



Welsh Bulletin

**No. 98
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Editors : Richard Pryce, Sally Whyman & Katherine Slade



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Front cover photo: *Euphrasia rivularis* (Snowdon Eyebright): some of the small population at Gwar Glwydeth, Mynydd Llanllwni, found by R & K Pryce on 16/08/2014 and determined by Alan Siverside on 10/04/2014 who commented "the best material I've seen outside Snowdonia". See page 34. Photo Richard Pryce.

1: *Ranunculus parviflorus* (Small-flowered Buttercup). Cycle track and waste ground, River Clwyd, Rhyl, 23rd Apr 2015, not seen in Flintshire, v.c.51 since 1869. See report, page 11 and records, page 61. Photo: Emily Meilleur.

2: *Fumaria bastardii* var. *bastardii* (left) and *F. muralis* ssp. *boraiei* (right) from a roadside hedge on the A525, just south of Rhewl, Denbighshire on 13th May 2015. See article page 12. Photo: Paul R. Green.

3: *Trollius europaeus* (Globoseflower) in woods beside Llyn Tegid, Merioneth, v.c.48. See article, page 4. Photo: Polly Spencer-Vellacott.

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Items for inclusion in the next Welsh Bulletin should be sent to Richard Pryce by **1st December 2016**.

Back issues over one year old are uploaded to the website.

www.watsonia.org.uk/html/wales.html. Most back issues are still available on request @ £2.50 per issue; please contact Sally Whyman or Katherine Slade. **Cheques are payable to BSBI (not BSBI Wales)**. Future issues are available to BSBI members living outside of Wales by sending £2.50 in advance.

Welsh Officer News

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After spending winter working on mainly office-based projects it is great to be able to get out in the field a bit more. One of the deliverables of the Welsh project is to try to get BSBI volunteers involved in monitoring rare plants on SSSIs. This has multiple benefits: it allows National Resources Wales (NRW) to continue to fund my job, and therefore allows me to continue to support the Vice-County Recorders and other members in Wales. It also helps NRW who with continuing cuts to funding are suffering huge reductions in staffing, and very few staff are able to carry out any monitoring at all these days. Hopefully, it should also provide volunteers with a rewarding experience, and the chance to visit a rare population, not just “twitching” but contributing to monitoring and indirectly to conservation.

This year, we have a suite of species and sites to visit, but we are particularly interested in *Trollius europaeus* (Globeflower), *Hammarbya paludosa* (Bog Orchid), *Antennaria dioica* (Mountain Everlasting) and *Vicia orobus* (Wood Bitter-vetch). Any records of these species are always most welcome, but I would be interested in knowing:

- A count. Ideally you might count flowering spikes and/ or clumps. This will never be exactly the same for every observer, but it is much more useful to know the order of magnitude. If you count more than 100, it is probably best to stick to the range (30-100, 100-300, 300-1000, 1000-3000, etc...). You can't get it wrong, but it may help to illustrate changing trends over time. It is worth trying to observe non-flowering plants as well (even if you only count flowering plants) to estimate whether the whole population is flowering or not.
- Grid references. If there is only one plant, we are all used to recording a grid-reference (my preference would be 8-figure). But what about larger populations? Well, recording the extent is a good idea. Depending upon the size, you could record all the 10m squares in which the species may be found, or all the 100m squares.
- Photographs. A close-up photograph is useful to illustrate the habitat. But a distance photograph (perhaps showing important landmarks, and possibly with a marker to show where the plant of interest is) is really

useful for re-finding plants and identifying changes in habitat over time.

- Notes about habitat, management and associates are also welcome, but the first three are much more important.

On request, I can send copies of a blank form to fill in the above information (electronic or printed). However, I'm much more interested in the information, regardless of the format.

I would welcome details of the four species above on known SSSIs or off SSSIs, and I would even like to know if you have searched for a known record and failed to re-find it (possible population loss). If you would like to take part in this project and are wondering where to start please contact me for possible suggestions. *Hammarbya* in particular may be vulnerable to trampling, so it is worth contacting me – and your vice-county recorder – to find out if a visit has already been planned or arranged, to avoid duplication of effort.

It goes without saying that you should not attempt to survey plants on private land without permission. If you are aware of a population on a privately-owned SSSI and would like to carry out a count, it would be best to contact the owner directly, but if that is not possible I may be able to assist via contacts in NRW so do please get in touch.

Calendar of Field Meetings Wales 2016

SARAH STILLE, *BSBI Field Meetings Secretary*. 38 Foregate, Fulwood, Preston, PR2 8LA. Tel. 01772 718249 mobile: 0777 893 2268.
mossysal@btinternet.com

Full details and procedure for booking are available in the BSBI Year Book 2016 and the BSBI Welsh Bulletin no. 97, January 2016.

25-26 June: Training on Grasses. Vale of Glamorgan, v.c.41. Leaders: Arthur Copping & Julian Woodman

2-9 July: Glynhir, Carmarthenshire, v.c.44. Leaders: Richard & Kath Pryce

9 July: Prestatyn, Flintshire, v.c.51. Leader: Emily Meilleur

12-15 July: 2016 Welsh AGM & field meeting, Brecon, v.c.42. Organiser: John Crellin.

21-24 July: Caerdeon Residential, Merioneth, v.c.48. Leader: Sarah Stille

29-31 July: Brambles. Ruthin, Denbighshire, v.c.50. Leader: David Earl & John Palmer

1-2 October: *Dryopteris* (Buckler Ferns). Plas Tan-y-Bwlch, Merionethshire & Caernarvonshire, v.c.48/49. Leaders: Polly Spencer-Vellacott & Fred Rumsey

Annual reports from Wales, 2015

Compiled by POLLY SPENCER-VELLACOTT, BSBI Welsh Officer

For the last few years, the Country Officers of the BSBI have been asking for brief reports from the Vice-County Recorders, to summarise activity and achievements in their counties. There is of course a focus on Atlas 2020 coverage, but we also welcome the “highlights” of the year. Jim McIntosh has been publishing the Scottish reports in the Scottish Newsletter, and we thought the Welsh might welcome the same. This year’s, as usual, were good reading. Some counties (Monmouthshire, Breconshire, Carmarthenshire, Merioneth and Anglesey) published their own “interesting plant finds”, “reports” or “highlights” from 2015 in Welsh Bulletin No. 97, and so I will not reprint their reports here, as they mainly cover the same material. However, I think the

following provide a little background to the Welsh Plant Records printed in this issue. It is clear that the number of records from a county, although it is the easiest statistic to gather, is not necessarily a good representation of either recording effort or county coverage, but also reflects the recorders' individual approach to the county, which I find fascinating. As ever, I am full of admiration for the recorders, and most grateful for their patience with my various requests!

East Glamorgan, v.c.41 (Julian Woodman)

A few thousand records were collected, stored on paper, in Excel and some in MapMate.

- A few new colonies found of *Chrysosplenium alternifolium* on a BSBI field meeting.
- A large colony of *Persicaria minor* on the last Glamorgan Botany Group meeting with possible *P. mitis* and hybrid between *P. minor* x *P. maculosa*.
- A good colony of *Papaver hybridum* in Barry.
- A new colony of *Trifolium suffocatum* found at Ogmores-by-Sea (I took Paul Green here as I suspected there might be some good *Trifolium* and other therophytes. I was hoping for *Trifolium glomeratum* but didn't see any). Other good stuff here was *Ornithopus*, lots of *Moenchia* and later in the year, I came across a lot of *Hypochaeris glabra*.

Most of Glamorgan Botany group outings are pretty much dedicated to recording for the atlas. We had five meetings this year covering a few monads a day.

West Glamorgan, v.c.41 (Barry Stewart)

- 10,481 records stored in Mapmate and synced with SEWBReC (South East Wales Biodiversity Record Centre). Still to send data to the DDb (Distribution Database).
- Charles and Hilary Hipkin continue to systematically record at a 1km square level in Neath Port Talbot and contributed 5423 records of the year total for 2015, making numerous notable discoveries in the process, such as *Alisma lanceolatum*, *Avenula pubescens*, *Dianthus*

armeria, *Filago vulgaris*, *Genista tinctoria*, *Huperzia selago*,
Hypericum x desetangsii, *Lycopodium clavatum*, *Pyrola minor*, etc.

- My list of species of interest included *Asplenium obovatum*, *Blysmus rufus*, *Carex oederi* subsp. *oederi*, *Erophila majuscula*, etc.
- Visits by Geoff Toone produced some notable finds including *Avenula pratensis*, *Bromopsis erecta*, *Coincya monensis* subsp. *recurvata*, *Poa infirma* and *Scandix pecten-veneris*. National Resources Wales carried out monitoring at a number of sites including those supporting *Mibora minima* and *Neotinea ustulata*.
- We currently have 104,587 records from the Atlas period. The vast majority (94%) of recording has been carried out by Charles & Hilary Hipkin (42,350+) and myself (55,900+). Contributions of the remaining 6% have come from 51 additional recorders.
- The distribution of records is pretty even, although there are still plenty of gaps. It would be extremely useful if a MapMate query could be produced that would provide a list of species counts for each tetrad and monad, in order to target future recording.
- Charles, Hilary and I will continue with square-bashing. I anticipate this will result in complete coverage of Neath Port Talbot, but Swansea, although well represented at Hectad level, will have a few tetrads gaps by the end of the survey period.

Radnorshire, v.c.43 (Liz Dean and Sue Spencer)

- 1766 records from 2015 have been entered into Mapmate.
- These included four new taxa for the vice-county: *Juncus effusus x inflexus* = *J. x diffusus*, *Fallopia baldschuanica*, *Pinus nigra* subsp. *laricio* and *Dryopteris affinis* agg. *x filix-mas* = *D. x complexa* agg.. There were also 98 new hectad records, and 396 taxa recorded for the first time in a hectad since 2000.
- Over 20 monads (plus more with casual records).
- Coverage is improving and areas are being targeted to improve hectad coverage.

Pembrokeshire, v.c.45 (Stephen Evans)

See 2014 report but much less field work was carried out by the Vice-County Recorder (VC Recorder) in 2015 because most spare time was spent working on the Rare Plant Register. There are still many 2015 records from other recorders to be input as they have yet to be received or have arrived recently. So far, in 2015, 177 monads have records in the database.

Monitoring/surveillance continued in 2015, by the VC Recorder and other members, for the usual species, namely *Asparagus prostratus*, *Hammarbya paludosa*, *Lathyrus japonius*, *Melittis melissophyllum*, *Platanthera bifolia*, *Ranunculus tripartitus* and *Rumex rupestris*.

- *Centaurea cyanus* was found in the entrance to an arable field at a new location.
- A few tiny plants of *Adiantum capillis-veneris* have become established near the northern tip of the disused limestone quarries at West Williamston nature reserve – could all the mild wet weather be partly accountable for this new location. We only have one other native population of this rare fern.
- *Ballota nigra*, a scarce Pembrokeshire plant reappeared at Pembroke Castle after disturbance.
- *Glaucium flavum*, another scarce plant, has appeared again at Pickleridge, Dale following disturbance of the sandy shingle by the early 2014 storms.

143,888 records were entered into the DDb in 2015 of which about 80,000 were extras.

About 50,000 of these records have been collected after 2010 to add to the 95,000 or so collected between 2000 and 2010. There are three BSBI volunteers now helping the VC Recorder with recording for the Atlas and two will target gaps in squares near their homes but the vast bulk of the work will have to be completed by the VC Recorder and his wife.

Cardiganshire, v.c.46 (Steve Chambers)

[PSV]: I have not received a report from Steve but I have visited him and he is very busy. The DDb tells me that Steve entered 6695 records from 2015 into MapMate.

Montgomeryshire, v.c.47 (Kate Thorne and Gill Foulkes)

Almost 10,000 records were received in 2015, all are on Mapmate and have been synced to the DDb.

We keep National Resources Wales and the Montgomeryshire Wildlife Trust informed regarding records on any of their sites, and all the new data will be sent shortly to the Local Biodiversity Record Centre (BIS).

Highlights included *Hammarbya paludosa* (a new vice-county record), updates of *Carex lasiocarpa* at two sites and a new site with a good population of *Serratula tinctoria*. Species found (or refound as no recent record) in 2015 include: *Agrimonia procera*, *Erophila glabrescens*, and *Erysimum cheiranthoides*.

Nine Flora Group outings contributed around 2000 records. Additional outings with the Montgomery Field Society added more. The Flora Group also had an indoor winter meeting investigating the identification of docks and Apiaceae using fruit morphology.

As last year, we are continuing to target individuals and flora group outings towards recording in areas with few or no records since 2000, whilst also trying to update plants in the Rare Plant Register.

Caernarvonshire, v.c.49 – Wendy McCarthy

1,852 records were entered into Mapmate and most synced to the hub for the DDb; copies were also kept on paper as tetrad cards. About 50 records were prepared for publication in the Welsh Plant Records.

Highlights included:

- Field trips into Snowdonia with Fred Rumsey to record upland *Euphrasia*.
- *Atriplex* training meeting; updating *Fumaria purpurea* with Paul Green.
- Discovery of *Carex limosa* new to SH55.

Coverage is generally good and recording is ongoing. Six formal recording meetings including volunteer recorders were held and extra informal meetings are planned when time permits.

Denbighshire, v.c.50 – Delyth Williams

See article on page 12. Recording has resulted in:

- About 25 Denbs Group recording meetings starting on the 1st March in snow and ending on the 10th November.
- All records were put onto MapMate; all synced to the DDb.
- About 40,000 records entered in all, some digitised from older records.
- 168 tetrads/monads with more than 40 records visited in 2015.
- Denbighshire had the most records uploaded to the DDb for any Welsh vice-county in 2015.
- Coverage for Atlas 2020 is coming on.
- Members of Denbs Group provide valuable help: a good few reliable volunteers also submit many records.
- There are plans to record in as many tetrads as possible, ensuring good coverage in at least five in each hectad.

Highlights of the year included:

- Discovery of *Radiola linoides*, *Hordelymus europaeus* and several new *Rubus*.
- Three day Atlas Recording meeting with visiting botanists 28 – 30th July.

Flintshire, v.c.51 - Emily Meilleur

3552 records were received and input in 2015 although there are more to go in. Records are kept in the North Wales biodiversity record centre, Cofnod.

Highlights were:

- *Ranunculus parviflorus* found at Rhyl.
- *Polypogon monspeliensis* at Deeside Industrial Estate.
- Fumitory workshop with Paul Green.
- Bramble weekend with Dave Earl & Rob Randall.
- Recording week.

Gail Quartly Bishop helping - recording, data input, data verification and leading field meetings.

Amanda Davies – site selection and site access.

A few notes from Denbighshire in 2015

DELYTH WILLIAMS, *Vice-county Recorder for Denbighshire (v.c.50)*

We started the 2015 season on 1st March in Bontuchel (SJ0857) west of Ruthin, clearly somewhat optimistically as it came on to snow...so we went for a walk instead! Some 20 Denbs Group meetings later we finished the season on 10th November in Llay Industrial Estate (SJ3856), collecting some 200 taxa on a mild day thanks to a frost-free autumn. We expected to find *Conyza canadensis* (Canadian Fleabane) which is spreading south and west; however, we also found *Hirschfeldia incana* (Hoary Mustard) in the truck park, another species that is spreading south from the coast. Martyn Stead risked life and limb to confirm *Senecio inaequidens* (Narrow-leaved Ragwort) from a perilous traffic island; this plant is spreading along arterial roads.

It was interesting to note in Welsh Bulletin No 97 that *Fumaria purpurea* (Purple Ramping-fumitory) was re-found in v.c.35 Monmouthshire in 2015 by Paul Green and later in the season by Elsa and Adrian Wood. Subsequent to his article in Welsh Bulletin No 94, (Green, 2014), Paul also found it in v.c.50 Denbighshire in Kinmel Bay (SH9980) in May 2015; a large patch, along with *F. muralis* subsp. *boraei* (Common Ramping-fumitory) on scrubby ground near the boatyard. This is not, as was first thought by reference to the Distribution Database (DDb), a first vice-county record but a second or possibly third, according to the Vice-County Census Catalogue (VCCC). Reference to this and 'Flowering Plants in Wales' (Ellis, 1983) shows a pre-1970 record, but no specimen in NMW (Amgueddfa Cymru-National Museum Wales). Trawling through old card index data for v.c.50 revealed, though, an unconfirmed record from Llansannan (SH9365) in 1986. Rare, then, but worth looking out for in these parts and with a reminder to check against *Fumaria muralis* (Common Ramping-fumitory).

On the *Fumaria* theme, Sue Swindells found a different-looking *Fumaria officinalis* (Common Fumitory) in the Tanat Valley (SJ1524). She suspected it to be subsp. *wirtgenii*, and this was confirmed by Rose Murphy. Are we not all so appreciative of her recent Handbook? This is a first for v.c.50; quite a surprise as it is far more common further south and 'in the light soils of the south-east of England' (Atlas 2000 and BSBI DDb). As Rose gently reminded me though, worth checking for.

Regrettably, unlike the finds in v.c.35 Monmouthshire, a visit to Llay Bog (SJ322544), did not reveal *Osmunda regalis*, last recorded there in the 1990s.

Only one more site to check for it this year in v.c.50. On the plus side, Paul Day, after recent searches probably had the best find of all: *Antennaria dioica* (Mountain Everlasting) in Eryrys (SJ1958), although it was not in flower. This is a new site, but not a new area.

According to Welsh Bulletin 97, in the report for Merioneth (v.c.48), *Vulpia fasciculata* was found in Aberdyfi for the first time for 24 years. There are records going back many years from sand dune locations in adjacent Caernarvonshire (v.c.49) and Flintshire (v.c.51) but it has now been found for the first time by Martyn Stead in Denbighshire (v.c.50) from the Foryd (SH9980), on the cyclepath by the boatyard – not exactly dunes just there!

A 3-day BSBI Atlas Recording session based around Llanfair Talhaiarn (SH9270) in July was noteworthy for its bad weather, although despite this of course we added to the general total plant records. Many thanks to all those who contributed and especially to Rob Randall who joined us and added a good few new v.c. records and several new hectad records – we're talking *Rubus* here.

A neighbour told me that she thought she had found *Saxifraga granulata* (Meadow Saxifrage) on her land. She had, and although it is not exactly rare in v.c.50, it was a happy find. My own favourite of the year was the discovery of *Radiola linoides* (Allseed) on a dismal day in October by Llyn Bronllwm (SH9669). It was on mud in association with *Lythrum portula* (Water-purslane) and *Littorella uniflora* (Shoreweed). Although this is the third record for the vice-county, it was a first for me. This isolated upland sheep-grazed spot is designated 'right-to-roam' – that does not necessarily mean it is actually possible to roam; what we thought to be a short-cut back to the car turned out to be marathon through chest-high bracken and gorse!

These are just a few of our more interesting finds. We did, thanks to many hard-working and valued volunteers, collect and digitise over 30,000 records in 2015, thus bringing closer our target for coverage for Atlas 2020.

References

Green, P. (2014) Welsh Bulletin 94

Vice-County Census Catalogue: BSBI 2003

Ellis, R.G. (1983) Flowering Plants in Wales, National Museum of Wales

BSBI Honorary Treasurer- A description of the role and its fit within BSBI

The Botanical Society of Britain and Ireland (BSBI) wishes to appoint an Honorary Treasurer to oversee its accounting procedures and assist with managing its finances in an efficient and sustainable manner. Following appointment the Treasurer would usually be co-opted to sit on the BSBI Board of Trustees, which meets four times a year and is responsible for Governance of the Society.

As well as working with and reporting to the BSBI Board, the Treasurer will liaise with:

- BSBI employees including an Administrative Officer who handles the processing of invoices and payments and the preparation of accounts using SAGE, a Head of Operations who leads the day-to-day running of the Society, and a Head of Science who directs our research strategy.
- Other voluntary officers including the Society's President and the Honorary General Secretary.
- Our investment managers (based in London) who handle our portfolio of c. £1 million invested in bonds, shares and equities
- The Society's members, supporters and sponsors through the Society's publications, and attendance at the Annual General Meeting and other events as appropriate.

The contributions needed can be broken down into two stages:

1. Ongoing Support and Input

Regular tasks that the Treasurer will undertake:

- Acting as bank signatory/ approving payments
- Regular oversight of accounts and accounting procedures
- Production of an annual budget, with input from all relevant personnel
- Attending trustee meetings (usually 3 per year plus one electronic meeting)

It is expected that this would require a maximum of one day per month.

2. Review of current processes

BSBI trustees are reviewing the Society's structures and operations, with a view to focusing spend in priority areas and exploiting new funding opportunities. Early ideas which could be explored further include options to commercialise some aspects of our activity and share back-office services with comparable organisations.

In addition, we must ensure that our financial and administrative systems are smooth, streamlined, and fully tailored to future aspirations. This includes optimal use of the most efficient software packages enabling regular and speedy access to financial information. The Treasurer would participate in this review of operations and advise trustees on recommendations for their improvement.

The post of Hon. Treasurer is a voluntary one, but expenses incurred in meeting the requirements of the post will be reimbursed.

What we need from a Treasurer

- Someone who can commit time to both stages of input, the review of current processes and, on a longer term basis, to the continuing role of Treasurer
- Experience of book keeping, familiarity with the finances and funding of voluntary organisations and people management
- Commitment to the Society and its aims.

If you are interested in this role, please contact Jane Houldsworth, Head of Operations at BSBI, email address: jane.houldsworth@bsbi.org.

Welsh Plant Records 2015

Welsh Plant Records are compiled by Stephen Coker, Mountain Grove, Clarbston Road, Haverfordwest, Pembro, SA63 4SG, from reports of BSBI vice-county Recorders to whom records should 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 record demonstrating the rediscovery of a taxon published as extinct in the VCCC

+ to indicate a new hectad record; ⊕ to indicate an updated hectad record; ⊖ to indicate a new tetrad 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.

†‡© after the species number: to indicate that the species is regarded as an archaeophyte, neophyte or casual generally within the vice county, different from that of the British Isles.

†‡© before the record: to indicate a species which although a native, archaeophyte or neophyte at least somewhere in the vice county, 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.

Ø 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, more precise grid references may be included. A letter in parentheses following a grid reference indicates a tetrad.

The Vice-county Recorders from 1/1/2013 are:

MONMOUTH, v.c.35; Dr S.J. Tyler, Yew Tree Cottage, Lone Lane, Penallt, Mons, NP25 4AJ; steph_tyler2001@hotmail.com & Mrs E. Wood (*all correspondence to Dr Tyler*).

GLAMORGAN, v.c.41 (West); Mr B. Stewart, 36 Pencaecrwn Road, Gorsenion, Swansea, SA4 4FU. 01792 539447; moonmoths@virginmedia.com

GLAMORGAN, v.c.41 (East); Mr J.P. Woodman, c/o CCW, Rivers House, St Mellons Business Park, Fortran Road, St Mellons, Cardiff, CF3 0EY (Please mark PERSONAL). 029 2077 2400; Julian.Woodman@ccw.gov.uk

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MONTGOMERY, v.c.47; Dr A K Thorne, Churton House, Church Pulverbatch, Shropshire, SY5 8BZ. 01743 718270; k.thorne@btinternet.com & Mr M. Duffell (*all correspondence to Dr Thorne*)

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ANGLESEY, v.c.52; Mr I.R. Bonner, 15 Littledean Hill Road, Cinderford, Gloucestershire, GL14 2BD. Tel: 01594 824320; bonner@caetrefor.co.uk and Dr H.A. Knott, Yr Aelwyd, Cambria Road, Menai Bridge, Anglesey, LL59 5HE; haknott@btinternet.com.

MONMOUTH, v.c.35 (comm. S.J. Tyler & E. Wood)

- +c1-4-opa **Nitella opaca** (Dark Stonewort). Shallow ponds in grounds of old paper mill, Sudbrook, ST50 87, E. Wood & S. Tyler, 30th Apr 2015, abundant on this brown field site.
- +004/1.4×5. **Equisetum ×litorale** (Shore Horsetail) (Marchrawnen y Glennydd). Edge of stream and meadow, Llanfaenor, SO42 17, E. Wood, S. Tyler & P. Green, det. Paul Green, 11th Jun 2015.
- +006/1.1. **Osmunda regalis** (Royal Fern) (Rhedyen Gyfrdwy). Bottom of drained reservoir, nr. Cwmyncyoy, ST276 991, E. Wood & A. Wood, 3rd Oct 2015, 8 large plants -first record in this hectad since declared extinct in the county.
- +014/3.1. **Oreopteris limbosperma** (Lemon-scented Fern) (Rhedyen Bêr y Mynydd). Moorland, Upper Ochrywth, ST23 89, E. Wood & A. Wood, 4th Jun 2015, first record for the hectad since 1970.
- +017/1.1×2. **Polystichum ×bicknellii**. Woodland, Kemey's Commander, SO34 04, E. Wood & S. Tyler, det. F. Rumsey, 11th Mar 2015, 1 plant in woodland by river Usk; (+) woodland, nr.Usk, SO38 02, E. Wood & S. Tyler, det. F. Rumsey, 25th Feb 2015, 1 plant on wooded bank by Usk to Raglan road.
- +©028/05.1. **Nigella damascena** (Love-in-a-mist) (Glas y Niwl). Clifftop, Sudbrook, ST50 87, E. Wood & S. Tyler, 30th Apr 2015, amongst garden throw-outs.
- *036/1.1.b. **Urtica dioica subsp. galeopsifolia**. Old muck heap, Raglan, SO415 074, E. Wood, 5th Sep 2015.
- +046/10.7.b. **Sagina filicaulis**. Paving stones, outside Newport Station, ST31 88, E. Wood, 24th Apr 2015, scattered on other pavements in the monad; (+) edge of road, Llwyn-y-celin, ST46 95, E. Wood, 17th May 2015.
- +047/8.13×19. **Rumex ×pratensis (R. crispus × R. obtusifolius)** (Meadow Dock). Coast path, Chepstow, ST59G, E. Wood & S. Tyler, 9th Jul 2015, frequent along coast path between Warren Slade and the fort; (+) meadow, Rhiwlas, SO39 07, E. Wood & S. Tyler, 27th Jul 2015, recorded on many sites in 2015.
- +053/1.7. **Malva neglecta** (Dwarf Mallow) (Corhocysen). Roadside verge, Wilcrick, ST409 881, E. Wood & S. Tyler, 3rd Feb 2015, by Church Farm; (+) paddock by muck heap, Trellech Grange House, SO492 016, E. Wood & S. Tyler, 23rd Aug 2015.
- +057/1.02. **Viola hirta** (Hairy Violet) (Fioled Flewog). Limestone Woodland, Upper Ochrywth, ST22 88, E. Wood & A. Wood, 4th Jun 2015, first record since 1924 - several patches scattered throughout the woodland.

