

Front Cover Photo : *Saxifraga hypnoides* (Mossy Saxifrage) in Ogof Ffynnon Ddu NNR, v.c. 42. Interestingly, plants from Wales and W. Ireland are diploid, whereas those from N. Ireland, N. England and Scotland are tetraploid, (www.brc.ac.uk/plantatlas/index.php?q=plant/saxifraga-hypnoides) © T.C.G.Rich

1 : Herbarium specimen of *Hieracium pusillifolium* from Welsh National Herbarium (NMW). Inset : 10-km square distribution map of *Hieracium pusillifolium*. © T.C.G.Rich (See article on page 12).

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Most back issues are still available on request (originals or photocopies) @ £2 per issue, please contact Sally Whyman or Katherine Slade. Cheques are payable to BSBI Wales. The last issue was no.87, released in Jan 2011.

Back issues over one year old are currently being uploaded to the website. www.watsonia.org.uk/html/welsh_bulletin.html

All articles, news, photos, guest editorials and other items for inclusion in the Jan 2012 issue should be sent to an editor by **1st Dec 2011**.

Please send any plants records to your Vice-County Recorder (see BSBI Yearbook).

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Editorial

SALLY WHYMAN, *Welsh National Herbarium, Dept. of Biodiversity & Systematic Biology Amgueddfa Cymru – National Museum Wales*

In my new role as Assistant Curator-Access Officer for Vascular Plants in the Welsh National Herbarium I have ‘hit the floor running’ helping Tim Rich collect material for the Barcoding Wales Project [see Welsh Bulletin 86 May 2010 for more details]. It being the time of year for collecting plants, we have been busy filling in the gaps of material needed for this project. Already this year, 491 specimens have been collected of native and alien Welsh plants from localities as ecologically diverse as St. Fagans National History Museum to the beautiful Whiteford Burrows NNR, Gower.

A voucher specimen is collected in the field and from this a small portion of leaf is torn up and placed in an envelope containing silica gel crystals to dry it out. The samples are then sent for extraction and analysis. The voucher specimens are pressed, mounted, databased and then scanned; they can then join the other herbarium specimens in the Welsh National Herbarium that have already been used in this project.

As we have needed to process large numbers of specimens very quickly, children and their parents have been ‘pressed’ into service. At a recent open day for our Biodiversity and Systematic Biology department at Amgueddfa Cymru – National Museum Wales we gave visitors the chance to help mount some of these vouchers themselves, explaining the project to them whilst showing them what to do. We found it was a very good opportunity to explain technical aspects of the project to quite small children. (See image 2 on inside back cover).

The children were fascinated that their mounted plants will still be in the herbarium in two hundred years time and many earnestly promised to come back in to see them then.

I would like to take this opportunity to remind you to contact Sarah Stille if you haven’t already booked for the Welsh AGM at Dale this year (see reminder on page 8). It is a lovely location and a chance to meet our new BSBI Welsh Officer, (see article on page 9).

BSBI WALES ANNUAL GENERAL MEETING 2010

The 48th AGM and 12th Quadrennial Meeting of the BSBI in Wales, held at Hotel Cymyran, Valley, Anglesey on Saturday 12th June 2010.

1. Welcome. The Chairman, Andy Jones, welcomed everyone to Anglesey.

2. Apologies for Absence. Michael Braithwaite, Nigel Brown, Ann Daly, Paul Day, Liz Dean, Trevor Dines, Gwynn Ellis, Sue Spencer, Sarah Stille, Kate Thorne, Kevin Walker, Sally Whyman and Julian Woodman.

Trevor Dines, who had originally hoped to be organising this weekend, sent the following message, "I have long standing respiratory problems that need an extended period of complete rest. The problems actually started back in February and came to a head in May; but I am recovering steadily now. As people will know, I'm not very good at resting and I am very much looking forward to being back in work in July. I'm absolutely gutted that I can't be with you all this weekend, especially as it was my offer to bring you all to Anglesey in the first place. I hope you all have a wonderful time and I look forward to all the pictures and stories. I will be disappointed if you fail to discover another new *Equisetum* hybrid somewhere on Anglesey!"

3. Minutes of 2009 AGM. Minutes of the 47th meeting held at Llanellwedd Jubilee Hall, Builth Wells on 27th June 2009 were approved as printed in Welsh Bulletin No.86.

4. Matters Arising. None.

5. Chairman's Statement.

Andy Jones simply thanked everyone for all the support he had received over the last four years and said how much he had enjoyed his term as Chairman. He welcomed Delyth Williams who would be taking over from him later in the meeting.

6. Hon. Secretary's Report.

Richard Pryce, on behalf of everyone, thanked Andy Jones for his enthusiasm and leadership over the last four years. He went on to:

a) Encourage everyone present to read the Welsh Bulletin (available to non residents in Wales for £2 per copy – via Katherine Slade) and hoped more members would contribute short notes and pictures for future issues.

b) Thank Wendy McCarthy for arranging the eleven field meetings planned for 2010 and continuing to undertake this essential task with such efficiency.

c) Record our thanks to Gwynn Ellis (our former Hon. Secretary) for all the work

he does in compiling *Welsh Plant Records* for the Welsh Bulletin and with all other work that he does for the Society including BSBI's membership matters.

d) Draw attention to the wealth of new books relevant to members: the Third Edition of Clive Stace's *Flora*, the new BSBI Handbooks on *Fumitories*, *Grasses* and *Whitebeams* and also the two new books, published by CCW, on *Habitats* and *Grasslands of Wales*.

e) Welcome Rod Gritten as successor Vice-County Recorder to Peter Benoit for v.c. 48, Merioneth and thank Peter for his enormous contribution as BSBI's longest serving Vice-county Recorder. He also reported that Quentin Kay was proposing to retire as Recorder for Glamorgan (West), to be succeeded by Barry Stewart.

f) Finally Richard thanked all those involved in the organisation of the events this weekend, particularly Ian and Pippa Bonner who had stepped into the breach in the event of Trevor Dines' indisposition.

7. Hon. Treasurer's Report.

Annual Statement of Accounts for the period 1 January 2010 - 31 May 2010

<i>Receipts</i>	£	<i>Payments</i>	£
Plantlife for WB#85	150.00	WB#85	488.57
WB subs	30.00	WB#86	430.36
AGM conf fees	373.50	Meeting costs	18.50
		2010 AGM deposit	100.00
Totals	553.50		1,037.43
Receipts less payments	-483.93		
C/f from 31 Dec 2009	1,076.25		
Balance at end May 2010	£592.32		

Accounts for the year 1 January - 31 December 2009

<i>Receipts</i>		<i>Payments</i>	
Plantlife for WB#83, 84	290.00	Welsh Bulletin	800.28
WB subs	76.00	AGM	2,994.46
AGM	3,954.00	Meeting room rental	35.00
		Field meeting expenses	20.00
Totals	4,320.00		3,849.74
Receipts less payments	470.26		
C/f from 31 Dec 2008	605.99		
Balance at 31 Dec 2009	£1,076.25		

There were no questions and the accounts were accepted unanimously.

8. Election of Officers and Committee Members.

This being a quadrennial meeting, Delyth Williams took over as Chairman and Julian Woodman as Vice-Chairman.

The following members retire from the Committee in 2010 and agreed to stand for re-election: Arthur Chater, Liz Dean, Stephen Evans, Andy Jones, Mike Porter, Sarah Stille, Kate Thorne and Delyth Williams. Their re-election was approved.

The Committee now comprises:

Chairman: Delyth Williams.

Vice-Chairman: Julian Woodman.

Secretary: Kath Pryce.

Treasurer: Sarah Stille.

Bulletin Editors: Katherine Slade, Sally Whyman and Richard Pryce.

Meetings: Wendy McCarthy.

Minutes: Ian Bonner.

Members: Arthur Chater, Liz Dean, Trevor Dines, Stephen Evans, Trevor Evans, Andy Jones, Mike Porter, Kate Thorne and Ray Woods.

CCW Observer: Paul Day.

Plantlife Representative: Trevor Dines.

9. Any Other Business.

a. Delyth Williams, as new Chairman, also thanked Andy Jones for his indefatigable enthusiasm and support for the Society during his tenure as Chairman.

She also congratulated Trevor Evans on his election as an Honorary Member of the BSBI and John Poland (with Eric Clements) on being awarded The President's Prize for his ground breaking Vegetative Key.

Delyth welcomed Emily Meilleur as the new Recorder for Flintshire and presented Goronwy Wynne, the outgoing Recorder, with a small gift as a token of the Society's appreciation of his long service.

Delyth also welcomed Rod Gritten as the new Recorder for Merioneth and said that a similar small gift would be sent to Peter Benoit as a token of our thanks.

b. Stephen Evans outlined arrangements for the 2011 Wales AGM, to be held at Dale Fort FSC Centre in Pembrokeshire between 12-14th August. The theme

would be arable and coastal habitats, and he looked forward to welcoming everyone next year.

c. Ian Bonner wished to say thank you to everyone who had attended over the three days and to a number of people without whose help the AGM could not have progressed: to the owners and staff at Hotel Cymyran, to the Leaders and Guides of all the excursion groups, to the exhibitors and lastly to his wife, Pippa, for massive support over the organisation of the accommodation and your reception here.

Reminder—BSBI Wales AGM 2011

49th Welsh AGM & 29th Exhibition Meeting

Friday 12th – Sunday 14th August 2011

Bookings will soon be closing for the BSBI Wales AGM 2011 to be held at Dale Fort Field Study Centre, Pembrokeshire on 12-14th August. See BSBI Year Book 2011 for particulars. If you haven't yet booked and wish to now, please contact Sarah Stille via sarah.stille@virgin.net. There are only a few beds left in the Centre.

Visits will be made to coastal and arable habitats of the peninsula over the 3 days. The intention is to have an optional walk on the coastal path or into Dale village on the Friday afternoon and to visit the small inlet of the Gann Estuary on Saturday morning before the AGM. On Sunday the plan is to explore arable fields, view Skomer Island from the Deer Park and if tides and time permit examine a colony of *Rumex rupestris*.

Calendar of Meetings 2011

Full details and procedure for booking are also available in the BSBI Year Book 2011 and the BSBI Welsh Bulletin no. 87.

Saturday 2nd July Buttington Wharf, Welshpool, Montgomeryshire, v.c. 47. Kate Thorne.

Saturday 9th – Saturday 16th July Glynhir recording week, Carms, v.c. 44. Kath

and Richard Pryce.

Friday 12th – Sunday 14th August Welsh AGM and Exhibition Meeting and associated field meetings, Dale Fort Field Centre Pembrokeshire, v.c. 45 (see above). Stephen Evans, Jane Warr, Fiona Gomersall and Cath Shellswell.

Saturday 20th August Crigyll Estuary and the Tywyn Trewan dunes, near Rhosneigr, Anglesey, v.c. 52. I. & J.Rees.

New Welsh Officer

POLLY SPENCER-VELLACOTT, *BSBI Welsh Officer.*

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I am delighted to be about to start as the BSBI's first Welsh Officer. Having spent childhood holidays in Wales visiting grandparents and relations, and having studied both at Aberystwyth and at Bangor, I feel I know some parts of Wales fairly well (and although I'm not fluent, I do speak some Welsh) and I'm looking forward to getting to know some of the other parts better.

For the last three years I have been working in consultancy in North Wales, and taking every opportunity to carry out habitat and vegetation surveys. Some of the highlights of my recent work have been working along trunk roads carrying out verge surveys, occasionally finding interesting plants such as *Vicia orobus*.

My role as Welsh Officer will involve supporting the Vice-County Recorders, especially with digitisation of records, but hopefully I will be able to provide help in a range of ways depending upon the individual requirements.

The second part of my job will involve setting up monitoring schemes for rare plants in SSSIs. The role is part funded by the CCW as well as the BSBI and I will be based in the CCW office in Mold, near to where I live, in Penyffordd. I am looking forward to starting the job and getting out and about to meet members and recorders across Wales.

(See image 3 on inside back cover).

Anglesey Plants in 2010

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

The most important event of the year was hosting the Welsh AGM in June at Cymyran, Valley on Anglesey. Reports of the AGM, exhibits and field visits appear elsewhere in The Bulletin and in BSBI News. Over 70 members attended and we were blessed with good weather, a good venue and an excellent team of leaders, speakers and general helpers. We were also pleased to be visited, at the same time as the AGM, by 14 or so members of the Bradford Botany Group.

A workshop on Grass Identification was held in July at Treborth; but no other formal field excursions were arranged in 2010.

Over 6000 monad records have been entered already for this year, bringing the total to over 70,000 records, with hopefully some more still to come from other recorders.

However, despite the enthusiasm at the 2009 indoor meeting, the number of people recording at the monad level is very small, with a few others sending in records for interesting species. I am very grateful for the records received and thank those who have contributed very much indeed. I am not sure what might be done in 2011 to stimulate more activity.

Of this year's Threatened Plant Project (TPP) species *Viola lactea* (Pale Dog-violet) rather overlapped with preparations for the AGM; but has

been quite well covered in recent years (see image 4 and map 5 on back cover). This shows a concentration on the coastal heathland in the west and a looser scatter of sites on the heathland on limestone toward the east. Hybridisation to varying degrees with *Viola riviniana* (Common Dog-violet) occurs at all sites.

The other TPP species, *Glebionis segetum* (Corn Marigold) was monitored successfully by Jane and Ivor Rees in cultivated fields at its stronghold in the NW corner of Anglesey; but it was not refound at the other two selected locations – at both sites it had been thought to have been a recent arrival, probably introduced in a seed mix and not persisting.

In early March Nigel and I walked one way along the minor road south of Tre Lowerth (35.79), noting 68 species and wondered how many more would be added with a repeat visit later in the season. On 13th July I walked both ways along the same section of road and added 52 species, an increase of 76%. In April I walked from the B5109 along the track to Llandrygan church (38.79), noting 74 species. The walk was repeated on 13th July when a further 31 species were added, an increase of 42%. Only 9 species were not noticed again on the second visit. These results do not negate the value of early recording visits; but do indicate the need for a follow-up, if reasonably

comprehensive cover is desired.

An April visit to the Lynon Hall area (33.84) confirmed that *Milium effusum* (Wood Millet) is still locally plentiful along the wooded road edge, along with masses of *Vinca minor* (Lesser Periwinkle). The other Anglesey records for *Milium* are from the 1960's, also from wooded estates: Plas Newydd, Tre Iorwerth and Plas Cadnant near Menai Bridge, supporting the view that the species was probably introduced to provide food for game birds.

Joint visits to help monitor some of the wetlands associated with the A55 across Anglesey discovered a new location in SH46.72 for the handsome sedge, *Carex pseudocyperus* (Cyperus Sedge). Otherwise this species has long been known (since 1895) only from the Valley Lakes. However there was no sign of *Teucrium scordium* (Water Germander) at its only site near Bryngwran, indeed the open gravelly pool margin was now a dense cover of *Eleocharis palustris* (Common Spike-rush). Likewise *Oenanthe fistulosa* (Tubular Water-dropwort) was also less obvious, in the absence of appropriate management these marshland habitats succeeding rapidly to coarser sedges and willow scrub.

It was some time after noting *Calystegia sepium* ssp. *roseata* (Hedge Bindweed) with the pink corolla with five white stripes, on wet heath near peaty pools on the RSPB's Penrhosfeilw Common reserve in 2003 that it was realised this was a new VC

record. Ivor and Jane found it still flourishing in 2010 and that this location fills a gap in its national distribution between Lancashire and Caerarfonshire. Is it elsewhere on Anglesey – something to look out for in 2011.

Fly orchids (*Ophrys insectifera*) are restricted on Anglesey to fenland habitat and in June the population was carefully monitored by CCW. At Cors Erddreiniog 33 flower spikes were counted, including several in the newly acquired extension, and 87 at Cors Bodeilio. Fly orchids have not been noted from the fen at Rhos y Gad since 1958 and seem never to have been recorded from Cors Goch or any of the other Anglesey fens.

A walk below Llangaffo church to Pont Dinam (SH45.68) found a number of well established trees and shrubs either side of the bridge and Pat Denne identified *Cornus mas* (Cornelian-cherry) and *Laburnum alpinum* (Scottish Laburnum) as new additions to the Anglesey checklist.

Several Anglesey plants have enjoyed a second or extended flowering period this year, including *Ranunculus bulbosus* (Bulbous Buttercup) flowering well into November on shallow limestone soils that were very burnt-up in the dry weather during May and June.

My thanks to all those who have contributed records and also to those who have helped with the identification of specimens this year.

Another Welsh Dodo—our endemic Penwyllt hawkweed is extinct

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Penwyllt hawkweed, *Hieracium pusillifolium* P.D. Sell, is a rare Welsh endemic which is now probably extinct (Rich 2010). It is a member of *Hieracium* section *Oreadea* (Fr.) Dahlst. and is characterised by the 4-7, elliptical to broadly ovate stem leaves with simple hairs above and below (sometimes glabrous above), the few-flowered inflorescence with dark green, obtuse involucre bracts with numerous simple and stellate hairs but very few small glandular hairs, the glabrous-tipped ligules and the discoloured styles. It is similar to *H. breconicola* P.D. Sell but differs in having numerous stellate hairs on the involucre bracts.

Hieracium pusillifolium was first found on 26 July 1899 by Rev. Augustin Ley who provisionally named it *H. gothicum* Fr. W.R. Linton suggested it belonged to *H. scoticum* F. Hanb. Pugsley (1948) recognised it as one of five infraspecific taxa within *H. scoticum*, distinguished by having small, finely toothed leaves, and gave it the name var. *microphyllum*. P.D. Sell elevated the variety to species

status, giving it the new epithet *pusillifolium* as the name *H. microphyllum* Hyl. was already in use for another species (Sell & Murrell 2006).

Hieracium pusillifolium has been recorded only from one site, on an exposed limestone rock near the railway station at Penwyllt, v.c. 42 Brecon (Ley 1909; Sell & Murrell 2006; Table 1 below & image 1 on inside front cover). It was last recorded in 1920 by W. C. Barton. We have failed to find it during five detailed searches of the area for *H. repandulare* and *H. riddelsdellii* (cf. Rich 2006), or specifically for it on two occasions in 2010. The area where it was recorded around Penwyllt has been heavily quarried for many years and this probably accounts for its loss, though when this occurred is not known. The heavy grazing in the area and spread of invasive plants such as *Cotoneaster microphyllus* could also have been contributory factors. *Hieracium pusillifolium* can now thus be classed as IUCN (2001) threat status 'Extinct'.

Table 1. Records of *Hieracium pusillifolium* based on herbarium specimens

Locality	Date	Collector	Herbarium
Penwyllt, exposed limestone	26 July 1899	A. Ley	BM, CGE
Penwyllt, limestone rock	2 August 1906	A. Ley	CGE
Penwyllt, about 50 plants on the rock	9 July 1908	A. Ley	CGE
Penwyllt, rocks near railway station	21 August 1920	W. C. Barton	BM (holotype), NMW

This is the second Welsh endemic Hawkweed found to be extinct, the other being *H. cambricogothicum* (Rich *et al.* 2007). Many of our hawkweeds have small, highly restricted distributions with specific habitats which are especially vulnerable to loss, and some are under threat. It is ironic we should have found *H. pusillifolium* to be extinct during the International Year of Biodiversity.

Acknowledgements

We would like to thank Seren Thomas for help with field work. The work was jointly funded by Countryside Council for Wales and National Museum Wales.

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Heathers on Holyhead Mountain, Anglesey (v.c. 52)

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

The hard, highly siliceous quartzite of Holyhead Mountain (part of the Holy Island Coast SSSI) forms the highest point on the island at 220m. (715ft.) above sea level. It is mainly covered in thin peat bearing a heathy community with *Calluna vulgaris* (Ling), *Erica cinerea* (Bell heather) and *Erica tetralix* (Cross-leaved heath), also with both *Ulex gallii* (Western gorse) and *U. europaeus* (Common gorse), a combination that provides a spectacular colour display in high summer.

For some years however there have been reports of heathers flowering in March, so in the spring of 2009 Nigel Brown and I decided it was high time we made a visit. Ascending the track from South Stack several patches of a pink heather in full flower were very obvious amongst other heathy species. The flowering patches, covering some 200 square metres, were within the fence around one of the telecommunication masts (SH213.826), except in a few places where the clumps had extended beyond it; but for only a few centimetres. These plants had the anthers partly exerted beyond the corolla and contained no good pollen, fitting the description for *Erica x darleyensis* (*Erica erigena* x *E. carnea*) (Darley Dale Heath), a horticultural hybrid.

Discrete plants of a different summer flowering heather were also scattered within the fence and had also spread beyond it with at least 50 plants mixed with the native heathers for up to 25m. on the SE side of the fence. These plants fitted the description of *Erica terminalis* (Corsican Heath).

Clearly both were originally planted some years ago to landscape around the communications mast and it would be interesting to learn more about this – why were the existing native species not used in this SSSI? Perhaps some reader will be able to shed light on this?

Records of both species are being published for future reference, however, unlike *E. terminalis*, the *E. x darleyensis* cannot yet be said to have established itself on the open mountain.

Acknowledgement

Thanks to Charles Nelson for confirming the identity of the two specimens.

Reference

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A Living Wales: the Natural Environment Framework for Wales

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Latest News

The Welsh Government recognises that our environment:

- has an intrinsic value,
- is our life support system,
- is a finite source of raw materials and resources,
- is central to our quality of life, sense of place, health and wellbeing, and,
- underpins our economic development.

The Welsh Government also recognises that people experience environmental inequalities which must be addressed. To address these inequalities and ensure sustainable use of all our resources, we are committed to:

- recognising and living within environmental limits, locally and globally,
- ensuring that all of our policies take the environment into account, in accordance with our statutory Sustainable Development duty,
- stimulating and enabling collaboration across the Welsh public sector,
- working with business and voluntary sector partners,

- encouraging individual citizen and communities to live in an environmentally sustainable way, and,
- providing leadership by acting now for the future.

The Welsh Government's approach in *A Living Wales* is to look at the environment as a whole and act to secure a more integrated approach to managing the natural environment that improves the health of ecosystems.

During the next term the Welsh Government will:

- Lead significant changes in the way we regulate the environment and deliver policy, ensuring our communities and neighbourhoods have the highest possible standards of health and wellbeing.
- Look to bring the Environment Agency Wales, the Countryside Council for Wales and the Forestry Commission Wales together as one organisation to work closely on the development of 'A Living Wales', sharing services and operational resources to deliver it.

Up-to-date information on progress can be found on the Living Wales website including the latest papers on:

- the scales at which ecosystems function,
- the biodiversity targets that we have to meet,
- integrated management, sustainable use and conservation of Wales geodiversity resource,
- Keystone Species and Keystone Habitats,
- the services provided by ecosystems that contribute to making human life both possible and worth living,
- Natural Capital Accounting – which extends the traditional economic concept of capital to environmental goods and services,
- an introduction to the main economic tools that are currently available.

We are seeking your feedback on these papers in order to inform the next stages of the programme and you can let us know what you think via the contact details on the website at: www.wales.gov.uk/livingwales.

Background

The Welsh Government's Natural Environment Framework for Wales – *A Living Wales*. *A Living Wales* makes use of information coming out of existing sources such as the UK

National Ecosystem Assessment (UK NEA) and builds on the Environment Strategy for Wales. The Environment Strategy for Wales was one of the first policy documents in the UK to address the environment as a key asset that underpins our health, economy and quality of life.

The *A Living Wales* consultation was launched on 15th September 2010 and was open for responses until 31st December 2010. *A Living Wales* was the second most popular Welsh Government consultation in 2010, attracting around 6,600 views, almost 3,000 visits and over 170 responses.

The *Living Wales Programme* consists of the following work streams; building the evidence base (which coordinates four sub-workstreams):

- Ecosystems – their health and resilience
- Economics and Valuing Ecosystems
- Social Science and Behaviour Change
- Geographical Information Systems

Regulatory and Management Approaches. Engagement and Communications.

All work streams are managed by a chair and project manager and all work streams are open to involvement from external public, private and voluntary sector bodies, either as part of the core membership of each work stream or as part of a wider reference group. This is

an opportunity for everyone to help us develop this new approach and have an input into its design.

There are strong links with the Delivery Bodies Review Programme: refreshing the institutional arrangement of CCW, EAW and FCW. A high level joint Steering Group is in place to cover both programme and a Reference group which will include high level representatives from all sectors is currently being established.

Ecosystems - their health and services - form a key element of our future approach to sustainable development in Wales. A list of the services being considered and scales at which they occur can be found on the Living Wales website.

The Environment Strategy for Wales was launched in 2006 and referred directly to the environment as ‘a key

asset that underpins our health, economy and quality of life’ and ‘the mounting evidence that our actions are pushing natural systems beyond their ability to cope’. The Natural Environment Framework - *A Living Wales* - sits below the Sustainable Development Scheme and above the Environment Strategy and the individual environmental policies which set out present detailed actions.

Further information on *A Living Wales* - a new framework for our environment, our countryside and our seas, including how to join in, can be found at: www.wales.gov.uk/livingwales.

Further information about the UK National Ecosystem Assessment, including copies of the Synthesis Report, can be found at: <http://uknea.unep-wcmc.org/>

WELSH PLANT RECORDS 2010

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 & 3* (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 follow the 3rd edition of C.A. Stace's *New Flora of the British Isles* (2010) or, if not in that Flora, E.J. Clement & M.C. Foster's *Alien Plants of the British Isles* (1994). T.B. Ryves, E.J. Clement & M.C. Foster's *Alien Grasses of the British Isles* (1996) or Sell & Murrell's *Flora of Great Britain and Ireland* (1996-2009). Authorities for Latin names are not given unless the name is not in any of these works. English names are those in Stace (2010) or *English Names of Wild Flowers* ed. 2 (1986) by Dony *et al*, or, if not in either of those, Clement & Foster (1994), Ryves, Clement & Foster (1996) or Sell & Murrell (1996-2009). 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 an updated VCCC record.

+ to indicate a new hectad record; ⊕ to indicate an 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.

N, S, E, W indicate points of the compass.

