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Image 3: On a Pembrokeshire Farm, extraction of 20 year old willow trees for sale to river restoration projects has restored some open areas on former ‘moors’, here benefiting Common Centaury (Centaurium erythraea) and the hairy form of Marsh Speedwell (Veronica scutellata var. villosa). © Matt Sutton. See article page 5.

Image 4: Stellaria pallida (Lesser Chickweed), London Road, Pembroke Dock. © Paul R. Green. See article starting on page 11.

Items for inclusion in the next Welsh Bulletin should be sent to Richard Pryce by 1 Dec 2018: Pryceeco@aol.co.uk

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See www.bsbi.org.uk/wales.html for back issues. Printed versions of some back issues are still available on request @ £2.50 per issue; please contact Sally Whyman or Katherine Slade. Cheques are payable to BSBI (the BSBI Wales bank account has now closed). Future issues are available to BSBI members living outside of Wales by sending £2.50 in advance.
It is now 7 months (I only managed 9 months, see last paragraph) since I have been back as the BSBI Welsh Officer. On my days off, I do like to try and go out recording to help out with Atlas 2020. I always look at the Distribution Database (Ddb) before I head out, to see what species haven’t been recorded since 1999 for the hectad I’m going to visit. Normally, it is the rarer species, or species that are harder to identify that haven’t been recorded. Occasionally, there can be a common species which needs to be refound. In one instance, it was *Lathyrus pratensis* (Meadow Vetchling)…it was fun to think that a species, I expect to see nearly every time I am out recording, still needed to be updated to post 2000 for a hectad.

Other species can be much more of a challenge to find! One of these was *Prunus cerasus* (Dwarf Cherry) (see image 2, page 2), with many hectads still needing a post 2000 record in Wales. After I had realised this, each time I went out and did some recording in late April, I always saw Dwarf Cherry in a hedgerow, partly because it was in full flower. It is a small tree that is extremely easy to overlook after the flowering period.

Despite the spring being wet and cold much of the time, and the flowering season being a good 3 weeks late or even more, the three early meetings I lead had exceptionally good weather. On the coast at Freshwater West on 25th March, it was more like a treasure hunt trying to find any plant flowering. A month later, on the *Viola* workshop at Port-Eynon, it felt that spring had truly arrived, as it was a warm sunny day and many species were flowering. Only 4 species of Violet could be found. *Viola odorata* (Sweet Violet) had actually finished flowering, while the other three species seen were just coming into their best. The third walk was at Mwnt on the Cardiganshire coast on 3rd May. The flowering season was still late and many species I would have expected to be in flower, had not yet started. There were many uncommon species, such as *Moenchia erecta* (Upright Chickweed) and *Sagina subulata* (Heath Pearlwort) (see front cover image) on the steep rocky slopes, where both were abundant and in full flower.

On the 17th May, I ran a willow workshop at Llanelli Wetland Centre, where 17 BSBI members joined me from as far away as Devon and Oxfordshire. The morning was spent looking at specimens of willows I had gathered and, in the afternoon, a walk was taken around the reserve to look at the many willow species recorded from the site.

For personal reasons I decided to step down as Welsh Officer in mid-June. Not a decision I took lightly!
**Fumaria reuteri** Boiss., Martin’s Ramping-fumitory, new to Wales

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On 13 January 2018, FW posted a *Fumaria* picture taken at Morganstown allotments, Cardiff (v.c. 41) on the ‘Wild flowers of Britain and Ireland’ Facebook page. Noting the deep pink flowers with nearly entire sepals, TR suspected it might be *F. reuteri*, which would be new to Wales. On 17 January 2018, FW showed TR the plants and he was able to confirm that they are indeed *F. reuteri*. There were a few plants along a communal path.

*Fumaria reuteri* is now being found widely in Britain in ruderal habitats, probably due to the enhanced identification guidance in the *BSBI Fumitory Handbook* by Rose Murphy (2009). Key field features are the large 11-13 mm long, deep pink flowers with nearly entire sepals; such plants should be collected for verification as *F. reuteri* could occur elsewhere in Wales. The strongly 3-lobed stigma is a good confirmatory character under the microscope.

**Botanical comings and goings on a Pembrokeshire farm, 1999 – 2018**

M.D. SUTTON, www.wyndrushwild.co.uk

Almost 20 years ago, I was a Phase II Grassland surveyor for CCW in Pembrokeshire. Together with colleague Dan Guest, we spent three June days surveying a series of fields around Wyndrush Farm, near Redberth in the south of the county. Two things stood out for me at the time. This wasn’t the usual grassland site - a slope too steep to plough, or a damp field at the far end of the holding – the whole farm was almost unscathed. It was positively leaping with insects and birds as a result. The owner made an impression on me too. Once the local blacksmith, he was only days away from dying and, as I stood with him and his wife in his spartan kitchen, he was most concerned about what was going to happen to his cows. I was later told that he never bought a bag of fertiliser in his life, and he had clearly farmed traditionally – making hay, maintaining hedges, letting the hunt run over his ‘moors’.

Our 1999 NVC survey concluded that ‘Wyndrush Pastures’ was ‘of at least moderate to high conservation value for its fairly extensive and intergrading..."
mixtures of dry neutral grassland (MG5a), rush *Juncus* and Purple Moor-grass *Molinia* pasture (M23a, M24 and M25), and tall herb fen (M27 and M28). The somewhat under-managed stands of MG5a in the central enclosures were considered of particular interest, together with the little modified patchwork of M23a and M24b/c in the lower field to the north of these. No particularly rare plants were found – Petty Whin (*Genista anglica*), Dyer’s Greenweed (*G. tinctoria*) and Southern Marsh-orchid (*Dactylorhiza praetermissa*) were the most significant finds. Creeping Willow (*Salix repens*), Whorled Caraway (*Carum verticillatum*) and Saw-wort (*Serratula tinctoria*) were noted in the *Molinia* pasture, but the Wavy St. John’s-wort (*Hypericum undulatum*) and Pale Sedge (*Carex pallescens*) were overlooked. A few clumps of Diffuse Rush (*Juncus x diffusus*) were found in tall marshy grassland, where they persist to this day.

