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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.


2: *Fumaria bastardii* var.*bastardii* (left) and *F.muralis ssp. boraei* (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.


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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.
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.


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

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


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


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 Ogmore-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 desetangii, Lycopodium clavatum, Pyrola minor, etc.

- My list of species of interest included Asplenium obovatum, Blysmus rufus, Carex oederi subsp. oederi, Erophiila 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 capillus-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 synched 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 1\textsuperscript{st} March in snow and ending on the 10\textsuperscript{th} 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 \textit{Radiola linoides}, \textit{Hordelymus europaeus} and several new \textit{Rubus}.
• Three day Atlas Recording meeting with visiting botanists 28 – 30\textsuperscript{th} 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:
• \textit{Ranunculus parviflorus} found at Rhyl.
• \textit{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**


Vice-County Census Catalogue: BSBI 2003

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, Clarbeston Road, Haverfordwest, Pembs, 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

BRECON, v.c.42; Mr M. Porter, Aberhoywy Farm, Cyffredyn Lane, Llangynidr, near Crickhowell, Powys NP8 1LR. 01874 730354; mikechris1@btinternet.com & Dr J.R. Crellin; jrc@crellin.org.uk (all correspondence to Mr Porter).

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

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

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

CARDIGAN, v.c.46; Mr A.O. Chater, Windover, Penyraglang, Aberystwyth, Ceredigion SY23 1BJ. 01970 617409; aochater@nildram.co.uk & Mr S.P. Chambers (all correspondence to Mr Chater).

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).

MERIONETH, v.c.48; Mrs S.E. Stille, 38 Foregate, Fulwood, Preston, PR2 8LA; mossysal@btinternet.com.

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

DENBIGH, v.c.50; Mrs D. Williams, Bryn Siriol, Graigfechan, Ruthin, Denbighshire, LL15 2HA. 01824 702196; delyth@siriolbryn.co.uk.
FLINT, v.c.51; Ms E. Meilleur, 1 Fron Goch, Llanberis, Gwynedd, LL55 4LE. 01286 870173; emilytheameilleur@gwynedd.gov.uk or emilytmei11@gmail.com.

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)
+41-4-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) (Marchrawnyn 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) (Rhedywnen Gyfrdwy). Bottom of drained reservoir, nr. Cwmynyscoy, ST276 991, E. Wood & A. Wood, 3rd Oct 2015, 8 large plants - first record in this hectad since declared extinct in the county.
+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.
+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.
+†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 Ochrwyth, ST22 88, E. Wood & A. Wood, 4th Jun 2015, first record since 1924 - several patches scattered through the woodland.
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+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).


+†062/30.5. **Lepidium ruderale** (Narrow-leaved Pepperwort) (Pupurlys Culddail). Roadside verge, Raglan, SO420 081, E. Wood, S. Tyler & P. Green, 11th Jun 2015.


+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.


+075/21.18. **Rosa rubiginosa** (Sweet-briar) (Drysïen Bêr). Disturbed ground, along pipeline, Cefn Llogell, ST26 84, E. Wood & S. Tyler, 17th Jun 2015.

+077/15.12. **Lathyrus nissolia** (Grass Vetchling) (Ytbsen 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.


+†107/10.1. **Smyrnium olusatrum** (Alexanders) (Dulys). Roadside, Penallt, SO52 08, S. Tyler, 24th Apr 2015, 1 plant at top of Lone lane.


Clinopodium acinos (Basil Thyme) (Brenhínlys 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.


Parentucellia viscosa (Yellow Bartsia) (Gorudd Melyn). Disturbed ground by coastal path, Chepstow, ST538 924, J. Hodgson, 5th Jul 2015, 5 flowering spikes.

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.


Pratia pedunculata. Lawn, Penallt, SO50 08, S. Tyler, 2015; (+) lawn, Penallt, SO52 10, S. Tyler, 2014.


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.

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.


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.


+‡153/38.2. **Phalaris aquatica** (Bulbous Canary-grass) (Pefrwellt Goddfog). Riverbank, Risca, ST24 89, E. Wood & A. Wood, 18th Aug 2015, covering over 200m along the bank.


+‡153/52.1. **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) (Cledlys 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.


+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 praetemissa var. junialis**. Wet area in quarry, Cwmynyscoy quarry, Sebastopol, ST28 99, E. Wood & S. Tyler, 27th Jun 2015, about 40 flowering spikes.

+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 Ty). Glyn Neath, Aberpergwm, SN86 05, Charles and Hilary Hipkin, 14th May 2015, established on rocky debris at side of River Neath.