In general, only records which update the *Vice-county Census Catalogue* [VCCC] (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 1/1/2011 are:

MONMOUTH, v.c. 35; Mr T.G. Evans, La Cuesta, Moun-ton Road, Chepstow, Monmouthshire NP16 5BS. 01291 620802; tg8evans@talktalk.net

GLAMORGAN, v.c. 41 (West); Mr B. Stewart, 36 Pencaerwn Road, Gorsenion,

Swansea, SA4 4FU. 01792 539447; moonmoths@virginmedia.com

GLAMORGAN, v.c. 41 (East); Mr J. Woodman, c/o CCW, Unit 4, Castelton Court, Fortran Road, Cardiff CF3 0LT (Please mark PERSONAL). 029 2077 2400; Julian.Woodman@ccw.gov.uk

BRECON, v.c. 42; Mr M. Porter, Aberhoywy Farm, Cyffredyn Lane, Llangynidr, nr Crickhowell, Powys NP8 1LR. 01874 730354; mikechris1@btinternet.com

RADNOR, v.c. 43; Miss E.R. Dean, Enmore House, Croft Lane, Kingsland, Leominster, Herefordshire, HR6 9PP. 01568 780769; erd@btconnect.com & Mrs S.M. Spencer (*all correspondence to Miss Dean*).

CARMARTHEN, v.c. 44; Mr R.D. Pryce, Trevethin, School Road, Pwll, Llanelli, Carmarthenshire SA15 4AL. 01554 775847; pryceeco@aol.com

PEMBROKE, v.c. 45; Mr S.B. Evans, Glan-y-Mor, Dinas Cross, Newport, Pembrokeshire SA42 0UQ. 01348 811539; glanymor.dinas@virgin.net

CARDIGAN, v.c. 46; Mr A.O. Chater, Windover, Penyrangor, Aberystwyth, Ceredigion SY23 1BJ. 01970 617409; aochater@nildram.co.uk

MONTGOMERY, v.c. 47; Dr A K Thorne, Churton House, Church Pulverbatch, Shropshire, SY5 8BZ. 01743 718270; k.thorne@btinternet.com

MERIONETH, v.c. 48; Dr R. Gritten, Traian, Llanfrothen, Penrhyndeudraeth, Gwynedd, LL48 6SW. 01766 770933; grittenecology@yahoo.co.uk

CAERNARFON, v.c. 49; Mrs W.N. McCarthy, 5 Tyn-y-coed, Great Orme, Llandudno, Conwy LL30 2QA. 01492 877451; Wendorme@aol.com

DENBIGH, v.c. 50; Mrs D. Williams, Bryn Siriol, Graigfechan, Ruthin, Denbighshire, LL15 2HA. 01824 702196; delyth@siriol.myzen.co.uk.

FLINT, v.c. 51; Ms E. Meilleur, 1 Fron Goch, Llanberis, Gwynedd, LL55 4LE. 01286 870173; emilytheameilleur@gwynedd.gov.uk

ANGLESEY, v.c. 52; Mr I.R. Bonner, Cae Trefor, Tyn y Gongl, Anglesey LL74 8SD. Tel: 01248 852651; bsbi@caetrefor.co.uk & Mr N.H. Brown (*all correspondence to Mr Bonner*).

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

5/2.1. **Botrychium lunaria** (Moonwort)(Lloer-redynen). 3 plants on bank with scattered slates, waste ground, Waun Afon, SO2212.1083(F), C.Hatch, new tetrad; +1 plant in grassland, Ty'r-hen-Forwyn, Cefn-crib, ST2352.9987(J), J.P.Woodman; both 2010.

28/16.1. **Aquilegia vulgaris** (Columbine)(Troed y Golomen). Scattered thinly through the Minnetts wood complex, ST4.8(P), T.G.Evans, 2010. 1st record this millennium. This plant diminished savagely when broad-leaved trees were replaced by conifers in the early 1960s, here, and in other woods in SE v.c.35.

+†43/1.5. **Chenopodium glaucum** (Oak-leaved Goosefoot)(Troed-yr-wydd Dail Derw), Dung pile, near rectory meadow, Rogiet, ST4611.8827(U), J.P.Woodman, 2010.

+46/5.1.b. **Stellaria nemorum** ssp. **montana** (Welsh Wood Stitchwort)(Serenllys-y-coed Cymreig). c.100 plants (flowering later than those near Manor Brook, Whitebrook) with many non-flowering plants mixed with *Stellaria holostea* on side of small brook, at S end of Bargain Wood, opposite Coed-Ithel Farm, and on bend of A466 NW of Catchmays Court, SO527.025(G), T.G.Evans & C.Titcombe, 2010. First time TGE has visited this site since 1988.

- +‡46/7.3. **Cerastium tomentosum** (Snow-in-summer)(Clust-y-llygoden y Felin). +Large patch on W side, A466 link road, near Newhouse roundabout, Chepstow, ST533.917(F); +Several plants at base of M4 S bank facing shore, Caldicot Pill, ST489.872(Y); both T.G.Evans, 2010.
- 47/1.6. **Persicaria bistorta** (Common Bistort)(Llyisiau'r Leidr). 1 patch in pasture/meadow, directly S of Cleddon Hall, SO517.041(C), S.J.Tyler, 2010. New tetrad.
- ⊗47/8.11. **Rumex cristatus** (Greek Dock)(Tafolen Groeg). 10-20 plants on sea wall, E of Little Wharf, mouth of R.Rhymney, ST227.777(I), T.G.Evans & C.Titcombe, 2010. Update to this millennium.
- 47/8.18. **Rumex pulcher** (Fiddle Dock)(Tafolen Ganolfain). 18 leaf rosettes between the 'fountain' and the 1st seat from Welsh St entrance, Castle Dell, Chepstow, ST531.939 (G), T.G.Evans, 2010. The regular mowing of grass prevents the plants producing flowers in the ?only remaining v.c. site.
- †53/1.7. **Malva neglecta** (Dwarf Mallow)(Corhocysen). Verge Lone Lane, near wall, Cherry Orchard Farm, Penallt, SO532.092(J), S.J.Tyler, 2010. New tetrad.
- ⊕62/12.6. **Rorippa amphibia** (Great Yellow-cross)(Berwr Melyn Mawr). Several plants at Mill Reen edge, Magor Sewage Works, ST438.848(H), T.G.Evans, 2010. Update to this millennium.
- ‡62/14.4. **Cardamine raphanifolia** (Greater Cuckooflower)(Blodyn Llefrith Mawr). 2 patches on right bank, R. Wye, Llandogo, SO527.039(H), C.Titcombe, 2010. 1st record on River Wye, new tetrad. Origin probably White Brook where it has been spreading extensively for many years.
- 63/1.3. **Reseda lutea** (Wild Mignonette)(Melengu Wylt Ddi-sawr). 10+ plants, Rogiet Country Park, ST454 874(N), T.G.Evans, 2010. New tetrad.
- ⊕74/5.15. **Saxifraga granulata** (Meadow Saxifrage)(Tormaen y Gweunydd). 10 plants, E side of Honddu, SO335.227(G), S.J.Tyler, 2010. Update from 1988.
- 74/5.15. **Saxifraga granulata** (Meadow Saxifrage)(Tormaen y Gweunydd). 10 plants by Monnow, near Altyrynys rail bridge, SO343.236(L), S.J.Tyler, 2010. Update from 1988.
- +74/8.1. **Tellima grandiflora** (Fringecups)(Clychau'r Clawdd). Naturalised by Afon Llwyd, near Llantarnam Abbey, ST313.932(B), K.Roberts, 2010, det. S.J.Tyler & T.G.Evans. 2nd record.
- 74/9.2. **Chrysosplenium alternifolium** (Alternate-leaved Golden-saxifrage)(Eglyn Bob yn Eilddail). 3-5 patches down river from old bridge on old road, Maerdy, SO370.248 (S), new tetrad; 1 patch on stream bank in wood, N of Loysey/Wet Meadow Wood, SO487.073(Y), new tetrad; +Just upstream of road bridge, Black/Norton Brook, Nr Skenfrith, SO452.203(K); 3 patches in garden, by Angidy, Chapel Hill, SO521.003(F), new tetrad; all S.J.Tyler, 2010.
- 75/13.1. **Geum rivale** (Water Avens)(Mapgoll Glan y Dwr). 1 patch on left bank, Grwyne Fawr stream, Coed Dias, SO2744.2440(S), T.G.Evans, S.A.Rippin & C.Titcombe, 2010. New tetrad.
- 75/17.3.a. **Poterium sanguisorba** ssp. **sanguisorba** (Salad Burnet)(Bwrned). Numerous plants on E verge of A4046, at a junction with road from N Cwm, SO1807.0609(Y), new tetrad; Numerous plants on E verge of A4046, NNW of Cwm, SO1848.0544X to 1831.0572(X), new tetrad; Numerous plants on E verge of A4046, S of Tallistown, SO1888.0447(X), new tetrad; all P.Burgess & later T.G.Evans. 2010.

- +75/19.14. **Alchemilla glabra** (Smooth Lady's-mantle)(Mantell-Fair Lefn). 1 plant, E side A467, Nantyglo, SO1921.1034(V), C.Titcombe, 2010, det. T.G.Evans.
- ⊕#75/32.21. **Cotoneaster horizontalis** (Wall Cotoneaster)(Cotoneaster Asgwrn). On stony bank by Electric sub-station, SW of Hunger Pill, ST537.904, T.G.Evans, 2010. Update to this millennium.
- +75/35.8. **Crataegus laevigata** (Midland Hawthorn)(Draenen Wen Lefn). #1 bush in lane boundary hedge, SW corner, Bourne Wood, opposite the Yew Tree, SO457.088(P); #1 bush, Dingestow Court West Lodge, SO447.096(P); both S.D.S.Bosanquet, 2010.
- +#77/2.1. **Galega officinalis** (Goat's-rue)(Nuw'r Geifr). 5 pl. in tallish weeds, in Sluice House Farm barn area, S of B4239, ST252.792(P), T.G.Evans & C.Titcombe, 2010.
- 77/4.4. **Astragalus glycyphyllos** (Wild Liquorice)(Llaethwyg Licoris). 20 plants in Heston Brake long barrow, Portskewett, ST5052.8866(E), T.G.Evans, 2010. In a small area around the standing stones and ones appearing to form a grave were 57 taxa including numbers of *Geranium pusillum*, *Pimpinella saxifraga*, *Ononis repens*, *Convolvulus arvensis*, *Hyacinthoides non-scripta* & *Tragopogon pratensis* ssp. *minor*. Later when TGE, with a list of plants, returned to congratulate the owner for his care of the site his horses were grazing it and he informed me he had cut down all the white flowered umbellifer. With so few unimproved sites left in SE v.c. 35, where it was so common in the past, the slaughter of the *Pimpinella* to me was a tragedy. As for the other plants, I can only hope he has learnt from my notes. There is only one other possible v.c. site, MOD Caerwent, for the liquorice and that was down to one plant last time I was able to visit it.
- 77/7.1.a. **Anthyllis vulneraria** ssp. **vulneraria** (Kidney Vetch)(Plucen Felen). Many plants on E side of A4046, S of Tallistown, SO1888.0447(X), T.G.Evans; Many plants on E side of A4046, NNW of Cwm, SO1848.0544(X) to 1831.0572(X), P.Sturgess for C.Pooley, new tetrad; Many plants on road junction, with road from Cwm, SO1807.0609(Y), P.Sturgess for C.Pooley, new tetrad; ⊕Large patches scattered around Newport Docks Admin. Building, ST318.856, R.James, update to this millennium; all 2010
- +77/14.01. **Vicia orobus** (Wood Bitter-vetch)(Ffacbysen Chwerw). +85+ plants on E side of A467, between Nantyglo & Blaina, between SO192.099 & 194.091(Z); c.5 plants W side of A467 at top of wooded slope, between Nantyglo & Blaina, SO193.094(Z), 1 plant c.30m N of roundabout, between Nantyglo & Blaina, SO198.082(Z); +c.10 plants just S of footbridge E side of A467, between Nantyglo & Blaina, SO192.104(V), all P.Sturgess, 2010. As there were no previous records in these tetrads or nearby tetrads human intervention may be responsible; +Abundant in sloping meadow SSSI, few displaying flowers in grazed area where horses were exercised, Ty'r-hen-forwyn, Cefncrib, ST2364.9976(J), T.G.Evans, C.Titcombe & C.Hatch, 2010. In the SW corner in a horse-free area fenced off, the plants were flowering freely but were being encroached on by invasive and woody plants that needed to be zapped; +10 plants, Hartridge Meadows, ST360.880(U), R.James, 2010, det. D.Green.
- 77/16.3. **Ononis spinosa** (Spiny Restharrow)(Tagaradr Pigog). Hartridge Meadows, ST360.880(U), R.James, 2010. New tetrad.
- 77/16.4. **Ononis repens** (Common Restharrow)(Tagaradr). Grassland, near Penishaplwyd, SO353.231(L), S.J.Tyler, 2010. New tetrad.

- 77/19.24. **Trifolium squamosum** (Sea Clover)(Meillionen y Morfa). 10+ plants on N side of sea wall, S of Hunger Pill, Mouth of Wye, ST5396.9066(F) & 5349.9025, T.G.Evans, 2010. New tetrad.
- †91/2.10. **Euphorbia exigua** (Dwarf Spurge)(Corlaethlys). Treowen, SO466.116(Q), S.J.Tyler, 2010. Associated plants *Stachys arvensis*, *Chenopodium polyspermum*, c.20 *Oenothera biennis*. This weed now seems to be confined in small numbers to this N region of v.c.35.
- +103/1.7. **Geranium pratense** (Meadow Crane's-bill)(Pig-yr-aran y Weirglodd). 2 plants on bank of W verge, A4046 near roundabout, Victoria, SO1708.0745(T), T.G.Evans, 2010.
- 103/1.10. **Geranium columbinum** (Long-stalked Crane's-bill)(Pig-yr-aran Hirgoes). Several plants, Rogiet Country Park, ST4548.8747(N), T.G.Evans, 2010. New tetrad.
- +‡103/1.14. **Geranium pyrenaicum** (Hedgerow Crane's-bill)(Pig-yr-aran y Gwrych). Several plants on roadside bank, Furnace farm, SO515.002(A), T.G.Evans, 2010.
- +107/10.1. **Smyrniolum olusatrum** (Alexanders)(Dulys), Linear patches between foot of hedge and footpath, E verge of A466 link road, Chepstow, ST533.919(F), T.G.Evans, 2010.
- 107/17.1. **Crithmum maritimum** (Rock Samphire)(Corn-carw'r Môr). 1 plant among anti-erosion stone blocks on edge of brackish grassland bank, Rumney Great Wharf, ST2403.7807(P), T.G.Evans & C.Titcombe, 2010. New tetrad.
- +107/19.3. **Oenanthe pimpinelloides** (Corky-fruited Water-dropwort)(Cegiden Mynwy). Population increased by 11 to 36 from 2009 in Vauxhall meadows, Monmouth, SO5061.1345(B), P.Johns & T.G.Evans; +c.50 plants (5×2m) semi-improved grassland, adjacent to B4239 opposite entrance to Long Meadow Farm, ST2658.8072(Q), new tetrad; +Scattered plants in meadow, Clifton Court, ST3742.8295(R), new tetrad; +Dense population in meadow, Clifton Court, ST3745.8270(R), new tetrad; +Meadow, Clifton Court, ST3755.8283(R), new tetrad; +1 plant in meadow, Clifton Court, ST3759.8267(R); all J.P.Woodman, 2010. This is a remarkable increase for v.c.35.
- 107/40.1. **Pastinaca sativa** (Wild Parsnip)(Panasen Wyllt). ‡Many plants on verge of A4046, at junction with road from N Cwm, SO1807.0609(Y), P.Burgess & later T.G.Evans. 2010. New tetrad.
- +107/43.3. **Torilis nodosa** (Knotted Hedge-parsley)(Troed-y-cyw Clymog). 3 plants on E verge of A4046, S of Tallistown, SO1888.0447(X), T.G.Evans, 2010. All other records confined to coastland, another sign of human intervention of the verges of this road.
- 107/44.1.a. **Daucus carota** ssp. **carota** (Wild Carrot)(Moronen y Maes). Many plants on E verge of A4046, at junction of road from N Cwm, SO1807.0609(Y), P.Burgess & T.G.Evans. 2010. New tetrad.
- 108/5.4.a. **Gentianella amarella** ssp. **amarella** (Autumn Gentian)(Crwynllys yr Hydref). 170 plants scattered along main E/W FC track edges, The Minnetts wood, N of Rogiet, ST45.89(P), T.G.Evans, 2010. 1st record this millennium.
- ‡110/9.1. **Datura stramonium** (Thorn-apple)(Afal Dreiniog). Several plants in garden, Long Wait, Mathern, ST517.917(A), K.C.Jones & T.G.Evans, 2010. New tetrad.
- ©110/9.fer. **Datura ferox** (Angel's-trumpets)(Utgyrn yr Angylion). 3 plants in garden, Long Wait, Mathern, ST518.918(A), K.C.Jones & T.G.Evans, 2010. 1st recorded here 2001, then 2006 now 2010 showing persistence and seed viability.

- ⊗‡115/1.1. **Phacelia tanacetifolia** (Phacelia)(Ffaselia). Several plants in grass, Penygarn Farm, Penallt, SO51.09(E), Mrs Gleed, 2010, det. S.J.Tyler. 1st record as a neophyte.
- +119/1.1. **Hippuris vulgaris** (Mare's-tail)(Rhawn y Gaseg). In pond, Penishaplwyd Farm, SO345.229(L), S.J.Tyler, 2010.
- ⊗125/1.1. **Lathraea squamaria** (Toothwort)(Deintlys). Several plants around an Ash tree, Bishop's Barnets, Chepstow, ST520.943(H), T.G.Evans, 2010. Update to this millennium.
- *‡129/1.10. **Campanula poscharskyana** (Trailing Bellflower)(Clychlys Ymlusgol). 1 patch in waste ground, SW verge of B4248, Waun Afon, SO2212.1083(F), C.Hatch & T.G.Evans. 2010. 1st published record but see also *Flora of Monmouthshire* (2007).
- 129/1.11. **Campanula latifolia** (Giant Bellflower)(Clychlys Mawr). Abundant where Bargain Wood comes close to the river, SSE of Llandogo, SO527.034(G); 1 clump on bank of R. Wye, Llandogo, SO5365.0444(H); both C.Titcombe, 2010. New tetrads.
- +134/5.1. **Scabiosa columbaria** (Small Scabious)(Clafrillys Bach). +Numerous on E verge of A4046, S of Tallistown, SO1888.0447(X), T.G.Evans; Numerous on E verge of A4046, at road junction with one from Cwm, SO1831.0572; both P.Sturgess, 2010. The only other sites of this declining plant are in the SE corner of v.c.35. Not on A4046 verges before 1990. See also 135/11.1.
- +‡135.46.3×4, **Aster ×versicolor (A. laevis × A. novi-belgii)** (Late Michaelmas-daisy) (Blodyn-Mihangel Diweddar). 1 clump on bank of R. Wye, Llandogo, SO503.044(H), T.G.Evans & C.Titcombe, 2010.
- 135/6.1. **Cirsium eriophorum** (Woolly Thistle)(Ysgallen Wlanog). 20 plants on outside edge of Ifton Great Wood, ST4562.8874(P), T.G.Evans, 2010. 1st entry for tetrad this millennium.
- †135/7.1. **Onopordon acanthium** (Cotton Thistle)(Ysgallen Gotwm). 4 plants in meadow near R., Llanwenarth, SO2706.1464(S), T.G.Evans & C.Titcombe, 2010. 1 more plant than 2003 in the ?only v.c. site.
- +135/11.1. **Centaurea scabiosa** (Greater Knapweed)(Y Bengaled Fawr). E verge of A4046, S of Tallistown, SO1888.0447(X); NNW of Cwm, SO1848.0544 to 1831.0572 (X); Road junction coming from, N Cwm, SO1807.0609(Y); all P.Burgess, later T.G.Evans, 2010. No previous records N of 20 latitude line in v.c.35. These plants make a colourful display with many other plants.
- ⊕135/35.3. **Inula conyzae** (Ploughman's-spikenard)(Meddyg y Bugail). 1 plant on W bank of A 4046 W of roundabout, S of Victoria, SO1708.0745(T), T.G.Evans, 2010. Update to this millennium.
- +‡135/40.4. **Solidago gigantea** (Early Goldenrod)(Eurwialen Gynnar). 1 clump on bank of R. Wye, Llandogo, SO533.042(H), T.G.Evans & C.Titcombe, 2010.
- 135/43.6. **Erigeron acris** (Blue Fleabane)(Amrhydlyd Glas). Scattered plants, around Newport Docks, ST318.856(C), R.James, new tetrad; Several plants on E verge of A4046, S of Tallistown, SO1888.0447(X), T.G.Evans, new tetrad; both 2010
- +©135/GUI.aby. **Guizotia abyssinica** (Niger)(Guizotia). 3 plants under apple tree where wild bird seed (Mincost) is scattered in garden, La Cuesta, Chepstow, ST52.93(G), T.G.Evans, 2010.
- ⊗151/1.11. **Juncus subnodulosus** (Blunt-flowered Rush)(Brwynen Flaendon). 100s

- spreading over this Underwood-Llanmartin SSSI, ST385.895(Z), T.G.Evans, 2010. Update to this millennium. It is nice to report sympathetic management by an owner that has allowed the spread of this marsh and occupants *Cirsium dissectum*, *Carex disticha*, *C. hostiana*, *Epipactis palustris*, *Gymnadenia conopsea*, *Oenanthe fistulosa*, *Pedicularis palustris*, *Triglochin palustre* & *Dactylorhiza incarnata*.
- 152/16.41. **Carex distans** (Distant Sedge)(Hesgen Blodau Pell). No sign of the 10 plants recorded yearly up to this one on the brackish grassland E of Sutton Farm, ST3024.8173 (A); the cattle seemed to be stationed on this grassland permanently. This was the last known v.c.35 site for this sedge.
- ⊕152/16.43. **Carex extensa** (Long-bracted Sedge)(Hesgen-yr-heli Bractau Hir). ⊕20-30 plants in stony saltmarsh, S of Maerdy Farm, ST233.777(I), T.G.Evans & C.Titcombe, update from 2001; 10 plants in saltmarsh, Caldicot Pill, ST488.871(Y), T.G.Evans, new tetrad; both 2010.
- 152/16.55. **Carex pilulifera** (Pill Sedge)(Hesgen Bengron). c.10 plants in sloping field adjacent to N side of road leading to, Panta Farm, ST496.998(Z), T.G.Evans & S.J.Tyler, 2010. New tetrad.
- ⊗152/9.1. **Eleogiton fluitans** (Floating Club-rush)(Clwbfrwynen Arnofiol). In 2 ponds, Chepstow Park Wood, ST485.979(Y) & ST485.981(Z), D.Green & S.J.Tyler, 2010. 1st recent record.
- 153.26.1. **Avenula pubescens** (Downy Oat-grass)(Ceirchwellt Blewog). Frequent in pasture/meadow, immediately S of Cleddon Hall, SO517.041(C), S.J.Tyler, 2010. New tetrad.
- ⊗153/18.09. **Poa compressa** (Flattened Meadow-grass)(Gweunwellt Cywasgedig). 17 plants at edge of concrete path, S side M4, Caldicot Pill, ST48.87(Y), T.G.Evans, 2010. Now considered a native in v.c.35. Update to this millennium.
- ⊕153/40.1. **Calamagrostis epigejos** (Wood Small-reed)(Corsen Fach y Coed). 1 tuft in Rogiet Country Park, ST453.874(N), new tetrad & update to this millennium; Less than 10 plants at W end of main W/E FC on track near barrier, all that is left of an extensive linear colony along this track, Slade Wood, ST450.893(P); both T.G.Evans, 2010. A grass becoming scarcer in v.c.
- ⊗©153/46.1. **Polypogon monspeliensis** (Annual Beard-grass)(Barfwellt Unflwydd). Landfill site, near Lamby Way, ST2198.7832(E), J.P.Woodman, 2010. 1st recent record even though casual only.
- 153/59.5. **Hordeum marinum** (Sea Barley)(Haidd y Morfa). 1 plant on an over-grazed, Rumney Great Wharf covered with cow pats, ST247.786(P), T.G.Evans & C.Titcombe; 2,000 tufts in outer half of brackish grass strip away from sea wall, Rumney Great Wharf, ST2468.7852(P) & eastwards, S.J.Woodman & S.Westwood; 300 plants in outer half of brackish grass strip away from sea wall, Rumney Wharf, ST2500.7874(P), T.G.Evans & S.J.Tyler; c.1000 plants in outer half of brackish grass strip away from sea wall, Rumney Great Wharf, ST2468.7852(P), T.G.Evans & S.J.Tyler; Total with scattered plants c.2000, all in outer half of brackish grass strip away from sea wall, Updating to this millennium; In 1991 TGE recorded thousands (probably 10,000 mainly in the sea wall half); 30 plants at least 1/3 of the way along brackish grassland from, Sutton Farm towards W Usk Lighthouse close to estuary edge of turf, SO30628203(B) & 50 plants at SO3065.8203(B), T.G.Evans; 3 plants at foot of sea wall, near Sutton

- House, SO3015.8170(A), J.P.Woodman. This stretch of brackish grassland has suffered from cattle on it for far too long during the summer season; all 2010
- 158/12.2. **Lilium pyrenaicum** (Pyrenean Lily)(Lili Ddrewllyd). 1 plant at edge of path between wood and garden, Holmfield, Llandogo, SO5290.0443(H), T.G.Evans & C.Titcombe, 2010. New tetrad.
- 158/14.1. **Polygonatum multiflorum** (Solomon's-seal)(Llyisiau-Solomon). Just off path, in Fedw Wood, ST5052.9847(E), T.G.Evans, 2010. Update to this millennium.
- 158/17.1. **Paris quadrifolia** (Herb-Paris)(Cwlwm Cariad). 30-40 plants with the longest peduncles I've seen on Paris, close to N edge of stream in S end of Great Triley Wood, SO310.180(E), T.G.Evans & C.Titcombe, 2010.
- *‡158/25.1. **Nectaroscordum siculum** (Honey Garlic)(Garlleg y Mêl). 3 plants at edge of path between wood and garden, Holmfield, Llandogo, SO5290.9443(H), T.G.Evans & C.Titcombe, 2010.
- 158/33.5.a. **Narcissus pseudonarcissus** ssp. **pseudonarcissus** (Daffodil)(Cenhinen-Beidr Wylt). c.500 plants above Mill House, Whitebrook, SO515.073(D), new tetrad; c.500 plants along road verge, N side B4521, W of Walson, Skenfrith, SO431.194(J) to 435.196(J), new tetrad, very close to where TGE recorded 1000 in 2002; both S.J.Tyler, 2010.
- +159/5.08. **Iris foetidissima** (Stinking Iris)(Gellesgen Ddrewllyd). 2 plants at base of wall near entrance to graveyard in field just N of River Wye, Llandogo, SO5263.0410(H), C.Titcombe & T.G.Evans, 2010.
- Ø162/2.2. **Cephalanthera longifolia** (Narrow-leaved Helleborine)(Y Galdrist Gulddail). Search of Blackcliff Wood, ST532982(J), failed to find a trace of the orchid. Regular searches have been made since 1979 when the last plant in v.c.35 was destroyed by an ivy-clad tree falling on it. It must be assumed the orchid is now extinct here.
- 162/3.4. **Epipactis helleborine** (Broad-leaved Helleborine)(Y Galdrist Lydanddail). 4 plants in Local Nature Park, Pilton Vale, Malpas, ST311.907(A), R.James; new tetrad; 1 plant in garden, Moynes Cottage, Mathern, ST519.909, P.Morton & T.A.Jacks, new tetrad; both 2010
- 162/7.1. **Spiranthes spiralis** (Autumn Lady's-tresses)(Troellig yr Hydref). 5 plants in lawn, La Cuesta, Chepstow, ST52.93, T.G.Evans, 2010. No plants in 2009.
- ⊕162/13.1. **Platanthera chlorantha** (Greater Butterfly-orchid)(Tegeirian Llydanwyrdd). 36 flowering spikes on grassy bank, N of Bettws, ST284.918, R.James, 2010. Update from 1997.
- 162/13.2. **Platanthera bifolia** (Lesser Butterfly-orchid)(Tegeirian Llydanwyrdd Bach). 6 flowering plants, 1 more with 2 oval-elliptic leaves but no flowers, Hardwick Plantation, ST452.896, T.G.Evans, 2010. Only v.c. site.
- 1 +162/14.1. **Anacamptis pyramidalis** (Pyramidal Orchid)(Tegeirian Bera). 2 flowering stems by Electric Sub-station, S of Newhouse Industrial Estate, Bulwark, ST537.904(F), T.G.Evans, 3 plants of *Ophrys apifera* also present, 1st recorded 2000; +2 plants in verge, Blaenavon Road, Pontnewydd, SO27.01(Q), C.Titcombe & C.Hatch; 1 plant in Lysaghts site, Newport, ST327.869(I), R.James, new tetrad; 1 plant, Hartridge Meadows, ST360.880(U), R.James, new tetrad; 1 plant, Broadstone Farm, Catbrook, SO508.031(B), S.J.Tyler, new tetrad; all 2010.
- Ø162/15.1. **Pseudorchis albida** (Small-white Orchid)(Tegeirian Bach Gwyn). S.Rippin,

- C.Titcombe and T.G.Evans searched the four likely fields around SO275244, Coed-dias Farm (where it was last recorded by A.Ley and then C.T.&E.Vachell) without success on 22/5/2010. so v.c. extinction is a probability.
- +162/18.4. **Dactylorhiza praetermissa** (Southern Marsh-orchid)(Tegeirian-y-gors Deheuol). +1 plant in Glebelands, Newport, ST318.903(A); 1 plant in Local Nature Park, Pilton Vale, Malpas, ST311.907(A); both R.James, 2010.
- +162/23.3. **Ophrys apifera** (Bee Orchid)(Tegeirian y Wenynen). 2 plants in fruit in rough grass, E side of road near entrance to Blaenavon Railway Museum, SO2363.0955(J), C.Hatch, T.G.Evans & C.Titcombe; 1 plant at head of, Blaenserchan valley, SO238.025 (G), C.Hatch; 1 plant, Broadstone Farm, Catbrook, SO508.031(B), S.J.Tyler; both 2010.