Over the next few years, the site was bought by a farmer known locally as ‘Green-grass’, notified as a SSSI by an organisation still prepared to act quickly when necessary, then given to me to ‘manage’ as a newly appointed Conservation Officer. How I eventually came to own (or rather, be owned by) 87 acres in 2006 and start managing for real is another tale. From a botanical perspective, the most significant occurrence during the tenure of ‘Green-grass’ was a brief-period of heavy grazing which churned up the top fields, and a somewhat insensitive approach to fencing which cleared a swathe of young trees and caused some rutting of wet ground. The latter brought to light a seed-bank of Three-lobed Crowfoot (*Ranunculus tripartitus*), at locations where historical access routes were apparent – the old Tenby road in horse-drawn days, a gap in the boundary bank which may have been used by the hunt, and an old gateway between fields. Up to 20 plants flowered for the first year or two, but subsequent cattle-grazing proved insufficient to maintain the plant above ground, and ten years later it (hopefully) returned to the seed-bank once more.

My first years as a farmer went by in a frenzy of activity – I was still with CCW, so all spare time was taken with building, cattle management, beekeeping and hay-making amongst other things. There wasn’t a lot of time for thorough botany. Others contributed records on occasional visits – the Cokers’ diligent searching unveiled the small population of Adder’s-tongue (*Ophioglossum vulgatum*) in one field; Stephen Evans picked out the Early Marsh-orchid (*Dactylorhiza incarnata*) from the Southern (*D. pratermissa*), and Arthur Chater added a form of Hedge Bindweed (*Calystegia sepium*) intermediate between ssp. *sepium* and ssp. *roseata*. I noticed the one or two plants of Quaking-grass (*Briza media*) disappear from the hay meadow, but wasn’t about to get a lime-spreader in. Two other mild calcicoles – Downy Oat-grass (*Avenula pubescens*) and Yellow Oat-grass (*Trisetum flavescens*) – are still in the meadows, but there is an evident trend from MG5a to the more calcifugous
sub-community, MG5c, as Betony (*Betonica officinalis*), Devil’s-bit Scabious (*Succisa pratensis*), Tormentil (*Potentilla erecta*) and Heath-grass (*Danthonia decumbens*) slowly move out from the more steeply-sloping field corner where they had generally been confined too. In the old ‘moors’, Petty Whin was down to a single plant by 2007, and scrub clearance in the glade around it failed to stop it from disappearing. The Dyer’s Greenweed lasted longer, but the few flowers proved attractive to slugs, and the last plant was apparently trampled by a cow in 2016.

Alongside such departures, I began to notice new plants. I finally got around to compiling a spreadsheet in 2013 and have updated it with new finds each year. Some of these had clearly been overlooked – the one poor specimen of Rowan (*Sorbus aucuparia*) in a hedge; a single Small-flowered Sweet-briar (*Rosa micrantha*) under streamside willow; Slender Club-rush (*Isolepis cernua*) in the perhaps somewhat unusual habitat of boggy woodland rides; the hybrid polypody (*Polypodium x mantoniae*) and Knotgrass (*Polygonum*) collections determined by Arthur. But others were apparent arrivals. Broad-leaved Pondweed (*Potamogeton natans*) and Various-leaved Water-starwort (*Callitriche platycarpa*) colonised a newly dug pond, no doubt bird dispersed. Northern Yellow-cress (*Rorippa islandica*) appeared on the yard in 2010, confirmed by Julian Woodman on his visit. Its spread in Pembrokeshire has now started to follow the pattern in Carmarthenshire where it has colonised disturbed anthropogenic habitats (Pryce and Pryce, 2011). The population around the wood-piles and solar panels reached some 20 plants before declining to a single plant last year; 3 plants were found in a new location on trackside limestone chippings. An Eyebright (*Euphrasia arctica ssp. borealis*) appeared in the meadows around 2008, and rapidly spread in one of them after close mowing. Squirreltail Fescue (*Vulpia bromoides*) appeared in 2015, under a newly built straw bale wall – most bales were of barley grown from Russian seed at a farm near Martletwy. It was found to be curiously abundant in the adjoining hay meadow the following year, and then almost disappeared the year after. Corn Spurrey (*Spergula arvensis*) appeared in the field where cattle are out-wintered – possibly from the seed-bank but perhaps arriving with straw from Marloes where it is abundant. Two other plants have arrived with imports of less typical materials. Sea Radish *Raphanus raphanistrum ssp. maritimus* came in with cut material from nearby Penally, accepted to assist the contractor and used as a mulch. A couple of plants of Lesser Water-parsnip (*Berula erecta*) have appeared in a shallow ditch behind a new barn. Prior to building this, I’d stored bundles of reed here, cut from Ritec Fen a couple of miles away where the plant is locally frequent.