+017/3.08. *Dryopteris carthusiana* (Narrow Buckler-fern) (Marchredynen Gul). Pantyffordd, Onllwyn, SN83 10, Charles and Hilary Hipkin, 8th Jun 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-wydd Coch). SS9773 1km square SE of Llysworney, SS97 73, Rob & Linda Nottage, 7th Aug 2015.


+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.


+051/1.06×07. *Hypericum ×desetangsi* (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.** Llancafan, ST0515 7018, Paul Green, 16th Mar 2015, lots along path in churchyard.


+062/22.3. **Erophila glabrescens** (Glabrous Whitlowgrass) (Llysiau’r-bystwn Llyfn). Bovehill, SS464 933, Barry Stewart, 16th Mar 2015, limestone outcrops; (+) Southgate, West Cliff, SS552 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). Morriston Crematorium, SS652 985, Barry Stewart, 8th May 2015, naturalised on several graves.

+‡074/08.1. **Tellima grandiflora** (Fringecups) (Clychau’r Clawdd). Glyncorrwg, 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.


+077/18.5 **Medicago arabica** (Spotted Medick) (Maglys Brith). Llantrisant Common, ST0445 8428, David Barden, 29th Jul 2015.


□077/19.06.‡ **Trifolium suffocatum** (Suffocated Clover) (Meillionen Fygedig). Ogmore 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.


+088/1.1. **Euonymus europaeus** (Spindle) (Piswydden). Glyncorrwg, 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) (Llysiau’r Ysgyfaint). Cwm Gwineu, Hafod, SS79 89, Charles and Hilary Hipkin, 17th Sep 2015.


+133/1.1.dun. **Valerianella locusta var. dunensis**. Nicholaston Burrows, SS52 87, Geoff Toone, 12th Apr 2015.


+135/28.01.4.‡ **Hieracium salticola** (Bluish-leaved Hawkweed). Glyncorrwg ponds, SS86 98, Charles and Hilary Hipkin, 5th Oct 2015, small population at side of Glyncorrwg bike path.

Anthemis austriaca (Austrian Chamomile). Crugau, Resolven, SN83 03, Charles and Hilary Hipkin, 27th May 2015, seeded verge near Resolven rugby/cricket ground.


Anthemis ×maculatum. Castle Rd, Burton, ST0371 6749, Paul Green, 28th Mar 2015, small clump on road verge with both parents.

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.

Scirpus sylvaticus (Wood Club-rush) (Clwbfrwynen Bengron). Resolven, SN82 03, Charles and Hilary Hipkin, 22nd May 2015.

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.

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.

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.

Carex canescens. Moel yr Hyrddod, SN85 00, Charles and Hilary Hipkin, 18th Aug 2015, in ditch at side of forestry clearfell area.


Polypogon viridis (Water Bent) (Barfwellt y Dŵr). Singleton Park, Swansea, SS629 922, Ian K. Morgan, 28th Jul 2015, one clump at path edge.


Hordeum secalinum (Meadow Barley) (Haidd y Maes). Hospital grounds, Llantrisant, ST0375 8397, David Barden, 7th Aug 2015.


Allium neapolitanum (Neapolitan Garlic) (garlleg Napoli). Swanbridge, ST1653 6761, Paul Green, 23rd Mar 2015, large patch on road verge.

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 Tynewydd, 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.


+162/20.3. **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)


+017/1.1. **Polystichum setiferum** (Soft Shield-fern) (Gwrychredynen Feddal). Usk Reservoir West, SN82J, Jo Parmenter, det. 19th Sep 2015.


+061/2.11×12. **Salix cinerea** × **S. aurita** = **S. ×multinervis**. Ystrad Fawr Community Centre, Penhos 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) (Llysiau’r-bystwn Llyfn). Brecon Beacons National Park Offices Car Park, SO05 28, John Crellin, 27th Mar 2015, confirmed by Dr T Elkinton, **Herb74**
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+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.


+‡075/28.07. 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.


+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.


+‡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.


*‡103/1.17. **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.


+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.


*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 Dwyr). 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.


+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.


*‡135/81.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**


+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). Builth 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.


+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.

**Radnorshire, v.c.43 / Carmarthen, v.c.44**


*153/32.1.b. **Deschampsia cespitosa var brevifolia**. 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 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.

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+‡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.


+‡028/12.3. Clematis tangutica (Orange-peel Clematis) (Barf-yr-hen-ŵr 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) (Arianlllys). 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.