GLAMORGAN, v.c. 41 (comm. J.P.Woodman & B.Stewart)

- 7/1.1. **Cryptogramma crispa** (Parsley Fern)(Rhedynen Bersli). Growing among rocks in a disused forestry commission quarry, Nant Rhydfelen and adjacent forestry, SN94660.02137, M.Evans, 2010. Included as rare & declining in Glamorgan and this is new site.
- +11/1.1×2. **Polypodium ×mantoniae** (**P. vulgare** × **P. interjectum**) (a hybrid polypody). Growing prolifically from wall on N side of road, Cwmbach Road, Swansea, SS623.951, B.Stewart, 2010. Confirmed microscopically.
- +17/3.8. **Dryopteris carthusiana** (Narrow Buckler-Fern)(Marchredynen Gul). Occasional in mire around pond N of railway, Brig-y-Cwm pond, SO0860.0615, B.Stewart, 2010.
- +26/2.1. **Nuphar lutea** (Yellow Water-lily)(Lili'r-dwr Felen). †Vigorous growth in one pond and lake. Cyfartha Park, Merthyr Tydfil, SO041.073, J.N.Davies, 2010.
- +28/13.22. **Ranunculus trichophyllus** (Thread-leaved Water-crowfoot)(Crafanc-y-frân Feinddail). Locally frequent in two small ponds, BP Baglan (mitigation area). SS726.918, B.Stewart, 2010.
- +30/2.1. **Meconopsis cambrica** (Welsh Poppy)(Pabi Cymreig). Occasional in woodland, Heol Caradoc, Penywaun, SN9813.0442, B.Stewart, 2010.
- ⊕+30/5.1. **Chelidonium majus** (Greater Celandine)(Llysiau'r Wennol). Occasional in shale substrate (80% bare spoil), Heol Caradoc, Penywaun (spoil and waste), SN9817.0444, B.Stewart, 2010.
- +31/5.3. **Fumaria bastardii** (Tall Ramping-fumitory)(Mwg-y-ddaeear Grymus). Occasional in field ploughed earlier in year, regrowth dominated by *Sisymbrium officinale*, Cefn-bychan, SS544.951, B.Stewart, 2010.
- +31/5.5. **Fumaria muralis** (Common Ramping-fumitory)(Mwg-y-ddaeear Amrywiol). Locally frequent in tipping area, Atlantic Trading Estate (Unit 13A), ST132.674, B.Stewart, 2010.
- +39/4.5×6. **Quercus ×rosacea** (**Q. petraea** × **Q. robur**) (a hybrid oak). +Occasional hedgerow trees, Seven Sisters (S of Tan-y-Rhiw), SN821.088, B.Stewart & M.Hipkin; +Rare in W hedge, 52 Caswell Road (rear), Newton, SS6013.8794, B.Stewart; +Occasional in field, adjacent to Nant Melyn, Coedely, ST021.867, B.Stewart; all 2010.
- +40/1.1. **Betula pendula** (Silver Birch)(Bedwen Arian). Rare in South Pilton Farm, SS4432.8678, B.Stewart & S.Musgrave, 2010.

- +40/1.2. **Betula pubescens** (Downy Birch)(Bedwen Lwyd). Occasional in Atlantic Trading Estate, ST136.676, B.Stewart, 2010.
- *43/3.3×4. **Atriplex ×taschereaui** (**A. glabriuscula** × **A. longipes**). (Taschereau's Orache). Frequent along bank of Thaw River and edge of salt marsh, Aberthaw power Station, ST029.673, J.P.Woodman; +Occasional on saltmarsh edge, banks of River Rumney, ST208.787, J.P.Woodman, conf. A.O.Chater; both 2010. 1st Welsh records.
- +43/6.3. **Salicornia europaea** (Common Glasswort)(Llyrllys Cyffredin). Occasional to frequent along muddy river banks, River Thaw, Aberthaw power Station, ST0299.6731; +50-100 plants along tidal muddy river bank, River Rumney, Pengam, ST2188.7733; both J.P.Woodman, 2010.
- +43/6.7. **Salicornia dolichostachya** (Long-spiked Glasswort)(Llyrllys Canghennog). Locally frequent in gap between pier and jetty, Port Talbot Breakwater (N), SS750.885, B.Stewart; +50-100 plants along tidal muddy river bank, River Rumney, Pengam, ST2210.7728, J.P.Woodman; both 2010.
- +46/5.4. **Stellaria neglecta** (Greater Chickweed)(Gwlyddyn-y-dom Mawr). Occasional on right hand river bank, River Loughor, Sychnant Farm, SN6010.0707, B.Stewart, 2010. Identified as var. *elizabethii* on BSBI field meeting [AOC, JP, RDP, etc.].
- *46/7.7.b. **Cerastium fontanum** ssp. **holosteoides** (Common Mouse-ear)(Clust-y-llygoden Gulddail). Taf Fechan Valley (NW), SO04.09, R.&H.Perry, 2010. 1st published Welsh record for ssp.
- +46/7.12. **Cerastium semidecandrum** (Little Mouse-ear)(Clust-y-llygoden Fach). Rare at Plas Newydd, Grovesend, SN592005, B.Stewart, 2010.
- +46/10.8. **Sagina maritima** (Sea Pearlwort)(Corwlyddyn Arfor). Occasional, Port Talbot Breakwater (N), SS746.885, B.Stewart, 2010.
- +46/17.4. **Spergularia rubra** (Sand Spurrey)(Troellig Arfor Coch). Rare on right hand river bank, River Loughor, Sychnant Farm, SN6010.0707, B.Stewart, 2010.
- ⊕47/1.6. **Persicaria bistorta** (Common Bistort)(Llyisiau'r Leidr). Several plants on grassy bank, Penyard Road, Merthyr Tydfil, SO051.067, J.N.Davies, 2010.
- +47/3.1. **Fagopyrum esculentum** (Buckwheat)(Gwenith yr Hydd). 36 Pencaerwn Road, Gorseinon, SS584.994, B.Stewart, 2010. Presumed bird seed alien.
- +47/4.2.a. **Polygonum oxyspermum** ssp. **raii** (Ray's Knotgrass)(Canclwm Ray). Locally frequent, Baglan Burrows, SS7253.9232, B.Stewart & C.R.Hipkin, 2010.
- ⊕47/5.3. **Fallopia baldschuanica** (Russian-vine)(Clymog Rwsia). ⊕Well-established in hedgerow on north side of road. Clasemont Road, Morriston, SS652.988; +Locally abundant in lane, between Birch Walk and The Burrows, Newton, SS8398.7742; both B.Stewart, 2010.
- *47/8.13×14. **Rumex ×schulzei** (**R. crispus** × **R. conglomeratus**) (a hybrid dock). Landscaped grounds, Cardiff Athletics Stadium, ST15.75, G.Kitchener, 2010.
- ⊕47/8.13×19. **Rumex ×pratensis** (**R. crispus** × **R. obtusifolius**) (Meadow Dock). 1 plant with parents nearby in landscaped grounds, Cardiff Athletics Stadium, ST15.75, G.Kitchener, 2010.
- +48/1.1. **Limonium vulgare** (Common Sea-lavender)(Lafant-y-môr). Locally frequent in headland, S of Yellow Top, SS4396.8571, B.Stewart & G.H.Jones, 2010.
- +53/1.1. **Malva moschata** (Musk-mallow)(Hocysen Fwsg). Occasional in shale substrate (80% bare spoil), Heol Caradoc, Penywaun, SN9817.0444, B.Stewart, 2010.

- ⊗†61/2.4.hof. **Salix triandra** var. **hoffmanniana** (Almond Willow)(Helygen Dribrigerog). Small tree (3m) on right hand riverbank, River Loughor, Sychnant Farm, SN6016.0724, BSBI Meeting, 2010, det. A.O.Chater. 1st recently published record of var.
- +61/2.5. **Salix purpurea** (Purple Willow)(Helygen Gochlas). Occasional in railway sidings, Corus sidings N of Heolcae'r-bont, SS78.5858, B.Stewart, 2010.
- +61/2.10×11. **Salix ×reichardtii** (**S. caprea** × **S. cinerea**) (a hybrid willow). Occasional in lane hedgerow, Trefelin, Trecynon, SN992.040; +Rare along railway lines, Brig-y-Cwm, SO080.061; both B.Stewart, 2010.
- +‡62/11.4. **Barbarea verna** (American Winter-cress)(Berwr-y-gaeaf cynnar). Rare along Gwynfe Road, SS576.991, B.Stewart, 2010.
- ⊖62/12.3. **Rorippa islandica** (Northern Yellow-cress)(Berwr Melyn Gogleddol). Frequent on right hand riverbank, River Loughor, Sychnant Farm, SN6014.0678, B.Stewart. BSBI field meeting [AOC, JP, RDP, etc.]; ⊖Rare on shale substrate (80% bare spoil), Heol Caradoc, Penywaun, SN9817.0444, B.Stewart; ⊖c.20 plants along track, Breigam, near Bridgend, SS9897.7922, J.P.Woodman; ⊖5 plants along track, Cog Moors sewage works, ST1577.6957, J.P.Woodman; all 2010; ⊖⊙Pavement weed, Heol Llanishen fach, Rhiwbina, ST1639.8190, T.C.G.Rich, 2009. Single plant, did not persist.
- +62/30.6. **Lepidium latifolium** (Dittander)(Pupurlys Llydanddail). †1×1m clump on roadside, northbound A470, N of Coryton, ST1325.8193, J.P.Woodman, 2010.
- +‡62/34.2. **Brassica napus** (Rape)(Rêp). +Rare in tipping area, Notthill caravan park, SS5383.8849; ⊕Rare in Tyla Coch Quarry, Llanharry, ST013.807; both B.Stewart, 2010.
- +62/34.5. **Brassica nigra** (Black Mustard)(Mwstard Du). Rare in spoil and waste, Heol Caradoc, Penywaun, SN9817.0444, B.Stewart, 2010.
- ⊕†62/35.2. **Sinapis alba** (White Mustard)(Mwstard Gwyn). Rare in tipping area, Atlantic Trading Estate (Unit 13A), ST132.674, B.Stewart, 2010.
- +‡62/8.1. **Hesperis matronalis** (Dame's-violet)(Croes yr Hwyr). River banks, River Ely, Cardiff from St Fagans (Level Crossing) to A4232, ST114.766, R.&L.Nottage, 2010.
- ⊕‡63/1.2. **Reseda alba** (White Mignonette)(Melengu Wen). Few established plants in rough ground by roadside, Pengam, Cardiff, ST2179.7731, J.P.Woodman, 2010.
- +66/1.1. **Pyrola minor** (Common Wintergreen)(Glesyn-y-gaeaf Bach). End pine plantation, Whiteford Burrows, SS4495.9613, C.Gryniewicz, 2010.
- +66/1.3.b. **Pyrola rotundifolia** ssp. **maritima** (Round-leaved Wintergreen)(Glesyn-y-gaeaf Deilgrwn). Small patch with 4 flowering spikes growing with *Salix cinerea* at side of Forestry Road near Wind Farm, Pelenna Forest, SN833.973, C.R.&H.Hipkin, 2010.
- +69/1.1×3. **Primula ×polyantha** (**P. vulgaris** × **P. veris**) (False Oxlip)(Briallen Groesryw). †Rare on north-facing grassland slope, Cwm Ivy Tor, SS436.939, B.Stewart & V.Shenston, 2010.
- 69/6.2.a.azu, **Anagallis arvensis** ssp. **arvensis** f. **azurea** (Scarlet Pimpernel azure form) (Llyisiau'r cryman). Only one blue-flowered plant noted in an arable field full of red-flowered plants. Cefn-bychan (field to NW), SS543.952, B.Stewart, 2010.
- 69/6.2.a.lil, **Anagallis arvensis** ssp. **arvensis** f. **lilacina** (Scarlet Pimpernel lilac form) (Llyisiau'r cryman). Rare in brown field with shale substrate (80% bare spoil), Heol Caradoc, Penywaun, SN9817.0444, B.Stewart, 2010.

- +73/5.12. **Sedum acre** (Biting Stonecrop)(Briweg Boeth). A few tufts on regraded coal measure shales, Trago Mills, Merthyr Tydfil, SO033.065, J.N.Davies, 2010.
- +†73/5.14. **Sedum album** (White Stonecrop)(Briweg Wen). Rare, Port Talbot Docks (Margam Wharf). SS769.888, B.Stewart, 2010.
- +†73/5.7. **Sedum spurium** (Caucasian-stonecrop)(Briweg y Cawcasws). Rare, BP Baglan (Street 19 / NW of Rd No.3), SS734.923, B.Stewart, 2010.
- ⊗75/9.13×14. **Potentilla** ×**suberecta** (**P. erecta** × **P. anglica**) (a hybrid cinquefoil). Occasional along railway line, Brig-y-Cwm, SO086.061, B.Stewart, 2010. occasional. 1st recent record.
- +75/15.2. **Agrimonia procera** (Fragrant Agrimony)(Llysiâu'r-dryw Pêr). Rare S of Pitt Farm, SS492.870, B.Stewart, 2010.
- +†75/17.3.b. **Poterium sanguisorba** ssp. **balearicum** (Fodder Burnet)(Bwrned Ebran). Locally frequent, Banwen Pyrddin, SN8659.0919; +Occasional, Brunel Dock slipway/landing stage, SS733.934, det. C.R.Hipkin; ; both B.Stewart, 2010
- +75/20.1. **Aphanes arvensis** (Parsley-piert)(Troed y Dryw). W field dune interface, Margam Moors, SS778.844, B.Stewart, 2010. Locally frequent – many plants of intermediate form between *arvensis* and *australis* (most frequent along track and around feeding troughs).
- +75/21.5. **Rosa spinosissima** (Burnet Rose)(Rhosyn Bwrned). Rare in, BP Baglan (S sect. between NE part of Helios Dr and Rd No.1), SS740.920, B.Stewart, 2010.
- +75/22.11. **Prunus padus** (Bird Cherry)(Coeden Geirios yr Adar). Rare in, Kilvrough Woods, SS553.891, B.&S.J.Stewart, 2010.
- +†75/28.7. **Sorbus intermedia** (Swedish Whitebeam)(Cerddinen Sweden). A good scattering of new plants (seedlings) from trees planted ten years ago. Dowlais, SO069.075, J.N.Davies, 2010.
- + 75/28/dom. **Sorbus domestica** (Service-tree)(Cerddinen Morgannwg). Single bush on cliff face, Lavernock Trust Reserve, ST1787.6776, J.P.Curtis, 2010.
- +†75/32.33. **Cotoneaster simonsii** (Himalayan Cotoneaster)(Cotoneaster Simons). +Rare in Maesgwyn, SN875.087; +Rare in BP Baglan (S sect. between NE part of Helios Dr and Rd No.1), SS740.920; both B.Stewart, 2010.
- +†75/32.35. **Cotoneaster rehderi** (Bullate Cotoneaster)(Cotoneaster Deilgrych Rehder). Shrub on Foel Fynyddau, SS792.942, C.R.&H.Hipkin, 2010.
- +†77/2.1. **Galega officinalis** (Goat's-rue)(Nuw'r Geifr), Rare in quarry, Tyla Coch Quarry, Llanharry, ST0153.8074, B.Stewart, 2010.
- +77/6.1. **Onobrychis viciifolia** (Sainfoin)(Y Godog), +†Road parallel with A465, nr Dowlais, SO079.084, B.Stewart; ⊕†Scattered on dry grassland S of station, Rhoose, ST06.66, R.&L.Nottage; both 2010.
- +77/7.1. **Anthyllis vulneraria** (Kidney Vetch)(Plucen Felen). +Abundant on some of the tips, Llwydcoed Brickworks Tips, SN9980.0470, M.Evans; +†Probably from wild flower seed mix used in nearby road verge, Trago Mills, Merthyr Tydfil, SO033.065, J.N.Davies; both 2010.
- +77/14.1. **Vicia orobus** (Wood Bitter-vetch)(Ffacbysen Chwerw). +45 small plants in species rich grassland, Penrhiw Cradoc, Penrhiwceiber, ST0479.9707, J.P.Woodman, 2004; Single plant on cliff face. Mynydd Goetre-coed, Abercynon, ST079.962, G.Tordoff, 2007.

- *†77/14.11.b. **Vicia sativa** ssp. **segetalis** (Common Vetch)(Ffacybysen). Occasional, Atlantic Trading Estate (Plot 6A), ST132.672, B.Stewart, 2010. 1st record for ssp.
- ⊕77/19.8. **Trifolium fragiferum** (Strawberry Clover)(Meillionen Fefusaidd). Frequent in salt marsh, Rumney, ST20976.79061, J.P.Woodman & R.A.Jones, 2010.
- +77/19.20. **Trifolium striatum** (Knotted Clover)(Meillionen Rychog). Rare, Port Talbot Breakwater (N), SS743.884, B.Stewart, 2010.
- +‡78/1.1. **Hippophae rhamnoides** (Sea-buckthorn)(Rhafnwydden y Môr). Maesgwyn, SN8670.0849, B.Stewart, 2010.
- ⊗+84/1.2×8. **Epilobium** × **floridulum** (**E. parviflorum** × **E. ciliatum**) (a hybrid willowherb). Landscaped grounds, Cardiff Athletics Stadium, ST15.75, G.Kitchener, 2010. 1st recent record.
- +84/1.6. **Epilobium obscurum** (Short-fruited Willowherb)(Helyglys Byrgodog). Occasional in Atlantic Trading Estate (Unit 13B), ST132.673, B.Stewart, 2010.
- +‡84/4.1×3. **Oenothera** × **fallax** (**O. glazioviana** × **O. biennis**) (Intermediate Evening-primrose) (Melyn-yr-hwyr Canolig). +Frequent in yellow dunes, Oxwich NNR, SS507.873, B.&S.J.Stewart; +Rare in lane by Brighton Rd pub, Brighton Road, Gorseinon, SS590.988, B.Stewart; +Frequent in grassland immediately NE of main entrance, BP Baglan, SS738.917, B.Stewart; +Frequent in sand quarry & surrounds, Port Talbot Harbour, SS754.885, B.Stewart all 2010.
- ⊕84/6.1×2. **Circaea** × **intermedia** (**C. lutetiana** × **C. alpina**) (Upland Enchanter's-nightshade) (Llysiau-Steffan yr Ucheldir). Shingle, Blue Pool, Pont Sarn, SO043.096, T.C.G.Rich, 2010, NMW.
- +†91/2.9. **Euphorbia lathyris** (Caper Spurge)(Llaethlys Caprys). A single plant growing in hedge, Mill Lane, Llanrhidian, SS496.924, B.Stewart, 2010.
- ⊕92/2.1. **Frangula alnus** (Alder Buckthorn)(Breuwydden). Bishop's Wood (E side acid S-face), SS596.877, C.R.&H.Hipkin, 2010.
- *‡94/1.2. **Linum usitatissimum** (Flax)(Llin). Rare on shale substrate (80% bare spoil), Heol Caradoc, Penywaun, SN9817.0444, B.Stewart, 2010. 1st Welsh record as a neophyte.
- ⊕‡102/1.3. **Oxalis corniculata** (Procumbent Yellow-sorrel)(Suran Orweddol). 1 clone in entry path of garden, Alexandra Avenue, Merthyr Tydfil, SO052.072, J.N.Davies, 2010.
- +‡103/1.1×2. **Geranium** × **oxonianum** (**G. endressii** × **G. versicolor**) (Druce's Crane's-bill)(Pig-yr-aran Druce). Hirfynydd, SN8289.0551; +Rare in clearing, Heol Caradoc, Penywaun, SN9816.0438; both B.Stewart, 2010. 1st records as a neophyte.
- ⊕103/2.4. **Erodium lebelii** (Sticky Stork's-bill)(Pig-y-crëyr Ludiog). Frequent in 'sand', BP Baglan NW of Rd 3, W of cooling tower area), SS731.920, B.Stewart, 2010.
- +‡105/1.2. **Impatiens capensis** (Orange Balsam)(Ffromlys Oren). In marsh near A4232, River Ely, Cardiff from St Fagans (Level Crossing) to A4232, ST114.766, R.&L.Nottage, 2010.
- +107/16.1. **Berula erecta** (Lesser Water-parsnip)(Panasen-y-dwr Gulddail). Occasional along foot-path across saltmarsh, Pontarddulais saltmarsh (Morfa Goch), SN589.030, B.Stewart, 2010.
- ⊕107/19.4. **Oenanthe lachenalii** (Parsley Water-dropwort)(Cegiden Dail Persli). Upper saltmarsh, Rumney, ST2097.7906, J.P.Woodman, 2010.
- +107/44.1.c. **Daucus carota** ssp. **gummifer** (Sea Carrot)(Moronen Arfor). Occasional on

- undercliff, W of Limeslade Bay, SS6231.8699; +Rare on coastal embankment, Port Talbot Corus works, SS762.869; both B.Stewart, 2010.
- ⊗#110/6.per. **Physalis peruviana** (Cape-gooseberry)(Gwsberen Periw). ©Waste ground, Bargoed railway station, ST1515.9996, P.A.Smith & M.Teneva, 2009, **Hb.EJC**, det. E.J.Clement. 1st recent record.
- ⊕113/1.1. **Menyanthes trifoliata** (Bogbean)(Ffeuen y Gors). Nelson (town & environs), ST11.95, D.Beveridge, 2010.
- +†117/1.1. **Verbena officinalis** (Vervain)(Y Ferfain). Occasional, Bracelet Bay, SS628.872, B.Stewart, 2010.
- ⊕†118/1.8. **Stachys arvensis** (Field Woundwort)(Briwllys y Tir Âr). Rare on shale substrate (80% bare spoil), Heol Caradoc, Penywaun, SN9817.0444, B.Stewart, 2010.
- +118/18.2. **Clinopodium ascendens** (Common Calamint)(Brenhinllys). Roadside rough ground, Pengam, Cardiff, ST2179.7731, J.P.Woodman, 2010.
- +118/18.4. **Clinopodium vulgare** (Wild Basil)(Brenhinllys Gwyllt). Grassland immediately NE of main entrance, BP Baglan, SS738.917, B.Stewart, 2010.
- +121/1.4. **Plantago media** (Hoary Plantain)(Llyriad Llwyd). Several plants, possibly introduced in seed mixture, Brunel Dock, Briton Ferry, SS738.935, C.R.&H.Hipkin, 2010.
- +†124/12.1. **Kickxia elatine** (Sharp-leaved Fluellen)(Llysiau-Llywelyn). Arable margin, near Nash Point, SS9228.6792, J.P.Woodman, 2010. Single plant with *Kickxia spuria* & *Euphorbia exigua*.
- ⊕†124/16.19. **Veronica agrestis** (Green Field-speedwell)(Rhwyddlwyn-y-maes Gwyrdd). Disturbed ground, central Merthyr Tydfil, SO0.0, J.N.Davies, 2010.
- +†124/16.24.a. **Veronica hederifolia** ssp. **hederifolia** (Ivy-leaved Speedwell) (Rhwyddlwyn Dail Eiddew). Rare in car park, Bracelet Bay, SS627.872, B.Stewart, 2010.
- +†124/16.24.b. **Veronica hederifolia** ssp. **lucorum** (Ivy-leaved Speedwell)(Rhwyddlwyn Dail Eiddew). Occasional in woodland, Port Eynon Point, SS467.847, B. Stewart & J.N.Edwards; +Rare, Pwlldu Lane, SS579.881, B.Stewart; both 2010.
- +124/20.1.a. **Euphrasia officinalis** ssp. **pratensis** (Rostkov's Eyebright). Abundant in W field 3, Staffal Haegr, SS488.927, B.Stewart, 2010.
- *124/20.18. **Euphrasia micrantha** (Slender Eyebright)(Effros Mân-flodeuog). Forestry Road verge, Crynant, SN795036; +In grassland on reclaimed coal spoil, Afan Argoed, SS815.951; both C.R.&H.Hipkin, 2010.
- ⊕125/1.1. **Lathraea squamaria** (Toothwort)(Deintlys). Penllyn Castle woods, SS983.758, R.&L. Nottage, 2010.
- +#129/1.9. **Campanula portenschlagiana** (Adria Bellflower)(Clychlys Adria). +Occasional along Pwlldu Lane, SS579.881; +Locally abundant along Main Road (Wern View), Pontrhydyfen, SS7930.9442; both B.Stewart, 2010.
- ⊕#131/5.1. **Leycesteria formosa** (Himalayan Honeysuckle)(Bachgen Llwm). Naturalised at Cwm Ivy, SS438.937, B.Stewart, 2010.
- +†133/1.2. **Valerianella carinata** (Keeled-fruited Cornsalad)(Gwylaeth-yr-oen Ffrwythau Rhychog). +Cwmbach Village, SO02.02, M.Evans; +Bishop's Wood (E side acid s-face), SS596.877, C.R.&H.Hipkin; both 2010.
- +135/5.4. **Carduus nutans** (Musk Thistle)(Ysgallen Bendrom). Rare in Maesgwyn,