- +061/2.10×11. **Salix ×reichardtii**. Hedge, Cwmnantytroyn, ST19 94, E. Wood & S. Tyler A. Wood, 17th Jul 2015.
- +061/2.11×12. **Salix ×multinervis**. Bottom of drained reservoir, nr. Cwmyrnyscoy, ST276 991, E. Wood & A. Wood, 3rd Oct 2015.
- +062/12.6. **Rorippa amphibia** (Great Yellow-cress) (Berwr Melyn Mawr). River Sirhowy, Mynydd Bedwellte, SO15 05, E. Wood & S. Tyler, 13th Oct 2015, all along the edge of the river; (+) river Sirhowy, south of Tredegar, SO15 07, E. Wood & S. Tyler, 23rd Sep 2015, all along the edge of the river (and SO1506).
- *‡062/12.7. **Rorippa austriaca** (Austrian Yellow-cress) (Berwr Melyn Awstria). Edge of farmland, Troy farm near Monmouth, SO509 118, H. Colls, det. T. Rich, 2015.
- +†062/30.5. **Lepidium ruderales** (Narrow-leaved Pepperwort) (Pupurlys Culddail). Roadside verge, Raglan, SO420 081, E. Wood, S. Tyler & P. Green, 11th Jun 2015.
- +062/30.8. **Lepidium draba** (Hoary Cress) (Pupurlys Llwyd). Edge of the A466, Chepstow, ST59F, E. Wood, 20th May 2015, scattered along the edge of the road.
- +074/05.15. **Saxifraga granulata** (Meadow Saxifrage) (Tormaen y Gweunydd). Lawn near surgery, Chepstow, ST529 937, A. Jacks, det. T. G. Evans, 1st Jun 2015.
- +075/15.2. **Agrimonia procera** (Fragrant Agrimony) (Llysiau'r-dryw Pêr). Old quarry, near Caldicot, ST49 88, E. Wood & S. Tyler, 7th May 2015.
- +075/21.04×12. **Rosa ×irregularis**. Hedgerow, Pontllanfraith, ST19S, E. Wood & S. Tyler, 22nd Oct 2015; (+) hedgerows, nr. Cwmyrnyscoy, ST29U, E. Wood & A. Wood, 3rd Oct 2015.
- +075/21.12.Pub. **Rosa canina group 'Pubescentes'**. Hedgerow, nr. Cwmyrnyscoy, ST29U, E. Wood & A. Wood, 3rd Oct 2015, in several places.
- +075/21.18. **Rosa rubiginosa** (Sweet-briar) (Drysièn Bêr). Disturbed ground, along pipeline, Cefn Llogell, ST26 84, E. Wood & S. Tyler, 17th Jun 2015.
- +077/15.12. **Lathyrus nissolia** (Grass Vetchling) (Ytbysen Feinddail). Marshy reversion field, Dingestow Court, SO44 08, S. Bosanquet, Sep 2015, 2 large patches in field.
- +‡094/1.2.© **Linum usitatissimum** (Flax) (Llin). Lawn meadow, Penallt, SO51 09, S. Tyler, 18th Jul 2015.
- +‡103/1.14. **Geranium pyrenaicum** (Hedgerow Crane's-bill) (Pig-yr-aran y Gwrych). Roadside verge, Dingestow Court, SO40P, S. Tyler, Jun 2015; (+) roadside verge, St. Maughans, SO47 16, S. Tyler, Jun 2015.
- +‡103/1.17. **Geranium macrorrhizum** (Rock Crane's-bill) (Pig-yr-aran Wreiddfawr). Roadside verge, Cwmnantytroyn, ST19 94, E. Wood & S. Tyler A. Wood, 17th Jul 2015, spreading along the verge.
- +†107/10.1. **Myrrhineum olusatrum** (Alexanders) (Dulys). Roadside, Penallt, SO52 08, S. Tyler, 24th Apr 2015, 1 plant at top of Lone lane.
- +‡111/3.3. **Calystegia pulchra** (Hairy Bindweed) (Taglys Blewog). Hedgerow, Cobbler's Plain, SO476 015, E. Wood, 24th Oct 2015.
- +118/01.5×6. **Stachys ×ambigua** (Hybrid Woundwort) (Briwlys Croesryw). Wet areas around lanes, nr. Cwmyrnyscoy, ST29U, E. Wood & A. Wood, 3rd Oct 2015.

- +118/18.5. **Clinopodium acinos** (Basil Thyme) (Brenhinllys y Maes). Built up reservoir edge, Pant-y-Eos reservoir nr Risca, ST25 91, E. Wood & A. Wood, 18th Aug 2015, frequent among the stone blocks on sides of reservoir.
- +120/1.5. **Callitriche obtusangula** (Blunt-fruited Water-starwort) (Brigwlydd Ffrwythau Blaendwn). In shallow pools at bottom of drained reservoir, nr. Cwmynyscoy, ST276 991, E. Wood & A. Wood, 3rd Oct 2015.
- +124/23.1. ‡ **Parentucellia viscosa** (Yellow Bartsia) (Gorudd Melyn). Disturbed ground by coastal path, Chepstow, ST538 924, J. Hodgson, 5th Jul 2015, 5 flowering spikes.
- +125/2.02. **Orobanche rapum-genistae** (Greater Broomrape) (Gorfanhadlen Fawr). Cefn garw, SO4325 1381, A. Karran, det. S. Tyler, 15th Jun 2015, 1 plant -this species had been considered extinct in vc35.
- +‡127/1.1. **Acanthus mollis** (Bear's-breech) (Troed yr Arth). Roadside verge, Cwmnantytrodyn, ST19 94, E. Wood & S. Tyler A. Wood, 17th Jul 2015, spreading out from garden.
- *129/8.ped. **Pratia pedunculata**. Lawn, Penallt, SO50 08, S. Tyler, 2015; (+) lawn, Penallt, SO52 10, S. Tyler, 2014.
- +‡135/44.2. **Conyza sumatrensis** (Guernsey Fleabane) (Amrhydlwyd Guernsey). Old railway track, Hengoed, ST19M, E. Wood & S. Tyler, 22nd Oct 2015; (+) gravel of golf course car park, Coedkernew, ST273 836, E. Wood & S. Tyler, J. Winder & S. Hedley, 20th Feb 2015.
- +136/1.1. **Butomus umbellatus** (Flowering-rush) (Brwynen Flodeuog). Pond, St Pierre Golf Course, ST59A, E. Wood & S. Tyler, 9th Jul 2015, probably planted initially but well established.
- +138/2.1. ‡ **Stratiotes aloides** (Water-soldier) (Milwr y Dŵr). Canal, nr. Risca, ST24 90, E. Wood & A. Wood, 18th Aug 2015, very well established and filling the canal in places.
- +142/1.15. **Potamogeton berchtoldii** (Small Pondweed) (Dyfrllys Bach). Pond, Cwmnantytrodyn, ST194 946, A. Wood, det. E. Wood, 17th Jul 2015.
- +152/16.11. **Carex disticha** (Brown Sedge) (Hesgen Lygliw). Wet field, Coedkernew, ST265 826, E. Wood & S. Tyler, J. Winder & S. Hedley, det. E. Wood, 20th Feb 2015.
- +152/16.44×46. **Carex ×fulva**. Edge of bog, Cruglwyn, SO160 059, E. Wood & S. Tyler, 13th Oct 2015.
- +152/16.55. **Carex pilulifera** (Pill Sedge) (Hesgen Bengron). Moorland, Mynnydd Machen, ST23 89, E. Wood & A. Wood, 4th Jun 2015, frequent.
- +152/16.65. **Carex acuta** (Slender Tufted-sedge) (Hesgen Tywysennau Main [ennau main/meinion]). Wet meadow, Llanmartin, ST385 894, E. Wood, S. Tyler & A. Wood, det. E. Wood, 19th Jun 2015, first recent record.
- +152/3.5. **Eleocharis quinqueflora** (Few-flowered Spike-rush) (Ysbigfrwynen Goch). Wet field, Salisbury Farm, ST423 887, E. Wood & S. Tyler, det. E. Wood, 17th Jun 2015, locally abundant in field.

- +153/16.2. **Puccinellia distans** (Gwellt-y-morfa Atblygedig). Roadside verge, Raglan, SO420 081, E. Wood, S. Tyler & P. Green, 11th Jun 2015, 1st inland site for this halophyte.
- +153/18.06. **Poa angustifolia** (Narrow-leaved Meadow-grass) (Gweunwellt Culddail). Dry open patches on moorland, Mynydd Machen, ST23 89, E. Wood & A. Wood, 2015; (+) dry open patches on cliff-top, Sudbrook, ST50 87, E. Wood & S. Tyler, 30th Apr 2015.
- +153/21.2. **Catapodium marinum** (Sea Fern-grass) (Gwenithwellt y Morfa). Roadside verge, Raglan, SO420 081, E. Wood, S. Tyler & P. Green, 11th Jun 2015, 1st inland site for this halophyte.
- +©153/27.1.b. **Arrhenatherum elatius var. bulbosum** (Onion Couch). Roadside verge, Mynydd Crug, ST19Q, E. Wood & S. Tyler, 22nd Jul 2015; (+) waste ground by river, nr Risca, ST24 89, E. Wood & A. Wood, 18th Aug 2015.
- +‡153/38.2. **Phalaris aquatica** (Bulbous Canary-grass) (Pefrwellt Goddfog). Riverbank, Risca, ST24 89, E. Wood & A. Wood, 18th Aug 2015, covering over 200m along the bank.
- +‡153/46.2. **Polypogon viridis** (Water Bent) (Barfwellt y Dŵr). Side of A466, Chepstow, ST53 91, E. Wood, 13th Jun 2015; (+) edge of coast path - disturbed ground, Chepstow, ST59G, E. Wood & S. Tyler, 5th Aug 2015, abundant in places.
- +†153/50.7. **Bromus secalinus** (Rye Brome) (Pawrwellt Bach). Edge of arable field, Wolvesnewton, ST455 995, E. Wood & A. Wood, 9th Aug 2015.
- +‡153/52.1. **Anisantha diandra** (Great Brome) (Pawrwellt Mawr). Disturbed ground, along pipeline, Cefn Llogell, ST26 84, E. Wood & S. Tyler, 17th Jun 2015.
- +‡153/52.5. **Anisantha madritensis** (Compact Brome) (Pawrwellt Cryno). Entrance to arable fields, Llanishen, SO40W, E. Wood & A. Wood, 23rd Aug 2015, several plants at entrance to several fields on road from Llanishen to Trellech grange.
- +‡153/PAN.mil.© **Panicum miliaceum** (Common Millet) (Miled). Arable field, Hill farm, nr Raglan, SO38 07, E. Wood & S. Tyler, 27th Jul 2015, failed barley crop field with abundant weeds.
- +154/1.2. **Sparganium emersum** (Unbranched Bur-reed) (Cleddlys Di-gainc). Pond Pen-y-cwm farm, nr Ystrad Mynach, ST167 929, E. Wood & S. Tyler, 11th Sep 2015, also at ST168 927; (+) pond in quarry, nr. Pontllanfraith, ST186 943, E. Wood & S. Tyler A. Wood, 17th Jul 2015, Fr; (+) pond, Pontllanfraith, ST19S, E. Wood, S. Tyler & A. Wood, 22nd Oct 2015, 4 sites new to the hectad.
- +‡158/24.07. **Allium triquetrum** (Three-cornered Garlic) (Garlleg Trianglog). Roadside verges, Llanmartin, ST384 892, M. Kilner, 7th May 2015.
- +159/05.08.cit. **Iris foetidissima var. citrina**. Disturbed ground, along pipeline, Cefn Llogell, ST26 84, E. Wood & S. Tyler, 17th Jun 2015.
- +162/18.4.jun. **Dactylorhiza praetermissa var. junialis**. Wet area in quarry, Cwmymyscoy quarry, Sebastopol, ST28 99, E. Wood & S. Tyler, 27th Jun 2015, about 40 flowering spikes

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

- +004/1.9. **Equisetum telmateia** (Great Horsetail) (Marchrawnfen Fawr). Pelenna Forest, SS82 99, Charles and Hilary Hipkin, 25th Sep 2015, in forestry road verge.
- +017/1.2. **Polystichum aculeatum** (Hard Shield-fern) (Gwrychredynen Galed). Parc Taf Bargoed, ST102 977, David Barden, 11th Apr 2015.
- *‡017/2.1. **Cyrtomium falcatum** (House Holly-fern) (Gwrychredynen-y-Celyn y Tŷ). Glyn Neath, Aberpergwm, SN86 05, Charles and Hilary Hipkin, 14th May 2015, established on rocky debris at side of River Neath.
- +017/3.03b. **Dryopteris cambrensis**. Neath Abby, SS73 97, Charles and Hilary Hipkin, 13th Nov 2015; (+) Argoed Farm, SS82 94, Charles and Hilary Hipkin, 9th Oct 2015.
- +017/3.08. **Dryopteris carthusiana** (Narrow Buckler-fern) (Marchredynen Gul). Pantyffordd, Onllwyn, SN83 10, Charles and Hilary Hipkin, 8th Jun 2015.
- +028/13.07. **Ranunculus parviflorus** (Small-flowered Buttercup) (Blodyn-y-menyn Mân-floedeuog). Whiteford Burrows NNR, SS43 94, Geoff Toone, 15th Apr 2015.
- ⊠030/1.6. **Papaver hybridum** (Rough Poppy) (Pabi Penbigog). Made up ground on edge of car park, Barry Island, ST11695 66480, Glamorgan Botany Group, det. J.P. Woodman, 16th May 2015, probably from seed in recently disturbed soil.
- +043/1.06. **Chenopodium rubrum** (Red Goosefoot) (Troed-yr-ŵydd Coch). SS9773 1km square SE of Llysworney, SS97 73, Rob & Linda Nottage, 7th Aug 2015.
- +046/08.1. **Myosoton aquaticum** (Water Chickweed) (Llinesg y Dŵr). Baglan Energy Park (north), SS73 93, Charles and Hilary Hipkin, 21st Jul 2015, one plant in vicinity of ephemeral pond.
- +046/10.3. **Sagina subulata var. subulata** (Heath Pearlwort) (Corwlyddyn Mynawydaidd). Seven Sisters Reclaimed Opencast 2, SN82 07, Charles and Hilary Hipkin, 13th Sep 2015, a substantial population along gravel road through reclaimed opencast site.
- ⊠046/11.2 **Scleranthus annuus** (Annual Knawel) (Dinodd Unflwydd). Coed Ely, ST02528 85035, David Barden, 7th Jun 2015, ~20 plts over ~4m x 3m, in fine +/- pure coal gravel. Second extant VC record.
- ⊠047/1.16. **Persicaria minor** (Small Water-pepper) (Y Dinboeth Fach). Pond edge, North of Gwaelod y Garth, ST117 846, J.P. Woodman, 25th Sep 2015, 3rd population on same farm as record above; (⊠) disturbed wet grassland, North of Gwaelod y Garth, ST118 851, Glamorgan Botany Group, det. J.P. Woodman, 6th Sep 2015, biggest population of two recent records.
- +051/1.06×07. **Hypericum ×desetangsii** (Des Etangs' St John's-wort) (Eurinllys Des Etangs). Cwm Corrwg, SS88 99, Charles and Hilary Hipkin, 19th Jul 2015, recorded at a total 15 of sites during the season.
- +051/1.16. **Hypericum elodes** (Marsh St John's-wort) (Eurinllys y Gors). Pantyffordd, Onllwyn, SN83 10, Charles and Hilary Hipkin, 8th Jun 2015, significant population in soakway.
- *057/1.01.b **Viola odorata var. praecox**. Roath Park, ST1847 8023, Paul Green, 17th Mar 2015, large patch under trees.

- *057/1.01.c **Viola odorata** var. **subcarnea**. Llancarfan, ST0515 7018, Paul Green, 16th Mar 2015, lots along path in churchyard.
- +062/15.6. **Arabis hirsuta** (Hairy Rock-cress) (Berwr-y-cerrig Blewog). Hirwaun old ironworks site, SN955 058, Barry Stewart, 7th Jul 2015.
- +062/22.1. **Erophila majuscula** (Hairy Whitlowgrass) (Llyisiau'r-bystwn Blewog). Mewslade, SS422 873, Barry Stewart, 20th Mar 2015.
- +062/22.3. **Erophila glabrescens** (Glabrous Whitlowgrass) (Llyisiau'r-bystwn Llyfn). Bovehill, SS464 933, Barry Stewart, 16th Mar 2015, limestone outcrops; (+) Southgate, West Cliff, SS5528 8737, Geoff Toone, 12th Apr 2015, in rutted mud beside veh access behind houses W of Cpk.
- +062/42.1.b. **Raphanus raphanistrum** subsp. **maritimus** (Sea Radish) (Rhuddygl Arfor). Mumbles Road, Mumbles, SS627 875, Barry Stewart, 29th Aug 2015.
- 066/1.3. **Pyrola rotundifolia** (Round-leaved Wintergreen) (Glesyn-y-gaeaf Deilgrwn). Bryn Du and Llech Sychryd, SN99 07, M. Evans, 2nd Aug 2015, sn9943507608. Small group, growing on wetter, lower part of a shallow, S.W facing bank of partially vegetated basic slag.
- 066/1.3.b. **Pyrola rotundifolia** subsp. **maritima**. Tranch Pyle (former lime works), SS853 814, N.P. Roberts, 15th Jun 2015.
- *074/05.17. **Saxifraga rosacea** (Irish Saxifrage) (Tormaen Iwerddon). Morrision Crematorium, SS652 985, Barry Stewart, 8th May 2015, naturalised on several graves.
- +‡074/08.1. **Tellima grandiflora** (Fringecups) (Clychau'r Clawdd). Glyncorrrwg, SS87 98, Charles and Hilary Hipkin, 20th May 2015.
- +077/07.1.a.coc. **Anthyllis vulneraria** subsp. **vulneraria** var. **coccinea**. Crymlyn Burrows, SS714 932, Geoff Toone, 14th Jun 2015, photo's 0765-7. One plant only. Grid ref approximate, about 5-10m S of path.
- +077/14.08. **Vicia tetrasperma** (Smooth Tare) (Ffacbysen Lefn). Wyndham, Cwm Ogwr Fawr, SS93 91, Rob & Linda Nottage, 18th Aug 2015.
- +077/15.08. **Lathyrus sylvestris** (Narrow-leaved Everlasting-pea) (Ytbysen Fythol Gulddail). Parc Coed Ely, ST01634 85538, David Barden, 7th Jun 2015.
- +077/15.12. **Lathyrus nissolia** (Grass Vetchling) (Ytbysen Feinddail). Maesteg (north), SS85 91, Charles Hipkin, Penny Neyland and Laura Roberts, 11th Aug 2015.
- +077/18.5 **Medicago arabica** (Spotted Medick) (Maglys Brith). Llantrisant Common, ST0445 8428, David Barden, 29th Jul 2015.
- +077/19.01. **Trifolium ornithopodioides** (Bird's-foot Clover) (Corfeillionen Wen). Drought prone sandy grassland behind promenade, Barry Island, ST115 665, Glamorgan Botany Group, det. J.P. Woodman, 16th May 2015.
- 077/19.06.‡ **Trifolium suffocatum** (Suffocated Clover) (Meillionen Fygedig). Ogmores by Sea car park, SS862 753, Paul Green, 24th Apr 2015, 100's plants in short sandy sheep grazed turf. 3rd extant VC record.
- *077/25.5. **Genista hispanica** (Spanish Gorse) (Eithinen Sbaen). Resolven Industrial Estate, SN82 02, Charles and Hilary Hipkin, 20th May 2015.

- +084/1.05. **Epilobium tetragonum** (Square-stalked Willowherb) (Helyglys Pedronglog). Ystalwen Tynewydd, SN82 10, Charles and Hilary Hipkin, 9th Jun 2015.
- +‡084/4.1. **Oenothera glazioviana** (Large-flowered Evening-primrose) (Melyn-yr-hwyr Mawr). Maesteg (north), SS85 91, Charles Hipkin, Penny Neyland and Laura Roberts, 11th Aug 2015.
- ⊖084/6.1×2. **Circaea ×intermedia** (Upland Enchanter's-nightshade) (Llyisiau-Steffan yr Ucheldir). Wooded bank of River Taff, Troed y rhiw, SO07369 01498, Glamorgan Botany Group, det. J.P. Woodman, 20th Jun 2015, 2nd extant VC record.
- +088/1.1. **Euonymus europaeus** (Spindle) (Piswydden). Glynccorrwg, SS87 98, Charles and Hilary Hipkin, 5th Oct 2015.
- +‡103/1.03. **Geranium nodosum** (Knotted Crane's-bill) (Pig-yr-aran Glymog). Baglan Energy Park (north), SS73 93, Charles and Hilary Hipkin, 15th Jul 2015.
- ⊖‡107/07.1. **Scandix pecten-veneris** (Shepherd's-needle) (Nodwydd y Bugail). Back wall of car park, Wellington Street, Swansea, SS6543 9272, Geoff Toone, 3rd Jun 2015, between Tesco's and the multi-storey carpark. Near the small zebra crossing between the two, under the back wall of the carpark where the kerb cranks closer to it. Associated with *Phalaris canariensis*. HbGNT.
- +‡111/3.3. **Calystegia pulchra** (Hairy Bindweed) (Taglys Blewog). Seven Sisters Forest, SN82 08, Charles and Hilary Hipkin, 2nd Sep 2015.
- +‡116/03.1. **Pulmonaria officinalis** (Lungwort) (Llyisiau'r Ysgyfaint). Cwm Gwineu, Hafod, SS79 89, Charles and Hilary Hipkin, 17th Sep 2015.
- *116/15.09.glo. **Myosotis ramosissima subsp. globularis**. Nicholaston Burrows, SS52 87, Geoff Toone, 12th Apr 2015.
- +118/23.1. **Mentha arvensis** (Corn Mint) (Mintys yr Âr). Deri, SO12 01, Glamorgan Botany Group, det. J.P. Woodman, 15th Aug 2015.
- +124/20.01.a. **Euphrasia officinalis subsp. pratensis**. Deri, SO13 01, Glamorgan Botany Group, det. J.P. Woodman, 15th Aug 2015.
- +124/20.18. **Euphrasia micrantha** (Purple-stemmed Eyebright) (Effros Mân-flodeuog). Mynydd Margam, SS82 88, Charles and Hilary Hipkin, 6th Aug 2015.
- +133/1.1.dun. **Valerianella locusta var. dunensis**. Nicholaston Burrows, SS52 87, Geoff Toone, 12th Apr 2015.
- 135/15.2. **Hypochaeris glabra** (Smooth Cat's-ear) (Melynydd Moel). Short sandy turf, Ogmore by Sea car park, SS862 753, J.P. Woodman, 21st May 2015, 5th extant record.
- +‡135/22.1. **Lactuca serriola** (Prickly Lettuce) (Letusen Bigog). Clifton Terrace, Mumbles, SS623 876, Barry Stewart, 29th Aug 2015.
- +135/23.2. **Cicerbita macrophylla** (Common Blue-sow-thistle) (Llaethysgallen Las). Oystermouth Cemetery, SS606 885, Barry Stewart, 7th May 2015.
- +135/28.01.4.‡ **Hieracium salticola** (Bluish-leaved Hawkweed). Glynccorrwg ponds, SS86 98, Charles and Hilary Hipkin, 5th Oct 2015, small population at side of Glynccorrwg bike path.