+†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-.


+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.

Carmarthen, v.c.44


+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 hectar.


+‡062/33.2. **Diplotaxis muralis** (Annual Wall-rocket) (Roced-y-muriau’r Tywod). North shore of Usk Reservoir, SN8303 2908, Jo Parmenter, 19th Sep 2015.


*‡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) (Crydlys). 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.Iliff, K.A.& R.D.Pryce, 7th Jun 2015, also at SN 7476 3750.


+‡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
Welsh Plant Records 2015

0895, BSBI Meeting, 25th Jun 2015; (+) N shore of Usk Reservoir, SN82-29-, Jo Parmenter, 19th Sep 2015.


+‡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.


+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.


+‡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.


+110/2.2. **Lycium chinense** (Chinese Teaplenant) (Ysbeinwydden Tsieina). On top of stone-wall, Llanelli, SN5035 0055, Llanelli Naturalists field meeting, det.

+110/8.6. **Solanum dulcamara** (Bittersweet) (Elinog). N shore of Usk Reservoir, SN82- 29-, Jo Parmenter, 19th Sep 2015,


+‡116/12.2.© **Amsinckia micrantha** (Common Fiddleneck) (Amsincia). Hay meadow, Llanlash, Broadock, 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.


+‡‡124/16.21. **Veronica persica** (Common Field-speedwell) (Rhywddlwyn y Maes). North shore of Usk Reservoir, SN82- 29-, Jo Parmenter, 19th Sep 2015, first record for vc44 part of SN82 hectad.


+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.


+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
Welsh Plant Records 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
record, Herb NMW

+135/25.07.58 *Taraxacum cambricum* (Welsh Dandelion). Centre of rough
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,
2015, Herb NMW

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,
2015, Herb NMW; (+) short, acid grassland verge on north side of gravel-
surfaced forestry loading pad, Mynydd Penparc, SN5876 4259, R.D.Pryce &

+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

+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
A.J. Richards, Dec.2015, 4th Apr 2015, also on road verge near Maesllyn, Salem at
22/6/15 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,
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,

+135/25.08.85. *Taraxacum boekmanii* (Bokman's Dandelion). Roadside hedgebank,
Apr 2015, Herb NMW; (+) in acid grassland below veteran oak tree, National


*‡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.


+135/25.09.123 Taraxacum croceiflorum (Orange-flowered Dandelion). Rank unmanaged damp grassland, National Botanic Garden of Wales, Middleton,

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148/2.3. *Lemma 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.


151/1.06. *Juncus folius* (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.
Carmarthen, v.c.44

+151/2.3. **Luzula sylvatica** (Great Wood-rush) (Coedfrwynen Fawr). Bank of Afon Crychan, Cwm Crychan below Banc Cefngarreg, 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.


+152/16.32. **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.


+153/12.01. **Schedonorus pratensis** (Meadow Fescue) (Peiswellt). Hedgebank, Pantcoy - Pen-twyn, Cwrt-y-cadno, SN69-43-, Chris Cheffings & Guy Moss, 24th Jun 2015.


+†153/50.4×5. **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


+†153/52.3. **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.
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+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.


+162/20.3. **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)

+cl-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.


+‡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-ymenyn 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-ddaear 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, Aberdiddy, SM79783 31305, Stephen Evans & Ann E. Evans, 14th Jun 2015, on the Ammophila arenaria, sand topped black Ordovician slate hedgebank around the rear garden of Beach Cottage.

+031/5.03. **Fumaria bastardii var. bastardii** (Tall Ramping-fumitory) (Mwg-y-ddaear 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, Aberdiddy, SM79783 31305, Stephen Evans & Ann E. Evans, 14th Jun 2015, on the Ammophila arenaria, sand topped black Ordovician slate hedgebank around the rear garden of Beach Cottage.

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+‡047/1.07.© **Persicaria amplexicaulis** (Red Bistort) (Y Ganwraidd Goch). 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.

+‡047/1.07.© **Persicaria amplexicaulis** (Red Bistort) (Y Ganwraidd Goch). 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.

+‡047/1.07.© **Persicaria amplexicaulis** (Red Bistort) (Y Ganwraidd Goch). 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.
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+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.


+‡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.


+‡084/1.12 **Epilobium brunnescens** (New Zealand Willowherb) (Helyglys Seland Newydd). Track to Jordanston Mountain, Redberth, SM8870 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, SR8932 19749, 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-floodeuog). 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.

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.