- SN866.087, B.Stewart; +Thriving on disturbed road edges, Ffos y fran, Merthyr Tydfil, SO072.061, J.N.Davies; both 2010.
- +†135/12.1. **Cichorium intybus** (Chicory)(Ysgello). †Road side, Cyfartha retail park, Merthyr Tydfil, SO041.063, J.N.Davies, 2010. Among a long and well established sowing of calcicoles on a new road verge. Therefore just a neophyte here.
- +135/17.1. **Helminthotheca echioides** (Bristly Oxtongue)(Tafod-y-llew Gwrychog). A few plants in two bare ground sites, Trago Mills, Merthyr Tydfil, SO033.065, J.N.Davies, 2010. det. T.C.G.Rich. Also at SO050062.
- +†135/22.1. **Lactuca serriola** (Prickly Lettuce)(Letusen Bigog). Locally frequent in shale substrate (80% bare spoil), Heol Caradoc, Penywaun, SN9817.0444; +Occasional at Eglwys Nunydd Reservoir (by middle gate), SS7990.8482; both B.Stewart, 2010.
- +‡135/23.2. **Cicerbita macrophylla** (Common Blue-sow-thistle)(Llaethysgallen Las). Occasional along sea wall, West End, Penclawdd, SS537.959, B.Stewart, 2010.
- *135/25.7.61. **Taraxacum excellens** (Purple-blotched Dandelion). Waste ground, Cardiff University Eye Clinic, Cathays, Cardiff, ST180.776, T.C.G.Rich, 2010, det. A.J.Richards.
- *135/25.7.68. **Taraxacum inane** (Pollenless Dandelion). Grassy verge, Tremorfa Industrial Estate, Cardiff, ST210.578, T.C.G.Rich, 2010, det. A.J.Richards.
- *‡135/25.8.97. **Taraxacum pruinaum** (Pruinose Dandelion). Waste ground near pool, Cardiff Bay, ST180.730, T.C.G.Rich, 2010, det. A.J.Richards.
- *‡135/25.9.107. **Taraxacum aequisetum** (Equal-lobed Dandelion). Waste ground by edge of car park, Cardiff Central railway station, ST183.757; Grassy verge, Tremorfa Industrial Estate, Cardiff, ST210.578; both T.C.G.Rich, 2010, det. A.J.Richards.
- *135/25.9.126. **Taraxacum stenoglossum** Brenner (T. dahlstedtii H. Lindeb.) (Dahlstedt's Dandelion). Grassy verge, Tremorfa Industrial Estate, Cardiff, ST210.578, T.C.G.Rich; Verge, Ffordd Pengam, Pengam, Cardiff, ST214.777, T.C.G. & H.M.Rich; both 2010, det. A.J.Richards.
- *‡135/25.9.134. **Taraxacum exsertiforme** (Erect-bracted Dandelion). Roadside verge, A470 at Pantmawr, ST148.814; Verge by layby, Pentregwilym, Thornhill, ST163.839; Grassland in centre of roundabout, Gabalfa, Cardiff, ST169.791; Wall by North Road, Cathays, Cardiff, ST178.773; all T.C.G.Rich, 2010, det. A.J.Richards.
- *‡135/25.9.138. **Taraxacum adiantifrons** (Pretty-leaved Dandelion). Grassy verge, Tremorfa Industrial Estate, Cardiff, ST210.578, T.C.G.Rich, 2010, det. A.J.Richards.
- *135/25.9.139. **Taraxacum hexhamense** (Hexham Dandelion). Grassland in centre of roundabout, Gabalfa Interchange, Cardiff, ST169.791, T.C.G.Rich, 2010, det. A.J.Richards.
- *‡135/25.9.161. **Taraxacum macranthoides** (Large-flowered Dandelion). Grassland, NE of Gabalfa Interchange, Cardiff, ST169.792, T.C.G.Rich, 2010, det. A.J.Richards.
- *‡135/25.9.173. **Taraxacum obtusifrons** (Obtuse-leaved Dandelion). Waste ground by ice rink, Cardiff Bay, ST180.730, T.C.G.Rich, 2010, det. A.J.Richards.
- *‡135/25.9.183. **Taraxacum pectinatiforme** (Pectinate-leaved Dandelion). Grassland in centre of M4 Junction 32, Coryton Interchange, Cardiff, ST141.816, T.C.G. & H.M.Rich, 2010, det. A.J.Richards.
- *‡135/25.9.205. **Taraxacum subhuelpersianum** (Light-green Dandelion). Grassland in centre of roundabout, Gabalfa Interchange, Cardiff, ST169.791, T.C.G.Rich, 2010, det.

A.J.Richards.

- *‡135/25.9.211. **Taraxacum subxanthostigma** (Purple-stalked Dandelion). Path, W of Marlborough Terrace, Maindy, Cardiff, ST174.778, T.C.G.Rich, 2010, det. A.J.Richards.
- *‡135/25.9.213. **Taraxacum tenebricans** (Shiny-leaved Dandelion). Waste ground near pool, Cardiff Bay, ST180.730, T.C.G.Rich, 2010, det. A.J.Richards.
- *135/25.9.nig. **Taraxacum nigridentatum** (Black-toothed Dandelion). Verge, Ffordd Pengam, Pengam, Cardiff, ST214.777, T.C.G. & H.M.Rich, 2010, det. A.J.Richards.
- *135/27.2.eur. **Pilosella officinarum** ssp. **euronota** (Mouse-ear-hawkweed)(Clust-y-llygoden). Grassland, Aberdare Cemetery, SN9864.0411, J.P.Woodman, 2010. 1st localised record published (but see *Flowering plants of Wales* (1983).
- *‡135/27.4.a. **Pilosella praealta** ssp. **praealta** (Tall Mouse-ear-hawkweed). Well-established being abundant along a section of railway line on slag, S of Margam Wharf, Port Talbot Docks, SS7680.8839, B.Stewart, 2010, NMW, det.R.D.Pryce, conf. M.J.Crawley. 1st record. Also noted on rocks above beach in harbour.
- +‡135/27.6. **Pilosella aurantiaca** (Fox-and-cubs)(Clust-y-llygoden Euraid). Bryn, SS81.92, C.R.&H.Hipkin, 2010.
- +135/28.2.6.b.bic. **Hieracium umbellatum** ssp. **umbellatum** (Umbellate Hawkweed) (Heboglys Culddail). Grassland, Aberdare, SN9851.0455, J.P.Woodman, 2010.
- +‡135/43.1. **Erigeron glaucus** (Seaside Daisy)(Amrhydlwyd Arfor). Occasional in car park, Bracelet Bay, SS627.872, B.Stewart, 2010.
- +‡135/43.4. **Erigeron karvinskianus** (Mexican Fleabane)(Amrhydlwyd y Cerrig). Rare in Frampton Road, Gorseinon, SS582.993, B.Stewart, 2010.
- +‡135/44.1. **Conyza canadensis** (Canadian Fleabane)(Amrhydlwyd Canada). Between paving slabs and wall edges, Merthyr Tydfil, SO047.062, J.N.Davies, 2010.
- ⊕‡135/48.1. **Tanacetum parthenium** (Feverfew)(Y Wermod Wen). Rare on track sides, Treforgan (P2), Hirfynydd, SN8289.0551, B.Stewart, 2010.
- +135/62.12. **Senecio erucifolius** (Hoary Ragwort)(Creulys Lwyd). Native, Rare, S of Tan-y-Rhiw, Seven Sisters, SN821.088, B.Stewart & M.Hipkin, 2010.
- +135/62.17. **Senecio sylvaticus** (Heath Groundsel)(Creulys y Rhos). Native, Locally frequent along disturbed track edge, Hirfynydd, SN824.068, B.Stewart, 2010.
- +‡135/71.4. **Petasites fragrans**, Winter Heliotrope)(Alan Pêr). Locally frequent on waste ground S of East Dock, Port Talbot Docks, SS765.886, B.Stewart, 2010.
- ⊗‡135/CAR.tin. **Carthamus tinctorius** (Safflower)(Safflwr). Rare in shale substrate (80% bare spoil), Heol Caradoc, Penywaun (spoil and waste), SN9817.0444, B.Stewart, 2010. 1st record as a neophyte.
- +©135/GUI.ab. **Guizotia abyssinica** (Niger)(Guizotia). Whitchurch Hospital, Cardiff (WH1), ST145.805, D.R.W.Gilmore, 2010.
- 136/1.1. **Butomus umbellatus** (Flowering-rush)(Brwynen Flodeuog). Salmon Leaps, Cwrt-yr-ala ponds, ST144.731, R.&L.Nottage, 2010.
- 146/1.1. **Zostera marina** (Eelgrass)(Gwellt y Gamlas). Native, 3 patches 4×4m, 4×2m, 3×3m, and noted elsewhere on lower saltmarsh edge, off Salthouse Point, SS520.958, B.Stewart & S.J.Stewart, 2010. All plants of '*angustifolium*' form).
- +‡147/2.1, **Lysichiton americanus** (American Skunk-cabbage)(Pidyn-y-gog Americanaidd). Two plants in four ponds, Cyfartha Park, Merthyr Tydfil, SO042.076,

- J.N.Davies; +Several plants beside stream next to church, St. Brides-super-Ely, ST09.77, R.&L.Nottage; both 2010.
- ⊗151/1.26×27. **Juncus ×kern-reichgeltii** (**J. effusus** × **J. conglomeratus**) (a hybrid rush). Occasional at Hirfynydd, SN8182.0762, B.Stewart, 2010.
- +152/5.1. **Scirpus sylvaticus** (Wood Club-rush)(Clwbfwrwynen Bengron). Locally abundant, Afon Lliw, King's Bridge (N side), SS591.977, B.Stewart, 2010.
- +152/16.8.b. **Carex muricata** ssp. **pairae** (Small-fruited Prickly-sedge). Rare along railway lines, Brig-y-Cwm, SO0882.0610, B.Stewart, 2010.
- +152/16.9.a. **Carex divulsa** ssp. **divulsa** (Grey Sedge)(Hesgen Lwyd). Rare at Bryn (E), SS82.92, C.R.&H.Hipkin, 2010.
- +152/16.27. **Carex pseudocyperus** (Cyperus Sedge)(Hesgen Gynffonog). Rare in 'new fen', Oxwich Marsh, SS499.870, B.Stewart, 2010.
- +152/16.31. **Carex pendula** (Pendulous Sedge)(Hesgen Bendrom). Occasional in rank grassland, Port Talbot Docks, S of Margam Wharf, SS7689.8840; +Rare in Atlantic Trading Estate (Unit 13B), ST132.673; both B.Stewart, 2010.
- +152/16.34. **Carex strigosa** (Thin-spiked Wood-sedge)(Hesgen-y-coed Benfain). Locally frequent along path edges, but not noted above this point, path to Cathole-Rock, Park Woods, SS5375.9001, B.Stewart & C.R.Hipkin, 2010.
- +152/16.41. **Carex distans** (Distant Sedge)(Hesgen Blodau Pell). +Occasional on undercliff, W of Limeslade Bay, SS6231.8699, B.Stewart; ⊕12+ plants on linear semi-barren slack with *Carex punctata* within 30m, Baglan Burrows, SS7267.9221, B.Stewart & C.R.Hipkin; ⊕100 plants in upper salt marsh with possible *Trifolium squamosum* & *Linum bienne*, River Rumney, Cardiff, ST2138.7810, J.P.Woodman; all 2010.
- *152/16.42. **Carex punctata**, Dotted Sedge)(Hesgen Fannog). c.50 plants noted in a 30m stretch of semi-barren dry slack, Baglan Burrows, SS7267.9221, C.R.&H.Hipkin, 2010.
- +152/16.43. **Carex extensa** (Long-bracted Sedge)(Hesgen-yr-heli Bractau Hir). 20-50 plants in upper salt marsh, Pengam, Cardiff, ST2155.7801, J.P.Woodman, 2010.
- *152/16.44×46. **Carex ×fulva** (**C. hostiana** × **C. viridula**) (a hybrid sedge). Base-rich marsh (M22), Breigam, near Bridgend, SS9850.7943, J.P.Woodman, 2010.
- +153.26.1. **Avenula pubescens** (Downy Oat-grass)(Ceirchwellt Blewog). Bryn (E), SS82.92, C.R.&H.Hipkin, 2010.
- +‡153/13.2. **Lolium multiflorum** (Italian Rye-grass)(Rhygwelld yr Eidal). Neophyte, Rare in stream & gully, Brig-y-Cwm, SO0888.0601, B.Stewart, 2010.
- +‡153/14.3. **Vulpia myuros** (Rat's-tail Fescue)(Peisgwelld y Fagwyr). Archaeophyte, Bishop's Wood (E side acid s-face), SS596.877, C.R.&H.Hipkin, 2010. Biodiversity Blitz.
- ⊗153/16.4. **Puccinellia rupestris** (Stiff Saltmarsh-grass)(Gwellt-y-morfa Syth). 30 plants in upper saltmarsh, West bank Rumney river, Llanrumney, Cardiff, ST2097.79061, J.P.Woodman, 2010. 1st recent record.
- +153/18.9. **Poa compressa** (Flattened Meadow-grass)(Gweunwellt Cywasgedig). 2×0.3m patch on roadside, J.32 W bound off slip M4 Coryton, ST1431.8172, J.P.Woodman, 2010.
- +‡153/28.3. **Avena fatua** (Wild-oat)(Ceirchen Wylld). †Scattered along edge of slip road. J.32 W bound off slip M4 Coryton, ST1446.8183, J.P.Woodman, 2010.
- +153/30.1. **Trisetum flavescens** (Yellow Oat-grass)(Ceirchwellt Melyn). Locally

- frequent, Bryn (E), SS82.92, C.R.&H.Hipkin, 2010.
- +153/40.1. **Calamagrostis epigejos** (Wood Small-reed)(Corsen Fach y Coed). Small clump 50×50cm on roadside, J.32 W bound off slip M4 Coryton, ST1431.8172, J.P.Woodman, 2010.
- +‡153/46.2. **Polypogon viridis** (Water Bent)(Barfwellt y Dwr). Pavement weed growing at base of wall, Rhiwbina, Cardiff, ST161.822, T.C.G.Rich, 2009.
- +‡153/62.1. **Cortaderia selloana** (Pampas-grass)(Peithwellt). Hirfynydd, SN8182.0762. Dwarf variety; +Rare in roadside waste ground, Alltwen Wood, SS578.965, B.Stewart, 2010.
- +‡153/PAN.mil. **Panicum miliaceum** (Common Millet)(Miled). ©Street, Bargoed, SO1480.0018, P.A.Smith & M.Teneva, 2010.
- *158/20.2×3. **Hyacinthoides ×massartiana (H. hispanica × H. non-scripta)** (Hybrid Bluebell) (Clychau'r-gog Croesryw), ‡Pwlldu Lane, SS579.881; ‡Occasional in St Michael's Field, Mumbles, SS621.874; ‡Occasional in quarry, Tyla Coch Quarry, Llanharry, ST0156.8083; all B.Stewart, 2010.
- +‡158/20.3. **Hyacinthoides hispanica** (Spanish Bluebell)(Clychau'r-gog Sbaenaidd). Neophyte, Cheriton bridge, SS450.931, B.Stewart, 2010.
- +‡158/24.7. **Allium triquetrum** (Three-cornered Garlic)(Garleg Trianglog). Neophyte, Abundant, Higher lane (western end), The Mumbles, SS609.877, B.Stewart, 2010.
- +‡158/31.1. **Leucojum aestivum** (Summer Snowflake)(Eiríaidd yr Haf). Verge, possibly naturalised from adjacent garden, Penclawdd Road / Cefn Stytle Road junction, SS573.965, B.Stewart, 2010.
- +158/33.5.a. **Narcissus pseudonarcissus** ssp. **pseudonarcissus** (Daffodil)(Cenhinen-Bedr Wyllt). Coarse grassland adjacent to railway, Kenfig Industrial Estate, SS796.830, B.&S.J.Stewart, 2010.
- +†158/34.1. **Asparagus officinalis** ssp. **officinalis** (Garden Asparagus)(Merllys yr Ardd). ‡Grassland/saltmarsh, River Rumney, Cardiff, ST2151.7788, J.P.Woodman, 2010.
- +158/35.1. **Ruscus aculeatus** (Butcher's-broom)(Celynnen Fair). Occasional, Pwlllywrach, SS95.75, N.P.Roberts, 2010.
- *‡159/2.1. **Sisyrinchium bermudiana** (Blue-eyed-grass)(Sisirinciwm Glas Gwyddelig), Flowering beside old colliery road. Cwm Rhondda Fach (Maerdy), SS966.995, R.&L.Nottage, 2010.
- ⊕162/7.1. **Spiranthes spiralis** (Autumn Lady's-tresses)(Troellig yr Hydref). Rare in mown roadside lawn, Bracelet Bay car park, SS627.872, B.Stewart, 2010.
- +162/18.1. **Dactylorhiza fuchsii** (Common Spotted-orchid)(Tegeirian Brych). Rare in Bryn (E). SS82.92, C.R.&H.Hipkin, 2010.
- ⊕162/18.3.a. **Dactylorhiza incarnata** ssp. **incarnata** (Early Marsh-orchid)(Tegeirian-y-gors Cynnar). Dune slack, Whiteford Burrows (new slack centre), SS432.942, B.Stewart, 2010. 3 good examples noted amongst many ssp. *coccinea*.
- +162/18.3.b. **Dactylorhiza incarnata** ssp. **coccinea** (Early Marsh-orchid)(Tegeirian-y-gors Cynnar). 15+ flowering spikes in dune slack type veg at NW edge of tip, BP Baglan, SS7268.9207, B.Stewart, 2010.
- +162/23.3. **Ophrys apifera** (Bee Orchid)(Tegeirian y Wenynen). Locally frequent at Bryn, SS81.92, C.R.&H.Hipkin; +5 plants, 32 Village Farm, Bonvilston, ST065.743, R.&L.Nottage; both 2010.

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

- +NIT/fe. **Nitella flexilis** agg. (Smooth Stonewort). Upper Talley Lake, SN632.330, N.F.Stewart, 2007, **Hb.NFS**. 2nd record.
- *NIT/opa. **Nitella opaca** (Dark Stonewort). Pingo pond, Alltgeredig valley, Llanpumsaint, SN427.301, S.D.S.Bosanquet, 2008. Female plants dominate almost entire pond.
- +NIT/tra. **Nitella translucens** (Translucent Stonewort). Lower Talley Lake, SN631.336, N.F.Stewart, 2007, **Hb.NFS**, 2nd record.
- 1/1.1. **Huperzia selago** (Fir Clubmoss)(Cnw-p-fwsogl Mawr). Glen Pedol, SN69.15, Rev. A.Ley, 1879, **BIRM**, Earliest v.c. record, predating the previous by Knight of 1905.
- +4/1.4×5. **Equisetum ×litorale (E. fluviatile × E. arvense)** (Shore Horsetail) (Marchrawnyn y Glennydd). In old backwater of River Llchwyr, Sychnant, Llanedi, SN6002.0695, A.O.Chater, G.M.Kay, J.P.Poland, *et al.*, 2010.
- +10/1.2. **Hymenophyllum wilsonii** (Wilson's Filmy-fern)(Rhedynach Teneuwe Wilson). +Patch c.30cm diameter under low rock ledge, Carn Goch, Bethlehem, SN692.248, G.S.Motley, 2008, much of it dead, probably due to frost; +A single large patch on acid rock crag, Banc-y-Daren (Craig Clyn-lydan), SN534.296, S.D.S.Bosanquet, 2010.
- ⊗14/2.1. **Phegopteris connectilis** (Beech Fern)(Rhedynen Gorniog). c.10 plants with *Oreopteris limbosperma* on lane bank, below Llethr Brith, SN6755.4979, S.D.S.Bosanquet, 2010. 1st post-1970 and first localised record for hectad.
- +17/3.3b. **Dryopteris cambrensis** (a scaly male-fern)(Marchredynen Euraid). Semi-natural woodland, Cwm Farm Trelech, SN2628.2819, R.D.&K.A.Pryce, 2010. Site of Carmarthen United Lead Mine, under mature Ash and Hazel dominated woodland.
- 17/3.5. **Dryopteris aemula** (Hay-scented Buckler-fern)(Marchredynen Bêr). Woods, Glynhir, SN64.15, Rev. A.Ley, 1879, **BIRM**. Although this species was previously reported by William Davies (Gwilym Teilo) from Golden Grove in 1858, this is the earliest record from Glynhir and predates the previous earliest record from Glynhir made by Ley in 1883.
- 28/6.1. **Aconitum napellus** (Monk's-hood)(Cwccwll y Mynach). †Roadside clump, near Rhydwl, SN443.154, I.K.Morgan, 2010. 1st localised hectad record and 1st in hectad since 1953.
- +28/13.11. **Ranunculus sceleratus** (Celery-leaved Buttercup)(Crafanc yr Eryr). Pond in coastal dunes, shallow and very cattle-poached, Pembrey Burrows LNR, SS4194.9931, G.M.Kay, M.Smith, M.Stead *et al.*, 2010. 1st record for v.c.44 part of hectad.
- +28/17.3. **Thalictrum flavum** (Common Meadow-rue)(Arianllys). 1 large plant at edge of pond in coastal dunes, Pembrey Burrows LNR, SS4133.9959, G.M.Kay, M.Smith, M.Stead *et al.*, 2010. 1st record in a natural habitat.
- 28/17.4. **Thalictrum minus** (Lesser Meadow-rue)(Arianllys Bach). Old Red Sandstone cliff, Llyn y Fan Fechan, SN80.21, Rev. A.Ley, 1897, **BIRM**. Although the first coastal v.c. record for the species was made by H.L. Jones in 1875, this is the first inland record and predates that reported by Barker from the same site in 1905.
- +†31/1.1. **Dicentra formosa** (Bleeding-heart)(Calon Waedlyd). Densely naturalised along several m of track-side bank under mature trees, c.80m NW of nearest house, Llanybydder, SN52558.44217, R.D.&K.A.Pryce, 2010, **NMW**. 3rd record.
- ⊗†33/1.1×3. **Ulmus ×vegeta (U. glabra × U. minor)** (Huntingdon Elm)(Llwyfen

- Huntingdon). †Line of mature trees in hedgerow along northern boundary, site of former Cwmawr Coal Washery, SN5286.1248, R.D.&K.A.Pryce, 2010, **NMW**. 1st recent record.
- +‡33/1.1×3×4. **Ulmus** × **hollandica** (**U. glabra** × **U. minor**/ **U. glabra** × **U. minor** × **U. ptioti**) (Dutch Elm)(Llwyfen yr Iseldiroedd). Churchyard boundary hedgerow, Llanybydder, SN5187.4396, R.D.&K.A.Pryce, 2010. 1st record for v.c.44 part of hectad.
- +‡43/1.13. **Chenopodium ficifolium** (Fig-leaved Goosefoot)(Troed-yr-wydd Dail Ffigys). Disturbed ground, waste from hollow tining of golf course, near Glynhir Golf Club, SN6442.1629, M.Stead, 2010.
- 46/5.1. **Stellaria nemorum** (Wood Stitchwort)(Serenllys y Coed). Woods on the Towy below Nant Mwyn, SN77.44, Rev. A.Ley, 1897, **BIRM**. Predates previous first v.c. record made by Knight from near Llandoverly in 1905. There is an anonymous pencil note on the sheet: ssp. *glochidisperma* and another pencil note: No!
- *46/5.4.eli. **Stellaria neglecta** var. **elizabethae** (Greater Chickweed)(Gwlyddyn-y-dom Mawr). Shingle on bank of River Llchwyr on boundary with v.c.41, Sychnant, Llanedi, SN6012.0713, BSBI Meeting, 2010. 1st record for var. and new hectad record for sp.
- +46/7.10. **Cerastium diffusum** (Sea Mouse-ear)(Clust-y-llygoden Arfor). +Car park, Llanybydder, SN5207.4411, R.D.&K.A.Pryce; +On imported sandy soil, Nant-y-bai Lead Mine, SN78616.44743, BSBI Meeting; both 2010.
- +46/7.12. **Cerastium semidecandrum** (Little Mouse-ear)(Clust-y-llygoden Fach). Occasional pavement weed in angle between house walls and pavement, Bryn-mor Road, Llanelli, SN50251.00020, R.D.&K.A.Pryce, 2010.
- +46/17.4. **Spergularia rubra** (Sand Spurrey)(Troellig Arfor Coch). Shingle on bank of River Llchwyr on boundary with v.c.41, Sychnant, Llanedi, SN6012.0713, A.O.Chater, G.M.Kay, J.P.Poland, *et al.*, 2010.
- ⊕47/1.16. **Persicaria minor** (Small Water-pepper)(Y Dinboeth Fach). By ditch on Tywi floodplain, Rwyth Farm, Nantgeredig, SN4851.2133, M.Stead, S.Stille, P.Tolfree, *et al.*, 2010. 2nd site in hectad; previously recorded at Bishop's Pond SN443.209 by I.K. Morgan in 1991.
- +‡61/1.3×del.Rob. **Populus** × **canadensis** 'Robusta' (**P. deltoides** 'Cordata' × **P. nigra** 'Plantierensis') (Hybrid Black-poplar)(Poplysen Ddu Groesryw). Riverbank, Sychnant, Llanedi, SN6009.0685, A.O.Chater, G.M.Kay, J.P.Poland, *et al.*, 2010.
- +‡61/2.04.hof. **Salix triandra** var. **hoffmanniana** (Almond Willow)(Helygen Dribrigerog). Bank of River Llchwyr on boundary with v.c.41, Sychnant, Llanedi, SN6020.0727, A.O.Chater, G.M.Kay, J.P.Poland, *et al.*, 2010. 1st record for species & var. for v.c.44 part of hectad.
- ⊗61/2.09×11. **Salix** × **holosericea** (**S. viminalis** × **S. cinerea**) (Silky-leaved Osier) (Helygen Dail Sidan). Bank of River Llchwyr, Sychnant, Llanedi, SN6007.0689, A.O.Chater, G.M.Kay, J.P.Poland, *et al.*, 2010. 1st recent record.
- +61/2.10×11. **Salix** × **reichardtii** (**S. caprea** × **S. cinerea**) (a hybrid willow). Bank of River Llchwyr, Sychnant, Llanedi, SN6007.0689, A.O.Chater, G.M.Kay, J.P.Poland, *et al.*, 2010.
- 62/12.1×2. **Nasturtium** × **sterile** (**N. officinale** × **N. microphyllum**) (Hybrid Water-cress) (Berwr-y-dwr Croesryw). Roadside pond, Llandyfan church, SN6416.1708, M.Stead, 2010, 3rd record, & 2nd for hectad.