- +‡135/44.flo. **Conyza floribunda** (Many-flowered Fleabane). Clifton Terrace, Mumbles, SS623 876, Barry Stewart, 29th Aug 2015.
- *©135/55.aus. **Anthemis austriaca** (Austrian Chamomile). Crugau, Resolven, SN83 03, Charles and Hilary Hipkin, 27th May 2015, seeded verge near Resolven rugby/cricket ground.
- +135/62.01×10.‡ **Senecio** × **albescens**. Barry Island, ST1172 6645, Paul Green, Andy Jones & J.P. Woodman, 8th Jun 2015, two plants on edge of car park. Both parents nearby.
- *147/5.1×2. **Arum italicum** × **maculatum**. Castle Rd, Burton, ST0371 6749, Paul Green, 28th Mar 2015, small clump on road verge with both parents.
- +151/1.06. **Juncus foliosus** (Leafy Rush) (Brwynen Ddeiliog). Nicholaston Woods lower slopes & dunes, SS51 87, Geoff Toone, 3rd Jun 2015, beside the footpath north in woodland along a slight peaty hollow, 50+ clumps.
- +152/05.1 **Scirpus sylvaticus** (Wood Club-rush) (Clwbfrwynen Bengron). Resolven, SN82 03, Charles and Hilary Hipkin, 22nd May 2015.
- +152/16.09.a. **Carex divulsa subsp. divulsa** (Grey Sedge). Nicholaston Woods and dunes, SS52 87, Geoff Toone, 6th Jun 2015; (+) Cwmgwrach, SN86 05, Charles and Hilary Hipkin, 31st May 2015.
- +152/16.25. **Carex acutiformis** (Lesser Pond-sedge) (Hesgen -y-dŵr Fach). Resolven Industrial Estate, SN82 02, Charles and Hilary Hipkin, 20th May 2015, large patches in wet grassland at SN82330244 and SN82350244.
- +152/16.65. **Carex acuta** (Slender Tufted-sedge) (Hesgen Tywysennau Main [ennau main/meinion]). Crymlyn Bog Visitor's Centre, SS6885 9422, Geoff Toone, conf. Mike Porter, 10th Apr 2015, at the water's edge beside the circular boardwalk at its easternmost corner, a small patch. HbMSP ex HbGNT photos 0505-8.
- +152/16.can **Carex canescens**. Moel yr Hyrddod, SN85 00, Charles and Hilary Hipkin, 18th Aug 2015, in ditch at side of forestry clearfell area.
- +‡153/39.2. **Agrostis gigantea** (Black Bent) (Maeswellt Mawr). Deri, SO12 01, Glamorgan Botany Group, det. J.P. Woodman, 15th Aug 2015.
- +153/46.1.‡ **Polypogon monspeliensis** (Annual Beard-grass) (Barfwellt Unflwydd). Cycle track, Coedely, ST0285 8472, David Barden, 11th Jul 2015.
- +‡153/46.2. **Polypogon viridis** (Water Bent) (Barfwellt y Dŵr). Singleton Park, Swansea, SS629 922, Ian K. Morgan, 28th Jul 2015, one clump at path edge.
- +‡153/52.5. **Anisantha madritensis** (Compact Brome) (Pawrwellt Cryno). Deri, ST127 017, Glamorgan Botany Group, det. J.P. Woodman, 15th Aug 2015.
- +153/59.4. **Hordeum secalinum** (Meadow Barley) (Haidd y Maes). Hospital grounds, Llantrisant, ST0357 8397, David Barden, 7th Aug 2015.
- +‡158/24.03. **Allium roseum** (Rosy Garlic) (Garlleg Rhosliw). N. side of churchyard, Llanblethian, church, SS9849 7407, David Barden, 6th Jun 2015.
- *‡158/24.04. **Allium neapolitanum** (Neapolitan Garlic) (garlleg Napoli). Swanbridge, ST1653 6761, Paul Green, 23rd Mar 2015, large patch on road verge.
- +‡158/24.07. **Allium triquetrum** (Three-cornered Garlic) (Garlleg Trionglog). Penylan road, Aberthin, ST0107 7494, David Barden, 4th Apr 2015.

Glamorgan, v.c.41 / Brecon, v.c.42

- +‡158/25.1. **Nectaroscordum siculum** (Honey Garlic) (Garlleg y Mêl). SS9472 1km square around Sutton, SS94 72, Rob & Linda Nottage, 6th Jun 2015, beside railway.
- +‡159/02.2. **Sisyrinchium montanum** (American Blue-eyed-grass) (Sisirinciwm y Mynydd). Pantyffordd, Onllwyn, SN83 10, Charles and Hilary Hipkin, 9th Jun 2015, abundant on reclaimed coal tips.
- +162/18.2. **Dactylorhiza maculata** (Heath Spotted-orchid) (Tegeirian Brych y Rhos). Ystalwen Tynnewydd, SN82 10, Charles and Hilary Hipkin, 9th Jun 2015.
- +162/18.3.a. **Dactylorhiza incarnata subsp. incarnata** (a subspecies of Early Marsh-orchid). Oxwich NNR (slack 44) and adjacent, SS510 876, Barry Stewart, 24th Jun 2015.
- +162/18.3.b. **Dactylorhiza incarnata subsp. coccinea**. Tranch Pyle (former lime works), SS853 814, N.P. Roberts, 15th Jun 2015.
- +162/20.3. **Anacamptis morio** ([Green-winged Orchid]) (Tegeirian y Waun). Fairwood Common, SS572 908, Barry Stewart, 7th May 2015, one flowering plant on verge at SS57219083; (+) Mumbles Thistleboon Footpath, SS61 86, Geoff Toone, 2nd Jun 2015, a few in glade above the cove

BRECON, v.c.42 (comm. M. Porter & J. Crellin)

- +006/1.1. **Osmunda regalis** (Royal Fern) (Rhedynden Gyfrdwy). Ystrad Fawr Nature Reserve, SN79 09, Steph Coates, 9th Jun 2015.
- +017/1.1. **Polystichum setiferum** (Soft Shield-fern) (Gwrychredynen Feddal). Usk Reservoir West, SN82J, Jo Parmenter, det. 19th Sep 2015.
- ©020/4.gla. **Picea glauca** (White Spruce) (Sbriwsen Wen). Cwm Oergwm, SO06 23, John Crellin, 4th Mar 2015, BWT Nature Reserve.
- +028/13.10. **Ranunculus auricomus** (Goldilocks Buttercup) (Blodyn-y-menyn Peneuraid). Wernnewydd, SN96 65, John Crellin, 30th Jul 2015, by river path.
- +028/13.18. **Ranunculus hederaceus** (Ivy-leaved Crowfoot) (Crafanc-y-frân Dail Eiddew). Near Onllwyn, SN84 11, Mike & Christine Porter, 12th Jun 2015, wet moorland.
- 052/1.1×2.‡ **Tilia ×europaea (T. platyphyllos × T. cordata)** (Lime) (Pisgwydden). Llysdinam House, Newbridge-on-Wye, SO00 63, John Ockenden, 29th May 2015, update of pre-1970 record.
- +061/2.11×12. **Salix cinerea × S. aurita = S. ×multinervis**. Ystrad Fawr Community Centre, Penrhos to Ysgol Golwg y Cwm, SN79 10, John Crellin, Stephanie Coates, Mike & Christine Porter, 30th May 2015, bank verge between school and community centre to BWT Reserve, rhos pasture.
- ⊗062/22.3. **Erophila glabrescens** (Glabrous Whitlowgrass) (Llyisiau'r-bystwn Llyfn). Brecon Beacons National Park Offices Car Park, SO05 28, John Crellin, 27th Mar 2015, confirmed by Dr T Elkinon, **Herb74**

- +062/23.5. ‡ **Cochlearia danica** (Danish Scurvygrass) (Llwylys Denmarc). Usk, SO06 27, Paul Green, 1st Apr 2015; (+) 2km E of Brecon, SO07 27, Mike & Christine Porter, 10th Apr 2015, road verge.
- *‡065/6.1. **Daboecia cantabrica** (*Daboecia cantabrica* - St Dabeoc's Heath - 605 - 65 - 6 - 1 -) (Grug Dabeoc). A467 Roundabout, SO19 12, Barry Stewart, 13th Oct 2015, **Herb48**
- +‡069/3.1. **Cyclamen hederifolium** (Sowbread) (Bara'r Hwch). Irfon / Wye, SO03 51, John Crellin, 3rd Jan 2015, flowering (New Year Hunt).
- +‡074/08.1. **Tellima grandiflora** (Fringecups) (Clychau'r Clawdd). 2km W of Llangors, SO11 27, Mike Porter, 15th May 2015.
- +‡075/19.15. **Alchemilla mollis** (Garden Lady's-mantle) (Mantell-Fair y Gerddi). Usk Reservoir West, SN82J, Jo Parmenter, det. 19th Sep 2015.
- +‡075/28.07. **Sorbus intermedia** (Swedish Whitebeam) (Cerddinen Sweden). Cefn Byrle, Coelbren, SN83 11, Mike & Christine Porter, 12th Jun 2015, bank of A4221 seedlings and saplings from originally planted specimens.
- *‡075/32.39. **Cotoneaster franchetii** (Franchet's Cotoneaster) (Cotoneaster Franchet). Henrhyd, SN85 11, John Crellin, 22nd Oct 2015, amenity planting.
- +077/07.1. **Anthyllis vulneraria** (Kidney Vetch) (Plucen Felen). Disused railway embankment, SN84 10, Mike & Christine Porter, 7th Jun 2015, road verge, rough wet grassland, disused railway embankment SN8401010450, extends off embankment to railway.
- +077/14.06. **Vicia hirsuta** (Hairy Tare) (Ffacbysen Flewog). Ystrad Fawr Community Centre, Penrhos to Ysgol Golwg y Cwm, SN79 10, John Crellin, Stephanie Coates, Mike & Christine Porter, 30th May 2015, bank verge between school and community centre to BWT Reserve, rhos pasture; (+) Cefn Byrle, Coelbren, SN83 11, Mike & Christine Porter, 12th Jun 2015, road verge and bank.
- +077/15.12. ‡ **Lathyrus nissolia** (Grass Vetchling) (Ytbysen Feinddail). Ystradgynlais, SN79 10, John Crellin, 30th May 2015, in restored grassland around school.
- +077/18.1. **Medicago lupulina** (Black Medick) (Maglys Du). Park Wood area, SO23 24, John Crellin, 13th Aug 2015, update of pre-1987 record.
- +085/1.1. **Cornus sanguinea** (Dogwood) (Cwyrosyn). Ystradgynlais, SN79 10, John Crellin, 30th May 2015.
- +‡091/2.16.b. **Euphorbia amygdaloides subsp. robbiae**. Crickhowell from war memorial to El Victa entrance, SO22 18, Mike Porter, 20th Mar 2015, road verge and wall.
- +‡099/1.1. **Acer platanoides** (Norway Maple) (Masarnen Norwy). Onllwyn/Coelbren, SN84 11, Mike & Christine Porter, 12th Jun 2015, road linking 4221 to 4109. Rough, damp field beside road No 10 Amenity planting.
- +‡103/1.01. **Geranium endressii** (French Crane's-bill) (Pig-yr-aran Ffrainc). Bwlch, SO15 22, John Crellin, 25th Jun 2015.
- +103/1.07. **Geranium pratense** (Meadow Crane's-bill) (Pig-yr-aran y Weirglodd). Wernnewydd, SN96 65, John Crellin, 30th Jul 2015.

- +103/1.10. **Geranium columbinum** (Long-stalked Crane's-bill) (Pig-yr-aran Hirgoes). Glanrhyd, SN98 24, John Crellin, 10th Sep 2015.
- +‡103/1.14. **Geranium pyrenaicum** (Hedgerow Crane's-bill) (Pig-yr-aran y Gwrych). Hay, SO22 42, John Crellin, 8th Jul 2015, hay on Wye 2015 Survey.
- *‡103/1.17. **Geranium macrorrhizum** (Rock Crane's-bill) (Pig-yr-aran Wreiddfawr). Talgarth, SO15 33, Paul Green, 10th Jun 2015, didn't look planted as no other garden species on river bank.
- +‡106/1.hib. **Hedera hibernica**. Glanrhyd, SN98 24, John Crellin, 10th Sep 2015.
- +107/44.1.a. **Daucus carota subsp. carota** (Wild Carrot) (Moronen y Maes). Near Onllwyn, SN84 10, Mike & Christine Porter, 6th Jul 2015, embankment of disused railway.
- +108/3.2. **Centaureum erythraea** (Common Centaury) (Y Ganrhi Goch). Crychan Forest roadside, SN91 43, John Crellin, 4th Aug 2015, cultivar: 'white form'.
- +114/1.1.‡ **Polemonium caeruleum** (Jacob's-ladder) (Ysgol Jacob). 2km W of Llangors, SO11 27, Mike & Christine Porter, 15th May 2015, rough grassland on roadside.
- +116/02.1. **Echium vulgare** (Viper's-bugloss) (Gwiberlys). Talgarth Car Park, SO15 33, John Crellin, 13th Aug 2015, garden escape but established.
- +116/15.10. **Myosotis discolor** (Changing Forget-me-not) (Sgorpionllys y Amryliw). Ystradgynlais, SN79 10, John Crellin, 30th May 2015, update of pre-1987 record.
- +118/23.1×2. **Mentha arvensis** × **M. aquatica** = **M. ×verticillata** (Whorled Mint) (Mintys Troellennog). Grwyne Fechan, SO22 25, John Crellin, 13th Aug 2015, update of pre-1987 record.
- *121/1.1. **Plantago coronopus** (Buck's-horn Plantain) (Llyriad Corn Carw). Crychan Forest roadside, SN91 43, John Crellin, 4th Aug 2015, frequent in this area,
- Herb51**
- +‡124/01.01 **Verbascum blattaria** (Moth Mullein) (Pannog y Gwyfyn). Builth Wells, SO04 51, Andy Shaw, 14th Aug 2015, in rough area close to the entrance to White House camping grounds (private property visible from road).
- +124/02.2. **Scrophularia auriculata** (Water Figwort) (Gwrnerth y Dŵr). Llech Bridge, SN83 12, John Crellin, 22nd Oct 2015, **Herb44**
- +‡124/15.1. **Erinus alpinus** (Fairy Foxglove) (Clychau'r Tylwyth Teg). Darren Fawr, SO02 09, Paul Green, 31st May 2015.
- +©124/SUT.cor. **Sutera cordata** (Bacopa). Talgarth, SO15 33, Paul Green, 10th Jun 2015.
- +130/6.07. **Galium album** (Hedge Bedstraw) (Briwydd y Clawdd). Ystrad Fawr Community Centre, Penrhos to Ysgol Golwg y Cwm, SN79 10, John Crellin, Stephanie Coates, Mike & Christine Porter, 30th May 2015, bank verge between school and community centre to BWT Reserve, rhos pasture.
- +134/1.1. **Dipsacus fullonum** (Wild Teasel) (Cribau'r-pannwr Gwyllt). Ystradgynlais, SN79 10, John Crellin, 30th May 2015.
- +135/02.1. **Carlina vulgaris** (Carline Thistle) (Ysgallen Siarl). Dunant Wysg, SN81 26, John Crellin, 9th May 2015.

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- +135/03.nem. **Arctium nemorosum** (Wood Burdock) (Cyngaf y Coed).
Wernnewydd, SN96 65, John Crellin, 30th Jul 2015, **Herb54**
- +135/26.5. **Crepis vesicaria** (Beaked Hawk's-beard) (Gwalchlys Gylfinog). Onllwyn Colliery Road/bridleway, SN84 10, Mike & Christine Porter, 7th Jun 2015, road verge, rough wet grassland, disused railway embankment SN8401010450, goes off embankment to railway.
- +‡135/80.1. **Galinsoga parviflora** (Gallant-soldier) (Galinsoga). Glamorgan Street Brecon, SO04 28, Florence Benoy, 15th Aug 2015.
- *‡135/81.fer. **Bidens ferulifolia** (Fern-leaved Beggarticks). Talgarth, SO15 33, Paul Green, 10th Jun 2015, didn't look planted as no other garden species on river bank.
- +152/16.07. **Carex spicata** (Spiked Sedge) (Hesgen Ysbigog Borffor). Near Onllwyn, SN84 11, Mike & Christine Porter, 12th Jun 2015, road verge.
- +152/16.29. **Carex vesicaria** (Bladder-sedge) (Hesgen Chwysigennaidd). Source of Nant Tadarn, SN81 58, John Crellin, 2nd Jul 2015, **Herb59**
- +152/16.46.a. **Carex lepidocarpa** (Long-stalked Yellow-sedge). Gilwern Hill SW, SO23 12, John Crellin, 20th Jun 2015.
- +153/12.01. **Schedonorus pratensis** (Meadow Fescue) (Peiswellt). Wernnewydd, SN96 65, John Crellin, 30th Jul 2015.
- +153/18.06. **Poa angustifolia** (Narrow-leaved Meadow-grass) (Gweunwellt Culddail). Onllwyn/Coelbren, SN84 11, Mike & Christine Porter, 12th Jun 2015, rough, damp field beside road.
- +153/21.1. **Catapodium rigidum** (Fern-grass) (Gwenithwellt Caled). BUILT Primary School, SO03 50, Hannah Shaw, 10th Jun 2015.
- +‡158/20.3. **Hyacinthoides hispanica** (Spanish Bluebell) (Clychau'r-gog Sbaenaidd). Lane near Pistyll Wood, SO11 27, Mike Porter, 15th May 2015.
- +‡159/13.3×aur. **Crocoshia pottsii** × **C. aurea** = **C. ×crocoshiaiflora** (Montbretia) (Crib-y-ceiliog). Area around Pistyll Wood, Llangorse, SO11 27, Mike & Christine Porter, det. Mike Porter, 15th May 2015.
- *162/18.4×5. **Dactylorhiza ×insignis** (**D. praetermissa** × **D. purpurella**). Onllwyn/Coelbren, SN84 11, Mike & Christine Porter, det. Mike Porter, 12th Jun 2015.
- +162/18.5. **Dactylorhiza purpurella** (Northern Marsh-orchid) (Tegeirian-y-gors Gogleddol). Ystrad Fawr Nature Reserve, SN79 10, John Crellin, 30th May 2015, many plants in a wide area north west of reserve

RADNOR, v.c.43 (comm. E.R.Dean & S.M.Spencer)

- *017/3.02×03. **Dryopteris ×complexa** (**D. filix-mas** × **D. affinis**). Llanbwchllyn Lake, SO11 46, A. Vaughan, 18th July 2015.
- *‡047/5.3. **Fallopia baldschuanica** (Russian-vine) (Clymog Rwsia). Roadside hedgerow, Cloggie, SO22 71, E.R. Dean & S.M. Spencer, 19th Sep 2015, naturalised.

- *151/1.25×26. **Juncus ×diffusus** (Diffuse Rush). Llandegley Mill, SO14 63, E.R. Dean, 8th May 2015.
+153/32.1.b. **Deschampsia cespitosa var brevipolia**. Dry gravel on riverside, Gororion, SN87 73, E.R. Dean & S.M. Spencer, 12th Sep 2015

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

- +c1-1-glo **Tolypella glomerata** (Clustered Stonewort). Shallow pool at east end of entrance ramp to disused limestone quarry, Crwbin Quarry, SN4777 1343, R.D.Pryce & K.A.Pryce, det. N.F. Stewart, 18th April 2016, 19th Apr 2009, also in large pond at SN 4780 1341, **Herb NMW**
- +c1-1-vir **Chara virgata** (Delicate Stonewort). Ornamental, vertical-sided circular pool at head of Broad Walk Rill, National Botanic Garden of Wales, SN5215 1821, R.D.Pryce & K.A.Pryce, conf. N.F. Stewart, 18th April 2016, 28th Nov 2015, **Herb NMW**; (+) puddle at edge of track, Tirydail Colliery tip, SN6178 1332, R.D.Pryce & K.A.Pryce, det. N.F. Stewart, 18th April 2016, 3rd Jun 2009, also in small reedbed at SN 6170 1325 (RDP, 18/6/10), **Herb NMW**; (+) conservation scrape in rush-pasture field, Penygraig Goch, SN7431 2249, BSBI Meeting, det. N.F. Stewart, 18th April 2016, 26th Jun 2015, also in another conservation scrape at SN 7429 2246, **Herb NMW**; (+) gravel-extraction pond on Tywi flood-plain, Llwyn Jack, Llandovery, SN7530 3293, BSBI Meeting, det. N.F. Stewart, 18th April 2016, 13th Jul 2009, **Herb NMW**
- +c1-1-vul **Chara vulgaris var. vulgaris**. In ponded water in Coal Measures quarry, Glyngwernan Quarry, Llanelli, SN5341 0245, R.D.Pryce, conf. N.F. Stewart, 18th April 2016, 22nd Sep 2011, also at SN 5338 0249, **Herb NMW**
- +c1-1-vul **Chara vulgaris var. longibracteata**. In disused, steel, wheel-wash tank, Allt-y-garn Quarry, Carmel, SN5888 1570, R.D.Pryce & K.A.Pryce, det. N.F. Stewart, 18th April 2016, 29th Sep 2011, **Herb NMW**
- +c1-1-vul **Chara vulgaris var. papillata**. In disused, steel, wheel-wash tank, Allt-y-garn Quarry, Carmel, SN5888 1570, R.D.Pryce & K.A.Pryce, det. N.F. Stewart, 18th April 2016, 29th Sep 2011, **Herb NMW**
- +007/3.1. **Adiantum capillus-veneris** (Maidenhair Fern) (Briger Gwener). Broadleaf woodland, Maesquarre TN1515, SN652 232, Llanelli Naturalists field meeting, det. R.D.Pryce & K.A.Pryce, 14th Jun 2015, patch introduced about 25 yrs ago now naturalised over area 2m x 1.5m, , under Beech.
- *‡017/2.1. **Cyrtomium falcatum** (House Holly-fern) (Gwrychredynen-y-Celyn y Tŷ). In mortar and at base of stone wall, National Botanic Garden of Wales, Middleton, SN5193 1808, R.D. Pryce & K.A. Pryce, 11th Oct 2015, at least five self-established plants, varying from 5-40cm across, growing from inner wall of Double Walled Garden.
- +017/3.03b. **Dryopteris affinis subsp. cambrensis**. Edge of willow carr, Cwm-ffrwd, Brechfa, SN5069 2957, R.D.Pryce & K.A.Pryce, 2nd Jan 2015.

- +‡021/3.1.© **Thuja plicata** (Western Red-cedar) (Cedrwydden Goch). Grassland adjacent to reservoir, North shore of Usk Reservoir, SN8303 2909, Jo Parmenter, 19th Sep 2015, one seedling.
- +‡028/09.hup×vit. **Anemone ×hybrida** (Japanese Anemone) (Blodyn-y-gwynt Japaneaidd). Inner edge of pavement, Queen Victoria Road, Llanelli, SN5042 0002, Llanelli Naturalists field meeting, det. R.P.C.Shaw, R.D.Pryce, K.A.Pryce, 13th Sep 2015, two small shoots outside curtilage wall of garden where parent plant is growing.
- +‡028/12.3. **Clematis tangutica** (Orange-peel Clematis) (Barf-yr-hen-wr Oren). Disused Carboniferous Limestone quarry, Crwbin Quarry, SN4784 1318, R.D.Pryce & K.A.Pryce, 19th Sep 2015, three well established self-sown plants of Clematis tangutica in flower and seed in moss/low plant patch on limestone cobble/gravel quarry floor. See photo on back cover.
- +028/17.3.‡ **Thalictrum flavum** (Common Meadow-rue) (Arianllys). In disturbed tall-fen/marshy grassland, Latchygors, Llanfallteg., SN1653 2007, Matt Sutton, 5th May 2015, a few plants possibly introduced; (+) on side of track through wet willow woodland established on disturbed ground, National Botanic Garden of Wales, Middleton, SN5227 1787, Bruce Langridge, 22nd Jun 2007, one plant.
- +†030/1.5.a. **Papaver dubium subsp. dubium** (Long-headed Poppy). Part vegetated disused quarry, Entrance to Dan-yr-Allt, Llandovery, SN7787 3436, BSBI Meeting, det. A.O.Chater, G.M.Kay & R.D.Pryce, 24th Jun 2015, first recent record for the SN73 hectad.
- +†043/1.13. **Chenopodium ficifolium** (Fig-leaved Goosefoot) (Troed-yr-wydd Dail Ffigys). Dumped spoil on roadside, N of Penrhiw Uchaf, nr. Myddfai, SN7840 2784, Jo Parmenter, 20th Sep 2015, 1 plant.
- +043/3.02. **Atriplex prostrata** (Spear-leaved Orache) (Llygwyn Tryfal). Farmyard, National Botanic Garden of Wales, Middleton, SN5337 1864, R.D.Pryce, 31st Jul 2015, on old bales and straw in area of silage clamp. Also in reseeded field at SN 5288- 1859-.
- *043/6.1×2. **Salicornia pusilla × S. ramosissima**. Middle saltmarsh, Pembrey Burrows, SS4184 9975, R.P.C.Shaw, R.D.& K.A.Pryce., 3rd Oct 2015, first Welsh record, **Herb NMW**; (+) top saltmarsh, Kidwelly Saltmarsh, SN3992 0606, R.D.Pryce & K.A.Pryce, 25th Oct 2015, top saltmarsh. Also in poached and tussocky upper saltmarsh at SN 4000 0595. Second and third Welsh records, **Herb NMW**
- +046/05.4. **Stellaria neglecta** (Greater Chickweed) (Gwlyddyn-y-dom Mawr). Edge of woodland, Salthouse Farm access track, nr. Laugharne, SN2908 0947, R.D.Pryce, B.Stewart, C.Morgan & R.Low, det. R.D.Pryce, 5th May 2015, only one plant noted.
- +046/17.4. **Spergularia rubra** (Sand Spurrey) (Troellig Arfor Coch). Gravel surfaced hardstanding, Brynffo car-park, Crychan Forest, SN8488 4091, R.D.Pryce & K.A.Pryce, 9th Jul 2015, about six plants only. First record for vc44 part of SN84 hectad.