Linaria purpurea (Purple Toadflax) (Llin-y-llyffant Porffor). West of West Farmhouse, Point Lane, Cosheston, SN0005- 0370-, Stephen Evans & Ann E. Evans, 10th Sep 2015, growing with Clinopodium ascendens at the toe of a rocky bank.

Campanula rotundifolia (Harebell) (Clychau’r Eos). N. side of minor tarred road W. of Blaen Dyfnant, Llanfrynach, 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.


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.

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.


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.

Anisantha madritensis (Compact Brome) (Pawrwellt Cryno). Hook, SM978 110, Michael Usher, 14th Jun 2015, growing beside the pavement near the cricket club.
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+‡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) (Ffynidwydden 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, SN727 579, S.P. Chambers, 30th May 2015, one plant, in new locality c. 300m downstream from historic site.

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.


+‡043/1.13. Chenopodium ficifolium (Fig-leaved Goosefoot) (Troed-yr-ŷwydd Dail Ffigys). Road verge, Pont Dyffryn, 250m SSW of Pontsaeson, SN542 629, A.O. Chater, 3rd 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.

+‡058/1.11. Tamarix gallica (Tamarisk) (Grugbren). Disturbed sandy slope at edge of dunes, Penyrrergyd, 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, Glanyrafon 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.


+‡074/08.1. **Tellima grandiflora** (Fringecups) (Clychau’r Clawdd). Roadside hedgebank, Pontgarreg, SN332 537, A.O. Chater, 23rd May 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.


+‡075/22.03. **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 Brieuc, Aberystwyth, SN587 811, S.P. Chambers, 18th Aug 2015, dominant component of 'wildflower' seed mix.


+‡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.


+‡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.


+124/16.06. *Veronica officinalis* (Heath Speedwell) (Rhywddllwyn 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.


†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.


‡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.


‡153/24.1. *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.
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+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.


+158/14.1.§ **Polygonatum multiflorum** (Solomon's-seal) (Llysiau-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.


*‡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.


+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.


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

□001/4.1. **Diphasiastrum alpinum** (Alpine Clubmoss) (Cnwp-fwsogl Alpaidd). Glaslyn, SN829 954, P. Foulkes & G. Foulkes, 26th Jul 2015, eNE of trig point on Foel Fadian at c.550m.
Montgomery, v.c.47

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). Llanrhaeadr-ym-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.


+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-ŷwdd 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-ŷwdd 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.


+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.


+051/1.09. **Hypericum tetrapertum** (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.


+062/23.5.‡ Cochlearia danica (Danish Scurvygrass) (Llwylys Denmarc). nr Llanfair Caereinion, SJ09 06, A.K. Thorne, 23rd Apr 2015, main road verge.


+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 road about near railway station.


+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 approx. 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),
Montgomery, v.c.47

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.


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.


118/22.1. Lycopus europaeus (Gypsywort) (Llysiau’r Sipsiwn). Llanerfyl (Hafod), SH98 07, Montgomeryshire Flora Group, 4th Aug 2015, along the River Gam banks.


‡124/16.23. Veronica filiformis (Slender Speedwell) (Rhwyddlwyn Main). Llanbrynmair (SE of), SH90 01, Montgomery Flora Group, 5th May 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.


**†135/28.07.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.


**†135/28.08.136.‡ Hieracium sublepioides** (Grey-bracted Hawkweed). Powis Castle, SJ216 064, G. Hanson, det. D. McCosh, 12th Jul 2014, under Yew tree, top of wooden steps.


+141/1.1. **Triglochin palustre** (Marsh Arrowgrass) (Saethbennig y Gors). Y Golfa, SJ176 072, S. Swindells, 11th Jun 2015, base-rich wet flush.


+152/16.73. **Carex pulicaris** (Flea Sedge) (Hesgen y Chwain). Y Golfa, 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 Golfa, 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.

+153/18.04. **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.


+153/30.1. **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)


†020/1.1. © **Abies alba** (European Silver-fir) (Ffynidwydden Arian). Planted forest edge, Coed Cwm Celli, SH71V, S.E. Stille, 26th Aug 2015.


*031/5.05.b.m **Fumaria muralis subsp. boroei var. major**. Traeth Glaslyn, SH53Z, BSBI field meeting, 12th Jul 2015.


075/17.1. *Sanguisorba officinalis* (Great Burnet) (Bwrned Mawr). Llandecwyn Station and coast, SH61 37, P.A. Stroh, 10th Jun 2015.