- +62/12.3. **Rorippa islandica** (Northern Yellow-cress)(Berwr Melyn Gogleddol). 4-5 plants on shingle by River Llwchwr, Sychnant, Llanedi, SN6019.0730, A.O.Chater, G.M.Kay, J.P.Poland, *et al.*, 2010.
- +62/12.4. **Rorippa palustris** (Marsh Yellow-cress)(Berwr Melyn y Gors). Farmyard weed, Bronyn Fach, Ferryside, SN377.123, I.K.Morgan, 2010.
- 62/32.1. **Subularia aquatica** (Awlwort)(Mynawydlys). Upland lake, Llyn y Fan Fach, SN80.21, H.J.Riddelsdell, 1902, **BIRM**. The only v.c. record. Plants from Loch Drum Aberdeenshire coll. July 1850 from John T. Syme on same sheet.
- 64/1.1.1. **Empetrum nigrum** (Crowberry)(Creiglusen). Moorland, E of Carreg Cennen, c.SN69.18, Rev. A.Ley, 1879, **BIRM**. Although previously reported by L.W.Dillwyn from 'Mountainous parts of the County, frequent' (Turner & Dillwyn, 1805), this is the first localised record and is in a site where it is still present.
- +66/1.1. **Pyrola minor** (Common Wintergreen)(Glesyn-y-gaeaf Bach). †Quite extensive colony of 52+ spikes over area about 5×7m, under light shade of *Betula pubescens* on scrubbed-over colliery tip, site of former Pentremawr Colliery, Pontyberem, SN4926.1060, R.D.Pryce, 2010.
- +67/1.1. **Hypopitys monotropa** (Yellow Bird's-nest)(Cytwf). 1 spike on roadside, Sawdde Gorge, SN7240.2490, N.Matthew, 2010.
- +69/6.2. **Anagallis arvensis** (Scarlet Pimpernel)(Llysiau'r cryman). Four or five plants on gravel shoal of River Llwchwr, Sychnant, Llanedi, SN6019.0730, A.O.Chater, G.M.Kay, J.P.Poland, *et al.*, 2010. 1st record for v.c.44 part of hectad.
- *©70/1.2. **Pitosporum tenuifolium** (Kohuhu)(Llwyn Cohwhw). Seedling c.12.5cm high growing in back lane below a mature bush on the other side of a wall in the garden, Robinson Street, Llanelli, SN507.001, I.K.Morgan, 2010.
- +†73/5.13. **Sedum sexangulare** (Tasteless Stonecrop)(Briweg Ddi-flas). Scattered on bare rock outcrop, Carreg Cennen, SN66.19, J.P.Poland, J.Fraser, S.Rankin & J.Welsh, 2010.
- +75/9.14×15. **Potentilla ×mixta (P. erecta × P. reptans & P. anglica × P. reptans)** (Hybrid Cinquefoil) (Pumnaalen Groesryw). Stone wall, Marros, SN2072.0894, G.M.Kay, P.Tolfree, M.Smith & G.Wynne; +Semi-improved rocky bank by side of grassy track, Sychnant, Llanedi, SN6001.0744, A.O.Chater, G.M.Kay, J.P.Poland, *et al.*; +Dry neutral grassland, Llety Wen SSSI, SN62945.30457, BSBI Meeting, det. A.O.Chater; all 2010.
- *75/12.1. **Potentilla indica** (Yellow-flowered Strawberry)(Llwyn Mefus Melyn). Verge of both sides of disused railway, mostly E of road bridge for 100-200m, near Tumble, SN5351.1118, C.Cheffings, M.Godfrey, J.Green & G.Moss, 2010, **NMW**.
- +75/19.10.b. **Alchemilla filicaulis** ssp. **vestita** (Hairy Lady's-mantle)(Mantell-Fair Flewog). 1 plant at foot of neutral grassland bank (former railway embankment) with several plants of *Primula veris*, Tyisha, Llanelli, SS51062.99039, Llanelli Naturalists, 2010, **NMW**, det. R.D.Pryce.
- +†75/21.5.6. **Rosa rugosa** (Japanese Rose)(Rhosyn Japan). Occasional naturalised plants on road side by Dochet House, Llanybydder, SN5206.4378, R.D.&K.A.Pryce, 2010.
- +75/22.4. **Prunus spinosa** (Blackthorn)(Draenen Ddu). Scrub in coastal dunes, Pembrey Burrows LNR, SS41.99, G.M.Kay, M.Smith, M.Stead *et al.*, 2010. 1st record for v.c.44 part of hectad.

- +†75/22.5. **Prunus domestica** (Wild Plum)(Coeden Eirin Gwyllt). †Hedge, Marros, SN20.08, G.M.Kay, P.Tolfree, M.Smith & G.Wynne, 2010.
- +†75/22.14. **Prunus laurocerasus** (Cherry Laurel)(Coeden Lawrgeirios). Hedge, Marros, SN20.08, G.M.Kay, P.Tolfree, M.Smith & G.Wynne, 2010.
- *77/15.03.mon. **Lathyrus linifolius** var. **montanus** (Bitter-vetch)(Ytbysen y Coed). Occasional in meadow of dry acid/neutral grassland, Llys-fedw meadows, SN7418.4639, BSBI Meeting, 2010. 1st record for the var.
- +77/19.15. **Trifolium medium** (Zigzag Clover)(Meillionen Igam-ogam). Marros, SN20.08, G.M.Kay, P.Tolfree, M.Smith & G.Wynne, 2010.
- *77/26.3. **Ulex minor** (Dwarf Gorse)(Coreithinen). †Shrub bed, Welsh Wetlands Centre, Penclacwydd, SS5313.9847, B.Stewart, 2010. Planted by Carmarthenshire County Council, prior to 1993, before the site was taken over by the Wildfowl and Wetlands Trust. Now well established but has not spread significantly. Only recognised as *U. minor* in 2010.
- +79/2.2. **Myriophyllum aquaticum** (Parrot's-feather)(Pluen Parot). In and around pond, Llyn-y-gors, St Clears, SN2725.1531, West Wales Biological Information Centre Recording Meeting, 2010, det. R.D.Pryce.
- +81/1.1. **Lythrum salicaria** (Purple-loosestrife)(Llyisiau'r-milwr Coch). 12m diameter shallow pond with cattle-poached banks in coastal dunes, Pembrey Burrows LNR, SS4235.9943, G.M.Kay, M.Smith, M.Stead *et al.*, 2010. 1st record for v.c.44 part of hectad.
- +†81/1.jun. **Lythrum junceum** (False Grass-poly)(Ffug-wyarlllys). ©1 plant appeared spontaneously in farmyard, Blaengors, Rhydargaeau, SN432.273, A.&G.Davies, 2010. 2nd record.
- +84/1.2. **Epilobium parviflorum** (Hoary Willowherb)(Helyglys Lledlwyd). River bank, Sychnant, Llanedi, SN6019.0730, A.O.Chater, G.M.Kay, J.P.Poland, *et al.*, 2010. 1st record for v.c.44 part of hectad.
- +84/1.2×8. **Epilobium ×floridulum** (**E. parviflorum** × **E. ciliatum**) (a hybrid willowherb). Dune grassland at edge of mown ride and Alder scrub, MoD Pendine E3 Range, SN29348.07337, BSBI Meeting, 2010, det. A.O.Chater.
- +84/1.7. **Epilobium roseum** (Pale Willowherb)(Helyglys Gwelw). Marros, SN20.08, G.M.Kay, P.Tolfree, M.Smith & G.Wynne, 2010.
- +†84/4.1×3. **Oenothera ×fallax** (**O. glazioviana** × **O. biennis**) (Intermediate Evening-primrose) (Melyn-yr-hwyr Canolig). Several patches on young dune grassland with both parents nearby, Pembrey Burrows LNR, SS4122.9924, G.M.Kay, M.Smith, M.Stead *et al.*, 2010.
- +†84/4.3. **Oenothera biennis** (Common Evening-primrose)(Melyn yr Hwyr). 3 plants appeared spontaneously in vegetable plot at W side of house, School Road, Pwll, Llanelli, SN47695.01175, R.D.&K.A.Pryce, 2010, **NMW**, det. R.Murphy.
- 92/1.1. **Rhamnus cathartica** (Buckthorn)(Rhafnwydden). Carboniferous Limestone crag, cliffs of Carreg Cennen, SN667.190, Rev. A.Ley, 1883, **BIRM**. Predates the previous 1st v.c. record made by R.V.Innes from Stradey, Llanelli in 1902.
- +103/1.19. **Geranium robertianum** ssp. **celticum** (Herb-Robert)(Y Goesgoch). Limestone woodland, Capel Dyddgen, Crwbin, SN4672.1289, R.D.&K.A.Pryce, 2010. 1st hectad record for ssp.

- +‡105/1.4. **Impatiens glandulifera** (Indian Balsam)(Jac y Neidiwr). Abundant on river banks by River Llŵchwr, Sychnant, Llanedi, SN601.074, A.O.Chater, G.M.Kay, J.P.Poland, *et al.*, 2010. 1st record for v.c.44 part of hectad.
- +‡107/25.1. **Conium maculatum** (Hemlock)(Cegiden). About 12 plants on roadside verge, Llanybydder, SN5206.4397, R.D.&K.A.Pryce, 2010. 1st record for v.c.44 part of hectad.
- +107/28.1. **Apium graveolens** (Wild Celery)(Seleri Gwyllt). Vegetated ditch, Llyn-y-gors, St Clears, SN2722.1532, West Wales Biological Information Centre Recording Meeting, 2010, det. R.D.Pryce.
- *‡109/1.2. **Vinca difformis** (Intermediate Periwinkle)(Perfagl Serennog), Well naturalised along wayside, an escape from woodland garden, Ferryside, SN365.095, I.K.Morgan, 2009, NMW. Also seen in 2010.
- +©110/1.1. **Nicandra physalodes** (Apple-of-Peru)(Afal Periw). About 8-10 plants in one part of maize field, possibly more throughout the field, Westmead Farm, Pendine, SN261.095, A.&S.James, 2010, conf. R.D.Pryce.
- 112/1.3. **Cuscuta epithymum** (Dodder)(Lindag). Field, near Glynhir, SN64.15, Rev. A.Ley, 1897, BIRM. This predates the previous earliest known v.c. record made by R.V. Innes at Brynmor, Llanelli in 1902. On *Bartsia*, *Centaurea*, *Vicia*, etc. Collector not noted on sheet but in Augustin Ley's handwriting and part of his 1911 bequest.
- +113/1.1. **Menyanthes trifoliata** (Bogbean)(Ffeuen y Gors). Bog pool, associated with dense *Molinia* and *Polytrichum* commune, Tir Mynediad Common, SN5004.2757, R.D.&K.A.Pryce, 2010.
- +116/15.4. **Myosotis laxa** (Tufted Forget-me-not)(Sgorpionllys Siobynnog). +Fenced Japanese Knotweed-dominated riverbank, Sychnant, Llanedi, SN6020.0737, A.O.Chater, G.M.Kay, J.P.Poland, *et al.* 1st record for v.c.44 part of hectad; +Pond (mostly dried-out) cattle poached in coastal dunes, Pembrey Burrows LNR, SS4132.9960, G.M.Kay, M.Smith, M.Stead *et al.* 1st record for v.c.44 part of hectad; both 2010.
- +‡116/15.7. **Myosotis sylvatica** (Wood Forget-me-not)(Sgorpionllys y Coed). Occasional pavement weed in various parts of town, Llanybydder, SN5193.4407, R.D.&K.A.Pryce, 2010. 1st record for v.c.44 part of hectad.
- +‡118/1.2. **Stachys byzantina** (Lamb's-ear)(Clust yr Oen). 1 plant established in waste ground on site of railway sidings, Tyisha, Llanelli, SS5092.9934, Llanelli Naturalists, 2010, det. R.D.Pryce.
- +‡118/4.1.c. **Lamium galeobdolon** ssp. **argentatum** (Variegated Yellow Archangel). +Well naturalised and locally abundant in semi natural woodland by road at edge of conifer plantation, near Abercych, SN2746.3645; +Road verge, Heol Cae Banc, Llanybydder, SN5206.4372, R.D.&K.A.Pryce. 1st record for v.c.44 part of hectad; both 2010.
- +‡118/16.1. **Melissa officinalis** (Balm)(Balm). Riverside footpath near farm in semi-improved grassland, Rwyth, Nantgaredig, SN4907.2043, M.Stead, S.Stille & P.Tolfree, conf. J.L.Poland; +Naturalised in field by roadside hedge in semi-improved grassland, Cwmann, SN5885.4646, R.D.&K.A.Pryce. 1st record for v.c.44 part of hectad; both 2010.
- +118/22.1. **Lycopus europaeus** (Gypsywort)(Llyisiau'r Sipsiwn). Frequent in *Oenanthe*

- crocata*/*Filipendula ulmaria* co-dominated swamp and also frequent in other wet areas of farm, Llyn-y-gors, St Clears, SN2691.1534, West Wales Biological Information Centre Recording Meeting, 2010, det. R.D.Pryce.
- +118/23.1×2×3. **Mentha ×smithiana** (**M. arvensis** × **M. aquatica** × **M. spicata**) (Tall Mint)(Mintys Coch). Bank of River Gwendraeth Fawr, Muddlescwm Farm, Kidwelly, SN42220.05762, West Wales Biological Information Centre Recording Meeting, 2010, det. R.D.Pryce.
- *±118/23.6. **Mentha requienii** (Corsican Mint)(Mintys Corsica). Abundantly naturalised in between cobble stones of courtyard between theatre and apothecary's hall, National Botanic Garden of Wales, SN5209.1825, B. & D.Wright & K. & R.Pryce, 2010.
- 121/2.1. **Littorella uniflora** (Shoreweed)(Beistonnell Ferllyn). Upland lake, Llyn Fan Fechan, SN80.21, Rev. A.Ley, 1897, **BIRM.** 2nd v.c. record and first at this site. The 1st record was made by Lightfoot and Banks at Talley Pools in 1773.
- 124/5.1. **Limosella aquatica** (Mudwort)(Lleidlys). Upland lake, Llyn Fan Fechan, SN8.021, Rev. A.Ley, 1905, **BIRM.** Earliest v.c. record, predating the previous from Bishop's Pond reported by Barker in 1905. The sheet has 11 small plants: Margin of Llyn fan fechan Carm. [in pencil writing of Augustin Ley]. Other specimens on the sheet labelled: Brackish pools in Overton.
- ⊗±124/16.18. **Veronica peregrina** (American Speedwell)(Rhwyddlwyn America).
+©Garden weed in vegetable plot, Plas-bach, Cilycwm, SN747.376, R.Pipe & M.Iliff, 2009, **NMW**, conf. J.P.Poland; +©Several hundred plants in gravel path by greenhouse, Swiss Valley Garden Centre, Llanelli, SN52957.04043, R.D.&K.A.Pryce, **NMW.** 2nd & 3rd records.
- +†124/16.20. **Veronica polita** (Grey Field-speedwell)(Rhwyddlwyn-y-maes Llwyd). Mynydd y Garreg, SN4.0(J). J.Green & M.Godfrey, 2010.
- +†124/16.24.b. **Veronica hederifolia** ssp. **lucorum** (Ivy-leaved Speedwell)(Rhwyddlwyn Dail Eiddew). Hedge-bottom at new entrance to track off lane, near Cwm Farm, Trelech, SN2626.2792, R.D.&K.A.Pryce, 2010. 1st hectad record for ssp.
- 124/19.3.a.pra. **Melampyrum pratense** ssp. **pratense** var. **pratense** (Common Cow-wheat) (Gliniogai). Occasional in hedgebank by track to summit, Allt-y-Garn Carmel, SN5855.1549, B. & D.Wright & K. & R.Pryce; +Abundant on hedgebank on S side of lane just W of entrance to Glyn-tai Fawr, N of Glyn-tai Fawr, Ammanford, SN6158.1335, R.D.&K.A.Pryce; +Hedgebank, roadside verge & bankside, W side of road, W of Nant Thames valley, near Taliaris, SN6369.2719, A.Jones & M.Stead; all 2010.
- +124/20.1. **Euphrasia officinalis** (an eyebright). Dry neutral grassland, Llety Wen SSSI, SN6291.3042, BSBI Meeting, 2010, det. A.O.Chater.
- +124/20.7. **Euphrasia nemorosa** (Common Eyebright)(Effros). Scattered in closed dune grassland, Pembrey Burrows LNR, SS4137.9960, G.M.Kay, M.Smith, M.Stead *et al.*, 2010, det. A.O.Chater. 1st record for v.c.44 part of hectad.
- +124/20.7×9. **Euphrasia nemorosa** × **E. confusa** (a hybrid eyebright). Dry edge of flush, Upper Amman Valley, SN7429.1539, J.Fraser, A.Jones, S.Rankin *et al.*, 2010. 1st record for v.c.44 part of hectad.
- +124/25.2.b. **Pedicularis sylvatica** ssp. **hibernica** (Lousewort)(Melog y Cwn). Heathy grassland on small raised area of rhos pasture with *Calluna vulgaris*, Dolauhirion,

SN5953.2666, A.O.Chater, G.M.Kay, J.P.Poland, *et al.*, 2010.

- *©124/SUT.cor. **Sutera cordata** (Bacopa). 1 plant on site of demolished public house (probably ex window-box or hanging basket), Island Place, Llanelli, SN5101.0047, R.D.&K.A.Pryce, 2010, **NMW**, det. A.O.Chater, conf. J.P.Poland.
- 130/6.1. **Galium boreale** (Northern Bedstraw)(Briwydd y Gogledd). Old Red Sandstone cliff, Craig y fan Fechan, SN80.21, Rev. A.Ley, 1897, **BIRM**. Earliest v.c. record, predating the previous by Riddelsdell of 1901.
- +‡131/5.1. **Leycesteria formosa** (Himalayan Honeysuckle)(Bachgen Llwm). Self sown by old stone buildings and ditch at edge of scrub, Pant-y-Llyn Farm, SN3480.2567, R.D.&K.A.Pryce, 2010.
- +‡131/6.1. **Lonicera pileata** (Box-leaved Honeysuckle)(Gwyddfifd Llorweddol). Single seedling on top of stone boundary wall, Tyisha Llanelli, SS50841.99505, R.D.&K.A.Pryce, 2010.
- +‡133/1.2. **Valerianella carinata** (Keeled-fruited Cornsalad)(Gwylaeth-yr-oen Ffrwythau Rhychog). ‡Locally frequent pavement weed by churchyard wall, Llanybydder, SN5190.4395, R.D.&K.A. Pryce, 2010. Also recorded at eleven additional locations in Llanybydder on the same date.
- +133/2.3. **Valeriana dioica** (Marsh Valerian)(Triaglog y Gors). Unimproved, damp, acid grassland, locally frequent & scattered over SE part of field, Dolauhirion, SN5943.2660, A.O.Chater, G.M.Kay, J.P.Poland, *et al.*, 2010.
- +135/3.1. **Arctium lappa** (Greater Burdock)(Cyngaf Mawr). Roadside bank near stone bridge carrying Glanlash Road over River Lash, Tirydail Tip, Ammanford, SN6160.1342, R.D.Pryce, 2010.
- +‡135/12.1. **Cichorium intybus** (Chicory)(Ysgello). ‡Several plants growing on flood defence wall on S side of B4312, next to Tawelan brook, Starling Park, Carmarthen, SN394.196, I.K.Morgan, 2010.
- *135/16.1.sal. **Scorzoneroideis autumnalis** var. **salina** (Autumn Hawkbit)(Peradyl yr Hydref). c.5 plants only in top saltmarsh amongst *Juncus maritimus* clumps, Mwche, SN3208.1134, BSBI Meeting, det. A.O.Chater; +Rare in area of *Juncus maritimus* with frequent *Oenanthe lachenalii* in top saltmarsh, RAF Pembrey, SN3711.0512, RAF Pembrey Sands Conservation Group meeting, det. R.D.Pryce; both 2010. 1st records for var.
- +135/27.2.eur., **Pilosella officinarum** ssp. **euronota** (Mouse-ear-hawkweed)(Clust-y-llygoden). +Mine spoil on surface of dressing floor with self-sown *Larix ×marschlinsii* locally frequent, Nant-y-bai Lead Mine, SN7872.4458, BSBI Meeting, det. A.O.Chater; +Dune grassland, a number of patches in vicinity, mainly on older dunes, Pembrey Burrows LNR, SS4140.9934, G.M.Kay, M.Smith, M.Stead *et al.*; both 2010. 1st localised records published.
- +135/27.2.mic. **Pilosella officinarum** ssp. **micradenia** (Mouse-ear-hawkweed)(Clust-y-llygoden). +Upland limestone grassland, Clogau-mawr, SN7225.1937, R.D.&K.A.Pryce; +Dry acid grassland, Merchon Valley, SN7367.4155, BSBI Meeting; both 2010. 1st localised records published.
- +‡135/48.3. **Tanacetum vulgare** (Tansy)(Tansi). Disturbed sand, MoD Pendine C9 Track, SN28380.07275, BSBI Meeting, 2010.
- 142/1.7. **Potamogeton alpinus** (Red Pondweed)(Dyfrillys Coch). Upland lake, Llyn y Fan

- Fach, SN80.21, Rev. A.Ley, 1899, **BIRM**, det. J.E.Dandy & G.Taylor (in 1960). 1st v.c. record predating Knight's of 1908 from the same site.
- +142/1.15. **Potamogeton berchtoldii** (Small Pondweed)(Dyfrllys Bach). Pond, Llyn-y-gors, St Clears, SN2725.1531, West Wales Biological Information Centre Recording Meeting, 2010, det. R.D.Pryce.
- *142/1.16. **Potamogeton trichoides** (Hairlike Pondweed)(Dyfrllys Blewynnaidd). Abundant in pond (c.30m diam.) in coastal dunes, excavated within last two years, Pembrey Burrows LNR, SS4141.9966, J.Fraser, G.M.Kay, M.Smith *et al.*, 2010, **NMW**, conf. A.O.Chater & J.P.Poland.
- +142/1.19. **Potamogeton crispus** (Curled Pondweed)(Dyfrllys Crych). Ditch in floodplain of River Tywi, Rwyth, Nantgeredig, SN4847.2134, M.Stead, S.Stille & P.Tolfree, 2010.
- *146/1.2. **Zostera noltei** (Dwarf Eelgrass)(Gwellt-y-gamlas Bach). Sparse over c.5×10m area on mussel crumble on intertidal mud, Machynys, Llanelli, SS5142.9715, Llanelli Naturalists, 2010, det. R.D.Pryce.
- ⊗‡147/5.2. **Arum italicum** ssp.**italicum** (Italian Lords-and-Ladies). Established garden throw-out on roadside bank, Llanybydder, SN5206.4397, R.D.&K.A.Pryce, 2010.
- +148/2.2. **Lemna minor** (Common Duckweed)(Llinad y Dwr). 12m diameter shallow pond with cattle-poached banks in coastal dunes, Pembrey Burrows LNR, SS4235.9943, G.M.Kay, M.Smith, M.Stead *et al.*, 2010. 1st record for v.c.44 part of hectad.
- +‡148/2.4. **Lemna minuta** (Least Duckweed)(Llinad Bach). Pond vegetated over with *Phragmites* under marginal alder and willow in secondary woodland, near Pontyberem, SN4928.1068, R.D.Pryce, 2010.
- *151/1.13.nig. **Juncus articulatus** var. **nigritellus** (Jointed Rush)(Brwynen Gymalog). Occasional plants in soakway, Merchon valley, Mynydd Malaen, SN7296.4185, BSBI Meeting, 2010, det. A.O.Chater. 1st record of variety.
- +152/16.23. **Carex hirta** (Hairy Sedge)(Hesgen Flewog). Coastal cliff top, Telpyn Point, SN18.07, G.M.Kay, 2010. 1st record for v.c.44 part of hectad.
- +‡152/16.31. **Carex pendula** (Pendulous Sedge)(Hesgen Bendrom). Self sown in wooded stream valley, Llanybydder, SN5270.4365, R.D.&K.A.Pryce, 2010. 1st record for v.c.44 part of hectad.
- +152/16.41. **Carex distans** (Distant Sedge)(Hesgen Blodau Pell). Upper saltmarsh, Green Castle, Llangain, SN400.159, J.Fraser, R.Harding, S.Rankin & J.Welsh, 2010.
- +152/16.44×46. **Carex** ×**fulva** (**C. hostiana** × **C. viridula**) (a hybrid sedge). Damp acid grassland, Dolauhirion, SN5954.2673, A.O.Chater, G.M.Kay, J.P.Poland, *et al.*, 2010.
- +152/3.1. **Eleocharis palustris** (Common Spike-rush)(Ysbigfrwynen). River bank., Sychnant, Llanedi, SN6004.0700, A.O.Chater, G.M.Kay, J.P.Poland, *et al.*, 2010. 1st record for v.c.44 part of hectad.
- +152/3.3. **Eleocharis uniglumis** (Slender Spike-rush)(Ysbigfrwynen un Cibyn). 1 patch of many plants in upper saltmarsh, Green Castle, Llangain, SN400.160, J.Fraser, R.Harding, S.Rankin & J.Welsh, 2010.
- +153/12.3. **Festuca gigantea** (Giant Fescue)(Peiswellt Mawr). In dense *Impatiens glandulifera* by River Llwhwr, Sychnant, Llanedi, SN6004.0705, A.O.Chater, G.M.Kay, J.P.Poland, *et al.*, 2010.
- *‡153/13.1×2. **Lolium** ×**boucheanum** (**L. perenne** × **L. multiflorum**) (a hybrid rye-