- +©047/1.cap. **Persicaria capitata** (Pink-headed Persicaria)). Victoria Street, Llandovery, SN7679 3452, R.N.Stringer & I.K.Morgan, 22nd Oct 2015, self-sown onto pavement from adjacent garden.
- +051/1.09. **Hypericum tetrapterum** (Square-stalked St John's-wort) (Eurinllys Pedronglog). Pant-coy - Pen-twyn, Cwrt-y-cadno monad, SN69- 43-, Chris Cheffings & Guy Moss, 24th Jun 2015.
- +061/2.05. **Salix purpurea** (Purple Willow) (Helygen Gochlas). River cliff, Afon Cothi, Edwinsford, Talley, SN6325 3464, R.D.Pryce & K.A.Pryce, 23rd Apr 2015, one small plant on river cliff with two mature bushes nearby. First recent record for SN63 hectad.
- *‡062/14.cor. **Cardamine corymbosa** (New Zealand Bitter-cress) (Berwr Chwerw Seland Newydd). National Botanic Garden of Wales, Middleton, SN5205 1839, BSBI Meeting, det. S.J.Thomas & R.D.Pryce, 30th May 2015, locally abundant by pool in Great Glasshouse. Also in pot plants in polytunnel at SN5205 1839 but not yet been recorded outside glasshouses.
- +‡062/33.2. **Diploxys muralis** (Annual Wall-rocket) (Roced-y-muriau'r Tywod). North shore of Usk Reservoir, SN8303 2908, Jo Parmenter, 19th Sep 2015.
- +©062/9.1. **Malcolmia maritima** (Virginia Stock) (Murwyll Virginia). Weedy forecourt of former YWCA, Queen Victoria Road, Llanelli, SN5044 0004, Llanelli Naturalists field meeting, det. R.D.Pryce, K.A.Pryce & I.K.Morgan, 13th Sep 2015, two self-sown plants.
- +065/13.1. **Vaccinium oxycoccos** (Cranberry) (Llygaeren). Blanket mire/wet heath, Pen Rhiw-ddu, Mynydd Du., SN7293 1904, Llanelli Naturalists field meeting, det. K.A.Pryce, 30th Aug 2015, sub-dominant patch at least 1 sq.m across, scrambling over the Sphagnum surface.
- *‡074/03.1. **Bergenia crassifolia** (Elephant-ears) (Clustiau Eliffant). Concrete block wall, Llandeilo, SN6290 2247, R.D.Pryce, 24th Aug 2015, self sown.
- +‡074/07.1. **Tolmiea menziesii** (Pick-a-back-plant) (Crydllys). Roadside bank, Troed-y-rhiw, 4km N of Llanwrda, SN7028 3514, M.O.Stead, 26th Jun 2015, opposite entrance to farm.
- +‡074/08.1. **Tellima grandiflora** (Fringecups) (Clychau'r Clawdd). Wet willow woodland established on disturbed ground, National Botanic Garden of Wales, Middleton, SN5232 1788, R.D.Pryce, 22nd May 2015, occasional naturalised plants; (+) boundary bank, Plas Bach Siloh TN1524, SN7477 3753, R.Pipe, M.Illiff, K.A. & R.D.Pryce, 7th Jun 2015, also at SN 7476 3750.
- +075/09.14×15. **Potentilla ×mixta** (Hybrid Cinquefoil) (Pumnales Groesryw). Rank grassland by Afon Gronw, Y Ddol, nr. Llanboidy, SN2243 2337, BSBI Meeting, det. A.O.Chater & R.D.Pryce, 23rd Jun 2015.
- 075/19.10.b. **Alchemilla filicaulis subsp. vestita** (Mantell-Fair Flewog). Side of forestry track, Forestry E of Llan-ddu, Porthyrhyd, SN7199 3885, Andy Jones & Martyn Stead, 24th Jun 2015, first post 2000 record away from the Carboniferous Limestone outcrop.
- +‡075/19.15. **Alchemilla mollis** (Garden Lady's-mantle) (Mantell-Fair y Gerddi). North side of stone boundary wall on north side of churchyard, Marros, SN2074

- 0895, BSBI Meeting, 25th Jun 2015; (+) N shore of Usk Reservoir, SN82- 29-, Jo Parmenter, 19th Sep 2015, .
- +075/21.16 **Rosa sherardii** (Sherard's Downy-rose) (Rhosyn Sherard). Dry dune grassland, Pendine MoD East 4 Range, SN3065 0724, BSBI Meeting, det. G.M.Kay, 21st Jun 2015, one plant.
- +‡075/32.10. **Cotoneaster salicifolius** (Willow-leaved Cotoneaster) (Cotoneaster Dail Helyg). Roadside hedgerow, Idole, Carmarthen, SN4223 1578, R.D.Pryce, 7th Dec 2015, one self-sown bush, another in a nearby hedge.
- +077/10.3. **Ornithopus perpusillus** (Bird's-foot) (Troed yr Aderyn). Grassy track, Nant-y-Garreg, nr. Saron, SN3696 3664, West Wales Biological Information Centre recording meeting,, det. R.D.Pryce & K.A.Pryce, 7th Jul 2015, 20+ small plants, two in flower/seed on east side of vegetated quarry. First record for vc44 part of SN33 hectad.
- +077/PIS.sat.arv. **Pisum sativum var. arvense** (Field Pea). Reseeded field, National Botanic Garden of Wales, Middleton, SN5302 1862, R.D.& K.A.Pryce and B.J.& D.J.Wright,, det. R.D.Pryce & K.A.Pryce, 29th Jun 2015, at least four self-sown plants on banks of drainage ditch between fields.
- +089/1.1. **Ilex aquifolium** (Holly) (Celynnen). North shore of Usk Reservoir, SN82- 29-, Jo Parmenter, 19th Sep 2015, first record for vc44 part of SN82 hectad.
- +‡091/2.16. **Euphorbia amygdaloides** (Wood Spurge) (Llaethlys y Coed). Hedgebank, Wenallt, nr. Llanddeusant, SN7651 2345, Jo Parmenter, 20th Sep 2015, 1-2 plants.
- +‡102/1.12. **Oxalis tetraphylla** (Four-leaved Pink-sorrel) (Suran Bedair Deilen). Weedy vegetable patch, Backlane north of Coldstream Street, Llanelli, SN5040 0059, Llanelli Naturalists field meeting, det. I.K.Morgan, 13th Sep 2015, one self-seeded plant. Second vc record.
- +‡103/1.02. **Geranium versicolor** (Pencilled Crane's-bill) (Pig-yr-aran Resog). WWT Penclacwydd, SS5318 9858, David Rich, 25th Jul 2015.
- +‡103/1.14. **Geranium pyrenaicum** (Hedgerow Crane's-bill) (Pig-yr-aran y Gwrych). Wenallt, nr. Llanddeusant, SN7634 2345, Jo Parmenter, 20th Sep 2015, hedgebank.
- +‡103/1.23. **Geranium phaeum** (Dusky Crane's-bill) (Gweddw Alarus). Pant-coy, SN6938 4388, Chris Cheffings & Guy Moss, 24th Jun 2015, naturalized in hedge - some other ex-garden plants nearby.
- 108/4.1. **Blackstonia perfoliata** (Yellow-wort) (Y Ganrhi Felen). Disused Carboniferous Limestone quarry, Crwbin Quarry, SN476 133, R.D.Pryce & K.A.Pryce, 19th Sep 2015, small populations scattered within quarry.
- 108/5.4. **Gentianella amarella** (Autumn Gentian) (Crwynllys yr Hydref). Disused Carboniferous Limestone quarry, Crwbin Quarry, SN47- 13-, R.D.Pryce & K.A.Pryce, 4th Oct 2015, population of 20-25,000 plants. SN475132 to SN476133 to SN478131 to SN477130. First recorded here by S.& A.Coker in 2009. Threatened by quarry redevelopment. See photo on inside back cover.
- +110/2.2. **Lycium chinense** (Chinese Teaplant) (Ysbeinwydden Tsieina). On top of stone-wall, Llanelli, SN5035 0055, Llanelli Naturalists field meeting, det.

- R.D.Pryce, K.A.Pryce & I.K.Morgan, 13th Sep 2015, well established, self sown plant on NE side of backlane between Coldstream Street and Coleshill Terrace. See photo on inside back cover.
- +110/8.6. **Solanum dulcamara** (Bittersweet) (Elinog). N shore of Usk Reservoir, SN82- 29-, Jo Parmenter, 19th Sep 2015,
- +‡116/09.1. **Borago officinalis** (Borage) (Tafod yr Ych). Rank grassland bank, W side of St David's Hospital car park, Carmarthen, SN3946 2039, R.D.Pryce, 27th Mar 2015, two self-sown plants.
- +‡116/12.2.© **Amsinckia micrantha** (Common Fiddleneck) (Amsincia). Hay meadow, Llanlash, Broadoak, SN571 221, Rosetta Plummer, 25th Aug 2015, one plant found by Helen & Andrew Martin amongst *Rhinanthus minor*. Second VCR.
- +116/15.09. **Myosotis ramosissima** (Early Forget-me-not) (Sgorpionllys Cynnar). In wheat field, Rhydgoch, Llanwinio, SN2456 2809, M.O.Stead, R.A.Jones & J.Hughes, 23rd Jun 2015, near old gate.
- +124/01.07. **Verbascum thapsus** (Great Mullein) (Pannog Felen). Dry trackside bank, Lleiniau, Llanboidy, SN2312 2374, BSBI Meeting, det. A.O.Chater, A.Copping, R.D.Pryce & R.P.C.Shaw, 23rd Jun 2015, one self-sown plant.
- +‡124/16.21. **Veronica persica** (Common Field-speedwell) (Rhwyddlwyn y Maes). North shore of Usk Reservoir, SN82- 29-, Jo Parmenter, 19th Sep 2015, first record for vc44 part of SN82 hectad.
- +□124/20.02. **Euphrasia rivularis** (Effros y Nant). Upland, sheep-grazed acid grassland, NE of Gwar Glwydeth, Mynydd Llanllwni, SN4924 3741, R.D.Pryce & K.A.Pryce, det. A.J.Silverside, 10/4/2015 “the best material I've seen outside Snowdonia”, 16th Aug 2014, first record away from Snowdonia and Mynydd Du - a stepping stone between the two, c.35km from the latter, **Herb NMW**
- *124/20.09×18. **Euphrasia confusa** × **scottica**. Upland, sheep grazed, acid grassland roadverge, E of Penrhiw-ddu, Mynydd Du, SN7322 1878, R.D.Pryce & K.A.Pryce, det. A.J.Silverside, 10/4/2015, 11th Aug 2012, also in disused quarry workings at SN 7306 1881, **Herb NMW**
- +128/2.6. **Utricularia minor** (Lesser Bladderwort) (Chwysigenddail Bach). Intact, unmodified mire, Cors Bryn Mawr, SN6698 5009, Matt Sutton, 8th Oct 2015, first record for vc44 part of SN65 hectad.
- +‡133/1.2. **Valerianella carinata** (Keel-fruited Cornsalad) (Gwylaeth-yr-oen Ffirwythau Rychog). Limestone chippings verge of tarmac path., National Botanic Garden of Wales, Middleton, SN5212 1836, B.Stewart & R.D.Pryce, 29th Apr 2015, self-sown at entrance to Welsh Habitats demonstration exhibits.
- +135/09.1. **Serratula tinctoria** (Saw-wort) (Dant y Pysgodyn). Seepage in slumped clay maritime cliff, East of Marros Mill, SN2132 0738, BSBI Meeting, det. A.O.Chater, G.M.Kay & R.D.Pryce, 25th Jun 2015, one plant.
- +135/22.2. **Lactuca virosa** (Great Lettuce) (Letusen Chwerw). Disused railwayline, Morfa Bach, SN4420 0683, Barry Stewart, 12th Aug 2015, 20 plants: the first vc records outside those self-sown within NBGW.
- +135/25.05.39. **Taraxacum euryphyllum** (Wide-stalked Dandelion). Disturbed grassland, in shade, below site of draw-bridge, Carreg Cennen Castle, SN6681

1910, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 23rd May 2015, **Herb NMW**

- +135/25.05.44. **Taraxacum richardsianum** (Richards's Dandelion). In previously herbicided area inside N boundary wall, Horeb cemetery, NE of Llandeilo, SN6708 2800, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 4th Apr 2015, 3rd vc record, **Herb NMW**
- +135/25.07.58 **Taraxacum cambricum** (Welsh Dandelion). Centre of rough vegetated track, Horeb, Five Roads, Llanelli, SN4940 0564, R.D.Pryce, det. A.J. Richards, Dec.2015, 15th Apr 2015, **Herb NMW**; (+) on crest of Llyn Mawr dam in beech woodland, National Botanic Garden of Wales, Middleton, SN5259 1855, S.D.S.Bosanquet, B.Stewart & R.D.Pryce, det. A.J. Richards, Dec.2015, 29th Apr 2015, **Herb NMW**
- +135/25.07.72. **Taraxacum nordstedtii** (Nordstedt's Dandelion). Calcareous grassland verge of coastal foot path, Dolwen Point, SN2326 0784, B.Stewart & R.D.Pryce, det. A.J. Richards, Dec.2015, 10th Mar 2015, also recorded at Pendine MoD East 3 Range at SN 2948 0741 on 21/6/2015, **Herb NMW**; (+) south-facing neutral grassland roadside hedgebank north of entrance to Pencader Cemetery, SN4515 3594, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 9th Apr 2015, **Herb NMW**; (+) short, acid grassland verge on north side of gravel-surfaced forestry loading pad, Mynydd Pencarreg, SN5876 4259, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 4th May 2015, **Herb NMW**
- +135/25.07.80. **Taraxacum subbracteatum** (Dark-bracted Dandelion). In neutral grassland lawn, Gelli Aur mansion, SN5974 1980, Llanelli Naturalists field meeting, det. A.J. Richards, Dec.2015, 10th May 2015, **Herb NMW**; (+) rank, unmanaged ground, Edwinsford Mansion ruins, Talley, SN6316 3460, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 23rd Apr 2015, **Herb NMW**
- +135/25.08.101. **Taraxacum subhamatum** (Large Hook-lobed Dandelion). In rank occasionally mown neutral grassland near ice-house, National Botanic Garden of Wales, Middleton, SN5182 1807, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 2nd May 2015, also at NBGW at SN 5179 1810, **Herb NMW**; (+) at foot of shaly hedge bank, Manordeilo, SN6777 2632, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 4th Apr 2015, also on road verge near Maesllyn, Salem at 22/6158 2751 on 14/4/2015, **Herb NMW**; (+) disturbed silty grassland above right bank of Afon Cothi, Edwinsford, Talley, SN6324 3466, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 23rd Apr 2015, **Herb NMW**; (+) on acid semi-improved grassland road verge, Ty'n-y-grug, Esgairdawe, SN6131 4263, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 4th May 2015, **Herb NMW**
- +135/25.08.84. **Taraxacum atactum** (Narrow-bracted Dandelion). Semi-improved grassland verge, Ty'n-y-grug, Esgairdawe, SN6128 4260, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 4th May 2015, **Herb NMW**
- +135/25.08.85. **Taraxacum boekmanii** (Bokman's Dandelion). Roadside hedgebank, Pencader Cemetery, SN4516 3595, R.D.Pryce, det. A.J. Richards, Dec.2015, 9th Apr 2015, **Herb NMW**; (+) in acid grassland below veteran oak tree, National

- Botanic Garden of Wales, Middleton, SN5229 1783, R.D.Pryce, det. A.J. Richards, Dec.2015, 22nd May 2015, **Herb NMW**; (+) roadside verge, Banc Pen-gelli, north of Llansawel, SN6158 3829, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 4th May 2015, **Herb NMW**
- +135/25.08.87. **Taraxacum hamatifforme** (Asymmetrical Hook-lobed Dandelion). Roadside verge, Nr Coetir Bach, Maesybont, SN5655 1630, R.D.Pryce, det. A.J. Richards, Dec.2015, 7th May 2015, **Herb NMW**; (+) south facing roadside bank, c.100m ESE of Mynydd Figyn cross-roads, SN5973 3071, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 14th Apr 2015, **Herb NMW**; (+) trackside verge, South of Pen-y-rhiw, Cwm Crychan, SN8205 3901, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 18th Apr 2015, **Herb NMW**
- +135/25.08.88. **Taraxacum hamatulium** (Slender Hook-lobed Dandelion). Edge of tarmac drive, Station Road, Llangennech, SN5629 0152, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 31st Mar 2015, **Herb NMW**
- +135/25.08.90. **Taraxacum hamiferum** (Dark Hook-lobed Dandelion). Improved grassland by hedge, Green Castle Woods, Llangain, SN3921 1648, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 14th Mar 2015, **Herb NMW**; (+) south facing bank on NW side of crossroads, Mynydd Figyn cross-roads, SN5966 3074, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 14th Apr 2015, **Herb NMW**; (+) semi-improved grassland verge, Mynydd Pencarreg, SN5921 4203, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 4th May 2015, also NW of Pantyfyd Uchaf at SN 5977 4141, **Herb NMW**; (+) verge on NE side of road, Nr Maesllyn, Salem, SN6161 2748, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 14th Apr 2015, also SE of Tanylan, Salem at SN 6300 2537, **Herb NMW**; (+) neutral grassland verge, Edwinsford lay-by, Talley, SN6333 3460, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 23rd Apr 2015, **Herb NMW**; (+) semi-improved acid grassland bank on NE side of road, Pantycelyn, Esgairdawe, SN6221 4283, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 4th May 2015, **Herb NMW**
- +‡135/25.08.92. **Taraxacum lamprophyllum** (Lustrous-leaved Dandelion). West end of passing-bay on north side of road, West of Hurst House, Laugharne, SN2902 0857, B.Stewart & R.D.Pryce, det. A.J. Richards, Dec.2015, 3rd Mar 2015, **Herb NMW**; (+) verge on NE side of road, Nr Maesllyn, Salem, SN6159 2750, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 14th Apr 2015, **Herb NMW**; (+) acid roadside bank on S side of road, E of Pendrainllwyn, Cynghordy, SN7852 4073, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 12th Apr 2015, **Herb NMW**
- +135/25.08.94. **Taraxacum marklundii** (Marklund's Dandelion). Improved grassland near SW corner of basketball court, Machynys, E of Lidl store, SS5140 9859, R.D.Pryce, det. A.J. Richards, Dec.2015, 19th Mar 2015, **Herb NMW**; (+) in rank grassland verge on west side of road at edge of riparian woodland on left bank of Cothi south of Pontargothi, SN5061 2158, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 28th Mar 2015, also at 22/5061 2160, **Herb NMW**; (+) laneside bank, Manordeilo, SN6752 2653, R.D.Pryce & K.A.Pryce, det. A.J.

Richards, Dec.2015, 4th Apr 2015, also in Horeb cemetery, NE of Llandeilo, at SN 6708 2800, **Herb NMW**

- *‡135/25.08.96 **Taraxacum prionum** (Saw-leaved Dandelion). Disturbed weedy grassland on W. boundary of caravan site, adjacent to pavement, Pendine, SN2333 0799, B.Stewart & R.D.Pryce, det. A.J. Richards, Dec.2015, 10th Mar 2015, 1st vc record. Also in rank calcareous grassland verge of coastal foot path at Dolwen Point SN 2325 0783, **Herb NMW**. See photo on back cover.
- +‡135/25.08.97. **Taraxacum pruinautum** (Pruinose Dandelion). Verge on sunny N side of road, Horeb, Five Roads, Llanelli, SN4952 0561, R.D.Pryce, det. A.J. Richards, Dec.2015, 15th Apr 2015, 2nd vc record, **Herb NMW**; (+) semi-improved neutral grassland, National Botanic Garden of Wales, Middleton, SN5282 1777, R.D.Pryce, det. A.J. Richards, Dec.2015, 11th Jun 2015, 3rd vc record. **Herb NMW**
- +135/25.08.98. **Taraxacum pseudohamatum** (False Hook-lobed Dandelion). Roadside hedgebank on SW side of road, Allt Maes-troyddyn, nr. Pumsaint, SN6363 4107, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 4th May 2015, **Herb NMW**
- +135/25.08.99. **Taraxacum quadrans** (Fleshy-lobed Dandelion). East bank of Afon Dafen under large *Populus nigra* ssp. *betulifolia* tree, Glyncoed Yard, Halfway, Llanelli., SN5253 0045, R.D.Pryce, det. A.J. Richards, Dec.2015, 6th Jan 2015, **Herb NMW**; (+) rank grassland between slate beds and Bryn Cadw Pond, National Botanic Garden of Wales, Middleton, SN5220 1797, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 27th Mar 2015, also on south facing, Bluebell dominated bank at SN 51822 18080 recorded on 2/5/2015. **Herb NMW**; (+) verge at woodland edge on NE side of road, SE of Tanylan, Salem, SN6296 2541, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 14th Apr 2015, **Herb NMW**; (+) verge on west side of road, Banc Pen-gelli, N of Llansawel., SN6159 3826, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 4th May 2015, **Herb NMW**
- +135/25.08.sah. **Taraxacum sahlinianum** (Sahlin's Dandelion). Edge of tarmac drive, Woodlands, School Rd, Pwll, Llanelli, SN4770 0116, R.D.Pryce, det. A.J. Richards, Dec.2015, 5th Apr 2015, **Herb NMW**; (+) on lush verge on east side of road, Cilsan Bridge, SN5896 2132, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 10th May 2015, **Herb NMW**; (+) southern side of track in nettle bed., Cwm Crychan, SN8218 3899, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 18th Apr 2015, **Herb NMW**
- +‡135/25.09.102 **Taraxacum aberrans** (Apiculate-lobed Dandelion). Roadside verge, Nr Coetir Bach, Maesybont, SN5655 1629, R.D.Pryce, det. A.J. Richards, Dec.2015, 7th May 2015, 2nd post 2000 record and 5th vc record, **Herb NMW**
- +‡135/25.09.106. **Taraxacum aequilobum** (Twisted-bracted Dandelion). Disturbed field gateway, Edwinsford, Talley, SN6328 3469, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 23rd Apr 2015, **Herb NMW**
- +135/25.09.123. **Taraxacum croceiflorum** (Orange-flowered Dandelion). Rank unmanaged damp grassland, National Botanic Garden of Wales, Middleton,

- SN5185 1792, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 2nd May 2015, **Herb NMW**; (+) neutral grassland verge, Edwinsford lay-by, Talley, SN6334 3458, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 23rd Apr 2015, **Herb NMW**
- +135/25.09.131. **Taraxacum ekmanii** (Ekman's Dandelion). Half-way up steps up cliff to Dylan's shed, Dylan's Walk, Laugharne, SN3056 1098, B.Stewart & R.D.Pryce, det. A.J. Richards, Dec.2015, 5th May 2015, **Herb NMW**; (+) northern edge of arboretum, Gelli Aur, SN5978 1978, Llanelli Naturalists field meeting, det. A.J. Richards, Dec.2015, 10th May 2015, **Herb NMW**; (+) grass verge on east side of road south of bridge, Cilsan Bridge, SN5896 2133, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 10th May 2015, **Herb NMW**
- +‡135/25.09.146. **Taraxacum lacerifolium** (Jagged-leaved Dandelion). Growing on tree trunk on bank of Afon Gwynon tributary, Llyn Mawr, National Botanic Garden of Wales, Middleton, SN5252 1846, S.D.S.Bosanquet, B.Stewart & R.D.Pryce, det. A.J. Richards, Dec.2015, 29th Apr 2015, **Herb NMW**
- +‡135/25.09.149. **Taraxacum laeticolor** (Pale-stalked Dandelion). NVC MG5a neutral grassland, North Trawscoed Meadow, National Botanic Garden of Wales, Middleton, SN5236 1846, S.D.S.Bosanquet, B.Stewart & R.D.Pryce, det. A.J. Richards, Dec.2015, 29th Apr 2015, **Herb NMW**
- +135/25.09.150. **Taraxacum laticordatum** (Decumbent Dandelion). Neutral grassland at woodland edge, N side of track to Salthouse Farm., SN2918 0952, B.Stewart & R.D.Pryce, det. A.J. Richards, Dec.2015, 9th Feb 2015, **Herb NMW**; (+) disturbed ground on NE bank of pond, Former Cynheidre Colliery tips, SN4909 0825, Llanelli Naturalists field meeting, det. A.J. Richards, Dec.2015, 26th Apr 2015, **Herb NMW**
- *135/25.09.158. **Taraxacum longisquameum** (Elongate-bracted Dandelion). Verge on NW side of road, S of Cors-y-dre, Llannon, SN5635 0932, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 25th Apr 2015, 1st vc record, **Herb NMW**; (+) semi-improved acid grassland bank on NE side of road, Pantycelyn, Esgairdawe, SN6227 4278, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 4th May 2015, 2nd vc record. **Herb NMW**
- +‡135/25.09.179. **Taraxacum pallidipes** (Grey-bracted Dandelion). South-facing neutral grassland roadside hedgebank north of cemetery entrance, Pencader Cemetery, SN4515 3594, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 9th Apr 2015, 3rd vc record. **Herb NMW**
- +‡135/25.09.182. **Taraxacum pannulatum** (Brown-ribbed Dandelion). Neutral grassland verge on south-east side of road, NE of Llangathen, SN5895 2241, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 10th May 2015, 2nd vc record, 1st vc record since 1988. **Herb NMW**
- *‡135/25.09.189. **Taraxacum pseudoretroflexum** (Spur-lobed Dandelion). Bark-mulch surfaced garden path, Trevethin, School Rd, Pwll, Llanelli, SN4770 0120, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 11th May 2015, 1st vc record, **Herb NMW**

- +135/25.09.197. **Taraxacum sellandi** (Selland's Dandelion). Improved pasture, NW of Pantyfyd Uchaf, nr. Esgairdawe, SN5980 4139, R.D.Pryce & K.A.Pryce, det. A.J. Richards, Dec.2015, 4th May 2015, **Herb NMW**
- +135/25.09.199. **Taraxacum sinuatum** (Sinuate-lobed Dandelion). In gravelly substrate at base of maritime cliff just above top saltmarsh, Dylan's Walk, Laugharne, SN3040 1086, B.Stewart & R.D.Pryce, det. A.J. Richards, Dec.2015, 5th May 2015, **Herb NMW**
- *135/28.07.61. **Hieracium triviale** (Grey-headed Hawkweed). Top of stone wall, Glynhir Mill, SN6426 1581, BSBI Meeting, det. D.J. Mccosh 20012016, 16th Jul 2010, two plants, **Herb NMW**
- +135/30.4. **Filago minima** (Small Cudweed) (Edafeddog Fach). Gravel surfaced hardstanding, Nr. Brynffo, Crychan Forest, SN8488 4095, R.D.Pryce & K.A.Pryce, 9th Jul 2015, .
- +‡135/43.4. **Erigeron karvinskianus** (Mexican Fleabane) (Amrhydlwyd y Cerrig). Llandovery, SN7674 3457, R.N.Stringer & I.K.Morgan, 22nd Oct 2015, .
- +‡135/44.2. **Conyza sumatrensis** (Guernsey Fleabane) (Amrhydlwyd Guernsey). Bare gravelly ground., National Botanic Garden of Wales, Middleton, SN5191 1824, R.D.Pryce, 20th May 2015, rock face behind science block.
- +†135/56.1. **Glebionis segetum** (Corn Marigold) (Melyn yr ŷd). Field margin, Wenallt, nr. Llanddeusant, SN7636 2345, Jo Parmenter, 20th Sep 2015.
- +‡135/62.18. **Senecio viscosus** (Sticky Groundsel) (Creulys Ludiog). Gravel surfaced hardstanding, Brynffo car-park, Crychan Forest, SN8488 4091, R.D.Pryce & K.A.Pryce, 9th Jul 2015, occasional plants.
- +141/1.1. **Triglochin palustre** (Marsh Arrowgrass) (Saethbennig y Gors). By trackway, Pant-coy - Pen-twyn, Cwrt-y-cadno monad, SN69- 43-, Chris Cheffings & Guy Moss, 24th Jun 2015.
- +‡147/5.2. **Arum italicum** (Italian Lords-and-Ladies) (Pidyn-y-gog Eidalaid). Roadside verge and hedgebank, Pont-y-Fenni, SN2344 1706, R.N.Stringer, 17th Mar 2015, garden escape: six colonies.
- +148/2.3. **Lemna trisulca** (Ivy-leaved Duckweed) (Llinad Dail Eiddew). In deep water near east bank of Llyn Canol, National Botanic Garden of Wales, Middleton, SN5249 1801, NBGW Volunteer Conservation Group, det. R.D.Pryce, 11th Aug 2015, one small patch c.0.5m across.
- +‡151/1.02. **Juncus tenuis** (Slender Rush) (Brwynen Fain). Coast-path through woodland, East of Marros Mill, SN2098 0758, BSBI Meeting, det. R.D.Pryce, 25th Jun 2015.
- +151/1.06. **Juncus foliosus** (Leafy Rush) (Brwynen Ddeiliog). Disturbed dune sand recently cleared of scrub and strewn with shredded wood chips up to 0.5m deep, Pendine MoD East 3 Range, SN2948 0740, BSBI Meeting, det. A.O.Chater, G.M.Kay & M.O.Stead, 21st Jun 2015, several plants.
- +151/1.08. **Juncus ambiguus** (Frog Rush) (Brwynen y Broga). Disturbed dune sand recently cleared of scrub and strewn with shredded wood chips up to 0.5m deep, Pendine MoD East 3 Range, SN2948 0740, BSBI Meeting, det. A.O.Chater, G.M.Kay & M.O.Stead, 21st Jun 2015, quite frequent over an area of c.5sq.m.