Devil’s-bit Scabious was given a helping hand – although present in the dry grassland at the edge of the main *Molinia* pasture, it was curiously absent from
within it. Seed from Jeffreyston Pastures SSSI, 1km away, was broadcast and some three years later, this resulted in scattered patches of flowering plants which have slowly spread. My only other intentional introduction away from the vegetable garden has been English Stonecrop (*Sedum anglicum*) – again from Marloes - to kick-start a new green-roofed barn. Our meadow seed business has, however, begun to inadvertently introduce species around the barns where we process harvests. Wild Carrot (*Daucus carota*), Smooth Tare (*Vicia tetrasperma*) and Corn Marigold (*Glebionis segetum*) are recent additions, all being present in the coastal field at Marloes which we harvest periodically. The Corn Marigold was a stunted specimen, flowering on the edge of the yard in January and February this year but succumbing to the March snows before seeding. This ‘blink-and-you’d-miss-it’ element of the flora is one that I’d hitherto failed to appreciate. As a NVC surveyor, or perhaps an Atlas recorder, we get used to taking ‘snapshots’ of a site, leading one to assume that the flora of a site is relatively static. Many casual or transient species will inevitably be overlooked, and the origins of introductions are rarely apparent. As well as the Corn Marigold, 17 other species have been and gone in the last decade, all of them associated with quarry materials, cultivation of vegetable beds or other activities of mine: Traveller’s-joy (*Clematis vitalba*), Pale Flax (*Linum bienne*), Tree Mallow (*Malva arborea*), Buck’s-horn Plantain (*Plantago coronopus*), Himalayan Balsam (*Impatiens glandulifera*), Weld (*Reseda luteola*), Great Mullein (*Verbascum Thapsus*), Vervain (*Verbena officinalis*), New Zealand Willowherb (*Epilobium brunnescens*), Common Whitlowgrass (*Erophila verna*), Ploughman’s-spikenard (*Inula conyzae*), Two-rowed Barley (*Hordeum distichon*), Creeping x Marsh Thistle (*Cirsium x celakovskianum*), Mugwort (*Artemisia vulgaris*), Green Amaranth (*Amaranthus hybridus*), Niger (*Guizota abyssinica*) and Fox-and-cubs (*Pilosella aurantiaca*). The shortest lived of these were the Himalayan Balsam – a seedling of which was removed from the base of a second-hand polytunnel – and the Buck’s-horn Plantain, which grew from a pile of crushed sandstone being stored for green-roofing projects and disappeared when this was used. The most puzzling species on this list is the Ploughman’s Spikenard, a single plant of which adorned the turf roof of my first wood-store for a year. The turf was dug from the non-SSSI field where the cattle are out-wintered, but this is largely improved and a far cry from the usual calcicolous haunts of the species. Wind-blown seed from the south Pembrokeshire coast is one possibility, but arrival with limestone chippings used to surface the yard is perhaps more likely. This was definitely the source of the Whitlowgrass, Pale Flax, Weld, Great Mullein and Vervain at least. Whatever the origin, despite flowering and seeding, the plant was gone the following year and became one of 20 losses from the SSSI (5% of the flora, or 1 species per year) during my tenure. The apparent extinctions of more established and ‘significant species’ are limited to the Petty Whin and Dyer’s
Greenweed – Three-lobed Crowfoot hangs on in a neighbouring part of the SSSI. The addition of 70 taxa since 2013 takes the current site total to 400 (including naturalised plantings, hybrids and sub-species). The bryophyte total is now 190. I have yet to get to grips with Brambles (*Rubus*) or Dandelions (*Taraxacum*), and I suspect there are more hybrids lurking within Willowherbs (*Epilobium*) and other genera.

Locally an infrequent species away from the coast, Common Centaury (*Centaurium erythraea*) also looks set to disappear from the farm, with only single individuals found in the last two years. Seemingly gone from the hay meadow where I first found it, it now only appears in glades created within the secondary woodland. Going back fifty years, there was much more grassland here for such plants – aerial photos from 1969 show scrub-free *Molinia* pastures and meadows, and little tree cover aside from the ancient wooded slope noted by George Peterken on his visit. The small-holding around our current homestead was still inhabited by a small family then - a field being ploughed for kale, the hedges being tended, and a garden and orchard well maintained. Following the death of the husband, the wife and son departed for the north of the county in the early 1980s and the old house was abandoned. With the ageing blacksmith on the main farm holding struggling to keep things ‘tidy’, the willow, brambles and blackthorn seized their moment and made rapid advances.

Going back further, the two central meadows 'Upper Castle' and 'Lower Castle' contain the vestiges of an Iron Age fort. It's tempting to speculate that the field boundaries here are also ancient, or at least medieval, as the 'rounded rectangle' shape would have been the most efficient to fence using cleft oak stakes or 'pales'. Perhaps deer would then have been kept in association with the monastic farming that dominated the area in a post-medieval period. Now, the fallow deer which have taken up residence here in the last couple of years, raise interesting questions for me about the future. The woods are already easier to walk through, with paths and clearings where bramble once had free rein. Left to their own devices, will the deer wreak the same changes here as they have done in England? I wonder, in a different way from the blacksmith, what will happen to my cows? With small-scale cattle farming such a precarious enterprise, subject to the vagaries of grant-aid, TB, dietary fashion and the difficulties of hay-making with August monsoons and rampaging soft rush, it could be that the future is in woodland, or at least wood-pasture and the occasional harvest of wild venison. The tapestry of habitats, plants and its human inhabitants is ever-changing....

References
Flintshire (v.c.51) report 2017

GAIL QUARTLY-BISHOP, 19 March 2018

The total number of records received for Flintshire in 2017 was 13,755, of which over half were made during the Annual Summer Meeting in June. Our top recorder once again was Jonathan Shanklin with 5,293 records, an extraordinary total for someone who lives at the other end of the country. Local botanists Julie Rose and Polly Spencer-Vellacott are awarded silver and bronze respectively.

Perhaps not surprisingly, Jon Shanklin is responsible for one of the most interesting finds of the year, *Coincya monensis*, found on Deesside in October. This is the first record of this species in the county since 1982.

*Parapholis incurva* (Curved Hard-grass) was recorded during the ASM at Llanerch-y-Mor by Polly Spencer-Vellacott, Graham Wright and Laura Gravestock. If confirmed, this would be the first record in the county since 1835!