- grass). +Edge of drainage ditch about 2m deep in semi-improved grassland, Mwche, SN3232.1193, BSBI Meeting, 2010, det. A.O.Chater. Planted in adjacent field; +In semi-improved rocky bank by side of grassy track, Sychnant, Llanedi, SN6001.0744, A.O.Chater, G.M.Kay, J.P.Poland, *et al.* Planted in adjacent field; both 2010.
- +‡153/13.2. **Lolium multiflorum** (Italian Rye-grass)(Rhygwelw yr Eidal). In semi-improved rocky bank by side of grassy track, Sychnant, Llanedi, SN6001.0744, A.O.Chater, G.M.Kay, J.P.Poland, *et al.*, 2010. Planted in adjacent field.
- +153/24.1. **Glyceria maxima** (Reed Sweet-grass)(Melyswelw y Gamlas). Riverbank by Afon Tywi, Johnstown, Carmarthen, SN40.18, J.Fraser, R.Harding, S.Rankin & J.Welsh; Forming densely vegetated tall fen with *Typha latifolia* and encroaching bramble and willow by overgrown pond, Tirydail Tip, Ammanford, SN6169.1303, R.D.Pryce; +‡By pond, Llwyn-y-Piod, Trapp, SN6428.1906, R.D.&K.A.Pryce & A.&I.Ellison, 2010. Originally introduced >10 years ago; all 2010.
- +‡153/46.2. **Polypogon viridis** (Water Bent)(Barfwelw y Dwr). +©Garden weed, Tyrwaun, Pwll, SN46966.01277; +© Abundant in drive and at base of external wall, 87-91 Denham Avenue, Llanelli, SN495.013; both I.K.Morgan, 2010.
- +153/54.2. **Brachypodium sylvaticum** (False-brome)(Breichwelly y Coed). Coastal dunes, Pembrey Burrows LNR, SS42.99, G.M.Kay, M.Smith, M.Stead *et al.*, 2010. 1st record for v.c.44 part of hectad.
- ⊗‡153/70.ita. **Setaria italica** (Foxtail Bristle-grass)(Cibogwelly yr Eidal). ©2 plants in disturbed ground by small bonfire site with birdseed origin grasses adjacent, Caegar, Llwynhendy, SN54609.00224, R.D.&K.A.Pryce, 2010, **NMW**. 1st recent record.
- *154/1.1.d. **Sparganium erectum** ssp. **oocarpum** (Branched Bur-reed)(Cleddlys Canghennog). Tall fen in dunes, MoD Pendine: SE margin of Witchett Pool, SN28541.07350; Vegetated drainage ditch, MoD Pendine E3 Range, SN2940.0733; both BSBI Meeting, **NMW**, det. A.O.Chater; +By pond constructed in last 10 years in coastal dunes, RAF Pembrey, SN3763.0489, RAF Pembrey Sands Conservation Group meeting, **NMW**, det. R.D.Pryce; all 2010. 1st records for ssp.
- +158/20.2×3. **Hyacinthoides** × **massartiana** (**H. hispanica** × **H. non-scripta**) (Hybrid Bluebell) (Clychau'r-gog Croesryw). ‡Both white-flowered and blue-flowered plants, established from discarded garden material on roadside verge, Llanybydder, SN5206.4397, R.D.&K.A.Pryce, 2010.
- +‡158/24.3. **Allium roseum** (Rosy Garlic)(Garleg Rhosliw). Grass verge, 100m NW of Fronlas, Peniel, SN44491.24052, J.Cox, 2010, **NMW**, det. R.D.Pryce. First reported as *A. oleraceum*. Site visited by RDP who redetermined the 10 plants as *A. roseum*. Growing with *Crocsmia paniculata*, *Carex pendula* and *Iris pseudacorus*, presumably all garden discards.
- +‡158/24.13.b. **Allium ampeloprasum** var. **babingtonii** (Babington's Leek)[Cenhinen Babington]. Scrub on coastal cliff, Gilman Point, Pendine, SN228.077, I.K.Morgan, 2010. 2nd site on the cliffs between Pendine and Marros.
- +‡159/13.1. **Crocsmia paniculata** (Aunt-Eliza)(Modryb Leusa). Grass verge, 100m NW of Fronlas, Peniel, SN44491.24052, R.D.&K.A.Pryce, 2010. With *Allium roseum*, *Carex pendula* and *Iris pseudacorus*, presumably all garden discards.
- 162/15.1. **Pseudorchis albida** (Small-white Orchid)(Tegeirian Bach Gwyn). Mountainside near Trawsnant on Upper Towy, Carms, SN80.49, Rev. A.Ley, 1896,

- BIRM.** 1st v.c. record predating Knight's of 1905 from Mynydd Myddfai. These are the only two v.c. records. Collected as *Gymnadenia albida*. [RDP adds: Trawnant is actually in v.c.46 (SN802492) although the nearby stream is the county boundary, so it is quite possible that the plants were collected from v.c.44. There is no record of *P. albida* from this part of v.c.46. Much of the nearby valley is now flooded by Llyn Brianne].
- +162/23.tro. **Ophrys apifera** var. **trollii** (Bee Orchid)(Tegeirian y Wenynen). Road verge, Berwig Roundabout, Bynea, SS5416.9874, B.&S.Stewart, 2010. 17 bee orchids, 1 var. *trollii*.

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

- +‡2/1.2. **Selaginella kraussiana** (Krauss's Clubmoss)(Cnw-p-fwsogl Krauss). Bishops Palace, Lamphey, SN0184.0092, J.P.Woodman, 2010. Possibly a long established neophyte. 2nd record.
- +7/3.1. **Adiantum capillus-veneris** (Maidenhair Fern)(Briger Gwener). †/©Single plant established at the base of the lime mortared and limewashed back wall of the vine greenhouse just between the wall and the galvanised steel floor tank of warming water, walled garden, Upton, Cosheston, SN02126.04722, S.B.&A.E.Evans, 2010.
- +11/1.2. **Polypodium interjectum** (Intermediate Polypody)(Llawredynen Ganolig). +Hedgebank, Ffordd Aaron Path, St. David's, SM7533.2474; +Bethlehem Chapel, Rudbaxton, SM9892.2109; +Millin Cross Chapel Chapelyard, SM9951.1394; all S.B.&A.E.Evans, 2010.
- +17/3.5. **Dryopteris aemula** (Hay-scented Buckler-fern)(Marchredynen Bêr). W side of treeless hedgebank along about 65m, Crug y Dwy, Crymych, SN16910.30668, J.Steer, 2010. 60-100 plants counted between this NGR at the wall junction and south to SN1688.3056; 1 plant was on the ground about 2m from the bank on the E side.
- +17/3.8. **Dryopteris carthusiana** (Narrow Buckler-Fern)(Marchredynen Gul). New Boardwalk, Llangloffan Fen West, Castle Morris, SM89710.31740, S.B.&A.E.Evans, 2010.
- +‡19/1.1. **Azolla filiculoides** (Water Fern)(Rhedynen y Dwr). Marloes Mere, Marloes, SM776.083, S.&A.Coker, 2008. *Azolla*, often along with *Lemna minuta*, was still present W of Marloes Mere in 2010, S.B.Evans.
- +‡30/1.3. **Papaver somniferum** (Opium Poppy)(Llysiu Cwsg). ©Two small plants flowering on the south side of the road, at Nolton Haven, SM8599.1858, S.B.&A.E.Evans, 2010. They had escaped from the Mariners garden. Other escapes all along the road included lots of *Lysimachia* and *Geranium sanguineum*.
- +31/5.3. **Fumaria bastardii** (Tall Ramping-fumitory)(Mwg-y-ddaeear Grymus). With lots of *Lamium amplexicaule* and 'bucketloads' of *Glebionis segetum* in a maize field margin about half way between the Corse and the farmhouse, Gupton Farm, Castlemartin, SR89403.99456, C.Hurford, 2010.
- +‡36/3.1. **Soleirolia soleirolii** (Mind-your-own-business)(Mam Miloedd). By the church door, Llandeloy Churchyard, SM85691.26701, S.B.&A.E.Evans, 2010.
- +‡43/1.8. **Chenopodium polyspermum** (Many-seeded Goosefoot)(Troed-yr-wydd Amlhadog). Old walled garden, Scolton Manor, Spittal, SM9902.2216,

S.B.&A.E.Evans, 2010.

- 43/8.1. **Salsola kali** (Prickly Saltwort)(Helys Pigog). 1 plant at the N end of beach, Pwll Gwaelod, Dinas Cross, SN0044.3996, S.B.&A.E.Evans, 2010.
- *©45/1.1. **Portulaca oleracea** (Common Purslane)(Porpin). Weed in polytunnels, Pigscot Farm, Herbrandston, SM8728.0772, J.Steer, 2010. It appeared in polytunnels on an organic farm in 2008 but the farmer could not work out what it was. It re-appeared in 2010 and grew into enormous spreading plants. They grew up through the holes in the polythene ground covering. SBE asked for voucher material but by 25 10 2010 all the plants had gone.
- 62/12.3. **Rorippa islandica** (Northern Yellow-cress)(Berwr Melyn Gogleddol). 1 plant appeared on a damp, bare spot on the yard, Jordanston Mountain, St. Florence, SN089.035, M.Sutton, det. J.P.Woodman & A.Jones; 100's of plants on disturbed ground and track at disused colliery. Grove Colliery, Pleasant Valley, Stepside, SN1396.0711, J.P.Woodman; both 2010.
- 64/1.1. **Empetrum nigrum** (Crowberry)(Creiglusen). Covering an area of roughly 1×1m in small fenced enclosure by its NW corner, Tafarn y Bwlch Water Enclosure, Mynydd Preseli, SN0837.3305, J.Hudson, 2010.
- +‡72/1.1. **Escallonia macrantha** (Escallonia)(Esgalonia). +1 plant had seeded into the roadside wall, Front garden wall of Kendor, Dinas Cross, SN01205.38902, S.B.&A.E.Evans; +In slate quarry waste used to surface car park. Rhos-y-gilwen Overflow Car Park, Cilgerran, SN2046.4074, S.B.Evans; both 2010.
- +‡73/3.1. **Sempervivum tectorum** (House-leek)(Llyisiau Pen Tai). A good stand on top and upper side of roadside wall to chapelyard, Bethlehem Chapel, Rudbaxton, SM9892.2109, S.B.&A.E.Evans, 2010.
- +‡73/5.7. **Sedum spurium** (Caucasian-stonecrop)(Briweg y Cawcasws). SE roadside wall at the front of, Newton Cottage, Bosherton, SR96363 93909, S.B.Evans, 2010.
- +‡74/8.1. **Tellima grandiflora** (Fringecups)(Clychau'r Clawdd). ©Scattered plants in flower on the W side of the informal car park. Chapel car park at NE side of Spittal Tunnel, Rudbaxton, SM9609.2300, S.B.&A.E.Evans, 2010.
- ⊕75/15.2. **Agrimonia procera** (Fragrant Agrimony)(Llyisiau'r-dryw Pêr). Stepside Iron Works, Pleasant Valley, Stepside, SN1388.0761, J.P.Woodman, 2010.
- *77/15.2. **Lathyrus japonicus** (?var. *pellitus*) (Sea Pea)(Ytbysen Arfor). Level shingle/ small cobbles/ coarse sand at the top of the beach at about the level of extreme Spring Tides, Ceibwr Bay, Moylegrove, SN11046.45659, S.Phillips, 2010, det. D Pearman. A non-flowering plant had leaves and upper stems which were distinctly hairy = ?var. *pellitus*. Determination as *L. japonicus* confirmed by David Pearman. 1st record of species and var.
- ⊗‡77/17.2. **Melilotus albus** (White Melilot)(Yr Wydro Wen). Broomhill Burrows, SM889.003, M.Sutton, 2010. 1st recent record.
- +‡84/1.12. **Epilobium brunnescens** (New Zealand Willowherb)(Helyglys Seland Newydd). In slate quarry waste used to surface the overflow car park, Rhos-y-gilwen Overflow Car Park, Cilgerran, SN2046.4074, S.B.Evans, 2010.
- +‡91/2.08. **Euphorbia helioscopia** (Sun Spurge)(Llaethlys yr Ysgyfarnog). In relatively newly planted field of swedes by coast path at Penfathach, Llanwnda, SM9424.4029, S.B.&A.E.Evans, 2010.

- +94/1.1. **Linum bienne** (Pale Flax)(Llin Culddail). 1 plant on edge of the yard, perhaps arrived with the limestone chippings used to resurface, Jordanston Mountain, St Florence, SN089.035, M.Sutton, 2010.
- +95/1.1. **Polygala vulgaris** (Common Milkwort)(Amlaethai Cyffredin). Below Carn Alw, Eglwysrw, SN14101.34385, H.Williams, 2010. Large (c.150mm) white flowered *Polygala vulgaris* so possibly ssp. *collina* which, if confirmed would be a new record.
- +106/1.2.b. **Hedera helix** ssp. **hibernica** (Atlantic Ivy)(Iorwg yr Iwerydd). Llys-y-fran Reservoir, SN040.250, F.Gomersall, 2010.
- ⊗†107/7.1. **Scandix pecten-veneris** (Shepherd's-needle)(Nodwydd y Bugail). ©5 plants in eastern chicken run, Plantation, Somerton Farm, Hundleton, SM93277.00530, H.&D.Harries, 2010. 1st recent record but only casual. The chickens had been moved out in April 2010 after some 10 years of continuous use. 3 of the plants were flowering. 1 plant reached 40cms. in length. It would seem that its appearance in the chicken run is more likely to be a result of an accidental introduction of seed with the chicken feed or lawn seed rather than from long buried seed.
- +107/40.1. **Pastinaca sativa** (Wild Parsnip)(Panasen Wylt). †A single low but flowering plant was found on the edge of the concrete track S side of grass airfield, Castlemartin, SR93111.96362, S.B.Evans, S.Coker, B.Haycock, J.Hodges, J.Hudson, 2010. A larger plant was then seen c.100-200m to the E.
- †110/7.1. **Solanum lycopersicum** (Tomato). ©1 tiny plant seeded into the pavement/house wall junction, New Street, St. David's, SM7542.2533, S.B.&A.E.Evans, 2010.
- †116/3.1. **Pulmonaria officinalis** (Lungwort)(Llysiau'r Ysgyfaint). Basal leaves found on a cut hedgebank on minor road to Picton/Rhos S from the A40, Uzmaston, SM997.156, S.Devonald, 2010.
- +†116/6.4. **Anchusa arvensis** (Bugloss)(Llysiau'r-gwrid y Tir âr). Western chicken run, in plantation, Somerton Farm, Hundleton, SM93269.00536, H.&D.Harries & S.B.&A.E.Evans, 2010.
- +118/1.5×6. **Stachys ×ambigua** (**S. sylvatica** × **S. palustris**) (Hybrid Woundwort) (Briwlys Croesryw). Just below the footbridge over the stream on the W side, Mun's Mouth, Herbrandston, SM86374.07062, S.B.&A.E.Evans, 2010.
- +†118/5.3. **Lamium purpureum** (Red Dead-nettle)(Marddanhadlen Goch). Sandy corner of maize crop, Gupton Farm, Castlemartin, SR8926.9891, S.B.Evans, 2010.
- +†118/5.4. **Lamium hybridum** (Cut-leaved Dead-nettle)(Marddanhadlen Dorddail). Sandy corner of maize crop, Gupton Farm, Castlemartin, SR8926.9891, S.B.Evans, 2010.
- +†118/5.6. **Lamium amplexicaule** (Henbit Dead-nettle)(Marddanhadlen Goch Ddeilgron). Lots with 'bucketloads' of *Glebionis segetum* in a maize field margin about half way between the Corse and the farmhouse, Gupton Farm, Castlemartin, SR89403.99456, C.Hurford, 2010.
- 121/2.1. **Littorella uniflora** (Shoreweed)(Beistonnell Ferllyn). Pool on the floor of the old oil refinery tank base, South Hook Liquid Natural Gas Plant, Herbrandston, SM86951.06618, S.B.&A.E.Evans, 2010.
- ⊗†124/1.2. **Verbascum virgatum** (Twiggy Mullein)(Pannog Fain). Growing on the slate quarry waste that had been used to surface the overflow car park, Rhos-y-gilwen Overflow Car Park, Cilgerran, SN2046.4074, S.B.Evans, 2010.

- +124/2.2. **Scrophularia auriculata** (Water Figwort)(Gwrnerth y Dwr). New Boardwalk, Llangloffan Fen West, Castle Morris, SM897.317, S.B.&A.E.Evans, 2010.
- +†124/16.19. **Veronica agrestis** (Green Field-speedwell)(Rhwyddlwyn-y-maes Gwyrdd). Small flower bed by the road in the chapel hall pull in and on bare ground nearer this hall. Gelli Chapel, Llawhaden, SN0827.1951, S.B.&A.E.Evans, 2010.
- +‡129/1.9. **Campanula portenschlagiana** (Adria Bellflower)(Clychlys Adria). King Street terrace retaining wall, Newport, SN060.388, S.B.&A.E.Evans, 2010.
- +‡131/5.1. **Leycesteria formosa** (Himalayan Honeysuckle)(Bachgen Llwm). At least two fruiting plants on the roadside wall to the castle enclosure, wall around Roch Castle, SM8804.2115, S.B.Evans, 2010.
- +‡131/6.6. **Lonicera japonica** (Japanese Honeysuckle)(Gwyddfifd Japan). Large patch flowering by the cattle grid, NE side of road, Dowrog Common, SM7785.2714, S.B.&A.E.Evans, 2010. It would have arisen from garden waste that is still being dumped there.
- *‡135/11.2. **Centaurea montana** (Perennial Cornflower)(Y Benlas Luosflwydd). Chapelyard and roadside hedgebank, opposite Bethlehem Chapel, Rudbaxton, SM98933.21067, S.B.&A.E.Evans, 2010. 1st record for v.c. There have been earlier records especially from church and chapelyards but this is the first where it appears to be well naturalised.
- +135/30.4. **Filago minima** (Small Cudweed)(Edafeddog Fach). About 100 plants – many robust and multi-branched – on the NE side of the overflow car park, Rhos-y-gilwen, Cilgerran, SN2047.4075, S.B.Evans, 2010.
- +‡135/32.1. **Anaphalis margaritacea** (Pearly Everlasting)(Edafeddog Hirhoedlog). Two stands in 3×1 paces on the 1.5m high hedgebank of the old farmyard walls/banks around old enclosures W of the coast path, Crincoed, National Trust Penanglas, Goodwick, SM94810.39881, S.B.&A.E.Evans, 2010.
- +‡135/79.1. **Helianthus annuus** (Sunflower)(Blodyn yr Haul). ©Two small plants in the sandy corner on the E side of the harbour opposite the car park, E side of top of Solva Harbour, SM80574.24254, S.B.Evans, 2010.
- +*135/80.2. **Galinsoga quadriradiata** (Shaggy-soldier)(Galinsoga Blewog). ©Several flowering plants in front of the wall of the bungalow on the corner, Cilau Ganol, Llanwnda, SM93987.39667, S.B.&A.E.Evans, 2010. Ripe fruits with terminal projections to pappus scales.
- +‡147/5.2.b. **Arum italicum** ssp. **italicum** (Italian Lords-and-Ladies)(Pidyn-y-gog Eidalaid). Parrog, Newport, SN0492.3966, S.B.&A.E.Evans, 2010.
- +‡151/1.2. **Juncus tenuis** (Slender Rush)(Brwynen Fain). On slate quarry waste used to surface car park, Rhos-y-gilwen overflow car park, Cilgerran, SN2046.4074, S.B.Evans, 2010.
- *151/1.26.spi. **Juncus effusus** var. **spiralis** (Corkscrew Rush). A single plant in semi-improved wet grassland, Glan-y-mor Field, Dinas Cross, SN02401.38624, S.B.Evans, 2010. 1st published record for var.
- +152/16.31. **Carex pendula** (Pendulous Sedge)(Hesgen Bendrom). Semi-improved hay meadow, near Marloes Beacon, Marloes, SM784.085, F.Gomersall, 2010.
- ⊕152/16.55. **Carex pilulifera** (Pill Sedge)(Hesgen Bengron). Trevallen Downs, St Govan's Head, Bosherton, SR96774.93051, S.B.Evans, 2010.

- +152/4.1. **Bolboschoenus maritimus** (Sea Club-rush)(Ysbigfrwynen y Morfa). Hoopers Point end of Marloes Sands, SM7895.0696, S.B.Evans, 2010. Two clumps still present E of the concrete block. Seen here by SBE every year since 2000.
- +153.26.1. **Avenula pubescens** (Downy Oat-grass)(Ceirchwellt Blewog). Growing on the lawn top of the Ha Ha wall, Rhos-y-gilwen, Cilgerran, SN20437.40577, S.B.Evans, 2010.
- +153/14.1. **Vulpia fasciculata** (Dune Fescue)(Peisgwelwllt y Twyni). On a little pile of sand in the walk through Leemur enclosure, Manor House Wildlife Park, St Florence, SN0906.0233, J.P.Woodman, 2010. The rest of the enclosure was a forest of *Festuca gigantea*.
- +‡153/17.3. **Briza maxima** (Greater Quaking-grass)(Crydwelwllt Mawr). Walled Garden, Upton, Cosheston, SN021.047, S.B.&A.E.Evans, 2010.
- +153/21.2. **Catapodium marinum** (Sea Fern-grass)(Gwenithwellt y Morfa). Penfathach Headland, Llanwnda, SM940.405, S.B.&A.E.Evans, 2010.
- +©153/28.5. **Avena sativa** (Oat)(Ceirchen). By the newly created side entrance to Rostrevor in disturbed ground. Rostrevor, Fishguard, SM95509.37438, S.B.&A.E.Evans & J.&J.Edge, 2010.
- +153/32.1. **Deschampsia cespitosa** (Tufted Hair-grass)(Brigwellt Garw). Cliff flush, N of Ciliau Moor, Llanwnda, SM93964.40404, S.B.&A.E.Evans, 2010.
- +‡158/20.3. **Hyacinthoides hispanica** (Spanish Bluebell)(Clychau'r-gog Sbaenaidd). St Petrox Church-yard, SR9708.9755, S.B.Evans, 2010. A patch in flower – specimen collected and checked by position of stamen fusion point near base of perianth. Also a clump on the grassy hedgebank on the north side of the road through Range E to St Govan's car park alongside the demolished Castle Tank farm at SR9646.9352.
- +©158/24.por. **Allium porrum** (Leek)(Cenhinen). 4 about to flower leeks in a cluster, growing in rough brambly edge between tarmac and base of high old wall, seaward front of the high Amroth Castle Wall, SN1704.0720, S.B.Evans, 2010. The leeks are assumed to be casuals from garden throw outs. The leaves were more than 4cm wide and the spathe was still on the unopened flowers.
- *‡158/31.1.b. **Leucojum aestivum** ssp. **pulchellum** (Summer Snowflake)(Eiriaidd yr Haf). A clump found near the road slightly to the north of Brynhedydd, Waun Caerfarchell, St Davids Airfield Heaths, SM797.265, S.Devonald, 2010.

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

- +17/1.2. **Polystichum aculeatum** (Hard Shield-fern)(Gwrychredynen Galed). Railway cutting, Ystradmeurig, SN710.673, R.G.Liford, 2010.
- +17/3.2×3.c. **Dryopteris** × **critica** (**D. filix-mas** × **D. borrieri**) (a hybrid fern). Mixed woodland, Cwm Woods, SN5991.8336, A.C.Pigott & BPS Field Meeting, 2010.
- +27/1.1. **Ceratophyllum demersum** (Rigid Hornwort)(Cyrnddail Caled). Lake, Maesllyn, Tregaron, SN693.628, A.Ley, 1886, **BIRM**, 70 years earlier than previous record here, confirming native status.
- +‡36/1.2. **Urtica urens** (Small Nettle)(Danhadlen Fach). Disturbed ground by sewage treatment works, Capel Bangor, SN658.801, S.P.Chambers, 2010.