- +151/2.3. **Luzula sylvatica** (Great Wood-rush) (Coedfrwynen Fawr). Bank of Afon Crychan, Cwm Crychan below Banc Cefingarreg, SN8262 3907, R.D.Pryce & K.A.Pryce, 18th Apr 2015, one small clump in flower by ford. First record for vc44 part of SN83 hectad.
- +152/16.08.b. **Carex muricata subsp. pairae** (Small-fruited Prickly-sedge). Rank Tall-herb, scrubby area, National Botanic Garden of Wales, Middleton, SN5217 1854, R.D. & K.A.Pryce, M.Godfrey & J.Fode, det. R.D.Pryce, 21st Jul 2015.
- +152/16.27. **Carex pseudocyperus** (Cyperus Sedge) (Hesgen Gynffonnog). Dryish Phragmites dominated fen., Pendine MoD East 4 Range, SN3060 0715, BSBI Meeting, 21st Jun 2015, one plant only; (+) disused settlement lagoon, National Botanic Garden of Wales, Middleton, SN5206 1788, R.D.& K.A.Pryce and S.& A.Coker, det. R.D.Pryce & K.A.Pryce, 11th Aug 2015, six plants in northern of three lagoons.
- +152/16.32. **Carex sylvatica** (Wood-sedge) (Hesgen y Coed). Edge of small *Salix fragilis* woodland, South of Trostre Pond, Llanelli, SS5250 9963, R.D.Pryce, 3rd Jul 2015, first record for vc44 part of SS59 hectad.
- +152/16.46.c. **Carex oederi** (Small-fruited Yellow-sedge). Edge of conservation scrape in rush pasture field, Pen-y-graig Goch, Llanddeusant, SN7431 2249, BSBI Meeting, det. Ruth Watkins, 10/6/2015, conf. A.O.Chater, A.Copping and G.M.Kay, 26th Jun 2015, **Herb NMW**
- +153/12.01. **Schedonorus pratensis** (Meadow Fescue) (Peiswellt). Hedgebank, Pantcoy - Pen-twyn, Cwrt-y-cadno, SN69- 43-, Chris Cheffings & Guy Moss, 24th Jun 2015.
- +153/12.03. **Schedonorus giganteus** (Giant Fescue) (Peiswellt Mawr). Pantmawr, SE of New Inn, SN4797 3653, G.M.Kay, B.J.& D.J. Wright & K.A.Pryce, 23rd Jun 2015.
- +‡153/50.4×5. **Bromus ×pseudothominei** (Lesser Soft-brome) (Pawrwellt Min y Ffordd). Disturbed dune sand recently cleared of scrub and strewn with shredded wood chips up to 0.5m deep, Pendine MoD Ranges, SN2950 0739, BSBI Meeting, det. A.Copping, 21st Jun 2015, 3rd post 2000 VC record, **Herb NMW**
- +153/51.3. **Bromopsis erecta** (Upright Brome) (Pawrwellt Talsyth). Dune grassland, Pendine MoD Ranges, SN2945 0735, BSBI Meeting, det. A.Copping, 21st Jun 2015, locally frequent, 3rd post 2000 VC record, **Herb NMW**
- +‡153/52.3. **Anisantha sterilis** (Barren Brome) (Pawrwellt Hysb). New Inn tetrad, SN43t, G.M.Kay, B.J.& D.J. Wright & K.A.Pryce, 23rd Jun 2015.
- +153/55.1. **Elymus caninus** (Bearded Couch) (Marchwellt y Coed). Disturbed dune sand recently cleared of scrub and strewn with shredded wood chips up to 0.5m deep, Pendine Ranges TN1523, SN2948 0740, BSBI Meeting, det. A.O.Chater, G.M.Kay, A.Copping, 21st Jun 2015, first post 2000 record for SN20 hectad.
- +‡158/23.4. **Muscari comosum** (Tassel Hyacinth) (Clychau Dulas Tuswog). Dry dune grassland, slightly easterly sloping, Pendine MoD East 4 Range, SN3042 0738, BSBI Meeting, det. R.D.Pryce, 21st Jun 2015, about 10 flowering spikes with many other blind plants over area c.20m x 10m. See photo on inside back cover.

- +159/05.03. **Iris pseudacorus** (Yellow Iris) (Gellesgen). River bank, Tir-hen, Brynamman, SN7292 1392, R.D.Pryce, 5th Mar 2015, one clump on N bank of River Amman. First record for vc44 part of SN71 hectad.
- +162/18.1×4. **Dactylorhiza ×grandis**. Semi-improved hay meadow, Nant-y-Gareg, nr. Cwmpencraig, SN3661 3653, West Wales Biological Information Centre recording meeting, det. R.P.C.Shaw, R.D.& K.A.Pryce,, 7th Jul 2015, three plants.
- +162/18.3.a. **Dactylorhiza incarnata subsp. incarnata** (a subspecies of Early Marsh-orchid). Hay meadow, National Botanic Garden of Wales, Middleton, SN5241 1859, R.D.& K.A.Pryce and B.J.& D.J.Wright,, det. R.D.Pryce & K.A.Pryce, 29th Jun 2015, several plants in North Trawscoed hay meadow; (+) fen Meadow, Pen-y-graig Goch, Llanddeusant, SN7432 2260, BSBI Meeting, 26th Jun 2015, at least one plant.
- +162/18.4. **Dactylorhiza praetermissa** (Southern Marsh-orchid) (Tegeirian-y-gors Deheuol). Semi-improved hay meadow, Y Ddol, nr. Llanboidy, SN227 234, Tessa Archdale, 23rd Jun 2015.
- +162/20.3. **Anacamptis morio** (Green-winged Orchid) (Tegeirian y Waun). Grassland bank, Cross Hands Retail Park, SN5681 1280, S.D.S.Bosanquet, 29th Apr 2015, one plant at north corner of Leekes building; recorded on 29th April 2015 but all verges and banks had been mown by 1st May. The same plant as was seen in 2014.

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

- +c1-1-vul **Chara vulgaris var. longibracteata**. Blaencilcoed Quarry, Ludchuch, SN15337 10592, R.D. Pryce, det. N.F. Stewart, 26th Sep 2014, limestone-slurry filled run-off intersection ditch along foot of west quarry face with some standing water.
- +c1-1-vul **Chara vulgaris var. papillata**. Blaencilcoed Quarry, Ludchuch, SN15894 10325, R.D. Pryce, det. N.F. Stewart, 29th Sep 2014, settlement pond. Locally abundant in eutrophic lagoon with much blanket weed and marginal *Juncus articulatus*.
- +c1-1-vul **Chara vulgaris** (Common Stonewort). Blaencilcoed Quarry, Ludchuch, SN1582- 1063-, R.D. Pryce, det. N.F. Stewart, 26th Sep 2014, shallow standing water with muddy aprons on quarry floor.
- +‡024/1.1 **Laurus nobilis** (Bay) (Llawrwydden). Glandy, Garn Wen, Dinas Cross, SM99981 37970, Stephen Evans & John Hughes, 2nd Nov 2015, a single fertile bush on the edge of the heathland, east of Garn Wen. This self sown *Laurus nobilis* had almost certainly originated from bay trees that grew in the 1950's on the edge of Bank House garden about 50m away to the east.
- +028/13.04. **Ranunculus sardous** (Hairy Buttercup) (Blodyn-y-menyn Blewog). North side of West Angle Bay, Angle, SM85106 03603, Clive Hurford, 20th Jun 2015, *Ranunculus sardous* was first noted flowering well on this date and continued to

- flower until 14th July when the area was turf stripped. There were at least 5 plants on the coast path.
- +031/5.03. **Fumaria bastardii** (Tall Ramping-fumitory) (Mwg-y-ddaeear Grymus). Between St. Bride's Castle and Marloes, SM7970- 1033-, Jane Warr, 14th Jun 2015, all along the edge of a potato crop in the first field by the top path between St. Bride's Castle and Marloes; (+) Rear garden hedegbank of Beach Cottage, Abereiddy, SM79783 31305, Stephen Evans & Ann E. Evans, 14th Jun 2015, on the Ammophila arenaria, sand topped black Ordovician slate hedegbank around the rear garden of Beach Cottage.
- +031/5.03. **Fumaria bastardii var. bastardii** (Tall Ramping-fumitory) (Mwg-y-ddaeear Grymus). Church Car Park, Dale, SM8057- 0580-, Jane Warr, 29th Aug 2015, gravel in car park. Also found on edge of arable fields at St. Ishmaels at SM820 069, 823 074, 823 072 and 847 066 in Aug 2015.
- +031/5.03. **Fumaria bastardii** (Tall Ramping-fumitory) (Mwg-y-ddaeear Grymus). Reservoir Woods, St. Bride's, SM8001- 1025-, Jane Warr, 15th May 2015, cornfield alongside reservoir woods. It was also found in a cleared and uncultivated garden at Talbenny Cross SM839 119 and in roadside hedges and banks elsewhere in Talbenny at SM842 117 and 844 114; (+) Abercastle, SM852 337, Jane Warr, 10th Sep 2015, in the corner of a corn field; (+) Field gateway NE of Gilfach, Moylegrove, SN1302- 4596-, Stephen Evans, 27th Jul 2015, growing with other arable weeds in a wide gateway into a field of barley. The gateway had been recently greatly widened by removing the end of the hedegbank. This had brought seeds to the surface.
- +‡036/3.1. **Soleirolia soleirolii** (Mind-your-own-business) (Mam Miloedd). Cosheston Churchyard, SN0006- 0365-, Stephen Evan & Ann E. Evans, 10th Sep 2015.
- +043/4.1.rub. **Atriplex hortensis var rubra**. Vegetable garden, Swn Y Don, Dinas Cross, SN0232- 3887-, Patricia Curtis, det. Anne Adam, , Aug 2015, A single plant in a vegetable garden was identified by RHS Wisley with the comment that 'This plant is a robust annual native to western Asia and the red-leaved form is sometimes grown for foliage effect. It breeds fairly true to colour when grown from seed.
- +‡047/1.07.© **Persicaria amplexicaulis** (Red Bistort) (Y Ganwraidd Goch). Point Lane, Cosheston, SM9987- 0375-, Stephen Evans, 10th Sep 2015, Persicaria amplexicaulis had escaped from a garden onto the verge. There was also another stand in the hedegbank at Point Lane. It had first been found as a naturalised plant at Cosheston, but in a different hectad, by Hume Gravell at SN0076-0446 in Jul; (+) Near Rose Villa, road to Jenkin's Point, Cosheston, SN0076- 0446-, Hume Gravell, 19th Jul 2015, growing on the NW side of a minor road at the back of a wide grassy verge where it merges with a tree clothed hedge-bank.
- +051/1.08. **Hypericum undulatum** (Wavy St John's-wort) (Eurinllys Tonnog). Penlan, Cwm Gwuan, SN04834 36361, Matt Sutton, Sep 2015, a single plant in rushes on the boundary of the site. Another was found at SN04928 36087.

- +057/1.01.a **Viola odorata var. dumetorum**. East side of road, near the old Rushmoor Cottage, Martletwy, SN0220- 1062-, Annie Haycock, 13th Apr 2015, known at this location since at least 1990. Several clumps with pale-coloured flowers along about 10m of the eastern road verge. Another two plants were found at SN0216 1086 on a hedgebank near old mill ruins on 5th May 2015 by R.J. Haycock.
- +057/1.12.b. **Viola tricolor subsp. curtisii**. Reverting dunes behind car park, Gupton Farm, Freshwater West, SR8864- 9953-, Robert Shaw, 18th Jul 2015, abundant in the reverting former arable land on sand.
- +072/2.1.‡ **Ribes rubrum** (Red Currant) (Llwyn Cwrens Coch). Nine Wells, Solva, SM78- 24-, Jane Hodges, 27th Apr 2015.
- +074/05.19. **Saxifraga tridactylites** (Rue-leaved Saxifrage) (Tormaen Tribys). Nevern Church Tower, Nevern, SN0831- 4003-, Stephen Evans & Ann E. Evans, 13th May 2015, on the south facing elevation of the church tower.
- +‡074/08.1. **Tellima grandiflora** (Fringecups) (Clychau'r Clawdd). Llechrhyd Gorge, Cilgerran, SN2061- 4297-, Howard Williams, 6th May 2015, located in the middle of Llechrhyd Gorge to the west of the flight of stone steps.
- +‡077/15.09. **Lathyrus latifolius** (Broad-leaved Everlasting-pea) (Ytbysen Fythol Lydanddail). A40 south of Tresior, Sceddau, Fishguard, SM9436- 3531-, Stephen Evans, 30th Aug 2015, flowering by the relatively new path and new hedgebank on the east side of the road.
- +‡084/1.12 **Epilobium brunnescens** (New Zealand Willowherb) (Helyglys Seland Newydd). Track to Jordanston Mountain, Redberth, SN08870 03642, Matt Sutton, 15th Dec 2015, a single plant on the track surfaced with limestone chippings last winter.
- +†091/2.09. **Euphorbia lathyris** (Caper Spurge) (Llaethlys Caprys). Glynymel Road, Lower Town, Fishguard, SM9647- 3697-, Stephen Evans & Ann E. Evans, 6th Oct 2015, two large fruiting plants on the upper edge of a retaining wall.
- +‡103/1.02. **Geranium versicolor** (Pencilled Crane's-bill) (Pig-yr-aran Resog). Brownslade Burrows, Castlemartin, SR89321 97949, Stephen Evans, 8th Apr 2015, top of very high dune ridge adjacent to a disturbed area of an old sand quarry.
- +103/1.15. **Geranium pusillum** (Small-flowered Crane's-bill) (Pig-yr-aran Fân-flodeuog). Flush in field, Newgale Marsh, Newgale, SM85169 22649, Matt Sutton, 15th Sep 2015, one plant was found amongst Galium verum on a yellow meadow ant mound within the flush.
- +107/43.3. **Torilis nodosa** (Knotted Hedge-parsley) (Troed-y-cyw Clymog). Disused Airfield at Dale, SM79473 06936, Jane Warr, 1st Jul 2015, abundant from this NGR northwards on the old airfield. The plants were on the grassy verge of the runway but also extending out on the short grass over the runway cracks and were often growing near Chamaemelum nobile.
- +110/2.1. **Lycium barbarum** (Duke of Argyll's Teaplant) (Ysbeinwydden Hardd). Ruins of Lake, Linney Burrows, Castlemartin, SR8926- 9759-, Stephen Evans, 8th

Apr 2015, two small stands in the dunes alongside the ruined walls of the old cottage called Lake.

- ✠+⊕‡118/24.1. **Rosmarinus officinalis** (Rosemary) (Rhosmari). Front wall of Old School, Lower St.Mary's Street, Newport, SN05841 39218, Stephen Evans & Ann E. Evans, 23rd Jul 2015, 4 small plants had self-sown into the mortar of the front wall of the old Eco Centre garden. The likely parent was close-by. Another tiny plant was found growing in a low corner wall in Upper St.Mary's Street at SN05794 38988 again with the parent bush nearby.
- +‡124/13.3. **Linaria purpurea** (Purple Toadflax) (Llin-y-llyffant Porffor). West of West Farmhouse, Point Lane, Cosheton, SN0005- 0370-, Stephen Evans & Ann E. Evans, 10th Sep 2015, growing with *Clinopodium ascendens* at the toe of a rocky bank.
- +129/1.15. **Campanula rotundifolia** (Harebell) (Clychau'r Eos). N. side of minor tarred road W. of Blaen Dyfnant, Llanfyrnach, SN2332- 2949-, Stephen Evans & Ann E. Evans, 18th Sep 2015, two patches growing mid-way to high-up on the bank at the base of the woody crest.
- +‡131/5.1. **Leycesteria formosa** (Himalayan Honeysuckle) (Bachgen Llwm). Cosheton Churchyard, SN0006- 0365-, Stephen Evans & Ann E. Evans, 10th Sep 2015.
- +133/1.1. **Valerianella locusta** (Common Cornsalad) (Gwylaeth yr Oen). Nevern Church Tower, Nevern, SN0831- 4003-, Stephen Evans & Ann E. Evans, 13th May 2015, on the south facing elevation of the church tower.
- +‡133/3.1. **Centranthus ruber** (Red Valerian) (Triaglog Goch). Brownslade Burrows, Castlemartin, SR89321 97949, Stephen Evans, 8th Apr 2015, top of very high dune ridge adjacent to a disturbed area of an old sand quarry.
- +‡135/48.1. **Tanacetum parthenium** (Feverfew) (Y Wermod Wen). Robeston Wathen, SN0844- 1584-, Stephen Evans & Ann E. Evans, 8th Oct 2015, found with a few other disturbed ground species at the start of the old path/track down into Limekiln Wood.
- +151/1.06. **Juncus foliosus** (Leafy Rush) (Brwynen Ddeiliog). Minerton, Wyndrush Pastures, SN09166 03478, Matt Sutton, 13th Dec 2015, two plants in the *Minerton Ranunculus tripartitus* flush.
- +152/16.46.a. **Carex lepidocarpa** (Long-stalked Yellow-sedge). Cwm Blaenbwlan, Bwychygroes, SN22603 37450, Matt Sutton, det. Arthur O. Chater, 13th Sep 2015, about 6 plants.
- +153/18.09.‡ **Poa compressa** (Flattened Meadow-grass) (Gweunwellt Cywasgedig). The Hoary Rocks, Broomhill Burrows, Rhoscrowther, SM89077 00452, Stephen Evans, 21st May 2015, growing on a large rock outcrop of Old Red Sandstone conglomerate within a dune system; (+) South verge of A477, Llanteg, SN1868-1043-, Geoff Toone, 26th Nov 2015, growing on gravel.
- +‡153/52.5. **Anisantha madritensis** (Compact Brome) (Pawrwellt Cryno). Hook, SM978 110, Michael Usher, 14th Jun 2015, growing beside the pavement near the cricket club.

- +‡153/70.pum.© **Setaria pumila** (Yellow Bristle-grass) (Cibogwellt Melyn).
Roadside by Church, Redberth, SN08250 04171, Matt Sutton, det. Arthur O.
Chater, 8th Oct 2015,

CARDIGAN, v.c.46 (comm. S.P. Chambers)

- +‡020/2.1. **Pseudotsuga menziesii** (Douglas Fir) (Ffyndwydden Douglas). Shelter
strip by sheep field, c.300m W of Craig Clogan, Cwm Berwyn, SN720 583, S.P.
Chambers, 23rd May 2015, planted small trees.
- 028/02.1. **Trollius europaeus** (Globeflower) (Cronnell). Flushed slope in streamside
woodland, Afon Berwyn, Upper Cwm Berwyn, SN727 579, S.P. Chambers, 30th
May 2015, one plant, in new locality c. 300m downstream from historic site.
- 028/13.07. **Ranunculus parviflorus** (Small-flowered Buttercup) (Blodyn-ymenyn
Mân-flodeuog). Around rabbit warren on coastal slope, Cwm Cilfforch, SN440
617, A.O. Chater, 25th May 2015, new tetrad for this VC-rare sp.
- 028/13.17.a.alb **Ficaria verna subsp. fertilis var. albiflora**. Garden, Windover',
Penyrangor, Aberyswyth, SN581 808, A.O. Chater, 24th Apr 2015, spontaneous.
2nd record of the white-flowered var. in the VC.
- +030/4.1. **Glaucium flavum** (Yellow Horned-poppy) (Pabi Corniog Melyn).
Wasteground, by Uppingham Playing Fields, Borth, SN689 890, S.P. Chambers,
4th Jul 2015, one plant.
- +†043/1.13. **Chenopodium ficifolium** (Fig-leaved Goosefoot) (Troed-yr-wydd Dail
Ffigys). Road verge, Pont Dyffryn, 250m SSW of Pontsaeson, SN542 629, A.O.
Chater, 3rd Jul 2015.
- +047/1.09. **Persicaria amphibia** (Amphibious Bistort) (Canwraidd y Dŵr). Damp
pasture, Rhos Llawr-cwrt, SN408 500, A.O. Chater, 30th May 2014; (+) riverbank,
Newbridge, SN506 590, A.O. Chater, 14th Jun 2014.
- +047/8.13×19. **Rumex ×pratensis** (Meadow Dock). Hayfield, Plas-y-Berllan, SN279
503, A.O. Chater et al WWBIC Ceredigion Recording meeting, det. A.O. Chater,
30th Jul 2015.
- +057/1.12.a. **Viola tricolor subsp. tricolor**. River shingle, Afon Aeron, c.300m NW
of Capel Betws Lleucu, SN603 584, S.P. Chambers, 19th Sep 2015, one plant, with
deep purple flowers transitional to lilac-blue centrally. Seemingly the 1st VC
record from a river shingle habitat.
- +‡058/1.1. **Tamarix gallica** (Tamarisk) (Grugbren). Disturbed sandy slope at edge of
dunes, Penyregyd, SN162 486, P.R. Green, M.D. Sutton & S.P. Chambers, det.
Green, Sutton & Chambers, 19th Apr 2015, small bush.
- +061/2.05. **Salix purpurea** (Purple Willow) (Helygen Gochlas). Scrubby woodland
edge, Glanrafon Sewage Treatment Works, SN606 801, S.P. Chambers, 14th Jun
2015, planted bush.
- +†062/01.7. **Sisymbrium officinale** (Hedge Mustard) (Roced y Berth). Road verge,
Felin Gernos, SN366 441, A.O. Chater, 4th Jun 2015.