The ASM also generated 14 new 10k records of species rare or scarce in Flintshire and Jon Shanklin scored another 12 such records during the rest of the year. These are especially welcome and have made an important contribution to our understanding of the distribution and status of these species in the county.

Meanwhile, BSBI outings recorded possible *Petroselinum segetum* (Corn Parsley) near Rhuddlan which requires further investigation in 2018 – if confirmed, this would be a new county record. There was also a record of possible *Tolypella glomerata* (Clustered Stonewort) at a NWWT site which needs following up.

Finally, Flintshire BSBI group would like to claim the record for the largest number of species found in a car park with a score of 81 at KFC/Aldi in Rhuddlan on 30th July!

Thank you to everyone who has recorded plants in Flintshire in the past year, every record is appreciated. We look forward to seeing you out in the field in 2018.
Looking for and updating pre 2000 hectad records of *Stellaria pallida* (Lesser Chickweed) in Pembrokeshire

PAUL R. GREEN. Email: paul.green@bsbi.org

While having a chat with Stephen Evans, the Vice-county Recorder for Pembrokeshire, he suggested I could try to update sites for *Stellaria pallida*, where there was no report since 2000 to give a modern record for Atlas 2020. Stephen provided me with all the information he held in his database, along with a distribution map using different colour symbols, to depict the decade when last reported from a site.

This was the perfect species to look for as all sites were within 15 miles of where I live in Pembroke Dock. The searches were done during the months of February and March 2018.

*Stellaria pallida* is a smaller version of *Stellaria media* (Common Chickweed), even though both species are very similar looking, there is a jizz to both, and I found I could pick out *S. pallida* while driving along at 30 mph or less through town where it was a pavement weed.

Before I started my search in 2018, I had already found *S. pallida* once before in Pembrokeshire as a weed of a harvested maize crop in November 2017, when I had stopped to look at *Glebionis segetum* (Corn Marigold) on the margin of a field at Newton (SM90230057).

I restricted my search to sites where there were no post 2000 records for the hectad.

**Description**

*Stellaria pallida*

A short-lived, neat, compact, mat-forming spring annual, which hugs the ground, all lead shoots being completely prostrate. When young and over-wintering, the foliage is dark green, becoming pale yellowish-green as the plant comes into flower, and turning yellowish as fruit is set. By late March the plant is often already dying away, and often completely gone by late April. The flowers are not much to look at as they normally have just sepals and no petals. The leaves are roundish and blunt tipped.
**Stellaria media**

A messy, straggly, patch-forming annual, which grows all year round, with lead shoots turning upwards. Foliage is light green and can turn yellowish as it dies back. The flowers have petals that are about same length as the sepals. The leaves are variable in size and shape and are pointed.

**Sites searched**

Old Sageston Airfield. Map ref: SN054030.

Found on 28th March 1992 by Steve Chambers. Described as common on the vegetated cracks between old tar-covered concrete bases of the old airfield. Even though the habitat is still the same, I couldn’t find any trace of *S. pallida*. Other associated species seen in 1992 were still present such as *Saxifraga tridactylites* (Rue-leaved Saxifrage).


Found in May 1972 by Anne Conolly on the steps of a house in Pembroke. I searched the town, and couldn’t find any *S. pallida* along the streets, or by any steps of any house. I did find over 100 plants in the South Quay Car Park, Pembroke (SM9829001621), which is where I started my walk around the town.


Found here in August 1999 by S.J. May. Stackpole Warren is a large area of dune. I found *S. pallida* growing near May’s map reference along a sandy track, with lots in sandy bare area of a field gate. *S. pallida* was also found in scattered locations along more of the track and along human made paths, with one site in the neighbouring monad at (SR9771294277) in short open sandy turf.

**New sites**

Pembroke Dock

The first site I noticed when I started my search was from the car while heading out to the old airfield at Sageston. 95 plants grew here along the pavement of London Road (SM9724403666), opposite Tesco. I soon found that *S. pallida* was scattered about the town, being found in 3 different monads.
Tenby

Tim Rich had found *S. pallida* on the dunes at Penally on 5\textsuperscript{th} April 2004 at SS121988. My way of thinking, was if I searched over the border in the next hectad up, could I find *S. pallida* for a new hectad? I had a look around the dunes at Tenby and found two plants on blown sand on the side of a boardwalk at the top of the beach at map reference SN1317300081. I also found one plant as a pavement weed along Esplanade, Tenby (SN1329300133).

Overview

*S. pallida* now has post 2000 records for 5 out of the 6 hectads it had been recorded from in the county, with one additional hectad found, and only one hectad still with a pre-2000 record. If I had had more time I’m sure *S. pallida* could have been found in more sites and hopefully some new hectads.

Correction to BSBI Welsh Bulletin no 101

The editors apologise for the fact that images, which appeared in the BSBI Welsh Bulletin no. 101, were incorrectly attributed. They should have read: Front cover: *Diphasiastrum alpinum* (Alpine Clubmoss) © Steve Williams. Inside back cover: 9. *Cuscuta campestris* (Yellow Dodder) © Ian Rabjohn. 10. *Pyrola rotundifolia* (Round-leaved Wintergreen) © Shelley Cross.
Welsh Plant Records 2017

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. All the compiled records have been checked by the relevant Vice-county Recorder.

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* (1996-2017). 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 1/1/2018 are:
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FLINT, v.c.51; Ms E. Meilleur, 1 Fron Goch, Llanberis, Gwynedd, LL55 4LE. 01286 870173; emilytmei11@gmail.com. (records communicated by Gail Quartly-Bishop; gailqb@hotmail.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 Mr N.H. Brown, Granary Cottage, Llanddyfnan, Anglesey, LL77 8JA. Tel. 01248 723163. n.brown@bangor.ac.uk

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


Sagina maritima (Sea Pearlwort) (Corwlyddyn Arfor). Bridge over motorway, mathern, ST50 91, E. Wood & A. Wood, 30th Apr 2017; (+) road junction in the village, St Arvans, ST51 96, E. Wood, 10th Jun 2017.