- +46/5.3. **Stellaria pallida** (Lesser Chickweed)(Gwlyddyn-y-dom Bach). Pavement, Borth, SN6083.8951, S.P.Chambers, 2010.
- +46/7.10. **Cerastium diffusum** (Sea Mouse-ear)(Clust-y-llygoden Arfor). Waste ground on lead mine, Frongoch, SN722.744, A.O.Chater, A.D.Hale & R.G.Woods, 2010.
- *‡46/GYP.mur. **Gypsophila muralis** (Annual Gypsophila). Garden weed, Llanerchaeron, SN480.601, A.Vaughan, 2010, conf. A.O.Chater. Grown here a few years earlier.
- *‡47/3.2. **Fagopyrum dibotrys** (Tall Buckwheat)(Gwenith-yr-hydd Tal). Dense colony 7×4m in wood margin by road, Aber-porth, SN2555.5152, A.O.Chater, 2010, **NMW**. 1st county and 2nd British record.
- +57/1.12.a. **Viola tricolor** ssp. **tricolor** (Wild Pansy)(Trilliw). Lead mine ruin, Frongoch, SN722.744, A.O.Chater, A.D.Hale & R.G.Woods, 2010.
- +‡62/10.1. **Matthiola incana** (Hoary Stock)(Murwyll Lledlwyd). Base of wall, Blaenplwyf chapel, SN575.755, S.P.Chambers, 2010.
- +‡65/8.3. **Gaultheria mucronata** (Prickly Heath)(Gweunlwyn Pigog). Colony c.3×6m on heathy trackside by Forestry plantation, Esgair Goch, SE of Llanddewi Brefi, SN6746.5300, S.P.Chambers, 2010.
- +69/1.3. **Primula veris** (Cowslip)(Briallen Fair). Upland pasture, 200m W of Bryntairlyn, Llyn Fanod, SN601.639, W.Dando, 2010.
- +‡75/12.1. **Potentilla indica** (Yellow-flowered Strawberry)(Llwyn Mefus Melyn). Roadside bank, 2km N of Bronnant, SN6397.6983, A.Stephenson, 2010.
- +‡75/28.7. **Sorbus intermedia** (Swedish Whitebeam)(Cerddinen Sweden). 3 self-sown trees on disused railway embankment, Trawsgoed, SN663.738, A.O.Chater & R.Maskew, 2010.
- +77/10.3. **Ornithopus perpusillus** (Bird's-foot)(Troed yr Aderyn). Rocky mound, 300m E of Cruglas, Cors Caron, SN7002.6535, A.O.Chater & R.Maskew, 2010.
- +77/15.12. **Lathyrus nissolia** (Grass Vetchling)(Ytbysen Feinddail). †Pathside, above Llanbadarn Road, Aberystwyth, SN594.814, F.M.Slater, 1965.
- +‡80/1.1. **Gunnera tinctoria** (Giant-rhubarb)(Rheonllys Mawr). +By track in wet wood, near Allt y Bie, Capel Tygwydd, SN2615.4382; +Streambank in wood, N of Llanddeiniol church, SN559.721; both S.P.Chambers, 2010.
- +84/6.1×2. **Circaea ×intermedia** (**C. lutetiana** × **C. alpina**) (Upland Enchanter's-nightshade) (Llysiâu-Steffan yr Ucheldir). Wood margin by road, Coed Rhiwbren Fawr, 2km E of Oakford, SN472.573, S.P.Chambers, 2010.
- +103/1.07. **Geranium pratense** (Meadow Crane's-bill)(Pig-yr-aran y Weirglodd). †Overgrown former refuse tip, Pendinas, Aberystwyth, SN584.799, A.O.Chater, 2010.
- +‡116/6.4. **Anchusa arvensis** (Bugloss)(Llysiâu'r-gwrid y Tir âr). †Overgrown former refuse tip, Pendinas, Aberystwyth, SN585.799, A.O.Chater, 2010.
- +‡117/1.1. **Verbena officinalis** (Vervain)(Y Ferfain). Pathside by picnic site, Glanyrafon, Llanbadarn Fawr, SN6108.8040, A.O.Chater, 2010.
- +‡133/1.2. **Valerianella carinata** (Keeled-fruited Cornsalad)(Gwylaeth-yr-oen Ffrwythau Rhychog). Roadside by quarry, Llan-non, SN518.666, A.O.Chater, 2010.
- *135/25.7.66. **Taraxacum hesperium** (Western Dandelion). Copse by stream, Chancery, SN581.766, A.O.Chater, 1976, **NMW**, det. A.J.Richards 2010. Previously det. A.J.Richards 1976 as *T. maculatum*.
- +135/27.2×6.sto. **Pilosella ×stoloniflora** nothosp. **schuriana** (**P. officinarum** × **P.**

- aurantiaca** ssp. **carpathicola**) (a hybrid Mouse-ear-hawkweed). Waste ground by parking lot, Tal-y-bont, SN6548.8954, R.Stuttard, 2010, NMW, conf. A.O.Chater. The parents, both close by, are *P. aurantiaca* ssp. *carpathicola* and *P. officinarum* ssp. *trichosoma*. 2nd record and 1st as a native.
- ⊗‡135/74.1. **Ambrosia artemisiifolia** (Ragweed)(Bratlys). ⊗Garden weed, Pantygwenith, Bryngwyn, SN303.454, L.R.Gander, 2009, det. A.O.Chater; ⊗Garden weed, Building Covert, Nanteos, SN6265.7870, I.Finlay & R.Shaw, 2010, NMW. 1st records as a neophyte.
- *‡145/Oro.aqu. **Orontium aquaticum** (Goldenclub). Planted and naturalised by shore of lake, Llyn Syfydrin, SN720.845, A.J. & G.Morton, 2010, conf. A.O.Chater. 1st Welsh record.
- +‡147/2.1. **Lysichiton americanus** (American Skunk-cabbage)(Pidyn-y-gog Americanaidd). Swamp by stream, 1.5km N of Tregroes, SN406.463, S.P.Chambers, 2010.
- +‡148/2.4. **Lemna minuta** (Least Duckweed)(Llinad Bach). Ditch, Cors Caron, SN705.651, A.O.Chater & R.Maskew, 2010.
- +151/1.26×27. **Juncus ×kern-reichgeltii** (**J. effusus** × **J. conglomeratus**) (a hybrid rush). Fen, Frongoch Farm, SN608.828, A.O.Chater, 2010.
- +152/16.43. **Carex extensa** (Long-bracted Sedge)(Hesgen-yr-heli Bractau Hir). Low sea cliff, E side of Cwmttydu bay, SN3563.5759, S.P.Chambers, 2010.
- +153/12.4. **Festuca altissima** (Wood Fescue)(Peiswellt y Coed). By Afon Tywi above Ystrad-ffin, c.SN784.476, A.Ley, 1890, **BIRM**, det. J.B.Phipps.
- +‡153/52.1. **Anisantha diandra** (Great Brome)(Pawrwellt Mawr). Road verge in wood, Cwm Goetre, Aberaeron, SN460.622, A.O.Chater, 2010.
- +‡153/68.1. **Echinochloa crus-galli** (Cockspur)(Cibogwellt Rhydd). Weedy strip by sports field, Aberaeron, SN458.631, F.Newbery, 2010. .
- +‡153/70.pum. **Setaria pumila** (Yellow Bristle-grass)(Cibogwellt Melyn). Weedy strip by sports field, Aberaeron, SN458.631, F.Newbery, 2010. 1st record as a neophyte.
- ⊗‡153/72.1. **Sorghum halepense** (Johnson-grass)(Sorgwm Porthiant). Waste ground by pet shop, Trefechan, Aberystwyth, SN5825.8120, A.O.Chater, 2010. 1st record as a neophyte.
- ⊗‡153/PAN.mil. **Panicum miliaceum** (Common Millet)(Miled). Weedy strip by sports field, Aberaeron, SN458.631, F.Newbery, 2010. 1st record as a neophyte.
- *‡157/1.1. **Pontederia cordata** (Pickerelweed)(Picirelys). Shore of lake, Llyn Syfydrin, SN720.845, A.J. & G.Morton, det. A.O.Chater; +Two patches naturalised at pond margin, Aberystwyth golf course, SN594.828, A.O.Chater & A.D.Hale; both 2010.
- +‡158/31.1.b. **Leucjum aestivum** ssp. **pulchellum** (Summer Snowflake)(Eiri'iaidd yr Haf). Pathside, footpath above North Road, Aberystwyth, SN589.821, A.O.Chater, 2010.
- +‡159/8.2. **Crocus tommasinianus** (Early Crocus)(Saffrwm Cynnar). Abundantly naturalised over area 20×20m in mixed estate woodland, Pencraig, Llechryd, SN217.440, R.Penrose & L.R.Gander, 2010, det. A.O.Chater.

MONTGOMERY, v.c. 47 (comm. Dr A.K. Thorne)

- +74/5.19. **Saxifraga tridactylites** (Rue-leaved Saxifrage)(Tormaen Tribys). Flood defences (sloping masonry), River Severn, Newtown, SO106.916 – SO107.918, A.Hotchkiss, 2011.
- *75/28.sti. **Sorbus stirtoniana** T.C.G. Rich, (Stirton's Whitebeam). Craig Breidden, SJ288.141, Anon, 1955, **CGE**; SJ28.14, R.G.Woods & M.E.Massey, 1975, **CGE**; SJ2.1 (X), R.G.Woods, 1977, **CGE**; SJ28.14, G.Wilson & M.C.F.Proctor, 1990, **NMW**; all originally det. as *S. leptophylla*, re-det. T.C.G.Rich; SJ288.139, C.A.Charles, L.Houston, A.Law, & T.C.G.Rich, 2001, **NMW**, det T.C.G.Rich. 1st 'fresh' specimen determined as *Sorbus stirtoniana*.
- ⊕†118/6.3. **Galeopsis speciosa** (Large-flowered Hemp-nettle)(Y Benboeth Amryliw). Pontrobert, SJ1.1(B), T.Stretton, 2010. New tetrad. 1st hectad record this century.
- +124/20.5.b. **Euphrasia arctica** ssp. **borealis** (Arctic Eyebright)(Effros yr Arctig).
+Several plants in hay meadow, Gweunydd Ceunant SSSI, SJ111.115, A.K.Thorne;
+Several plants in trackside grassland, Hafren Forest, SN8.8(N), Montgomery Flora Group, det. A.K.Thorne; both 2010.
- +154/1.3. **Sparganium angustifolium** (Floating Bur-reed)(Cleddlys Arnofiol).
+Abundant in small upland pool, Sweet Lamb, Llangurig, SN83.85, A.K.Thorne;
+Reservoir, N of Llanwddyn, SJ02.21, R.A.Dawes & S.Swindells; both 2010.

MERIONETH, v.c. 48 (comm. R.Gritten)

- ⊕6/1.1. **Osmunda regalis** (Royal Fern)(Rhedynden Gyfrdwy). Cwm Nantcol, SH62.26, G.M.Tordoff, 2010.
- +15/2.1. **Asplenium adiantum-nigrum** (Black Spleenwort)(Duegredynen Goesddu). In quantity on roadside mortared wall, Plas Canol, Llanaber, SH5.1, P.M.Benoit, 2010.
- +15/2.4. **Asplenium marinum** (Sea Spleenwort)(Duegredynen Arfor). Crevice in a sea wall, Mochras, SH56.27, A.N.&J.E.Graham, 2010.
- +‡20/3.1. **Tsuga heterophylla** (Western Hemlock-spruce)(Sbriwsen-Hemlog y Gorllewin). Commonly seeding in 'natural' vegetation on roadside banks, at Bontnewydd; Dolgellau, SH7.2, P.M.Benoit, 2010.
- +‡20A/CRY.jap. **Cryptomeria japonica** (Japanese Red-cedar)(Cochwydden Japan). Self-sown in a felled plantation, Bala, Llanfor, SH9.3(I), S.E.Stille, 2010. 2nd record.
- ⊕26/1.1. **Nymphaea alba** (White Water-lily)(Alaw). Llyn Caereuni, SH94(V), S.E.Stille, 2010.
- ⊕26/2.1. **Nuphar lutea** (Yellow Water-lily)(Lili'r-dwr Felen), 48, Merioneth:, Llyn Caereuni, SH9.4(V), S.E.Stille, 2010.
- ⊕28/2.1. **Trollius europaeus** (Globoseflower)(Cronnell). Cwm Nantcol, SH62.26, G.M.Tordoff, 2010.
- ⊗28/17.3. **Thalictrum flavum** (Common Meadow-rue)(Arianllys). ‡Extensive patch alongside road, Garthlwyd, SH9.3(Y), S.E.Stille & J.A.Green, 2009 & 2010, SES photo. Introduced, apparently persistent since pre-1919 (Big Database).
- *‡35/1.1. **Morus nigra** (Black Mulberry)(Morwydden). Old scrubby growth, Croesor

- Valley, SH6.4, R.H.Gritten; +Single small tree, at Dolycae, Talyllyn, SH7.1, P.M.Benoit; both 2010 & earlier. Both planted originally.
- ⊕39/4.6. **Quercus robur** (Pedunculate Oak)(Derwen Mes Coesynnog). †Shrubs frequent by roadside and disused railway track, Penmaenpool, SH6.1, P.M.Benoit, 2010. Originally planted
- +‡47/1.2. **Persicaria campanulata** (Lesser Knotweed). ©Waste ground near stream near Egryb Abbey, Talybont, SH5.3, P.M.Benoit, 2010. A further escape into a new hectad from a previously recorded site.
- +50/1.1. **Elatine hexandra** (Six-stamened Waterwort)(Gwybybyr Chwebrigerog). Lake shore, Llyn Caereuni, SH98.40, BSBI Field Meeting, 2010, det. W.N.McCarthy.
- ⊕62/12.2. **Nasturtium microphyllum** (Narrow-fruited Water-cress)(Berwr-y-dwr Bach). Edge of stream near Egryb Abbey, Talybont, SH5.2, P.M.Benoit, 2010. Pollen normal.
- ⊕69/6.1. **Anagallis tenella** (Bog Pimpernel)(Gwlyddyn-Mair y Gors). Morfa Dyffryn, SH5.2(M), Merioneth Naturalists' Group, 2010.
- ⊕77/14.1. **Vicia orobus** (Wood Bitter-vetch)(Ffacbysen Chwerw). Llyn-iarth, SH70.17, A.N.Graham & J.E.Graham, 2010.
- ⊕77/25.3. **Genista pilosa** (Hairy Greenweed)(Corfanhadlen Flewog). Upland rocks, Llyn y Gafr (below) – Fox's Path, SH71.14, Meirionnydd Naturalists' Group, 2010. 1st v.c. record this millennium.
- ⊕84/6.1×2. **Circaea ×intermedia** (**C. lutetiana** × **C. alpina**) (Upland Enchanter's-nightshade) (Llysiau-Steffan yr Ucheldir). Woodland ride, Penmaen, SH9.3(J), S.E.Stille, 2010, conf. W.N.McCarthy.
- ⊕84/1.7. **Epilobium roseum** (Pale Willowherb)(Helyglys Gwelw). †Suddenly appeared in quantity where not previously known, at base of walls, Ship Hotel and thereabouts, Dolgellau, SH7.1, P.M.Benoit, 2010. Hectad updating from 1966 when it was likewise an 'alien' † occurrence.
- +91/2.16. **Euphorbia amygdaloides** (Wood Spurge)(Llaethlys y Coed). Woodland ride, Glan Dulas, SH7.0(L), S.E.Stille & J.T.Hughes; 2010. New hectad record but known here from at least 1970s (from W.M.&P.S.Condry & G.Mill).
- ⊕‡116/4.3. **Symphytum tuberosum** (Tuberous Comfrey)(Cyfardwf Glorog). ⊕Roadside, Coed Bodwenni, SH93(S); ⊕Common, Llandrillo, SJ0.3(I); both, S.E.Stille, 2010.
- +‡124/4.2. **Mimulus guttatus** (Monkeyflower)(Blodyn Mwnci). In stream at Egryb Abbey, Talybont, SH5.2, P.M.Benoit, 2010. Pollen normal.
- ⊕129/6.1. **Jasione montana** (Sheep's-bit)(Clefryn). Allt y Benglog, SH8.2(B), Meirionnydd Naturalists' Group, 2010.
- ⊕129/7.3. **Lobelia dortmanna** (Water Lobelia)(Bidoglys y Dwr). Llyn Caereuni, SH.94 (V), BSBI Field Meeting, 2010.
- ⊕132/1.1. **Adoxa moschatellina** (Moschatel)(Mwsglys). Roadside, Ffridd Gelli-Grin, SH9.3(L), S.E.Stille, 2010.
- ⊕135/31.1. **Antennaria dioica** (Mountain Everlasting)(Edafeddog y Mynydd). 5 plants, Cae-heud, SH77.23, G.M.Tordoff, 2010.
- ⊕135/33.5. **Gnaphalium uliginosum** (Marsh Cudweed)(Edafeddog y Gors). Muddy ruts in hill pasture near Egryb Abbey, Talybont, SH5.2, P.M.Benoit, 2010.
- ‡135/71.2. **Petasites japonicus** ♂ (Giant Butterbur)(Yr Alan Mwyaf). In river bed, Afon

- Clywedog, Torrent Walk, Dolgellau, SH7.1, discovered K.M.Stevens, 1964. Shown to PMB in 1969; probably originated as a throw-out from the neighbouring Caerynwch garden; In great quantity on S bank of Afon Wnion, near Bryngwin, Dolgellau (down-river from the last), SH7.1, P.M.Benoit & J.M.Maynard, 2011. 1st reported in c.1994; A large patch on same river bank yet further downstream, near Tolrafon, Dolgellau, SH7.1, P.M.Benoit, 2002; also P.M.Benoit & J.M. Maynard, 2011.
- ‡135/71.3. **Petasites albus** ♂ (White Butterbur)(Alan Bach). See *BSBI Welsh Bulletin* **80**: 31 (2007) where 20 inflorescences along 9m of a laneside near Bodlondeb, Dolgellau, in 2006 were recorded. By 2011 the patch had increased to c.150 inflorescences along 13m of the laneside. PMB.
- 137/3.1. **Luronium natans** (Floating Water-plantain)(Llyriad-y-dwr Arnofiol). Llyn Caereuni, SH98.40, BSBI Field Meeting, 2010, SES photo. New site and hectad record for this nationally scarce species.
- ⊕152/16.16. **Carex leporina** (Oval Sedge)(Hesgen Hirgron). Hill pasture near Egryb Abbey, Talybont, SH6.2, P.M.Benoit, 2010.
- ⊕152/16.26. **Carex riparia** (Greater Pond-sedge)(Hesgen-y-dwr Fawr). A colony c.15×3m along edge of stream channel, between Afon Dylif & road near Hafod Garregog, SH6.4, P.M.Benoit, 2010.
- ⊕153.26.1. **Avenula pubescens** (Downy Oat-grass)(Ceirchwellt Blewog). Benglog fields, SH8.2(B), Meirionnydd Naturalists' Group, 2010, det. M.C.Rand.
- ⊕153/30.1. **Trisetum flavescens** (Yellow Oat-grass)(Ceirchwellt Melyn). Churchyard, Llandrillo, SJ0.3(I), S.E.Stille & J.A.Green, 2010, det. J.A.Green.
- ⊕154/1.2. **Sparganium emersum** (Unbranched Bur-reed)(Cleddlys Di-gainc). River Dee Oxbow, Cynwyd, SJ05.40, S.E.Stille, 2010
- +154/1.3. **Sparganium angustifolium** (Floating Bur-reed)(Cleddlys Arnofiol). Llyn Caereuni, SH9.4(V), BSBI Field Meeting, 2010.
- ⊕‡159/13.3×aur. **Crocsmia ×crocosmiiflora** (**C. pottsii** × **C. aurea**) (Montbretia)(Crib-y-ceiliog). Several clumps in bed of river, Afon Aran, Dolgellau, SH7.1, P.M.Benoit, 2010.
- ⊕162/16.1. **Gymnadenia conopsea** (Fragrant Orchid)(Tegeirian Pêr). Cae-heuad, SH77.22, G.M.Tordoff, 2010.

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

- +4/1.4×5. **Equisetum ×litorale** (**E. fluviatile** × **E. arvense**) (Shore Horsetail) (Marchrawnen y Glennydd). Field edge by roadside, Dinas Dinlle, SH43.56, W.McCarthy, 2010.
- +6/1.1. **Osmunda regalis** (Royal Fern)(Rhedyen Gyfrdwy). 3 plants on Y Graig Ddu, Nant Gwrtheyrn, SH35.44, I.Edgar, 2010.
- +28/13.10. **Ranunculus auricomus** (Goldilocks Buttercup)(Blodyn-y-menyn Peneuraid). By stream in wood, Vaynol, Bangor, SH53.70, J.Bratton, 2010, det. W.McCarthy.
- +†30/1.5b. **Papaver lecoqii** (Yellow-juiced Poppy). Weedy flower beds, Happy Valley, Great Orme, Llandudno, SH78.83, W.McCarthy, 2010.
- +47/1.6. **Persicaria bistorta** (Common Bistort)(Llysiâu'r Leidr). Roadside bank, probably introduced or escaped, but not near houses, near entrance to Plas Hen,

- Llanystumdwy, SH45.39, Caerns. Rec. Group, 2010.
- ©47/1.cap. **Persicaria capitata** (Pink-headed Persicaria). Pavement weed near church, Mostyn Street, Llandudno, SH78.82, E.Phenna, 2010.
- ⊗#47/3.1. **Fagopyrum esculentum** (Buckwheat)(Gwenith yr Hydd). Arable field, Dinas Dinlle, SH44.54, W.McCarthy, 2010. 1st recent record.
- +#51/1.4. **Hypericum hircinum** (Stinking Tutsan)(Dail-y-Beiblau Drewllyd). Probably self-sown on roadside, Penygroes, SH46.52, W.McCarthy, 2010.
- +#61/2.9. **Salix viminalis** (Osier)(Helygen Wiail). Near riverbank, Glasgwm, Penmachno, SH76.49, W.McCarthy, 2010.
- +#69/4.5. **Lysimachia punctata** (Dotted Loosestrife)(Trewyn Brych). Naturalized by derelict farm-house, Glasgwm, Penmachno, SH76.49, Caerns. Rec. Group, 2010.
- +69/6.3. **Centunculus minimus** (Chaffweed)(Gwlyddyn-Mair Bach). Seepages on banks above the sea, Yr Eifl, Trefor, SH35.46, W.McCarthy, 2010.
- 75/8.0.3. **Rubus saxatilis** (Stone Bramble)(Corfiaren). Basic cliff ledges, Moel yr Ogof, Beddgelert, SH56.47, W.McCarthy, 2010. 1st record at this site since J.E.Griffiths' *Flora of Carnarvon & Anglesey* (1894).
- +75/13.1×2. **Geum ×intermedium (G. rivale × G. urbanum)** (Hybrid Avens)(Mapgoll Groesryw). +Streamside pasture (with both parents) E of Aber Pwll, Y Felinheli, SH53.68, W.McCarthy; +Woodland path along cliff top, Treborth, Bangor, SH54.71, J.Bratton, det. W.McCarthy; both 2010.
- +75/15.2. **Agrimonia procera** (Fragrant Agrimony)(Llysiau'r-dryw Pêr). On cycleway across river from Ogwen Bank caravan park, Bethesda, SH62.65, I.&L.Fraser, 2010.
- +75/21.5. **Rosa spinosissima** (Burnet Rose)(Rhosyn Bwrned). Dumped sandy soil in quarry, Inkerman Bridge, Mynytho, SH28.32, W.McCarthy & M.Stead, 2010.
- +75/22.6. **Prunus avium** (Wild Cherry)(Coeden Geirios Du). Woodland edge, Glasgwm, Penmachno, SH76.49, W.McCarthy, 2010.
- +75/32.35. **Cotoneaster rehderi** (Bullate Cotoneaster)(Cotoneaster Deilgrych Rehder). Self-sown on roadside near Glan Dwr, Chwilog Fawr, SH44.39, W.McCarthy, 2010.
- +#75/32.40. **Cotoneaster sternianus** (Stern's Cotoneaster)(Cotoneaster Stern). Inside harbour wall, and on top of wall, Abersoch, SH31.28, W.McCarthy & M.Stead, 2010.
- +#84/5.1. **Fuchsia magellanica** (Fuchsia)(Ffiwsia). Ditch at roadside on steep hill by Ty'n Hendre, Llanfairfechan, SH62.71, E.Phenna, 2010.
- +#91/1.2. **Mercurialis annua** (Annual Mercury)(Bresychen-y-cwn Flynyddol). In a tiny garden within the town walls, Caernarfon, SH47.62, E.Meilleur, 2010.
- +#103/1.13×pla. **Geranium ×magnificum (G. ibericum × G. platypetalum)** (Purple Crane's-bill) (Pig-yr-aran Borffor). Roadside bank, Between Pistyll and Llithfaen, SH34.42, M.Stead, 2010, det. W.McCarthy.
- +#107/41.2. **Heracleum mantegazzianum** agg. (Giant Hogweed)(Efwr Enfawr). +River bank, Afon Seiont, Caernarfon, SH48.61, M.Stead; +Roadside, Conwy, SH76.78, J.Bratton. Previously recorded in SH71.76 but apparently not reported; both 2010.
- ⊗112/1.3. **Cuscuta epithymum** (Dodder)(Lindag). Scrambling over *Ulex gallii* on heathland, Uwchmynydd, SH14.25, I.&J.Rees, 2010. 1st recent record. Previously recorded only from SH34.
- +#116/4.1×2. **Symphytum ×uplandicum (S. officinale × S. asperum)** (Russian Comfrey)(Cyfardwf Rwsia). Naturalized by derelict farmhouse, Glasgwm, Penmachno,

- SH76.49, Caerns. Rec. Group, 2010.
- +‡118/16.1. **Melissa officinalis** (Balm)(Balm). Dumped soil in quarry, Inkerman Bridge, Mynytho, SH28.32, W.McCarthy, 2010.
- +124/20.5.b. **Euphrasia arctica** ssp. **borealis** (Arctic Eyebright)(Effros yr Arctig). Grassland and wood borders, Coed Elernion, Trefor, SH37.45, W.McCarthy, 2010, det. A.J.Silverside.
- ⊗124/20.6×7. **Euphrasia tetraquetra** × **E. nemorosa** (a hybrid eyebright). Sandy grassland around golf course, Abersoch, SH31.26, W.McCarthy, 2010, det. A.J.Silverside. 1st recent record.
- +130/6.7. **Galium mollugo** (Hedge Bedstraw)(Briwydd y Clawdd). Disturbed ground following landslip & subsequent new road construction, Rhiw, near Aberdaron, SH24.28, W.McCarthy, 2010.
- *‡135/19.2. **Tragopogon porrifolius** (Salsify)(Barf-yr-afr Gochlas). 1 fine plant in dumped rubble on waste ground by railway station, Llandudno, SH78.81, W.McCarthy, 2010.
- +‡135/22.1. **Lactuca serriola** (Prickly Lettuce)(Letusen Bigog). Disturbed roadside following cable laying, Pontllyfni, SH44.53, W.McCarthy, 2010.
- +‡135/22.1. **Lactuca serriola** (Prickly Lettuce)(Letusen Bigog). Roadside bank, Near Parc Menai, Y Felinheli, SH54.69, M.Stead, 2010.
- +‡135/40.4. **Solidago gigantea** (Early Goldenrod)(Eurwialen Gynnar). Roadside bank, Cae Rhos, Rhydlios, SH18.30, W.McCarthy & M.Stead, 2010.
- +‡135/44.1. **Conyza canadensis** (Canadian Fleabane)(Amrhydlwyd Canada). +Disturbed roadside following landslip, Rhiw, near Aberdaron, SH24.28; +Sand dunes behind golf course, Abersoch, SH31.27; both W.McCarthy & M.Stead, 2010.
- +‡135/50.2. **Artemisia verlotiorum** (Chinese Mugwort)(Beidiog Tsieina). Dumped sandy soil in quarry, Inkerman Bridge, Mynytho, SH28.32, W.McCarthy & M.Stead, 2010.
- +‡135/62.3. **Senecio inaequidens** (Narrow-leaved Ragwort)(Creulys Gulddail). +©Roadside bank, Great Orme, Llandudno, SH77.82; +©1 plant by steps near boating pool, W Shore, Llandudno, SH77.82; both W.McCarthy, 2010.
- +146/1.1. **Zostera marina** (Eelgrass)(Gwellt y Gamlas). Many plants on sand, gravel & amongst boulders, Afon Wen, SH44.33, SH43.36, SH43.35, I.&J.Rees, 2010. Previously known only to CCW.
- *152/16.67×69. **Carex** × **decolorans** (**C. nigra** × **C. bigelowii**) (a hybrid sedge). Plateau between Elidir Fach & Elidir Fawr, Bethesda, SH60.61, W.McCarthy, 2010, conf. A.O.Chater. Parent species nearby.
- +152/3.3. **Eleocharis uniglumis** (Slender Spike-rush)(Ysbigfrwynen un Cibyn). Pool in pasture near the sea, Llanfairfechan, SH62.72, J.Bratton, 2010, det. W.McCarthy.
- +153/18.9. **Poa compressa** (Flattened Meadow-grass)(Gweunwellt Cywasgedig). Wall top at roadside, Capel Curig, SH72.58, M.Stead, 2010.
- +153/26.1. **Avenula pubescens** (Downy Oat-grass)(Ceirchwellt Blewog). Herb rich grassland, Moel Lefn, Beddgelert, SH55.48, W.McCarthy, 2010.
- +‡153/62.1. **Cortaderia selloana** (Pampas-grass)(Peithwellt). Dumped soil in quarry, Inkerman Bridge, Mynytho, SH28.32, W.McCarthy, 2010.
- +159/5.8. **Iris foetidissima** (Stinking Iris)(Gellesgen Ddrewllyd). ©Probably introduced

in sandy grassland inside harbour wall, Abersoch, SH31.28, W.McCarthy & M.Stead, 2010.