077/18.5† *Medicago arabica* (Spotted Medick) (Maglys Brith). Car park, Aberdyfi, SN609 960, E.J. McDonnel, C.M. Lovatt & G.S. Hall, 24th Jul 2015, in its only site in the VC, refound 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**


*†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.


+118/01.5×6. **Stachys ×ambigua** (Hybrid Woundwort) (Briwllys Croesryw). 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).


¤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.


+‡135/44.1. **Conyza canadensis** (Canadian Fleabane) (Amrhydlydwyd Canada). Waste ground, Pandy Capel, SJ08 50, S.E. Stille, 2nd Oct 2015.


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

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


+031/5.06. *Fumaria purpurea* (Purple Ramping-fumitory) (Mwg-y-ddaear 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-ŵydd 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.

+062/35.2. **Sinapis alba** (White Mustard) (Mwstard Gwyn). Disturbed road side, Capel y Graig, SH54 69, Paul Green, 14th May 2015.


+069/3.1. **Cyclamen hederifolium** (Sowbread) (Bara’r Hwch). Shaded bank by path, Penrhynside, SH81 81, Wendy McCarthy, 18th May 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.


+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.


+091/2.15. **Euphorbia cyparissias** (Cypress Spurge) (Llaethlys Cypreswydd). Pavement edge, 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.


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+‡135/11.2. **Centaurea montana** (Perennial Cornflower) (Y Benlas Luosflwydd). Hedgebank, Penisa’r Waun, SH55 64, Debbie Evans & Wendy McCarthy, 15th Jun 2015.


+‡135/62.03.© **Senecio inaequidens** (Narrow-leaved Ragwort) (Creulys Gulddail). Slate chippings at roadside, Penygroes, SH47 52, Wendy McCarthy, 5th Apr 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.


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

*031/5.06. **Fumaria purpurea** (Purple Ramping-fumitory) (Mwg-y-ddaear Glasgoch). Urban, Kinmel 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


*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. ×taschereai** (Taschereau's Orache) (Llygwyn Taschereau). Shoreline, Kinmel Bay, SH9849 8057, M.O. Stead, conf. J. Akeroyd, 26th Sep 2015, Herb DW
Denbigh, v.c.50

*‡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.


*075/08.09.216. **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.


*‡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.


*‡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**
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*153/28.4. **Avena sterilis** (Ceirchen Wyllt y Gaeaf). Field margin, Knolton Bryn, SJ3599 4000, Jonathan Shanklin, 30th Jul 2015, one plant.


*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.


*‡158/33.1×6. **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-ymenyn 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-ddaear Glasgoch). Lane, Cwm, SJ064 771, Emily Meilleur (BSBI Field meeting, Fumitory workshop), 17th May 2015, not recorded in tetrad since 1970; (¤) road bank, Rhualtt, 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.


+062/40.1. **Rapistrum rugosum** (Bastard Cabbage) (Bresychen Ddeilgrech). Deeside Industrial Estate, SJ307 718, Emily Meilleur, Graeame 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.


+075/08.01.012. **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.


075/08.03.090. **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.
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*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.


*075/08.10.235. 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, 18th Jul 2015.


+120/1.ham.agg. Callitriche hamulata. Recorded as sensu lato, Deeside Industrial Estate, SJ3270, Martyn Stead, Graeme Kay & Heather Colls (BSBI Field meeting, Flintshire recording week), 15th Jul 2015.

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.

Polypogon 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.

Polypogon 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.

Anisantha madritensis (Compact Brome) (Pawrwellt Cryno). Patch on small area of rough ground, Rhyl, SJ038 824, Paul Green, 16th May 2015

Oreopteris limbosperma (Lemon-scented Fern) (Rhedynen 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.

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.

Rumex ×schulzei. Damp grassland, Red Wharf Bay, SH56 80, Geoffrey Kitchener, 14th Sep 2015, by coast path, edge of sand dunes. With both parents.

Rumex ×sagorskii. Hedgerow, Nant Bychan, Moelfre, SH5157 8534, Geoffrey Kitchener, 19th Sep 2015, with both parents.

Hypericum ×desetangsii (Des Etangs' St John's-wort) (Eurinlllys 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

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.

Aethusa cynapium (Fool's Parsley) (Geuberlllys). 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.


135/40.3. *Solidago canadensis* (Canadian Goldenrod) (Eurwialen Canada). Road verge, Caergeiliog, SH3140 7821, Debbie Evans, 15th Jul 2014, established on verge. 1st VCR.


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, Llanbedrogch, 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, Brecons. See page 37. Photo: Richard Pryce.