Rumex crispus subsp. uliginosus. All along the banks of the Wye, Tintern, ST53 99, E. Wood, 30th Apr 2017.

Viola odorata var. imberbis (Sweet Violet) (Fioled Bêr). Llan-pill wood, SO44 00, E. Wood & S. Tyler, 5th Apr 2017.


Salix ×multinervis. Trellech, SO51 07, S. Tyler, 8th Sep 2017; (+) stream nr Lower Meend Farm, Penallt, SO51 08, S. Tyler, 4th Sep 2017.


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+069/8/1. **Samolus valerandi** (Brookweed) (Claerlys). In seepage area on quarry of floor, Caerwent Quarry, ST47 89, E. Wood & S. Tyler, 13th Jul 2017.


+‡075/12.1. **Potentilla indica** (Yellow-flowered Strawberry) (Llwyn Mefus Melyn). Naturalised in the castle grounds, Caldicot, ST49 88, E. Wood & A. Wood, 16th Sep 2017.

+‡077/02.1. **Galega officinalis** (Goat's-rue) (Nuw'r Geifr). Along the walkway by the R. Usk, Caerleon, ST32 90, E. Wood & S. Tyler, 16th Aug 2017; (+) soil heap off the Rockfield road, Monmouth, SO50 12, H. Colls, 13th Sep 2017.


+103/2.1.‡ **Erodium maritimum** (Sea Stork's-bill) (Pig-y-crëyr Arfor). Pavements in the village, Pwllmeyric, ST50 140, S. Tyler, 2017, one large patch covering 3 tetrads (SO41X, SO51B, SO51C).


+‡112/1.1. **Cuscuta campestris** (Yellow Dodder) (Llindag Melyn). Penallt Old Church, SO52 10, I. Rabjohns, det. S. Tyler, 22nd Aug 2017, appeared in garden possibly from bird seed.


+120/1.6. **Callitriche brutia**. Cross Ash, SO40 18, E. Wood & S. Tyler, 27th Feb 2017.


+124/20.05×07. **Euphrasia arctica × nemorosa**. Abundant along the forestry tracks - both parents also present, Chepstow Park Wood, ST50 98, E. Wood, 2nd Sep 2017.


+133/1.2. **Valerianella carinata** (Keeled-fruited Cornsalad) (Gwylaeth-yr-oen Ffrwythau Rhychog). Quarry floor, Caerwent Quarry, ST47 89, E. Wood & S. Tyler, 24th May 2017; (+) pavement, Monmouth, SO50 13, H. Colls, May 2017, sO5090913066.

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+135/30.4. **Filago minima** (Small Cudweed) (Edafeddog Fach). Coal tips, Bedwas, ST17 89, E. Wood, A. Wood & S. Tyler, 14th Jun 2017.

+‡135/44.2. **Conyza sumatrensis** (Guernsey Fleabane) (Amrhydlwyd Guernsey). In pavement in the village, Tintern, SO53 01, E. Wood, 8th Oct 2017.


+‡135/51.1. **Santolina chamaecyparissus** (Lavender-cotton) (Hen Wraig). Well established on the old railway line, Bassaleg, ST26 87, E. Wood & S. Tyler, 27th Jun 2017.


+‡135/62.03. **Senecio inaequidens** (Narrow-leaved Ragwort) (Creulys Gulddail). On imported rubble by the sea wall, Collister Pill, ST44 85, E. Wood & A. Wood, 19th Nov 2017. 


+‡138/6.1. **Lagarosiphon major** (Curly Waterweed) (Ffugalaw Crych). Crosskeys, ST23 91, E. Wood & A. Wood, 27th Sep 2017, canal; (+) Tredegar, SO12 10, E. Wood & S. Tyler, 4th Jul 2017, lake; (+) Llanvair Kilgeddin, SO34 07, S. Tyler, 8th May 2017, garden pond Orchard Farm by main road - introduced; (+) Catbrook, SO50 02, S. Tyler, 4th Jun 2017, in new lake at Broadstone Farm.

+‡139/1.1. **Aponogeton distachyos** (Cape-pondweed) (Alaw De Affrica). Watery Lane, SO49 12, H. Colls, Mar 2017, in Wonastow Road brook; (+) Monmouth, SO50 12, H. Colls, 15th Jul 2017, in Wonastow Road brook.


+142/1.15. **Potamogeton berchtoldii** (Small Pondweed) (Dyfrlys Bach). Pen yr rheol, SO42 11, S. Tyler, 28th Aug 2017; (+) in backwater of R Monnow, Grosmont, SO4052 2569, S. Bosanquet, 18th Sep 2017.

+‡151/1.02. **Juncus tenuis** (Slender Rush) (Brwynen Fain). Penarth Brook, SO47 04, E. Wood, 14th Sep 2017.


+‡153/17.3 © **Briza maxima** (Greater Quaking-grass) (Crydwellt Mawr). Numerous plants at base of high wall near Cleddon Shoots stream, Llandogo, SO52 04, S. Tyler, 5th May 2017.

+153/21.2. **Catapodium marinum** (Sea Fern-grass) (Gwenithwellt y Morfa)). Chepstow Industrial Estate, ST53 91, S. Tyler, 17th May 2017, at side of road; (+) Bigsweir Bridge, Llandogo, SO53 05, E. Wood & A. Wood, 10th Jun 2017, at edge of bridge.


+©153/PAN.cap. **Panicum capillare** (Witch-grass) (Miled y Wrach). In several places around the reservoir edge with the water level very low, Llandegfedd Reservoir, ST33 99, E. Wood & S. Tyler, 30th Aug 2017.