- 062/11.1. **Barbarea vulgaris** (Winter-cress) (Berwr-y-gaeaf). On shingly river edge, Afon Aeron, c.400m N of Capel Betws Lleucu, SN606 586, S.P. Chambers, 19th Sep 2015, two plants. 1st post-1987 hectad record & a rare plant in the VC.
- +‡062/17.1. **Lunaria annua** (Honesty) (Swllt Dyn Tlawd). Broken ground by derelict building, S side of the A485, c.250m W of Castell Flemish, SN652 634, S.P. Chambers, 17th Apr 2015.
- +‡062/38.1. **Hirschfeldia incana** (Hoary Mustard) (Mwstard Llwyd). Disturbed streamside, Afon Mydr, 200m ENE of Neuadd-lwyd-isaf, SN478 590, M. D. Sutton, det. M.D. Sutton, 14th Sep 2015.
- +062/41.1. **Crambe maritima** (Sea-kale) (Ysgedd Arfor). Shingle-filled bed, Borth, SN607 889, H.F. Clow & S.P. Chambers, det. S.P. Chambers, 5th Jul 2015, one plant, first seen 13 July 2014. 2nd VC record.
- +‡074/08.1. **Tellima grandiflora** (Fringecups) (Clychau'r Clawdd). Roadside hedgebank, Pontgarreg, SN332 537, A.O. Chater, 23rd May 2015.
- +075/08.0.07. **Rubus idaeus** (Llwyn Mafon). Scrub by footpath, W of Parcllyn, SN239 514, A.O. Chater, 8th Jun 2015.
- +075/09.14×15. **Potentilla ×mixta** (Hybrid Cinquefoil) (Pumnaalen Groesryw). Forestry track edge, Cwm Berwyn Plantation, SN739 577, S.P. Chambers, 19th Jun 2015, two plants, new VC altitude limit (410m); (+) laneside bank, Cefn-coch, S of Glasbwill, Llyfnant, SN741 962, J.P. Woodman & A.O. Chater, det. J.P. Woodman & A.O. Chater, 25th Oct 2015.
- +‡075/13.3. **Geum macrophyllum** (Large-leaved Avens) (Mapgoll Fawr)). On road verge, Allt-glas, Clarach, SN593 836, A.O. Chater, 27th Jul 2015, several plants.
- +‡075/21.05.06. **Rosa rugosa** (Japanese Rose) (Rhosyn Japan). Rough verge on road junction, N side of the A485 opposite Castell Flemish, c.1km E of Tyncelyn, SN653 633, S.P. Chambers, 17th Apr 2015, two planted bushes, one large, one small.
- +075/21.19. **Rosa micrantha** (Small-flowered Sweet-briar) (Drysiën Bêr Fân-flodeuog). Roadside hedge, Capel Betws Lleucu, SN606 583, S.P. Chambers, 6th Sep 2015, one bush.
- +‡075/22.03. **Prunus cerasifera** (Cherry Plum) (Coeden Goeg-geirios). Woodland, SW of Heron Hide, Teifi Marshes Nature Reserve, SN181 450, BSBI field meeting, det. BSBI field group, 18th Apr 2015, several small bushes alongside path.
- 075/22.11.‡ **Prunus padus** (Bird Cherry) (Coeden Geirios yr Adar). Sopping wet slope in ravine woodland, Afon Berwyn, Upper Cwm Berwyn, SN729 579, S.P. Chambers, 7th Jun 2015, single very branched, twiggy small tree. Undoubtedly native and likely Salter's 'Nant Berwyn' locality, **NMW**
- +‡075/22.12. **Prunus serotina** (Rum Cherry) (Coeden Geirios Rým). Oak woodland, Capel Betws Lleucu, SN608 581, S.P. Chambers, 6th Sep 2015, cluster of c. 6 stems from one self-sown small tree.
- +‡075/26.3. **Pyrus communis** (Pear) (Coeden Ellyg). In strip of riparian woodland, NW bank of the Afon Aeron below Cilrhyg, SN610 591, S.P. Chambers, 19th Sep 2015, two old trees.

- †077/14.02.pul. **Vicia cracca var. pulchra**. In sown 'wildflower bed' on pavement verge, Boulevard St Brieuic, Aberystwyth, SN587 811, S.P. Chambers, 18th Aug 2015, dominant component of 'wildflower' seed mix.
- +077/19.11. **Trifolium campestre** (Hop Trefoil) (Meillionen Hopysaidd). Road verge, 1.2km W of Nantstalwyn, SN794 574, A.O. Chater, 12th Sep 2014.
- +077/19.13. **Trifolium micranthum** (Slender Trefoil) (Meillionen Hopysaidd Eiddil). Stony soil on recently stripped ground, Lampeter, SN576 484, M. D. Sutton, det. M.D. Sutton, 1st Oct 2015, very rare inland in the VC.
- +‡079/2.2. **Myriophyllum aquaticum** (Parrot's-feather) (Pluen Parot). Muddy field pond, Plas-y-Berllan, SN278 501, A.O. Chater et al WWBIC Ceredigion Recording meeting, det. A.O. Chater, 30th Jul 2015, planted.
- +081/1.3. **Lythrum portula** (Water-purslane) (Troed y Gywen). Shallow floodle on forestry track, Esgair Fawr above Cwm Berwyn, SN738 586, S.P. Chambers, 15th May 2015, new VC altitude limit (470m).
- +‡084/1.12 **Epilobium brunnescens** (New Zealand Willowherb) (Helyglys Seland Newydd). Flushed drift terrace, above upper arm of the Claerwen Reservoir, SN824 668, S.P. Chambers, 8th Aug 2015, 1st hectad record at least for the VC46 part.
- 090/1.1. ‡ **Buxus sempervirens** (Box) (Pren Bocs). Alongside path, Llandre Churchyard, SN622 869, J.P. Woodman & A.O. Chater, det. J.P. Woodman & A.O. Chater, 20th Feb 2015, many self-sown saplings. First definite self-sown occurrence in Cards.
- +‡103/1.01. **Geranium endressii** (French Crane's-bill) (Pig-yr-aran Ffrainc). Disturbed trackway entrance, Capel Betws Lleucu, SN606 583, S.P. Chambers, 6th Sep 2015.
- +103/1.18. **Geranium lucidum** (Shining Crane's-bill) (Pig-yr-aran Loywddail). Edge of grass path, Blaenpennal Chapel graveyard, SN632 642, S.P. Chambers, 17th Feb 2015.
- +116/15.09. **Myosotis ramosissima** (Early Forget-me-not) (Sgorpionllys Cynnar). Dry S-facing slope above sea, Foel y Mwnt, SN193 520, A.O. Chater, 5th Jun 2014.
- +‡122/1.2. **Buddleja davidii** (Butterfly-bush) (Y Gynffon Las). Rough verge on road junction, N side of the A485 opposite Castell Flemish, c.1km E of Tyncelyn, SN653 633, S.P. Chambers, 17th Apr 2015.
- +124/13.1. **Linaria vulgaris** (Common Toadflax) (Llin-y-llyffant). Road verge, 1.2km W of Nantstalwyn, SN794 574, A.O. Chater, 12th Sep 2014.
- +124/16.06. **Veronica officinalis** (Heath Speedwell) (Rhwyddlwyn Meddygol). Upland dry acid grassland, N of Hengae, SN821 682, S.P. Chambers, 18th Jul 2015, 1st hectad record at least for the VC46 part.
- +‡129/1.10. **Campanula poscharskyana** (Trailing Bellflower) (Clychlys Ymlusgol). Stonework of bridge, Pont Llanfair, Llanfair Clydogau, SN622 514, S.P. Chambers, 23rd Oct 2015.

- +‡129/1.4. **Campanula persicifolia** (Peach-leaved Bellflower) (Clychlys Meinddail). Base of wall on pavement, Portland Road, Aberystwyth, SN585 818, S.P. Chambers, 21st Jul 2014, one self-sown tuft, lilac-flowered.
- *‡130/4.1. **Phuopsis stylosa** (Caucasian Crosswort) (Croeslys y Cawcasws). On grassy verge of minor road by dumped concrete, Cilcert, Ffos-y-ffin, SN440 614, A.O. Chater, 25th May 2015, established.
- +‡131/5.1. **Leycesteria formosa** (Himalayan Honeysuckle) (Bachgen Llwm). Beside wetland in field, Plas-y-Berllan, SN279 502, A.O. Chater et al WWBIC Ceredigion Recording meeting, det. A.O. Chater, 30th Jul 2015, planted, but self-sown elsewhere on walls.
- +‡135/01.3.© **Echinops bannaticus** (Blue Globe-thistle) (Ysgallen Bengron Las). On rough verge by field gateway, E side of the B4572 above Upper Borth, SN604 877, S.P. Chambers, 22nd Aug 2015, 2nd VC record. c.6 flowering stems.
- +‡135/11.2. **Centaurea montana** (Perennial Cornflower) (Y Benlas Luosflywydd). Laneside hedgebank, Newbridge, SN506 592, A.O. Chater, 14th Jun 2014.
- +‡135/27.6.b. **Pilosella aurantiaca subsp. carpathicola**. Dry edge of forestry track, Cwm Berwyn Plantation, SN739 577, S.P. Chambers, 19th Jun 2015, probably from dumped garden waste.
- +135/28.04.24. **Hieracium scabrisetum** (Scabrous Hawkweed). On sloping SSW-facing side of river boulder, Afon Claerwen, NE of Esgair Hengae, SN823 689, S.P. Chambers, det. D.J. McCosh, 18th Jul 2015, colony of c. 15 plants,, **NMW**
- +†135/28.07.arg. **Hieracium argillaceum** (Southern Hawkweed). On low cliff, by the Afon Ystwyth, Blaenycwm, Cwmystwyth, SN841 755, G. Hanson, det. D.J. McCosh, 11th Jul 2013, 1st hectad record at least for the VC46 part.
- +†135/59.1. **Matricaria chamomilla** (Scented Mayweed) (Amranwen Bêr). On verge of forestry road, Cae Gaer, SN823 815, A.O. Chater, 29th Sep 2015, one plant.
- +‡135/73.1.© **Calendula officinalis** (Pot Marigold) (Melyn Mair). Along wall bases, Borth, SN608 901, S.P. Chambers, 22nd Aug 2015, seeding from where planted in flower beds and tubs.
- +153/12.03. **Schedonorus giganteus**. Along riverside path in wet woodland, NE bank of the Afon Rheidol 150m downstream of Pont Pen-y-bont, Aberystwyth, SN593 803, S.P. Chambers, 18th Aug 2015, locally frequent.
- +‡153/17.3 **Briza maxima** (Greater Quaking-grass) (Crydwellt Mawr). Road verge, Ffos-y-ffin, SN446 605, A.O. Chater, 25th May 2015.
- +153/24.1. **Glyceria maxima** (Reed Sweet-grass) (Melyswellt y Gamlas). Dominant in swampy ox-bow, by the Afon Teifi, 1.5km SW of Lampeter, SN567 468, A.O. Chater, 27th Sep 2014, not planted but probably non-native.
- +153/35.1. **Aira caryophyllea** (Silver Hair-grass) (Brigwellt Arian). Dry field bank, 700m NNE of Waunifor, SN464 415, A.O. Chater, 15th May 2014; (+) forestry road verge, 1.5km W of Nantstalwyn, SN790 574, A.O. Chater, 12th Sep 2014.
- +153/50.3. **Bromus racemosus** (Smooth Brome) (Pawrwellt Llyfn). Corner of hay meadow, Moelgolomen Farm, SN691 875, A.O. Chater, 9th Jun 2015, a few plants.

- +153/64.1. **Phragmites australis** (Common Reed) (Corsen). Margin of field pond, Plas-y-Berllan, SN279 502, A.O. Chater et al WWBIC Ceredigion Recording meeting, det. A.O. Chater, 30th Jul 2015, strip c. 20 x 4m in wetland, originally planted.
- +154/1.1. **Sparganium erectum** (Branched Bur-reed) (Cleddlys Canghennog). Field pond, Plas-y-Berllan, SN279 502, A.O. Chater et al WWBIC Ceredigion Recording meeting, det. A.O. Chater, 30th Jul 2015.
- +158/14.1. ‡ **Polygonatum multiflorum** (Solomon's-seal) (Llysiiau-Solomon). Roadside, SE side of the A486, NE of Ffostrasol, SN376 481, S.P. Chambers, 29th May 2015, two large clumps planted on fairly new, c. 3-5yrs old, bank.
- +‡158/18.umb.cam. **Ornithogalum umbellatum subsp. campestre**. S-facing grass verge, Ponterwyd, SN749 811, S.P. Chambers, 8th Jun 2015, one plant.
- +‡158/24.07. **Allium triquetrum** (Three-cornered Garlic) (Garlleg Trionglog). On road verge, B4572, E of Wallog, SN603 855, A.O. Chater, 5th Apr 2015, several patches.
- *‡159/02.5. **Sisyrinchium striatum** (Pale Yellow-eyed-grass) (Sisirinciwm Melyn Mawr). Disturbed sandy slope, Penyrergyd, SN1619 4837, P.R. Green, M.D. Sutton & S.P. Chambers, det. P.R. Green, 19th Apr 2015, several tufts over c. 5 x 5m.
- +‡160/1.glo. **Yucca gloriosa** (Spanish-dagger). In rank vegetation beside woodland path, E of Glanyrafon Sewage Treatment Works, SN606 801, S.P. Chambers, 7th Aug 2015, one large, 6ft tall, plant, in full flower. Digital photographs taken. Var. *gloriosa*.
- +161/1.1. **Tamus communis** (Black Bryony) (Cwlwm y Coed). Climbing up *Urtica dioica* stems in shrubbery, Welsh Government Office, Rhodfa Padarn, Aberystwyth, SN590 809, S.P. Chambers, 29th Jun 2015, either arriving naturally or possibly introduced.
- 162/02.2. **Cephalanthera longifolia** (Narrow-leaved Helleborine) (Y Galdrist Gulddail). Grassy slope, RSPB Ynys-hir, SN6-- 9--, R. Jones, det. R. Jones, comm. Dave Anning, conf. A.O. Chater & S.P. Chambers, 28th May 2015, one plant. First VC-record since 1985.
- +162/18.4. **Dactylorhiza praetermissa** (Southern Marsh-orchid) (Tegeirian-y-gors Deheuol). Flushed thicket of willow carr at edge of forestry track, Cwm Berwyn Plantation, SN723 561, S.P. Chambers, 19th Jun 2015, one plant.
- +162/20.2. **Orchis mascula** (Early-purple Orchid) (Tegeirian Coch y Gwanwyn). Wet woodland, Cwrt Plantation, Green Grove, SN511 574, A.O. Chater, 15th May 2015

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

- ◻001/4.1. **Diphasiastrum alpinum** (Alpine Clubmoss) (Cnw-p-fwsogl Alpaidd). Glaslyn, SN829 954, P. Foulkes & G. Foulkes, 26th Jul 2015, eNE of trig point on Foel Fadian at c.550m.

- ⊖005/2.1. **Botrychium lunaria** (Moonwort) (Lloer-redynen). Todleth Hill, SO2928 9439, R. Rowe, 2014, small field on east side of Todleth Hill.
- +016/4.1. **Gymnocarpium dryopteris** (Oak Fern) (Rhedynen Dridarn). Llanrhaeadrym-mochnant (W of), SJ105 269, R.A. Dawes, 30th Jun 2014, hedgerow, 30 fronds over several metres by pipe.
- +017/3.08. **Dryopteris carthusiana** (Narrow Buckler-fern) (Marchredynen Gul). Cors Llwyd, SN85 74, A.K. Thorne, 2014, bog; (+) Berwyns (Moel Sych), SJ05 31, Montgomeryshire Flora Group, 23rd Jul 2015, near summit; (+) Berwyns (Moel Sych), SJ06 31, Montgomeryshire Flora Group, 23rd Jul 2015, on and near summit.
- +028/13.18. **Ranunculus hederaceus** (Ivy-leaved Crowfoot) (Crafanc-y-frân Dail Eiddew). Mynydd Nantcarfon, SH91 07, J. Clayfield, 2015, list made in Aug 14 and Sept 15.
- +034/2.1. **Humulus lupulus** (Hop) (Hopys). Llanerfyl (Moel Ddolwen), SH99 07, Montgomery Flora Group, 4th Aug 2015, in hedge along lane below Dol-Hywel farm.
- ⊖043/1.06. **Chenopodium rubrum** (Red Goosefoot) (Troed-yr-wydd Coch). Bont glan-tanat, SJ130 242, S. Swindells, 22nd Aug 2014, 1 plant edge of lane.
- ⊖†043/1.08. **Chenopodium polyspermum** (Many-seeded Goosefoot) (Troed-yr-wydd Amlhadog). Gaer Bridge (nr), SO2137 9960, A.K. Thorne, 22nd Jul 2015, margin of arable land near river. Good stand with a few other small patches; (⊖) Gaer Bridge (nr), SO2146 9943, A.K. Thorne, 22nd Jul 2015, margin of arable land near river. Good stand with a few other small patches.
- +043/3.02. **Atriplex prostrata** (Spear-leaved Orache) (Llygwyn Tryfal). Pantmawr, SN84 82, A.K. Thorne, 2nd Oct 2015, road verge.
- +046/01.1. **Arenaria serpyllifolia** (Thyme-leaved Sandwort) (Tywodlys Dail Teim). Abercegir, SH80 01, G. Foulkes, 2012, by path.
- ⊖046/17.3. **Spergularia marina** (Lesser Sea-spurrey) (Troellig Arfor Bach). near Eisteddfa Gurig, SN80 83, A.K. Thorne, 6th Aug 2015, road verge; (⊖) Neuadd, SJ08 07, A.K. Thorne, det. S. Swindells, 4th Aug 2015, road verges; (⊖) Middletown, SJ29 12, A.K. Thorne, 27th May 2015, roadside.
- +046/17.4. **Spergularia rubra** (Sand Spurrey) (Troellig Arfor Coch). Clywedog (Bwlch y Gle), SN92 88, Montgomery Flora Group, 9th Jul 2015, found on steep, south-facing, shaley slope of Bryn y Fan and also on roadside at the dam itself.
- +046/20.09. **Silene latifolia** (White Champion) (Gludlys Gwyn). Llanfyllin (Coll Melyn), SJ13 21, S. Swindells, 21st Jul 2015.
- +051/1.09. **Hypericum tetrapterum** (Square-stalked St John's-wort) (Eurinllys Pedronglog). Llanbrynmair (SE of), SH90 01, Montgomery Flora Group, 5th May 2015; (+) Dolfach Yr Hen Capel, SH91 02, P. Foulkes & G. Foulkes, 10th Jul 2015.
- +057/1.05. **Viola reichenbachiana** (Early Dog-violet) (Fioled y Coed). Forden, SJ247 013, A.K. Thorne, 6th Apr 2015, woodland, on stream bank. Good stand with several more plants downstream.

- *‡062/11.2. **Barbarea stricta** (Small-flowered Winter-cress) (Berwr-y-gaeaf Mân-flodeuog). Gaer Bridge (N of), SJ21 00, A.K. Thorne & W.I.J. Thorne, conf. T. Rich Feb 2016, 10th May 2015.
- *062/22.3. **Erophila glabrescens** (Glabrous Whitlowgrass) (Llyisiau'r-bystwn Llyfn). Montgomery Castle, SO221 967, S.J. Whild, 25th Mar 2015, scattered throughout ruins on short turf, with *Erophila verna* s.s.; (⊖) Trewern, SJ280 113, A.K. Thorne, det. M. Godfrey, 29th Mar 2015, rocky outcrop south of main road on knoll of NVC U1 grassland.
- +062/23.5. ‡ **Cochlearia danica** (Danish Scurvygrass) (Llwylys Denmarc). nr Llanfair Caereinion, SJ09 06, A.K. Thorne, 23rd Apr 2015, main road verge.
- +062/42.1. **Raphanus raphanistrum** (Rhuddygl). Llanfyllin (Coed yr Allt), SJ12 21, R.A. Dawes, 19th Jul 2015, verge.
- *†062/7.1. **Erysimum cheiranthoides** (Treacle-mustard) (Triagl Arfog). Bettws Cedewain (Hill Lane), SO144 975, A.J. Hotchkiss, 28th Aug 2015, road side.
- +069/4.3. **Lysimachia vulgaris** (Yellow Loosestrife) (Trewyn). Llanfair Caereinion, SJ1039 0655, A.J. Hotchkiss & I. Griffiths, 2015, tall herb vegetation on braided river channel, considered native.
- +073/5.5. **Sedum telephium** (Orpine) (Canewin). Dolfach Yr Hen Capel, SH91 02, P. Foulkes & G. Foulkes, 10th May 2015.
- +074/05.19. **Saxifraga tridactylites** (Rue-leaved Saxifrage) (Tormaen Tribys). Welshpool, SJ2291 0725, A.J. Hotchkiss, 29th Mar 2015, about 100 flowering plants on the edge of main roundabout near railway station.
- ⊖‡074/07.1. **Tolmiea menziesii** (Pick-a-back-plant) (Crydlys). Llanerfyl (Hafod), SH98 07, Montgomeryshire Flora Group, 4th Aug 2015, good stand in woodland by R.Gam.
- ⊖075/13.1×2. **Geum ×intermedium** (Hybrid Avens) (Mapgoll Groesryw). Llanfair Caereinion, SJ10 06, A.J. Hotchkiss & I. Griffiths, 2015, goat field wood, river edge.
- +075/20.1.agg. **Aphanes arvensis** agg. Talerddig, SH92 01, A.K. Thorne, 5th May 2015, lane through woodland.
- +075/20.2. **Aphanes australis** (Slender Parsley-piert) (Troed-y-dryw Main). Llanbrynmair (SE of), SH90 01, Montgomery Flora Group, det. A.K. Thorne, 5th May 2015.
- +077/14.08. **Vicia tetrasperma** (Smooth Tare) (Ffacbysen Lefn). Near Aberhosan, SN812 972, P. Foulkes & G. Foulkes, 26th Jul 2015, growing on roadside bank N of Cefnwyrgrug at approach. SN812972.
- ⊖077/19.13. **Trifolium micranthum** (Slender Trefoil) (Meillionen Hopysaidd Eiddil). Llanfyllin (Coed yr Allt), SJ129 214, S. Swindells, 19th Jul 2015, rocky hillside. 30 cm x 30cm patch; (⊖) Llanfyllin (Coed Llety-yr-eos), SJ1329 2068, S. Swindells, 18th Jul 2015, scattered over 3 sq mtr on south facing hillside; (⊖) Llanfyllin (Coed Llety-yr-eos), SJ1354 2059, S. Swindells, 26th May 2015, abundant in patch 3 sq mtrs on south facing steep grassy hillside with ger molle, trif dub, ver arv, rumex acetosella, erophila verna; (⊖) Llanfyllin (Coll Melyn),

- SJ1317 2130, S. Swindells, 30th May 2015, patch over 1 sq mtr plus more nearby – steep south facing hillside.
- +081/1.3. **Lythrum portula** (Water-purslane) (Troed y Gywen). Llanfyllin (Coll Melyn), SJ1343 2133, S. Swindells, 21st Jul 2015, abundant around edge of pool.
- +‡084/1.12 **Epilobium brunnescens** (New Zealand Willowherb) (Helyglys Seland Newydd). Llandinam Windfarm (SW of), SO00 79, A.K. Thorne & W.I.J. Thorne, 7th Mar 2015, wet rock face.
- +095/1.2. **Polygala serpyllifolia** (Heath Milkwort) (Amlaethai'r Waun). Y Golfa, SJ17 07, S. Swindells, 11th Jun 2015, heathy hilltop.
- +103/1.16. **Geranium molle** (Dove's-foot Crane's-bill) (Pig-yr-Aran). Talerddig, SH92 01, A.K. Thorne, 5th May 2015, lane through woodland.
- ⊖107/16.1. **Berula erecta** (Lesser Water-parsnip) (Panasen-y-dŵr Gulddail). Clywedog (Pen y Clun), SN92 87, Montgomery Flora Group, 9th Jul 2015.
- +113/1.1. **Menyanthes trifoliata** (Bogbean) (Ffeuen y Gors). Y Golfa, SJ176 072, S. Swindells, 11th Jun 2015, base-rich wet flush.
- +‡116/15.08. **Myosotis arvensis** (Field Forget-me-not) (Sgorpionllys y Maes). Llanerfyl (Dolwen), SH97 07, Montgomeryshire Flora Group, 4th Aug 2015, along the River Gam banks.
- +118/01.5×6. **Stachys ×ambigua** (Hybrid Woundwort) (Briwlys Croesryw). Pantmawr, SN84 82, A.K. Thorne, 2nd Oct 2015, river bank; (+) Rhyd-esgyn, SJ2756 1344, Montgomeryshire Flora Group, 9th Sep 2015, river bank.
- +118/22.1. **Lycopus europaeus** (Gypsywort) (Llyisiau'r Sipsiwn). Llanerfyl (Hafod), SH98 07, Montgomeryshire Flora Group, 4th Aug 2015, along the River Gam banks.
- +124/02.2. **Scrophularia auriculata** (Water Figwort) (Gwrnerth y Dŵr). Pantmawr, SN84 82, A.K. Thorne, 2nd Oct 2015, riverside fields.
- +‡124/16.23. **Veronica filiformis** (Slender Speedwell) (Rhwyddlwyn Main). Llanbrynmair (SE of), SH90 01, Montgomery Flora Group, 5th May 2015.
- ⊖124/20.03. **Euphrasia officinalis subsp. anglica** (Effros Lloegr). Llanfyllin (Coll Melyn), SJ1389 2136, S. Swindells, det. A.K. Thorne, conf. C. Metherell Feb 2016, 2nd Aug 2015, many plants scattered over north facing hillside at 1034 ft.
- ⊖124/20.05.b. **Euphrasia arctica subsp. borealis**. Llanerfyl (Dolwen), SH978 073, Montgomeryshire Flora Group, det. A.K. Thorne, conf. C. Metherell Feb 2016, 4th Aug 2015, road margin on bridge.
- +125/1.1. **Lathraea squamaria** (Toothwort) (Deintlys). Mochdre, SO0791 8736, E. Beare & R. Meade, 15th Apr 2015.
- +130/3.1. **Sherardia arvensis** (Field Madder) (Mandon Las yr ŷd). Llanfyllin (Coll Melyn), SJ1317 2129, S. Swindells, 30th May 2015, small patch – 1sq ft – on hillside.
- ⊖‡133/1.2. **Valerianella carinata** (Keeled-fruited Cornsalad) (Gwylaeth-yr-oen Ffrwythau Rhychog). Cemmaes Road, SH83 04, Montgomeryshire Flora Group, 23rd Apr 2015, steep bank by main road; (⊖) Llanfair Caereinion, SJ1048 0651, A.J. Hotchkiss & I. Griffiths, 8th Jul 2015, bare ground/cracks/old wall, most