- +‡159/8.2. **Crocus tommasinianus** (Early Crocus)(Saffrwm Cynnar). 1 plant at edge of playing field, near houses, probably in dumped soil, Llwynnon, Great Orme, Llandudno, SH77.82, W.McCarthy, 2010. 2nd recent record and 1st as a neophyte.
- *‡159/8.fla×ang. **Crocus ×stellaris** (**C. angustifolius** × **C. flavus**) (Yellow Crocus) (Saffrwm Melyn). 1 clump at path side by dunes, far from houses, W Shore, Llandudno, SH77.81, W.McCarthy, 2010.
- +162/18.2×5. **Dactylorhiza ×formosa** (**D. maculata** × **D. purpurella**) (a hybrid marsh-orchid). Marshy field with both parents, Cwm Gward, Clynnogfawr, SH40.48, W.McCarthy, 2010.

DENBIGH v.c. 50 (comm. D.Williams)

- *‡30/1.2. **Papaver atlanticum** (Atlas Poppy)(Pabi'r Atlas). Pavement weed at wall base at the Ruabon Road end of Belmont Road, Wrexham. Erddig, SJ33111.49630, S.P.Chambers, 2010.
- *‡30/6.1. **Eschscholzia californica** (Californian Poppy)(Pabi California). Roadside, Bettisfield Village, SJ4.3(S). D.Williams, 2010.
- ⊗‡31/5.1.b. **Fumaria capreolata** ssp. **babingtonii** (White Ramping-fumitory)(Mwg-y-ddae'r Gwyn). Along wall S side of beach road, near tunnel, Llanddulas, SH9.7(E), D.Williams & J.A.Green, 2010. 1st recent record.
- *‡39/1.1.pur. **Fagus sylvatica** 'Purpurea' (Copper Beech). Bontuchel, SJ0.5(Y), D.Williams, 2009. 1st published record for cv.
- ⊗‡39/2.1. **Nothofagus obliqua** (Roble)(Ffawydden Ddeheuol Roble). ?Planted along boundary wall, Sydallt, SJ3158.5452, J.Shanklin, 2009. 1st recent record & 1st as a neophyte.
- *‡39/4.7. **Quercus rubra** (Red Oak)(Derwen Goch). Planted along canalside, Bettisfield Village, SJ4.3(S), D.Williams, 2010.
- *©40/4.col. **Corylus colurna**, Turkish Hazel)(Collen Twrci). Brymbo Steelworks Site, SJ2913.5362, BSBI, 2010, det. A.O.Chater. Sapling, det. Chater, A.O. Mature tree not identified/found. 1st Welsh record.
- *‡46/18.1. **Lychnis coronaria** (Rose Campion)(Lluglys Gwridog). Building site, Bettisfield Village, SJ4.3(S), D.Williams, 2010.
- ⊗©46/23.1. **Vaccaria hispanica** (Cowherb)(Llysiau'r Fuwch). Marford Quarry, SJ356.561, A.N.Graham, 2010. 1st recent record.
- ⊗47/8.13.a. **Rumex crispus** ssp. **crispus** (Curled Dock)(Tafolen Grech). Rough industrial site by paths, disused steelworks. Brymbo Steelworks Site, SJ295.537, S.Burton, 2010. 1st published record of ssp.
- *47/8.15×19. **Rumex ×dufftii** (**R. sanguineus** × **R. obtusifolius**) (a hybrid dock). Llay, SJ3302.5467, BSBI, 2009, hb M.Stead, det. M.Stead.
- +‡49/1.off. **Paeonia officinalis** (Garden Peony)(Rhosyn-y-mynydd y Gerddi). Marford Quarry, SJ35.56, DenbsGroup, 2010.
- +‡51/1.1. **Hypericum calycinum** (Rose-of-Sharon)(Rhosyn Saron). ?Planted, Brymbo

Steelworks Site, SJ29.53, BSBI, 2010.

- ⊕‡52/1.1. **Tilia platyphyllos** (Large-leaved Lime)(Pisgwydden Dail Mawr). +Planted along canal side, Bettisfield Village, SJ4.3(S), D.Williams, 2010.
- +‡53/2.0lb×thu. **Malva × clementii** (**M. olbia** × **M. thuringiaca**) (Garden Tree-mallow) (Hocyswydden yr Ardd). Scattered plants in meadow area, Llay, SJ3288.5482, BSBI, 2009.
- +‡61/2.1×2. **Salix × meyeriana** (**S. pentandra** × **S. fragilis**) (Shiny-leaved Willow) (Helygen Loywddail). Acrefair, SJ2.4(R), DenbsGroup, 2009, det. D.Williams.
- +‡69/3.1. **Cyclamen hederifolium** (Sowbread)(Bara’r Hwch). Sun Bank, Llangollen, SJ248.419, J.Lawton Roberts, 2009. 2nd record, 1st in *Flowering plants and ferns of Denbighshire* (2006).
- *‡74/7.1. **Tolmiea menziesii** (Pick-a-back-plant)(Crydlys). Bontuchel, SJ0.5(Y), M.Stead & P.L.Thomas, 2009.
- *‡75/18.1. **Acaena novae-zelandiae** (Pirri-pirri-bur)(Pirri-pirri). Several small patches on ramp on W side of disused limestone quarry, Pistyll Gwyn, Llanarmon-yn-Ial, SJ18976.57599 and SJ18991.57540, P.L.Thomas, 2010.
- *‡75/32.22. **Cotoneaster hjelmqvistii** (Hjelmqvist’s Cotoneaster)(Cotoneaster Hjelmqvist). Mynydd Marian Reserve, Mynydd Marian, SH8.7(Y), D.Williams, 2009, det. M.Stead.
- +‡75/32.35. **Cotoneaster rehderi** (Bullate Cotoneaster)(Cotoneaster Deilgrych Rehder). Planted, Brymbo Steelworks Site, SJ29.53, BSBI, 2010.
- *‡75/33.2. **Pyracantha rogersiana** (Asian Firethorn)(Llosgddraenen Asia). Sapling growing in wall, planted trees nearby. Brymbo Steelworks Site, SJ2951.4366, BSBI, 2010. 1st Welsh record.
- *‡77/7.1.b. **Anthyllis vulneraria** ssp. **polyphylla** (Kidney Vetch)(Plucen Felen). Brymbo Steelworks Site, SJ29.53, BSBI, 2010. 1st record for ssp.
- *‡77/8.2.sat. **Lotus corniculatus** var. **sativus** (Common Bird’s-foot-trefoil)(Pysen-y-ceirw). Brymbo Steelworks Site, SJ29.53, D.Williams, 2009. 1st published record of var.
- +‡77/18.2.c. **Medicago sativa** ssp. **sativa** (Lucerne)(Maglys Rhuddlas). Brymbo Steelworks Site, SJ29.53, BSBI, 2010.
- *‡84/1.2×3. **Epilobium × limosum** (**E. parviflorum** × **E. montanum**) (a hybrid willowherb). Brymbo Steelworks Site, SJ2952.5345, BSBI, 2010, det. G.M.Kay.
- +‡100/1.1. **Rhus typhina** (Stag’s-horn Sumach)(Siwmac). Suckered from garden at roadside, Bettisfield Village, SJ4.3(S). D.Williams, 2010.
- *⊕107/44.1.c. **Daucus carota** ssp. **gummifer** (Sea Carrot)(Moronen Arfor). ‡N Wrexham, SJ3.5, J.A.Green, 2000.
- *‡111/3.4.dis. **Calystegia silvatica** ssp. **disjuncta** (Large Bindweed)(Taglys Mawr). Brymbo Steel-works Site, SJ29.53, BSBI, 2010. 1st published Welsh record for ssp.
- +116/4.3. **Symphytum tuberosum** (Tuberous Comfrey)(Cyfardwf Glorog). Frequent in the woods, Coed Abergele, SH95.76, DenbsGroup, 2010, det. D.Williams.
- ⊗‡116/4.Hid.b. **Symphytum × hidcotense** ‘Hidcote Blue’ (**S. grandiflorum** × ?**S. × uplandicum**) (Hidcote Comfrey)(Cyfardwf Hidcote). Ruthin, SJ163.582, G.M.Kay, 2010. 1st record as a neophyte.
- *‡118/1.2. **Stachys byzantina** (Lamb’s-ear)(Clust yr Oen). Rough ground, possibly tipped garden waste, Kimmel Bay, SH99.80, D.Williams & J.A.Green, 2010.

- ⊕‡123/1.sus×vir. **Forsythia ×intermedia** (**F. suspensa** × **F. viridissima**) (Forsythia) (Clychau Aur). ?Planted, Brymbo Steelworks Site, SJ29.53, BSBI, 2010.
- +124/1.7×12. **Verbascum ×thapsi** (**V. thapsus** × **V. lychnitis**) (a hybrid mullein). Marford Quarry, SJ3580.5584, DenbsGroup, 2010. Very different from either parent.
- *□124/20.14. **Euphrasia ostenfeldii** (Ostenfeld's Eyebright)(Effros Ostenfeld). Scree slopes amongst *Thymus*, Creigiau Eglwyseg, SJ22.45, D.J.Tennant, 2009. An appreciable population, very small <1cm, 1-(2) fls, unusually early-flowering; flowering longer than given in Floras.
- *125/2.10.min. **Orobanche minor** ssp. **minor** (Common Broomrape)(Gorfanhadlen). 2 dead spikes in Alyn Waters Golf Course, Llay, N Wrexham, SJ33084.54737, T.Knight, 2010, det. F.J.Rumsey. 1st published record for ssp.
- ⊗‡129/7.2. **Lobelia erinus**, Garden Lobelia, Ruthin by-pass, SJ1.5(E). D.Williams, 2010. 1st record as a neophyte.
- ⊗135/17.2. **Picris hieracioides** (Hawkweed Oxtongue)(Tafod y Llew). Near entrance and fossil forest, Brymbo Steelworks Site, SJ295.535, BSBI, 2010. 1st recent record.
- ⊗135/28.9.154. **Hieracium vagense** (Wye Hawkweed). Occasional among limestone rocks, less frequent than *H. britannicoides*, Bryn Euryn, SH832.797, T.C.G.Rich, 2010. 1st recent record.
- +‡135/40.4. **Solidago gigantea** (Early Goldenrod)(Eurwialen Gynnar). Sydallt, SJ316.543, J.Shanklin, 2009.
- +135/71.1. **Petasites hybridus**♀ (Butterbur)(Alan Mawr). Female plants in large patch in riverside field next to Pont-faen bridge, outside Chirk on B5400, SJ280.371, S.Swindells, 2009.
- *‡135/79.1. **Helianthus annuus** (Sunflower)(Blodyn yr Haul). ©Single plant on dune, Kimmel Bay, SH9.8(V), DenbsGroup, 2010, det. D.Williams & J.A.Green.
- *162/3.7.deg. **Epipactis phyllanthes** var. **degenera** (Green-flowered Helleborine)(Y Galdrist Felynwerdd). Around 6 plants, Llay, SJ3283.5514, BSBI, 2009, det. A.J.Richards. 1st record for species and variety.
- *162/3.7.phy. **Epipactis phyllanthes** var. **phyllanthes** (Green-flowered Helleborine)(Y Galdrist Felynwerdd). Marford Quarry, SJ3560.5612, DenbsGroup, 2010, det. A.J.Richards. 2nd record for species and 1st for variety.
- ⊗□162/23.1. **Ophrys insectifera** (Fly Orchid)(Tegeirian y Clêr). Single plant near Abergele, SH948.761, DenbsGroup, 2010, det. P.L.Thomas. Update of 2001 record in this area.

FLINT v.c. 51 (comm. E.Meilleur)

- 67/1.1. **Hypopitys monotropa** (Yellow Bird's-Nest)(Cytwf). 100+ flower spikes in 7 square meters, growing in old concrete loading bay with hazel, ash and willows, Rhydymwyn, SJ20560.66544, J.Phillips & G.Wynne, 2010.
- 107/6.2. **Anthriscus caucalis** (Bur Chervil)(Gorthyfai Gwrychog). Sand dunes along cycle track, Gronant Dunes, SJ088.841, E.Meilleur, 2010.
- 116/17.1. **Cynoglossum officinale** (Hound's-Tongue)(Tafod y Bytheiad). Limestone grassland on top of hill, Y Foel, Dyserth, SJ064.779, E.Meilleur, 2010.
- †135/7.1. **Onopordum acanthium** (Cotton Thistle)(Ysgallen Gotwm). Scrubby land with

- bracken. plant 2.5m tall, Y Foel, Dyserth, SJ06408.77822, E.Meilleur, 2010.
- ‡135/79.1. **Helianthus annuus** (Sunflower)(Blodyn yr Haul). ©N side of dual carriageway during repairs, A55 road verge near St Asaph, SJ028.747, J.Rose & M.Stead, 2010.
- ⊗162/6.2. **Listera cordata** (Lesser Twayblade)(Caineirian Bach). 5 plants near bronze age burial mound, in heath dominated by heather and *Cladonia* spp. and pleurocarpous mosses, Coed Bell, SJ08762.82916, J.Phillips, 2010. 1st recent record.
- ANGLESEY, v.c. 52 (comm. I.R. Bonner & N.H. Brown)
- +‡20/7.5. **Pinus radiata** (Monterey Pine)(Pinwydden Arfor). Track beside the coast, Traeth Bychan, SH51.84, I.Bonner, 2010.
- +31/5.3.hib. **Fumaria bastardii** var. **hibernica** (Tall Ramping-fumitory)(Mwg-y-ddaear Grymus). +Roadside, Penrhosfeilw, SH227.804; +Sandy edge to car park, Newborough Forest, SH411.673; both I.Bonner, 2010, det. R.Murphy.
- *‡39/2.2. **Nothofagus alpina** (Rauli)(Ffawyddden Ddeheuol Rauli). Coed Mor, Llanfairpwll, SH54.71, P.Denne, 2009; +Amenity wood, Brynddu, Llanfechell, SH37.91, I.Bonner & R.Birch, 2010.
- ⊕57/1.4×6. **Viola** ×**intersita** (**V. riviniana** × **V. canina**) (a hybrid dog-violet). Dune grassland, Tywyn Trewan, SH3128.7439, I.Bonner, 2010, **Hb.IRB**, conf. M. Porter. Reconfirmation of pre-1970 record.
- +61/1.2. **Populus tremula** (Aspen)(Aethnen). ‡?Along the Afon Wygyr, Cemmaes, SH37.93, I.Bonner, 2010. Well grown trees along the stream, possibly originally planted?.
- *‡65/12.4. **Erica terminalis** (Corsican Heath)(Grug Corsica). Heathland, around telecommunications mast, Holyhead Mountain, SH213.826, I.Bonner & N.Brown, 2010. Originally planted, now spreading. See note for *Welsh Bulletin*.
- *‡65/12.7×car. **Erica** ×**darleyensis** (**E. erigena** × **E. carnea**) (Darley Dale Heath)(Grug Darley Dale). Heathland, around telecommunications mast, Holyhead Mountain, SH213.826, I.Bonner & N.Brown, 2010. Originally planted, vegetative spread to just beyond the fence of the original enclosure. 1st Welsh record.
- +69/1.1×3. **Primula** ×**polyantha** (**P. vulgaris** × **P. veris**) (False Oxlip)(Briallen Groesryw). ‡Grassland, Trearddur, SH26.80, R.Birch, 2010.
- ⊕69/6.3. **Centunculus minimus** (Chaffweed)(Gwlyddyn-Mair Bach). Bare peaty ground, The Range, Penrhosfeilw, SH2197.8001, L.Farrell, 2010. Reconfirmation of a pre-1970 record.
- ⊗‡75/32.9. **Cotoneaster frigidus** (Tree Cotoneaster)(Cotoneaster Talsyth). Trackside, Pont Dinam, Llangaffo, SH454.683, P.Denne, 2010. Originally planted with several other unusual tree and shrub species, at least 0.5km away from any garden. 1st recent record.
- *‡75/32.39. **Cotoneaster franchetii** (Franchet's Cotoneaster)(Cotoneaster Franchet). Wall top to cemetery, Beaumaris, SH599.759, E.Phenna, 2010.
- +‡77/17.1. **Melilotus altissimus** (Tall Melilot)(Yr Wydro Dal). Single plant in rough grassland, Pentre Berw, SH455.734, I.Bonner, 2010.

- *77/22.2. **Laburnum alpinum** (Scottish Laburnum)(Tresi Aur Alpaidd). Trackside, Pont Dinam, Llangaffo, SH454.683, P.Denne, 2010. Originally planted with several other unusual tree and shrub species, at least 0.5km away from any garden.
- *†85/1.4. **Cornus mas** (Cornelian-cherry)(Cwyrosyn y Ceirios). Trackside, Pont Dinam, Llangaffo, SH454.683, P.Denne, 2010. Originally planted with several other unusual tree and shrub species, at least 0.5km away from any garden.
- *†102/1.4. **Oxalis exilis** (Least Yellow-sorrel)(Suran Felen Fach). Drive to nursing home, Beaumaris, SH599.759, E.Phenna, 2010.
- *†116/9.2. **Borago pygmaea** (Slender Borage)(Tafod-yr-ych Bach). Rock outcrop, Cochwillan, Dulas, SH49.78, I.Bonner & M.Stead, 2009, det. A.O. Chater. Spread from abandoned garden of nearby house.
- +121/1.4. **Plantago media** (Hoary Plantain)(Llyriad Llwyd). †Established in grassland, Penrhos Country Park, SH26.81, R.Birch, 2010.
- +†124/12.1. **Kickxia elatine** (Sharp-leaved Fluellen)(Llyisiau-Llywelyn). Single plant on molehill in improved grassland, Trearddur, SH2598.8009, I.Bonner & R.Birch, 2010.
- +131/2.1. **Viburnum opulus** (Guelder-rose)(Gwifwrnwydden y Gors). †Planted on road bank of A5025, Cemmas, SH37.93, I.Bonner, 2010.
- +135/5.1. **Carduus tenuiflorus** (Slender Thistle)(Ysgallen Flodfain). Beaumaris, SH59.75, E.Phenna, 2010.
- *†135/55.aus. **Anthemis austriaca** (Austrian Chamomile). Dumped soil by fishing lake, Llandegfan, SH562.745, J.Bratton, 2010, det. E.J. Clement. 1st v.c. & 2nd Welsh record, 1st as a neophyte.
- †138/4.2. **Elodea nuttallii** (Nuttall's Waterweed)(Ffugalaw Nuttall). +Pool near Hotel Cymyran, Llanfairyneubwll, SH30.76; +Afon Cefni, between A5 & A55, Pentre Berw, SH461.730; both J.Bratton, 2010.
- +142/1.9. **Potamogeton perfoliatus** (Perfoliate Pondweed)(Dyfrllys Trydwl). Fishing lake, Llandegfan, SH5623.7456, J.Bratton, 2010.
- +142/1.21. **Potamogeton pectinatus** (Fennel Pondweed)(Dyfrllys Blaenllym). Shallow sluice to former dam, Trearddur, SH265.797, I.Bonner & R.Birch, 2010.
- +†147/5.2.b. **Arum italicum** ssp. **italicum** (Italian Lords-and-Ladies)(Pidyn-y-gog Eidalaid). Apparently spreading in roadside grassland, Gwyndy, Llandrygan, SH392.795, I.Bonner, 2010.
- +152/16.27. **Carex pseudocyperus** (Cyperus Sedge)(Hesgen Gynffonnog). Reedswamp, grazed and ungrazed, Pentre Berw, SH466.728, I.Bonner, 2010. An extension from its location at the Valley Lakes, from where it has been known since the 19th century.
- ⊕†153/14.3. **Vulpia myuros** (Rat's-tail Fescue)(Peisgwelwll y Fagwyr). Car park, Valley, SH295.793, M.Wilcox, 2010. Re-confirmation of pre-1970 record.
- ⊕153/30.1. **Trisetum flavescens** (Yellow Oat-grass)(Ceirchwellt Melyn). Pathside along railway cutting, Bethel, SH397.698, I.Bonner, 2010. Re-confirmation of pre-1970 record.
- +153/40.1. **Calamagrostis epigejos** (Wood Small-reed)(Corsen Fach y Coed). Extensive area in coastal grassland bordering the Inland Sea, Trearddur, SH269.801, I.Bonner & R.Birch, 2010. Extending into SH26.79.
- ⊗†153/46.2. **Polyopogon viridis** (Water Bent)(Barfwelwll y Dwr). Car park, Valley, SH295.793, M.Wilcox, 2010.

- *‡158/10.3. **Tulipa gesneiriana** (Garden Tulip)(Tiwlip yr Ardd). Scattered at edge of dunes near hotel, Rhosneigr, SH325.725, I.Bonner & N.Brown, 2010.
- +158/35.1. **Ruscus aculeatus** (Butcher's-broom)(Celynnen Fair). ‡Abandoned woodland garden, Penrhos Country Park, SH2720.8127, I.Bonner & N.Brown, 2010.
- ⊗‡159/5.1. **Iris germanica** (Bearded Iris)(Gellesgen Farfog). Dune grassland, Rhosneigr, SH325.725, I.Bonner & N.Brown, 2010. 1st record as a neophyte.
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Images on opposite page:

- 2** : Participants in an Open Day for the Department of Biodiversity & Systematic Biology, Amgueddfa Cymru – National Museum Wales held in June 2011. © T.C.G. Rich (see editorial on page 4).
- 3** : The new BSBI Welsh Officer, Polly Spencer-Vellacott whilst on fieldwork on the Pembrokeshire coast. © P. Spencer-Vellacott. (See article on page 9).

Images on back cover :

- 4** : *Viola lactea* (Pale Dog-violet), 2010's Threatened Plant Project (TPP) species. © R.D.Pryce. (See article on page 10).
- 5** : Distribution map of *Viola lactea* (Pale Dog-violet) for Anglesey (v.c. 52). This shows a concentration on the coastal heathland in the west and a looser scatter of sites on the heathland on limestone toward the east. (See article on page 10).

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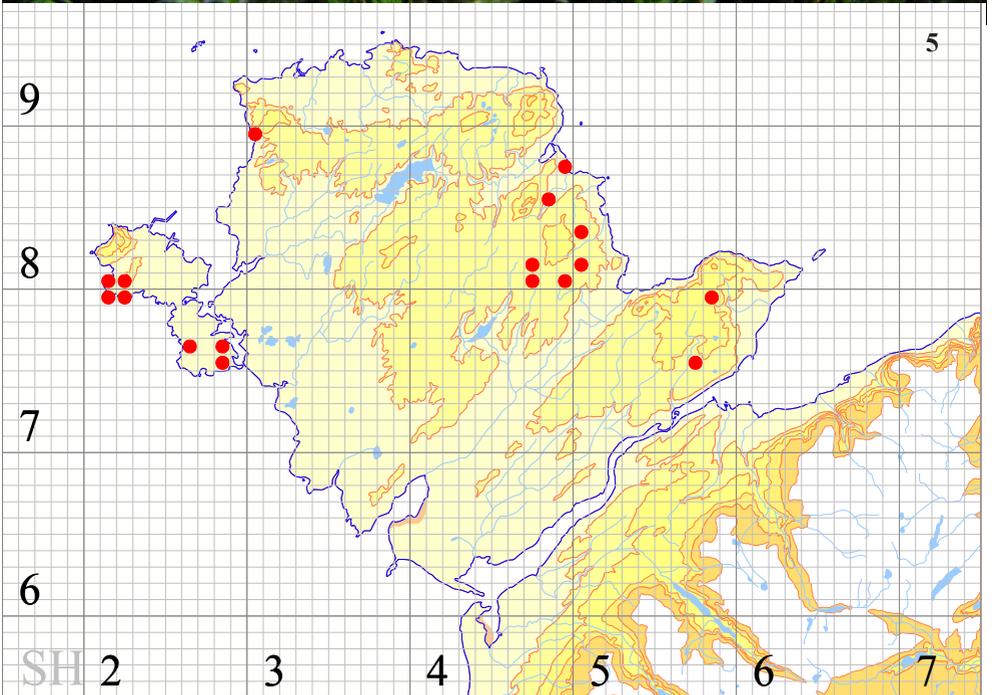


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