+154/1.1.c. **Sparganium erectum** subsp. **neglectum**. Wet depression in corner of a maize field with several other aquatics, Shirenewton, ST488 927, E. Wood & A. Wood, 12th Jul 2017.


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

□+004/1.3. **Equisetum variegatum** (Variegated Horsetail) (Marchhrawnef Fraith). Queen's Dock, Swansea (Eastern Breakwater), SS671 918, B. Stewart, 5th Apr 2017, area around quayside slipways.

⊗017/3.08×09. **Dryopteris ×deweveri**. Pen Rhiw Farm, Gelligaer, ST1126 9881, Glamorgan Botany Group, conf. F. Rumsey, 24th Sep 2017.

+027/1.1. **Ceratophyllum demersum** (Rigid Hornwort) (Cyrnddail Caled). Resolven, SN82 03, C. Hipkin & H. Hipkin, 26th May 2017.
+†043/1.08. **Chenopodium polyspermum** (Many-seeded Goosefoot) (Troed-yr-ŷwydd Amlhadog). Amazon site, Crymlyn Burrows, SS714 934, B. Stewart, 3rd Oct 2017, ruderal vegetation.

+046/09.1. **Moenchia erecta** (Upright Chickweed) (Clust-y-llygoden Seth). Gravelly made ground prepared for development, Coed Ely industrial plateaux, ST01811 85518, D. Barden, 10th May 2017.


+062/12.3. **Rorippa islandica** (Northern Yellow-cress) (Berwr Melyn Gogleddol). Llanrhydan Marsh, SS499 926, B. Stewart, 17th Jun 2017, Marsh Road verge.


+‡066/1.3.b. **Pyrola rotundifolia subsp. maritima**. Melin Mynach old colliery, Gorseinon, SS593 992, B. Stewart, 13th Jan 2017, wet area at base of colliery spoil slope, partially shaded by willows, 2m x 1m patch; (+) Cwmaman, Aberdare, SO005 002, M. Evans, 20th Oct 2017.

*‡069/4.4. **Lysimachia ciliata** (Fringed Loosestrife) (Trewyn Eddïog). Glyncorrwg, SS78 98, C. Hipkin & H. Hipkin, 18th Jul 2017, probably originating from plants planted around perimeter of Glyncorrwg Ponds.

+‡073/1.3. **Crassula helmsii** (New Zealand Pigmyweed) (Corchwyn Seland Newydd). Aberpergwm, SN85 05, C. Hipkin & H. Hipkin, 16th Jun 2017, abundant in section of Neath Canal at Aberpergwm.

+‡077/02.1. **Galega officinalis** (Goat's-rue) (Nuw'r Geifr). Morriston Hospital car park, SN661 000, B. Stewart, 10th Aug 2017.


*‡083/LEP.sco. **Leptospermum scoparium** (Broom Tea-tree) (Llwyn te). Duffryn Rhondda, NPT DYFf1 pSINC, SS838 957, B. Stewart, 23rd Sep 2017, established bush amongst native scrub, possibly self-seeded.


+120/1.4. **Callitriche platycarpa** (Various-leaved Water-starwort) (Brigwlydd y Gwanwyn). Resolven - Neath Canal & surrounds, SN83 03, C. Hipkin & H. Hipkin, 26th May 2017.

+120/1.7. **Callitriche brutia var. hamulata** (Intermediate Water-starwort) (Brigwlydd Canolig). Glyncorrwg, SS87 98, C. Hipkin & H. Hipkin, 18th Jul 2017.

+130/6.07. **Galium album** (Hedge Bedstraw) (Brivydd y Clawdd). Land between King's Dock and Queen's Dock, Swansea, SS679 925, B. Stewart, 5th Apr 2017, ruderal vegetation.

+‡135/27.4.a. **Pilosella praetalta subsp. praetalta**. Ecolab wasteground, Baglan, SS738 934, B. Stewart, 26th Sep 2017; (+) Bryn (East), SS82 92, C. Hipkin & H. Hipkin, 2nd Jun 2017.


+151/2.3. **Luzula sylvatica** (Great Wood-rush) (Coedfrwynen Fawr). Graig Fawr, Margam, SS798 867, B. Stewart, 23rd Apr 2017.

+‡152/16.27. **Carex pseudocyperus** (Cyperus Sedge) (Hesgen Gynffonnog). Witford Point, Baglan Burrows, SS727 922, B. Stewart, 7th Aug 2017, wet woodland.


+‡153/12.15. **Festuca brevipila** (Hard Fescue) (Peiswellt Caled). Witford Point, Baglan Burrows, SS722 925, B. Stewart, 4th Jul 2017, embryo dunes.

+153/18.01. **Poa infirma** (Early Meadow-grass) (Gweunwellt Cynnar). Port Eynon, SS46 85, C. Hipkin & H. Hipkin, 25th May 2017, on sandy, trampled ground in car park area; (+) Crymlyn Burrows, SS69 93, C. Hipkin & H. Hipkin, 19th May 2017, in damp sandy mud around ephemeral pool on Bay Campus.

+153/26.1. **Avenula pubescens** (Downy Oat-grass) (Ceirchwellt Blewog). Mynydd Corrwg Fechan, SN88 00, C. Hipkin & H. Hipkin, 18th Jun 2017, in grassy edge of forest road.


+‡159/02.2. **Sisyrinchium montanum** (American Blue-eyed-grass) (Sisirinciwm y Mynydd). Baglan Energy Park (north), SS73 93, C. Hipkin & H. Hipkin, 15th Nov 2017.