- cornsalads checked seemed to be this; (☐) Bwlch-y-cibau, SJ11T, G. Evans & A. Evans, 3rd May 2015, roadside, centre of village, SJ178175.
- ☐134/1.3. **Dipsacus pilosus** (Small Teasel) (Cribau'r-pannwr Bach). Camlad/Severn junction, SJ209 005, A.K. Thorne & W.I.J. Thorne, 10th May 2015, main stand 2m x 2.5m, with a few more plants nearby. In woodland, near edge.
- +135/05.4. **Carduus nutans** (Musk Thistle) (Ysgallen Bendrom). Forden, SJ24 01, A.K. Thorne & W.I.J. Thorne, 14th Aug 2015, on small tip in stream valley.
- +135/16.2. **Leontodon hispidus** (Rough Hawkbit) (Peradyl Garw). Dolfach, SH91 01, Montgomery Flora Group, 5th May 2015.
- *†135/28.07.ang. **Hieracium anglorum** (Anglian Hawkweed). Tylwch, SN971 801, G. Hanson, det. D. McCosh, 11th Jul 2013, on sides of railway cutting.
- ☐†135/28.07.arg. **Hieracium argillaceum** (Southern Hawkweed). Aberhosan, SN803 968, G. Hanson, det. D. McCosh, 9th Jul 2013, road verge near Aberhosan; (☐) Tal y Wern, SH82 00, G. Hanson, det. D. McCosh, 9th Jul 2013, road verge at Tal-y-wern; (☐) Llanbrynmair, SH874 032, G. Hanson, det. D. McCosh, 9th Jul 2013, on gabions 1.5km W of Llanbrynmair; (☐) Newtown (W of), SO072 900, G. Hanson, det. D. McCosh, 9th Jul 2013, roadside, 2km W of Newtown; (☐) Newtown, SO096 907, G. Hanson, det. D. McCosh, 10th Jul 2013, beside railway; (☐) Lake Vyrnwy, SJ021 191, G. Hanson, det. D. McCosh, 10th Jul 2013, on rocks near Lake Vyrnwy dam wall; (☐) Pont Llogel, SJ032 155, G. Hanson, det. D. McCosh, 10th Jul 2013, under the bridge; (☐) Pont Llogel, SJ036 152, G. Hanson, det. D. McCosh, 10th Jul 2013, beside Ann Griffith's walk; (☐) Welshpool, SJ215 075, G. Hanson, det. D. McCosh, 12th Jul 2013, on stone wall opposite W&L station.
- ☐†135/28.07.dae. **Hieracium daedaleolepioides** (Petite-leaved Hawkweed). Llyn Clywedog, SN914 888, G. Hanson, det. D. McCosh, 9th Jul 2013, at viewpoint.
- ☐135/28.08.136.‡ **Hieracium subleptostoides** (Grey-bracted Hawkweed). Powis Castle, SJ216 064, G. Hanson, det. D. McCosh, 12th Jul 2014, under Yew tree, top of wooden steps.
- +‡135/62.18. **Senecio viscosus** (Sticky Groundsel) (Creulys Ludlog). Y Golfá, SJ18 07, R.A. Dawes, 11th Jun 2015, trackside.
- +141/1.1. **Triglochin palustre** (Marsh Arrowgrass) (Saethbennig y Gors). Y Golfá, SJ176 072, S. Swindells, 11th Jun 2015, base-rich wet flush.
- +152/01.1. **Eriophorum angustifolium** (Common Cottongrass) (Plu'r Gweunydd). Y Golfá, SJ176 072, S. Swindells, 11th Jun 2015, base-rich wet flush; (+) Llanfyllin (Coll Melyn), SJ13 21, S. Swindells, 21st Jun 2015.
- *152/16.67×69. **Carex ×decolorans**. Berwyns (Moel Sych), SJ0575 3161, Montgomery Flora Group, det. A.K. Thorne, conf. M.S. Porter Feb 2016, 23rd Jul 2015, peaty area near summit ridge.
- +152/16.73. **Carex pulicaris** (Flea Sedge) (Hesgen y Chwain). Y Golfá, SJ176 072, S. Swindells, 11th Jun 2015, base-rich wet flush; (+) Llanfyllin (Pant-y-fedw), SJ10 20, R.A. Dawes, 14th Jun 2015, marsh.
- +152/16.can **Carex canescens**. Y Golfá, SJ176 072, S. Swindells, 11th Jun 2015, base-rich wet flush; (+) Llanfyllin (Tan-y-graig), SJ12 20, R.A. Dawes, 19th Jul 2015, wet ground.

- +153/12.02. **Schedonorus arundinaceus** (Tall Fescue) (Peiswellt Tal). Caerhowel, SO20 98, A.K. Thorne & W.I.J. Thorne, 19th Apr 2015, road verge.
- +153/18.04. **Poa humilis** (Spreading Meadow-grass) (Gweunwellt Ymledol). Llanbrynmair, SH89 02, P.R. Green, 31st May 2015; (+) Foel (W of), SH97 12, A.K. Thorne, 18th May 2015, road side verge; (+) Castle Caereinion, SJ1686 0656, A.K. Thorne, 18th May 2015, central GR for lay-by by main road at golf club turn.
- +153/18.12. **Poa nemoralis** (Wood Meadow-grass) (Gweunwellt y Coed). Llanerfyl (Hafod), SH98 07, Montgomeryshire Flora Group, 4th Aug 2015, along the River Gam banks.
- +153/30.1. **Trisetum flavescens** (Yellow Oat-grass) (Ceirchwellt Melyn). Llanfyllin (Coed Llety-yr-eos), SJ13 20, S. Swindells, 18th Jul 2015.
- +154/1.1. **Sparganium erectum** (Branched Bur-reed) (Cleddlys Canghennog). Llangadfan (Pencoed S), SH98 08, Montgomery Flora Group, 4th Aug 2015, patch c. 3 x 6m at SH98908.08233 with *Hypericum elodes*, *Potamogeton polygonifolius*, *Sphagnum*, and *Myosotis*. No open water.
- +154/1.2. **Sparganium emersum** (Unbranched Bur-reed) (Cleddlys Di-gainc). Llanfyllin (Coed yr Allt), SJ12 21, R.A. Dawes, 19th Jul 2015, pool.
- *162/10.1. **Hammarbya paludosa** (Bog Orchid) (Tegeirian Bach y Gors). Cors Llwyd, SN8579 7562, M. Waller, 24th Jul 2009, in one specific wet flush area entering an expanse of open pools within the bog

MERIONETH, v.c.48 (comm. S. Stille)

- +016/4.1. **Gymnocarpium dryopteris** (Oak Fern) (Rhedyndyn Dridarn). Upland, Tanrallt, SH759 383, Gethin Elias, John Palmer & Lucy Evans, 12th Jul 2015.
- +017/1.1. **Polystichum setiferum** (Soft Shield-fern) (Gwrychredynen Feddal). Aberdyfi, SN60 96, E.J. McDonnell, C.M. Lovatt & G.S. Hall, 24th Jul 2016.
- +‡019/1.1. **Azolla filiculoides** (Water Fern) (Rhedyndyn y Dŵr). Fairbourne, SH616 128, E.J. McDonnell & C.M. Lovatt, 20th Jul 2015.
- +‡020/1.1.© **Abies alba** (European Silver-fir) (Ffynidwydden Arian). Planted forest edge, Coed Cwm Celli, SH71V, S.E. Stille, 26th Aug 2015.
- +‡030/1.3. **Papaver somniferum** (Opium Poppy) (Llyisiau Cwsg). Aberdyfi, SN60 96, E.J. McDonnell, C.M. Lovatt & G.S. Hall, 24th Jul 2016.
- *031/5.05.b.m **Fumaria muralis subsp. boroei var. major**. Traeth Glaslyn, SH53Z, BSBI field meeting, 12th Jul 2015.
- 036/1.1.b. **Urtica dioica subsp. galeopsifolia**. SH70P, S.E. Stille and Caerdeon group, 24th Jul 2015.
- +‡036/3.1. **Soleirolia soleirolii** (Mind-your-own-business) (Mam Miloedd). Aberdyfi, SN60 96, E.J. McDonnell, C.M. Lovatt & G.S. Hall, 24th Jul 2016.
- *040/4.1×2. **Corylus avellana × maxima**. Hedgerow, Cwm yr Wnain, SH72A, G.M. Kay & Caerdeon group, det. G.M. Kay, 21st Jul 2015; (*) hedgerow, Dyfi valley, Abercywarch, SH81Y, S.E. Stille & Caerdeon group, det. G.M. Kay, 23rd Jul 2015, 1st and 2nd VC records.

- ⊖043/3.10. **Atriplex portulacoides** (Sea-purslane) (Llygwyn Llwydwy). Fairbourne, SH613 144, E.J. McDonnell & C.M. Lovatt, 20th Jul 2015, one patch c 2m in diameter at top of creek near sea wall; (⊖) Fairbourne, SH620 140, E.J. McDonnell & C.M. Lovatt, 20th Jul 2015, one plant at edge of small brackish area.
- ⊖†047/5.4. **Fallopia convolvulus** (Black-bindweed) (Y Glymog Ddu). Aberdyfi, SN60 96, E.J. McDonnell, C.M. Lovatt & G.S. Hall, 24th Jul 2015.
- *‡051/1.03×04. **Hypericum ×inodorum** (Tall Tutsan) (Dail-y-Beiblau Tal). Aberdyfi, SN60 96, E.J. McDonnell, C.M. Lovatt & G.S. Hall, 24th Jul 2015.
- +061/1.2. **Populus tremula** (Aspen) (Aethnen). Hedgerow, Pont Cilan, SJ02 38, S.E. Stille & H.M. Guyon, 23rd Jun 2015.
- *‡061/1.4.© **Populus trichocarpa** (Western Balsam-poplar) (Poplysen Falmaidd y Gorllewin). Forestry plantation, Cae Gwian, SH61P, S.E. Stille & G.S. Hall, 21st Jul 2015.
- +‡062/11.4. **Barbarea verna** (American Winter-cress) (Berwr-y-gaeaf cynnar). Aberdyfi, SN60 96, E.J. McDonnell, C.M. Lovatt & G.S. Hall, 24th Jul 2015, **Herb SES**
- +‡062/29.umb. **Iberis umbellata** (Garden Candytuft) (Beryn yr Ardd). Tywyn, SH57 00, E.J. McDonnell & C.M. Lovatt, 22nd Jul 2015; (*) Llanfihangel GM, SH94Z, S.E. Stille, 16th Oct 2015.
- †063/1.1. **Reseda luteola** (Weld) (Melengu). Caethle, SN69E, Meirionnydd Naturalists, 24th Sep 2015, 1st record for hectad since 1963.
- *‡071/DEU.sca. **Deutzia scabra** (Deutzia) (Deutsia). Estate grounds, Llyn Mair, SH64K, P.A. Stroh, 10th Jul 2015.
- +075/08.01.028. **Rubus scissus**. Morfa Dyffryn, SH52M, Meirionnydd Naturalists, 23rd Apr 2015.
- *075/09.01. **Potentilla fruticosa** (Shrubby Cinquefoil) (Llwyn Pumnalén). Pavement weed by railway, Fairbourne, SH61 13, E.J. McDonnell & C.M. Lovatt, 19th Jul 2015.
- +075/17.1. **Sanguisorba officinalis** (Great Burnet) (Bwrned Mawr). Llandecwyn Station and coast, SH61 37, P.A. Stroh, 10th Jun 2015.
- *075/21.12×16. **Rosa canina × sherardii**. Hedgerow, Dyfi valley, Abercywarch, SH81Y, S.E. Stille & Caerdeon group, det. G.M. Kay, 23rd Jul 2015.
- *077/18.5‡ **Medicago arabica** (Spotted Medick) (Maglys Brith). Car park, Aberdyfi, SN609 960, E.J. McDonnell, C.M. Lovatt & G.S. Hall, 24th Jul 2015, in its only site in the VC, refund in the same spot where it was recorded for the 1963 'Contribution to a flora of Merioneth'.
- *‡077/25.5.a. **Genista hispanica subsp. occidentalis**. Ruderal, outside gardens, Fairbourne, SH61, Lizzie Byrne, det. S.E. Stille, conf. A.O. Chater, 29/05/2015, 1st May 2015, **Herb SES**
- +‡099/1.1. **Acer platanoides** (Norway Maple) (Masarnen Norwy). Planted, Afon Gamallt, SH74G, S.E. Stille & J.B. Warner, 12th Aug 2015.
- ⊖107/20.1. **Aethusa cynapium** (Fool's Parsley) (Geuberllys). Tywyn, SH579 002, E.J. McDonnell & C.M. Lovatt, 22nd Jul 2015; (⊖) lane, Llwyngwrl, SH591 095, E.J. McDonnell & C.M. Lovatt, 21st Jul 2015.

- *†107/39.3. **Imperatoria ostruthium** (Masterwort) (Ffenigl-y-moch Gwridog). Roadside verge, Uwch Mynydd, SH829 400, P.R. Green, 30th May 2015, patch on south verge of the A4212. First VC record since 1895 and first Welsh record this millennium.
- *‡116/09.1.© **Borago officinalis** (Borage) (Tafod yr Ych). Waste ground, Tywyn, SH579 002, E.J. McDonnell & C.M. Lovatt, 22nd Jul 2015.
- +118/01.5×6. **Stachys ×ambigua** (Hybrid Woundwort) (Briwlys Croesryw). Ithfaen Quarry, SH71 36, P.A. Stroh and BSBI Group, 11th Jul 2015.
- ‡124/17.1. **Veronica salicifolia** (Koromiko) (Pedwar-ban-byd Helygddail). Ithfaen Quarry, SH71 36, P.A. Stroh and BSBI Group, 11th Jul 2015.
- *124/20.03.mon **Euphrasia officinalis subsp. monticola**. Ceunant Cynfal, SH704 413, M.W. Rand & P.H. Brown, det. M.W. Rand, 24th Jul 2015, a small number of plants in grassland convincingly this subsp. (large flowers, flowering from node 3 to node 6).
- *124/20.05×09. **Euphrasia arctica × confusa**. Dyfi valley, Abercywarch, SH81 Y, S.E. Stille & Caerleon group, det. M.W. Rand, 23rd Jul 2015.
- +130/3.1.‡ **Sherardia arvensis** (Field Madder) (Mandon Las yr ŷd). Aberdyfi, SN60 96, E.J. McDonnell, C.M. Lovatt & G.S. Hall, 24th Jul 2016; (+) Tonfanau Quarry, SH572 033, D.O. Elias, 9th Jun 2015.
- ⊖130/6.01. **Galium boreale** (Northern Bedstraw) (Briwydd y Gogledd). Castell Prysor, SH76 37, BSBI field meeting, det. A. Seddon, 12th Jul 2015, in two places - 2nd and 3rd VC and 1st hectad records for this rare plant this millennium.
- +‡135/11.2. **Centaurea montana** (Perennial Cornflower) (Y Benlas Luosflwydd). Waste ground, Pandy Capel, SJ085 503, S.E. Stille, 2nd Oct 2015.
- *135/11.deb. **Centaurea debeauxii** (Slender Knapweed). Cemetery, Llanaber, SH599 179, E.J. McDonnell & C.M. Lovatt, 6th Aug 2015.
- +†135/17.1. **Helminthotheca echioides** (Bristly Oxtongue) (Tafod-y-llew Gwrychog). Aberdyfi, SN60 96, E.J. McDonnell, C.M. Lovatt & G.S. Hall, 24th Jul 2015.
- 135/40.4. **Solidago gigantea** (Early Goldenrod) (Eurwialen Gynnar). Railway line, Aberdyfi, SN60 96, E.J. McDonnell, C.M. Lovatt & G.S. Hall, 24th Jul 2016.
- +‡135/44.1. **Conyza canadensis** (Canadian Fleabane) (Amrhydylwyd Canada). Waste ground, Pandy Capel, SJ08 50, S.E. Stille, 2nd Oct 2015.
- *153/32.1.b. **Deschampsia cespitosa subsp. parviflora** (Small-flowered Hair-grass). Cwm yr Wnyn, SH72A, G.M. Kay & Caerleon group, det. G.M. Kay, 21st Jul 2015.
- +153/51.1. **Bromopsis ramosa** (Hairy-brome) (Pawrwellt Blewog). Llyn Mair, SH64K, P.A. Stroh, 10th Jul 2015.
- *‡158/05.1. **Hemerocallis fulva** (Orange Day-lily) (Lili Undydd Oren). Roadside, Tywyn, SH572 017, E.J. McDonnell & C.M. Lovatt, 22nd Jul 2015.
- *‡159/13.1. **Crocsmia paniculata** (Aunt-Eliza) (Modryb Leusa). Abundant between houses and road, Fairbourne, SH61 13, E.J. McDonnell & C.M. Lovatt, 19th Jul 2015, 1st VC record.
- ⊖162/14.1. **Anacamptis pyramidalis** (Pyramidal Orchid) (Tegeirian Bera). Aberdyfi, SN60 95, E.J. McDonnell, C.M. Lovatt & G.S. Hall, 24th Jul 2016.

- 162/16.1.c. **Gymnadenia borealis**. Rough pasture, Castell Prysor, SH76 36, BSBI field meeting, det. A. Seddon, 12th Jul 2015; (□) rough pasture, Castell Prysor, SH76 37, BSBI field meeting, det. A. Seddon, 12th Jul 2015

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

- +026/1.1. **Nymphaea alba** (White Water-lily) (Alaw). Pond, Mynydd Cilan, SH29 24, Wendy McCarthy, 30th Aug 2015.
- +†028/06.1.a×var. **Aconitum napellus** × **A. variegatum** L. (**A. × stoerkianum**). Grass bank at roadside, Llithfaen, SH36 43, Wendy McCarthy, 2nd Aug 2015.
- +028/13.10. **Ranunculus auricomus** (Goldilocks Buttercup) (Blodyn-y-menyn Peneuraid). Shaded woodland, Gloddaeth, Llandudno, SH80 80, Wendy McCarthy, 20th May 2015.
- +028/17.3. **Thalictrum flavum** (Common Meadow-rue) (Arianllys). Lane bank, Rhoslan, SH46 41, Wendy McCarthy & Martyn Stead, det. Wendy McCarthy 2008, 11th May 2007, confirmed by growing on.
- 031/5.06. **Fumaria purpurea** (Purple Ramping-fumitory) (Mwg-y-ddae'r Glasgoch). Roadside bank, Bryn Pydew, SH81 79, Paul Green, 14th May 2015; (⊗) roadside bank, Llangwstenin, SH82 78, Paul Green, 14th May 2015.
- +†043/1.13. **Chenopodium ficifolium** (Fig-leaved Goosefoot) (Troed-yr-wydd Dail Ffigys). Arable field, Morfa Aber, Abergwyngregyn, SH64 73, Wendy McCarthy, 8th Sep 2015.
- +043/3.02×03 **Atriplex prostrata** × **A. glabriuscula**. Saltmarsh, Llanfairfechan, SH66 74, BSBI Atriplex training meeting, det. John Akeroyd, 18th Sep 2015, bSBI Atriplex training meeting; (+) shingle beach, Llandudno, SH76 82, Wendy McCarthy, det. John Akeroyd, 18th Sep 2015, BSBI Atriplex training meeting.
- +046/05.4. **Stellaria neglecta** (Greater Chickweed) (Gwlyddyn-y-dom Mawr). Shaded woodland, Moelyci farm, Tregarth, SH59 67, Wendy McCarthy, 22nd Apr 2015.
- +046/10.7.b. **Sagina filicaulis**. Roadside, Nant Peris, SH60 57, Wendy McCarthy, 17th Jul 2015.
- +046/17.3. **Spergularia marina** (Lesser Sea-spurrey) (Troellig Arfor Bach). Gateway at roadside, Aberdesach, SH42 50, Wendy McCarthy, 1st Nov 2015.
- +©047/1.cap. **Persicaria capitata** (Pink-headed Persicaria). Pavement edge, Penisar' Waun, SH55 64, Debbie Evans & Wendy McCarthy, 15th Jun 2015.
- +047/8.13×19. **Rumex ×pratensis** (Meadow Dock). Field edge, Bryn Pydew, SH81 79, Paul Green, 14th May 2015.
- +051/1.04. **Hypericum hircinum** (Stinking Tutsan) (Dail-y-Beiblau Drewllyd). Cracks in walls & pavements, Waunfawr, SH52 59, Wendy McCarthy, 8th Mar 2015.
- +060/1/1 **Bryonia dioica** (White Bryony) (Bloneg y Ddaear). Grass bank below car park, Great Orme, Llandudno, SH76 82, Wendy McCarthy, 15th Jul 2015.
- +‡062/01.5. **Sisymbrium altissimum** (Tall Rocket) (Roced Dal). Disturbed bank above stream, Aberdesach, SH42 51, Wendy McCarthy, 1st Nov 2015.

- +062/12.3. **Rorippa islandica** (Northern Yellow-cress) (Berwr Melyn Gogleddol). Farmyard & field edge, Nant Gwynant, SH62 51, Wendy McCarthy, 7th Aug 2015.
- +†062/35.2. **Sinapis alba** (White Mustard) (Mwstard Gwyn). Disturbed road side, Capel y Graig, SH54 69, Paul Green, 14th May 2015.
- +‡062/38.1. **Hirschfeldia incana** (Hoary Mustard) (Mwstard Llwyd). Disturbed bank above stream, Aberdesach, SH42 51, Wendy McCarthy, 1st Nov 2015.
- +‡069/3.1. **Cyclamen hederifolium** (Sowbread) (Bara'r Hwch). Shaded bank by path, Penrhynside, SH81 81, Wendy McCarthy, 18th May 2015.
- +‡069/4.5. **Lysimachia punctata** (Dotted Loosestrife) (Trewyn Brych). Field gateway, Glanwydden, SH82 80, Wendy McCarthy, 24th Jul 2015.
- +‡073/5.4. **Sedum spectabile** (Butterfly Stonecrop) (Briweg Iâr Fach yr Haf). Sandy bank, West Shore, Llandudno, SH77 81, Wendy McCarthy, 29th Oct 2015.
- +‡075/32.10. **Cotoneaster salicifolius** (Willow-leaved Cotoneaster) (Cotoneaster Dail Helyg). Disturbed ground following scrub clearance, Bryn Pydew, SH80 78, Wendy McCarthy, 4th Sep 2015.
- +‡075/32.39. **Cotoneaster franchetii** (Franchet's Cotoneaster) (Cotoneaster Franchet). River bank, Afon Lledr, Pont y Pant, SH76 53, Wendy McCarthy, 25th Sep 2015.
- +‡077/08.2.sat. **Lotus corniculatus var. sativus**. Grass bank at roadside, Aberdesach, SH42 50, Wendy McCarthy, 1st Nov 2015, bank reseeded following road widening.
- +077/26.1×2. **Ulex ×breoganii** (**U. europaeus** × **U. gallii**). Heathland, Moelyci farm, Tregarth, SH59 67, Wendy McCarthy, 10th Jan 2015, checked by counting ovules on 5/5/2015, **F**
- +‡091/2.15. **Euphorbia cyparissias** (Cypress Spurge) (Llaethlys Cypreswydd). Pavement edge, Penisa'r Waun, SH55 64, Debbie Evans & Wendy McCarthy, 15th Jun 2015.
- +‡103/1.17. **Geranium macrorrhizum** (Rock Crane's-bill) (Pig-yr-aran Wreiddfawr). Bank in lane, Penisa'r Waun, SH55 64, Debbie Evans & Wendy McCarthy, 15th Jun 2015.
- +‡105/1.4. **Impatiens glandulifera** (Indian Balsam) (Jac y Neidiwr). Waste ground, Esgyryn, Bryn Pydew, SH80 78, Wendy McCarthy, 4th Sep 2015.
- +118/20.1. **Origanum vulgare** (Wild Marjoram) (Penrhudd). Field edge, Nant Peris, SH61 57, Wendy McCarthy, 17th Jul 2015, presumed throw-out but far from houses.
- +†124/12.1. **Kickxia elatine** (Sharp-leaved Fluellen) (Llysiâu-Llywelyn). Disturbed bank, Ysbyty Gwynedd, Bangor, SH55 70, J.H. Bratton, Sep 2015.
- +‡124/15.1. **Erinus alpinus** (Fairly Foxglove) (Clychau'r Tylwyth Teg). Roadside wall, Llandudno, SH79 81, Wendy McCarthy, 6th Jun 2015.
- +124/20.09×18. **Euphrasia confusa** × **scottica**. Boggy ground, Llynnau Mymbyr, SH71 57, Wendy McCarthy, conf. A.J. Silverside 11/4/2015, 15th Aug 2014.

- +‡135/11.2. **Centaurea montana** (Perennial Cornflower) (Y Benlas Luosflwydd). Hedgebank, Penisa'r Waun, SH55 64, Debbie Evans & Wendy McCarthy, 15th Jun 2015.
- +135/28.01.4. **Hieracium salticola** (Bluish-leaved Hawkweed). Roadside, Capel Curig, SH71 57, Gordon Hanson, det. D.J. McCosh, 25th Aug 2011.
- +135/28.04.19. **Hieracium eboracense** (Northern Hawkweed). Wood edge by B5106, Betws-y-Coed, SH79 57, Gordon Hanson, det. D.J. McCosh, 24th Aug 2011.
- +‡135/62.03.© **Senecio inaequidens** (Narrow-leaved Ragwort) (Creulys Gulddail). Slate chippings at roadside, Penygroes, SH47 52, Wendy McCarthy, 5th Apr 2015.
- +‡138/6.1. **Lagarosiphon major** (Curly Waterweed) (Ffugalaw Crych). Pond, Mynydd Cilan, SH29 24, Wendy McCarthy, 30th Aug 2015.
- +148/1.1.‡ **Spirodela polyrhiza** (Greater Duckweed) (Llinad Mawr). Pond near business park, Bangor, SH54 69, J.H. Bratton, 24th Oct 2014.
- 151/1.11. **Juncus subnodulosus** (Blunt-flowered Rush) (Brwynen Flaendon). Ditch through silage fields, Llangwstenin, SH82 79, Wendy McCarthy, 7th Jul 2015.
- 152/16.57. **Carex limosa** (Bog-sedge) (Hesgen Eurwerdd). Wide runnel, Rhyd Ddu, SH56 52, Kathryn Birch, 15th Jul 2015.
- +‡153/13.2. **Lolium multiflorum** (Italian Rye-grass) (Rhygwellt yr Eidal). Field edge, Llangwstenin, SH82 79, Wendy McCarthy, 7th Jul 2015.
- +153/18.06. **Poa angustifolia** (Narrow-leaved Meadow-grass) (Gweunwellt Culddail). Bank at wood edge, Gloddaeth, Llandudno, SH80 80, Wendy McCarthy, 1st May 2015.
- +‡153/46.2. **Polypogon viridis** (Water Bent) (Barfwellt y Dŵr). Flower bed, Treborth Botanic Garden, Bangor, SH55 71, Wendy McCarthy, 20th Sep 2015.

