Survey Report.
- *‡160/1.1. **Yucca recurvifolia** (Curved-leaved Spanish-dagger) (Iwca). Single plant on sand dune, Tywyn Hir, SH288.850, I. Bonner, 2006. 1st record.
- 162/13.1. **Platanthera chlorantha** (Greater Butterfly-orchid) (Tegeirian Llydanwyrdd). Single inflorescence in field, Tyn y coed, Llanddaniel, SH492.693, J. Robertson, 2006. 2nd record, 2km from 1st in 2001.

REQUEST

AQUATIC PLANTS

A reminder to request in BSBI NEWS, Jan 2007, No. 104, p.50

In order to gain experience for a small study on *Utricularia*, I would be grateful to receive live material (sent in a sealable bag, damp, between newspaper or kitchen towel). Flowering material would be very useful in relation to identification but would welcome vegetative material (live) in order to carry out a growing trial. Also for general experience in aquatic and sub-aquatic plants in any genus, if you have any spare material preferably fresh, these would be gratefully received. Send usual recording details. (a.s.a.p.). Postage can be paid if required (anyone in Europe knowing *U. bremii* would be welcome to send material) to:

MICHAEL WILCOX
 32 Shawbridge St, Clitheroe, BB7 1LZ, Lancs., UK
 E-mail: Michaelpw22@hotmail.com