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


+004/1.1. *Equisetum hyemale* (Rough Horsetail) (Marchrawnyn y Gaeaf). Nant Sere, SO03 23, A. Bateman, 12th May 2017, many stems along about 10m of river bank up to about 5m away. Third record for vc42, **Herb J.R.C**


*†062/30.5. *Lepidium ruderale* (Narrow-leaved Pepperwort) (Pupurlys Culddail). A40 Roadside, SO08 27, H. Colls, 20th Jul 2017, 2nd record for vc42 and first since 1890, **Herb J.R.C**


+‡080/1.1. *Gunnera tinctoria* (Giant-rhubarb) (Rheonllys Mawr). Y Gaer, SO00 29, J. Crellin, 7th Sep 2017, woodland near the Usk.


+‡131/1.4. *Sambucus ebulus* (Dwarf Elder) (Ysgawen Fair). Green lane above Llangattock, SO20 17, S. Coates, 10th Jun 2017, welcome rediscovery; Danewort was reported from Llangattock in 1950.


+‡135/69.1. *Doronicum pardalianches* (Leopard's-bane) (Llysiau’r Llewpart). Hedge near Ty Mawr, SN95 28, J. Crellin, 1st Jun 2017, in roadside hedgerow, was previously reported at Penpont estate.
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RADNOR, v.c.43 (comm. E.R. Dean & S.M. Spencer)


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


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+†030/1.5.b. Papaver dubium subsp. lecoqii (Yellow-juiced Poppy). Laugharne, SN30- 10-, R.A. Jones, M.O. Stead & D. Williams, 1st Jul 2017,

+033/1.1.1. Ulmus glabra (Wych Elm) (Llwyfen Lydanddail). Former Pontrilas works, North Dock, Llanelli, SS49700 99917, R.D. Pryce, 18th May 2017, apparently self-established 'bush' adjacent to (NE side) tree of U. minor Mill. 'sarniensis' (whch was determined by Max Coleman on 19/6/2008; Herb. NMW).


+046/11.2 Scleranthus annuus (Annual Knawel) (Dinodd Unflywydd). Hugdon Hill, Laugharne, SN290 102, M.O. Stead & D. Williams, 1st Jul 2017, locally abundant along c.300m of gravel-surfaced farm track between SN28927 10436 and SN29063 10250, 2nd post-2000 VC record. Another small population discovered on the track at SN29031 10181 by R.D. Pryce & K.A. Pryce on 27th July 2017,


+057/1.01. Viola odorata (Sweet Violet) (Fioled Bêr). Llansadurnen, SN28- 10-, M.O. Stead & D. Williams, 1st Jul 2017.
+‡073/5.7. Sedum spurium (Caucasian-stonecrop) (Brïweg y Cawcasws). Llansadurnen, SN28- 10-, M.O. Stead & D. Williams, 1st Jul 2017.
+‡074/08.1. Tellima grandiflora (Fringecups) (Clychau’r Clawdd). The Laques Stream, Laugharne, SN296 107, A. Copping, R.A. Jones & M.O. Stead, 30th Jun 2017, abundant along side of stream.

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Θ‡077/02.1. **Galega officinalis** (Goat's-rue) (Nuw'r Geifr). Established on roadside verge, Kidwelly Flats, SN117- 0499. B. Stewart & R.D. Pryce, 16th April 2015, 2nd VC record and the first since Mrs I.M. Vaughan’s c.1970 record which referred to a population probably established from a planting made at the Royal Ordnance Factory, Pembrey.
+084/4.1×4.‡ **Oenothera ×britannica**. Pembrey Burrows LNR, SS4135- 9937-, BSBI Meeting, 27th Jun 2017, on north edge of disused car-park.
+‡103/1.01×02. **Geranium ×oxonianum** (Druce's Crane's-bill) (Pig-yr-aran Druce). The Laques, Laugharne, SN296 107, A. Copping, R.A. Jones & M.O. Stead, 30th Jun 2017.


+111/3.2.a.col. **Calystegia sepium subsp. sepium f. colorata**. RAF Pembrey Sands AWR, Tywyn Burrows, SN3663- 0461-, R.D. Pryce, 25th Aug 2017, rank slack vegetation with colonising willow and alder scrub up to about 3m tall.


+116/01.2. **Lithospermum officinale** (Common Gromwell) (Maenhad). Pembro Burrows LNR, SS4123- 9957-, BSBI Meeting, 27th Jun 2017, in rank dune grassland/tall-herb/scattered-scrub. Also at SS 4158- 9963-.


+118/18.2. **Clinopodium ascendens** (Common Calamint) (Brenhinllys). Crescent Road, Llandeilo, SN63131 22441, R.D. Pryce, 9th Sep 2017, one robust flowering plant on south side of gravel-surfaced track between Civic Hall and Capel Newydd.

+119/1.1. **Hippuris vulgaris** (Mare's-tail) (Rhawn y Gaseg). “Jim Davies' Pond”, Pembro Burrows LNR, SS4233- 9941-, BSBI Meeting, 27th Jun 2017, growing in now, very eutrophic water used by cattle to drink and wade with wide, poached margins devoid of vegetation. First record for VC44 part of hectad.


+134/3.1. *Knautia arvensis* (Field Scabious) (Clafirllys y Maes). Bynea, SS5525- 9831-, B. Stewart & S. Stewart, 1st Jul 2017, at least 12 plants along verge on N side of main road about 50m each side of cycleway bridge. Grid ref is approximately in the centre of the population.

+135/22.2. *Lactuca virosa* (Great Lettuce) (Letusen Chwerw). South Avenue, Trostre, Llanelli, SS520 992, I.K. Morgan, 12th Jun 2017, one tall plant at corner of road junction.