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

- *031/5.06. **Fumaria purpurea** (Purple Ramping-fumitory) (Mwg-y-ddaear Glasgoc). Urban, Kimmel Bay, SH9932 8067, Paul Green, conf. D. Williams & M.O. Stead, 17th May 2015, patch by fence at entrance to boatyard. With *F. muralis*, **Herb DW**
- *†031/5.07.b. **Fumaria officinalis subsp. wirtgenii**. Gateway into maize field, Pont Glantanat Isaf, SJ155 245, S. Swindells, det. D. Williams, conf. Murphy, R.J., 11th Jul 2015, flowering and fruiting. **Herb DW**
- *040/2.vir. **Alnus viridis** (Green Alder). Waste ground, Tan-y-gopa, SH933 779, Denbs Group (D. Williams), 5th Aug 2015, planted along N side of A547. Regenerating; (*) waste ground, Hen Wrych Farm, SH935 780, Denbs Group (D. Williams), 5th Aug 2015, planted and regenerating.
- *043/3.02×03 **Atriplex prostrata** × **A. glabriuscula**. Shoreline, Llanddulas, SH917 784, M.O. Stead, det. J. Akeroyd, conf. J. Akeroyd, 12th Sep 2015, **Herb DW**
- *043/3.03×04. **Atriplex glabriuscula** × **A. longipes** = **A. ×taschereaui** (Taschereau's Orache) (Llygwyn Taschereau). Shoreline, Kimmel Bay, SH9849 8057, M.O. Stead, conf. J. Akeroyd, 26th Sep 2015, **Herb DW**

- *‡047/7.pal×rha. **Rheum ×rhabarbarum** (Rhubarb) (Rhiwbob). Old garden, Pentrefelin, SJ204 433, D. Williams, 27th May 2015, long dis-used garden area by garage S side of road.
- *‡074/05.09×01. **Saxifraga ×polita** (**S. spathularis** × **S. hirsuta**) (False Londonpride) (Balchder Llundain Ffug). Hedgebank, Eryrys, SJ202 572, D. Williams, 22nd Jul 2015, bridlepath linking two minor roads. Damp shady hedgerow opposite and near house. Leaves distinct, **Herb DW**
- *075/08.02.069. **Rubus platyacanthus**. Roadsides, Fron Fawr, SH95535 71498, R.D. Randall, 30th Jul 2015, 2 plants, junction of roads.
- *075/08.03.123. **Rubus septentrionalis**. Footpath, Mynydd Bodran, SH94 71, R.D. Randall, 30th Jul 2015, lower slopes, Mynydd Bodran. **Herb RDR no. 2015.028**; (*) footpath, Fron Fawr, SH95154 71164, R.D. Randall, 30th Jul 2015, on track, edge of Coed Bedw. **Herb RDR no. 2015.029**.
- *075/08.09.216. **Rubus hibernicus**. Forestry tracks, Coed Bryndansi, SH857 741, R.D. Randall, 29th Jul 2015, Coed Bryndansi. **Herb RDR no. 2015.027**
- *075/08.13.305. **Rubus britannicus**. Pandy Tudur, SH85890 64303, R.D. Randall, 28th Jul 2015, large patch by bridge in Pandy Tudur.
- *075/08.13.307. **Rubus conjugens**. Roadsides, Brynffanigl, SH908 752, R.D. Randall, 27th Jul 2015; (*) roadsides, Rhyd-y-foel, SH910 756, R.D. Randall, 27th Jul 2015.
- 094/2.1. **Radiola linoides** (Allseed) (Llin Gorhadog). Lake shore, Mynydd y Gyrt, SH9631 6991, D. Williams & M.O. Stead, 25th Oct 2015, 3rd VC record, 1st since 1970-86. Frequent on damp ground of NW shore of Llyn Bronllwm. In association with *Littorella uniflora*, *Ranunculus ?aquatilis* and *Lythrum portula*. Voucher specimen, **Herb DW**
- *‡103/1.03. **Geranium nodosum** (Knotted Crane's-bill) (Pig-yr-aran Glymog). Riverbank, Abergele, SH9472 7701, M.O. Stead & G. Lowden, det. D. Williams, 5th Aug 2015, bank of side stream near footpath.
- *116/04.Hid.p. **Symphytum 'Hidcote Pink'**. Riverbank, Pontfadog, SJ2361 3822, Jonathan Shanklin, 7th Apr 2015, 5m patch on road verge by river with red/pink/cream flowers.
- *‡123/JAS.nud. **Jasminum nudiflorum** (Winter Jasmine) (Jasmin y Gaeaf). Waste ground, Parc Gafaeliau, SJ17 44, Denbs Group (D. Williams), 16th Aug 2015, proliferating in wild area by hedge.
- *‡131/6.tat. **Lonicera tatarica** (Tartarian Honeysuckle) (Gwyddfid y Tartar). Nyth-y-dryw, SJ238 424, J.B. Formstone, 17th Apr 2015, red Flowers. Sun Bank. Photo confirmation.
- *‡131/WEI.flo. **Weigela florida** (Weigelia) (Weigela). Roadside, Rhyd-y-ceirw, SJ22 56, Denbs Group (D. Williams), 6th Sep 2015, tall bush on roadside, away from habitation.
- *‡151/2.4. **Luzula luzuloides** (White Wood-rush) (Coedfrwynen Wen). Roadside bank, Cyffylliog, SJ0643 5733, M.O. Stead, det. G.M. Kay, conf. G.M. Kay, 29th Jun 2015, east roadside bank. **Herb DW**

- *153/14.1. **Vulpia fasciculata** (Dune Fescue) (Peisgwellt y Twyni). Urban, Foryd, SH9941 8039, M.O. Stead, det. W.N. McCarthy, 25th May 2015, east side of cycleway alongside boatyard.
- ‡153/17.3© **Briza maxima** (Greater Quaking-grass) (Crydwellt Mawr). Paths and kerbsides, Abergele, SH941 773, N.J. Osley, 6th Jun 2015, locally frequent, escaping from gardens in The Broadway and The Dale. Recent re-record.
- *153/28.4. **Avena sterilis** (Ceirchen Wylt y Gaeaf). Field margin, Knolton Bryn, SJ3599 4000, Jonathan Shanklin, 30th Jul 2015, one plant.
- *153/58.1 **Hordelymus europaeus** (Wood Barley) (Hordelymus europaeus - wood barley - heiddwellt y coed)). Old wood, Coed Mawr, SJ0720 6280, M.O. Stead & G. Lowden, det. Arthur Copping, conf. Arthur Copping. July 2015, 14th Nov 2014, on a grassy path through the wood. Confirmed Arthur Copping July 2015. **Herb DW**
- ‡153/62.1. **Cortaderia selloana** (Pampas-grass) (Peithwellt). Railway line, Ty Mawr Holiday Park, SH9610 7936, M.O. Stead, 26th Sep 2015, 2nd vc record, 1st since 2000. 17 clumps.
- *158/23.1. **Muscari neglectum** (Grape-hyacinth) (Clychau Dulas). Roadside bank, Bryneglwys, SJ14 47, Denbs Group (D. Williams), 1st Apr 2015, naturalised on bank by main road.
- *‡158/28.1. **Tristagma uniflorum** (Spring Starflower) (Sêr-flodyn y Gwanwyn). Roadside bank, Geufron, SJ2173 4225, P.L. Thomas, 24th Mar 2015, small clump c. 4 flowers on S facing bank below woodland, Wern Rd. No other 'hortals' seen in vicinity.
- *‡158/32.4. **Galanthus plicatus** (Pleated Snowdrop) (Eirlys Deilblyg). Hedgebank, Pant-yr-ochain, SJ346 539, J.B. Formstone, 21st Feb 2015, naturalised. Pikey Lane.
- *‡158/33.1×6. **Narcissus ×cyclazetta (N. tazetta × N. cyclamineus)** (Head-to-head Daffodil). Riverbank, Melin-y-Wig, SJ04P, Denbs Group (D. Williams), 29th Mar 2015, escaped & naturalised on riverside

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

- ‡R028/13.07. **Ranunculus parviflorus** (Small-flowered Buttercup) (Blodyn-y-menyn Mân-flodeuog). Cycle track and waste ground, River Clwyd, Rhyl, SJ0030 7982, Emily Meilleur, 23rd Apr 2015, not seen in county since 1869.
- +031/5.01. **Fumaria capreolata** (White Ramping-fumitory) (Mwg-y-ddaear Gwyn). Town & coastal promenade, Rhyl, SH999 809, Emily Meilleur, 23rd Apr 2015.
- +031/5.01.b. **Fumaria capreolata subsp. babingtonii**. Near pub, Cwm, SJ065 774, Emily Meilleur, Paul Green & Graeme Kay (BSBI Field meeting, Fumitory workshop), 17th May 2015.
- +031/5.03. **Fumaria bastardii** (Tall Ramping-fumitory) (Mwg-y-ddaear Grymus). Glan y Don, Mostyn, SJ167 797, Emily Meilleur & Paul Green, 16th May 2015;

- (+) Deeside Industrial Estate, SJ3201 7056, Martyn Stead, Graeme Kay & Heather Colls (BSBI Field meeting, Flintshire recording week), 15th Jul 2015.
- +031/5.03.hib. **Fumaria bastardii** var. **hibernica**. Patch on edge of pavement on side of A548, Rhyl, SJ0353 8243, Paul Green, 16th May 2015; (+) side of road, Rhyl, SJ0442 8264, Paul Green, 17th May 2015.
- ⊖031/5.06. **Fumaria purpurea** (Purple Ramping-fumitory) (Mwg-y-ddaeir Glasgoch). Lane, Cwm, SJ064 771, Emily Meilleur (BSBI Field meeting, Fumitory workshop), 17th May 2015, not recorded in tetrad since 1970; (⊖) road bank, Rhuallt, SJ076 745, Paul Green, 17th May 2015; (⊖) patch on edge of pavement on side of A548, Rhyl, SJ035 824, Paul Green, 16th May 2015.
- †043/1.13. **Chenopodium ficifolium** (Fig-leaved Goosefoot) (Troed-yr-wydd Dail Ffigys). Deeside Industrial Estate, SJ3211 7067, Martyn Stead, Graeme Kay & Heather Colls (BSBI Field meeting, Flintshire recording week), 15th Jul 2015.
- 046/10.1. **Sagina nodosa** (Knotted Pearlwort) (Corwlyddyn Clymog). Patches on coal spoil tip, Whelston, SJ2139 7619, Jonathan Shanklin, 9th Oct 2015.
- +062/40.1. **Rapistrum rugosum** (Bastard Cabbage) (Bresychen Ddeilgrech). Deeside Industrial Estate, SJ307 718, Emily Meilleur, Graeme Kay & Jennifer Towill (BSBI Field meeting, Flintshire recording week), 15th Jul 2015; (+) Deeside Industrial Estate, SJ3231 7091, Martyn Stead, Graeme Kay & Heather Colls (BSBI Field meeting, Flintshire recording week), 15th Jul 2015.
- *‡075/08.0.11. **Rubus cockburnianus** (White-stemmed Bramble) (Miaren Goeswen). Suckering patch in derelict grounds of village hall, Bagillt, SJ2229 7511, Jonathan Shanklin, 9th Oct 2015.
- +075/08.01.012. **Rubus accrescens**. Lane between Tir-y-coed and Nercwys Forest access land, SJ21603 59263, Gail Quartly-Bishop, Alastair Stevenson, Emily Meilleur, Martyn Stead & John Palmer (BSBI Field meeting, Bramble workshop), det. David Earl & Rob Randall, 19th Jul 2015.
- *075/08.02.051. **Rubus errabundus**. Wepre Park, SJ29120 67852, Gail Quartly-Bishop, Emily Meilleur, John Palmer, Alastair Stevenson & Martyn Stead (BSBI Field meeting, Bramble workshop), det. David Earl & Rob Randall, 17th Jul 2015.
- 075/08.03.090. **Rubus amplificatus**. Lane between Tir-y-coed and Nercwys Forest access land, SJ21639 59227, Gail Quartly-Bishop, Alastair Stevenson, Emily Meilleur, Martyn Stead & John Palmer (BSBI Field meeting, Bramble workshop), det. David Earl & Rob Randall, 19th Jul 2015, 2nd record in county.
- *075/08.03.120. **Rubus rhombifolius**. Moel Arthur and conifer plantation, SJ15007 66141, Gail Quartly-Bishop, Emily Meilleur, John Palmer, Alastair Stevenson & Martyn Stead (BSBI Field meeting, Bramble workshop), det. David Earl & Rob Randall, 18th Jul 2015.
- +‡075/08.05.134. **Rubus armeniacus**. Babell Racecourse Mire and Common, SJ15994 74940, Gail Quartly-Bishop, Emily Meilleur, John Palmer, Alastair Stevenson & Martyn Stead (BSBI Field meeting, Bramble workshop), det. David Earl & Rob Randall, 18th Jul 2015.

- *075/08.06.161. **Rubus surrejanus**. Wepre Park, SJ29093 67851, Gail Quartly-Bishop, Emily Meilleur, John Palmer, Alastair Stevenson & Martyn Stead (BSBI Field meeting, Bramble workshop), det. David Earl & Rob Randall, 17th Jul 2015.
- *075/08.07.173. **Rubus mucronulatus**. Waun y Llyn Country Park, SJ28657 57734, Gail Quartly-Bishop, Alastair Stevenson, Emily Meilleur, Martyn Stead & John Palmer (BSBI Field meeting, Bramble workshop), det. David Earl & Rob Randall, 19th Jul 2015, new to Wales.
- *075/08.08.196. **Rubus newbouldii**. Babell Racecourse Mire and Common, SJ15883 74940, Gail Quartly-Bishop, Emily Meilleur, Martyn Stead, John Palmer & Alastair Stevenson (BSBI Field meeting, Bramble workshop), det. David Earl & Rob Randall, 18th Jul 2015, new to Wales.
- *075/08.09.210. **Rubus distractiformis**. Wepre Park, SJ28949 68027, Gail Quartly-Bishop, Emily Meilleur, John Palmer, Alastair Stevenson & Martyn Stead (BSBI Field meeting, Bramble workshop), det. David Earl & Rob Randall, 17th Jul 2015.
- *075/08.09.213. **Rubus effrenatus**. Waun y Llyn Country Park, SJ28 57, Gail Quartly-Bishop, Alastair Stevenson, Emily Meilleur, Martyn Stead & John Palmer (BSBI Field meeting, Bramble workshop), 19th Jul 2015.
- +075/08.09.221. **Rubus pascuorum**. Moel Arthur and conifer plantation, SJ15037 66094, Gail Quartly-Bishop, Emily Meilleur, John Palmer, Alastair Stevenson & Martyn Stead (BSBI Field meeting, Bramble workshop), det. David Earl & Rob Randall, 18th Jul 2015.
- *075/08.10.235. **Rubus fuscicaulis**. Lane between Tir-y-coed and Nercwys Forest access land, SJ21394 59275, Gail Quartly-Bishop, Alastair Stevenson, Emily Meilleur, Martyn Stead & John Palmer (BSBI Field meeting, Bramble workshop), det. David Earl & Rob Randall, 19th Jul 2015.
- +075/08.11.287. **Rubus semiglaber**. Coed Llangwyfan, SJ13981 67039, Gail Quartly-Bishop, Emily Meilleur, John Palmer, Alastair Stevenson & Martyn Stead (BSBI Field meeting, Bramble workshop), det. David Earl & Rob Randall, 18th Jul 2015; (+) Moel Arthur and conifer plantation, SJ1494 6595, Gail Quartly-Bishop, Emily Meilleur, John Palmer, Alastair Stevenson & Martyn Stead (BSBI Field meeting, Bramble workshop), det. David Earl & Rob Randall, 18th Jul 2015.
- *075/08.13.hin. **Rubus hindii**. Woodland at Nant Alyn opposite Ty Bont Caravan Park near Cilcain, SJ1842 6513, Gail Quartly-Bishop, Emily Meilleur, John Palmer, Alastair Stevenson & Martyn Stead (BSBI Field meeting, Bramble workshop), det. David Earl & Rob Randall, 18th Jul 2015.
- +107/30.1. **Sison amomum** (Stone Parsley) (Perllys y Cerrig). Hedge side, Clay Hill, SJ3180 6723, Jonathan Shanklin, 24th Jul 2015, 2nd hectad record since 1970.
- +120/1.ham.agg. **Callitriche hamulata**. Recorded as sensu lato, Deeside Industrial Estate, SJ32 70, Martyn Stead, Graeme Kay & Heather Colls (BSBI Field meeting, Flintshire recording week), 15th Jul 2015.
- +145/1.1. **Zannichellia palustris** (Horned Pondweed) (Llynwlyddyn Corniog). Ysceifiog Lake, SJ146 716, Ewan Shilland & Simon Turner, 7th Sep 2015, collected during NRW Aquatic Plant survey programme 2015. See NRW Evidence Report 145. Rare Full-Grown.

- ¶152/16.13. **Carex divisa** (Divided Sedge) (Hesgen Ranedig). Frequent along footpath, Prestatyn Fields, SJ0608 8274, Emily Meilleur, Graeme Kay, Heather Colls & Martyn Stead (BSBI Field meeting, Flintshire recording week), det. Graeme Kay, 13th Jul 2015, 1st record since un-confirmed 1962.
- *153/46.1. **Polygonum monspeliensis** (Annual Beard-grass) (Barfwellt Unflwydd). Deeside Industrial Estate, SJ309 720, Emily Meilleur, Graeme Kay & Jennifer Towill (BSBI Field meeting, Flintshire recording week), 15th Jul 2015; (*) Deeside Industrial Estate, SJ3231 7091, Martyn Stead, Graeme Kay & Heather Colls (BSBI Field meeting, Flintshire recording week), 15th Jul 2015.
- +‡153/46.2. **Polygonum viridis** (Water Bent) (Barfwellt y Dŵr). Waste ground, Rhyl, SJ005 814, Paul Green, 17th May 2015; (+) around edge of car park by station, Rhyl Station, SJ008 811, Paul Green, 16th May 2015; (+) Deeside Industrial Estate, SJ3268 7143, Martyn Stead, Graeme Kay & Heather Colls (BSBI Field meeting, Flintshire recording week), 15th Jul 2015.
- +‡153/52.5. **Anisantha madritensis** (Compact Brome) (Pawrwellt Cryno). Patch on small area of rough ground, Rhyl, SJ038 824, Paul Green, 16th May 2015

ANGLESEY, v.c.52 (comm. N.H. Brown & I.R. Bonner)

- 014/3.1. **Oreopteris limbosperma** (Lemon-scented Fern) (Rhedyneir Bêr y Mynydd). Wet heath, Yr Arwydd, SH473 857, Ian Bonner & Hugh Knott, 28th Aug 2015, 3 clumps at junction of Molinia mire with bracken and gorse. 3 more nearby 1 plant on opposite side in a strip of Molinia mire (Also a single clump on the edge of a ditch bordering wet heath in the adjacent monad, SH4786). Not seen in either locality since the mid 1970's.
- *‡028/09.2. **Anemone apennina** (Blue Anemone) (Blodyn-y-gwynt Glas). Woodland, Menai Bridge, SH555 719, Hugh Knott, 20th Apr 2015, clumps totalling c.10m across, Coed Marquis. 1st VCR.
- *047/8.13×14. **Rumex ×schulzei**. Damp grassland, Red Wharf Bay, SH56 80, Geoffrey Kitchener, 14th Sep 2015, by coast path, edge of sand dunes. With both parents.
- *047/8.13×15. **Rumex ×sagorskii**. Hedgerow, Nant Bychan, Moelfre, SH5157 8534, Geoffrey Kitchener, 19th Sep 2015, with both parents.
- +051/1.06×07. **Hypericum ×desetangsii** (Des Etangs' St John's-wort) (Eurinllys Des Etangs). Bodorgan Station (SH3870), SH3865 7035, Anglesey Flora Group, 16th Jul 2015, road verge. New 10km record. Conf. Norman Robson who commented that it appeared to be nothosubsp. carinthiacum, **Herb IRB**
- *073/1.1. **Crassula tillaea** (Mossy Stonecrop) (Corchwyn Mwsoglog). Waste ground, Rhosneigr (SH3273), SH3206 7356, Anglesey Flora Group, 9th Jun 2015, stony waste area used as car park with *Aphanes arvensis*. 1st VCR.
- +107/20.1. **Aethusa cynapium** (Fool's Parsley) (Geuberllys). Parys Mountain (S edge), SH44 89, Ian Bonner & Hugh Knott, 9th Jul 2015, 1-2 plants, on recently disturbed soil.

- †117/1.1. **Verbena officinalis** (Vervain) (Y Ferfain). Clegir Mawr (SH3777), SH3743 7769, Ian Bonner, Debbie Evans & James Robertson, 30th Jul 2015, 3 clumps on both sides of the lane, near entrance to former waste disposal site. 2nd VCR.
- †118/06.3. **Galeopsis speciosa** (Large-flowered Hemp-nettle) (Y Benboeth Amryliw). Disturbed ground, Llangristiolus (SH4373), SH435 735, Nigel Brown, 3rd Aug 2015, on spoil from pond excavation, last record in 1986 when area regularly cultivated.
- ⊗†124/09.1. **Misopates orontium** (Weasel's-snout) (Y Trwyn-y-llo Lleiaf). Resown field, Penysarn, SH446 899, Ian Bonner & Hugh Knott, 9th Jul 2015, single plant in flower in resown field. First record for SH48 since 1813 when noted by Revd. Hugh Davies at Llysdulas (SH4889).
- *‡129/1.4. **Campanula persicifolia** (Peach-leaved Bellflower) (Clychlys Meinddail). Parys Mountain, SH4496 9026, Ian Bonner & Hugh Knott, 9th Jul 2015, single plant in flower by track over causeway. 1st VCR, **Herb IRB**
- *129/8.ped. **Pratia pedunculata**. Mown verge, Rhosneigr, SH319 729, Anglesey Flora Group, det. I.R. Bonner 20th July from pictures on internet, 9th Jun 2015, 1st VCR; damp lawn, Llanfair Pwll (part) (SH5271), SH527 719, Jane & Ivor Rees, 20th Jul 2015, damp lawn, with *Anagallis tenella*, not knowingly introduced by Ken Lewis (owner) 2nd VCR.
- *‡135/40.3. **Solidago canadensis** (Canadian Goldenrod) (Eurwialen Canada). Road verge, Caergeiliog, SH3140 7821, Debbie Evans, 15th Jul 2014, established on verge. 1st VCR.
- +‡135/73.1.© **Calendula officinalis** (Pot Marigold) (Melyn Mair). Pen-Llyn, SH35 82, Debbie Evans, 24th Jun 2014, on verge, away from houses.
- +135/81.2. **Bidens tripartita** (Trifid Bur-marigold) (Graban Teiran). Streamside, Llanfwrog, SH2927 8494, Ian Bonner & Hugh Knott, 11th Aug 2015, streamside and disturbed field edge.
- +152/16.27. **Carex pseudocyperus** (Cyperus Sedge) (Hesgen Gynffonnog). Reedbed, Rhoscolyn Reedbed, SH2745 7541, Sam Bosanquet & Lucia Ruffino, 18th Aug 2015, clump c.1x1m.diam. with 20+ fruiting stems.
- +162/03.dun. **Epipactis dunensis** [**E. muelleri** var. **dunensis**]. Trackside, Llanbedrgoch, SH495 804, Anglesey Flora Group, 10th Oct 2015, 2 flower spikes and several non-flowering shoots, by track from car park NW to Pen-llyn

Inside back cover photos:

3: *Muscari comosum* (Tassel Hyacinth) found in dry dune grassland at the East 4 Range at MOD Pendine during the BSBI Glynhir Recording Week, 21st June 2015, the second vice-county record. See page 40. Photo Richard Pryce.

4: *Lycium chinense* (Chinese Teaplant) discovered during a meeting of the Llanelli Naturalists growing from the top of a stone boundary wall in a backlane in Llanelli on 13th September 2015. See page 33. Photo: Richard Pryce.

5: *Gentianella amarella* (Autumn Gentian) growing in the disused Carboniferous Limestone Quarry at Crwbin, threatened by plans to reopen the quarry. The species was first discovered here in 2009 by Stephen and Ann Coker and 20-25,000 plants were found by Richard & Kath Pryce in September 2015. See page 33. Photo taken by Stephen Coker on 27th August 2010.

Back cover photos:

6 & 7: *Clematis tangutica* (Orange-peel Clematis), three well established, self-sown plants in the disused Carboniferous Limestone Quarry at Crwbin, threatened by plans to reopen the quarry. Found by Richard & Kath Pryce on 19th September 2015. See page 31. Photo Richard Pryce.

8: *Taraxacum prionum* (Saw-leaved Dandelion) found at two sites at Pendine on 10th March 2015 by Barry Stewart and Richard Pryce and determined by John Richards in December 2015. Quoting Dudman & Richards, the plant is "*Uncommon: a few scattered records from England, Wales and southern Scotland*". The only other Welsh record held on the DDb is from Pontsticill, Brecs. See page 37. Photo: Richard Pryce.