All the following Taraxacum records were determined by A.J. Richards in Dec 2017:


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+135/25.09.123. Taraxacum croceiflorum (Orange-flowered Dandelion). Tireithin, Bancffosfelen, SN49441 12402, R.D. Pryce, 23rd Apr 2017, also at SN 49458 12378, Herb. NMW
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+‡135/43.4. *Erigeron karvinskianus* (Mexican Fleabane) (Amrhydlwyd y Cerrig). Llansadurnen, SN2829- 1026-, M.O. Stead & D. Williams, 1st Jul 2017, established on outer wall of garden.


+152/05.1 **Scirpus sylvaticus** (Wood Club-rush) (Clwbfrwynen Bengron). Graigwrtheyrn, nr. Llandysul, SN4339- 4054-, A.O. Chater, R.D. Pryce & K.A. Pryce, det. A.O. Chater, 12th May 2017, diffuse stand c.10m x 1.5m amongst Oenanthe crocata and Phalaris arundinacea on silty shoal about 1m below Teifi flood plain level. First record for VC44 part of hectad.


+152/16.64 **Carex aquatilis** (Water Sedge) (Hesgen y Dŵr). Graigwrtheyrn, nr. Llandysul, SN4338- 4055-, A.O. Chater, R.D. Pryce & K.A. Pryce, 12th May 2017, very small stand (about 2m x 1m) with 3 flowering stems, amongst abundant Oenanthe crocata and locally frequent Phalaris arundinacea under small Alnus glutinosa tree. First record for VC44 part of hectad.

+152/3.4. **Eleocharis multicaulis** (Many-stalked Spike-rush) (Ysbigfrwynen Gadeiriog). Pen-y-graig Goch, Llanddeusant, SN74189 22586, BSBI Meeting, det. A.O.
Chater, 1st Jul 2017, in southern part of NVC M10 flush associated with five plants of Epipactis palustris.


**Trisetum flavescens** (Yellow Oat-grass) (Ceirchwellt Melyn). Lletyrhaflaeth, near Cynghordy, SN7829-3911-, G.M. Kay, M. Smith, B.J. Wright & D.J. Wright, det. G.M. Kay, 1st Jul 2017, large clump on verge.


**Phleum bertolonii** (Smaller Cat's-tail) (Rhonwellt Penfain). Pembrey Burrows LNR, SS4167-9930-, BSBI Meeting, 27th Jun 2017, in rank dune grassland. First record for VC44 part of hectad.


**Narcissus pseudonarcissus subsp. major** (Spanish Daffodil) (Cenhinen-Bedr Sbaen). Bancyffordd Church, SN4037-3806-, R.D. Pryce & K.A. Pryce, 8th Apr 2017, on semi-improved mown boundary banks by Church Hall.

**Iris foetidissima** (Stinking Iris) (Gellesgen Ddrewllyd). Pembrey Country Park, SS4015-9998-, R.D. Pryce & K.A. Pryce, 4th May 2017, dry dune summit. Also at SS 4040-9985-. First records for VC44 part of hectad.


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

007/3.1. **Adiantum capillus-veneris** (Maidenhair Fern) (Briger Gwener). Walls of Mencap Walled Garden, Stackpole, SR9719-9609-, S.B. Evans, 13th Sep 2017, growing on one high brick wall of the old walled garden, which faced NNE, had 5 patches of Adiantum capillus-veneris close together in crevices of weathered bricks located on 3 courses. Well established but not native at this site although native elsewhere on the Pembs coast. Between 1984 and 1999 a few clumps of this fern were also known from the Carpenter's Cellar's walls, Stackpole, about 60m to the north-east, but the species has since died out there.

+‡019/1.1. **Azolla filiculoides** (Water Fern) (Rhedyyn y Dŵr). River above the Bridge at Freshwater West, Castlemartin, SR8855-9973-, S.B. Evans & A.E Evans, 30th May 2017, a few scattered floating fronds were seen on the SE side of the water course just above the bridge. Also found at SR8874-9988- on the same watercourse on 19th June 2017 by Stephen and Anne Coker.

+©028/05.1. **Nigella damascena** (Love-in-a-mist) (Glas y Niwl). Feidr Fach, St. Dogmaels, SN1641-4603-, S.B. Evans & A.E Evans, 4th Nov 2017, several plants below a low stone wall on the west side of the alley way Feidr Fach. A casual from the garden above.


+043/3.03×04. **Atriplex ×taschereau** (Taschereau's Orache) (Llygwyn Taschereau). Llanreath Beach, Pembroke Dock, SM9554-0359-, P.R. Green, 5th Nov 2017, a fruiting plant at the top of the strand. 2nd VC record.

+043/3.07. **Atriplex patula** (Common Orache) (Llygwyn Culddail). Field by Afon Teifi, Manordeifi, SN2431-4222-, H. Williams, 12th Sep 2017, disturbed ground.


+‡047/1.03. **Persicaria wallichii** (Himalayan Knotweed) (Y Ganwraidd Himalaiaidd). Bryntirion, Cippyn, St. Dogmaels, SN131-500-, S.B. Evans, 24th Jul 2017, the headland is the only part of this hectad in Pembrokeshire and several other new Pembs. hectad records of common sea-cliff species, including Centarea erythraea were made on this visit.


+‡047/1.07. © **Persicaria amplexicaulis** (Red Bistort) (Y Ganwraidd Goch). Harbourmaster's car park, Porthclais, St. David's, SM7401-2421-, S.B. Evans & J.E. Hodges, 7th Sep 2017, two main clumps of Persicaria amplexicaulis, one in full flower, with outliers growing on the low earth bank between the small car park and the tarmac of the road. It would have been introduced probably with the soil used to make the bank.

+‡047/5.4. **Fallopia convolvulus** (Black-bindweed) (Y Glymog Ddu). Uppermost field, Coed Devonald, Eglwyswrw, SN1226539987, S.B. Evans, 21st Jun 2017, one plant on disturbed ground 2m out from the recent fencing near the NW field corner.

+053/1.1. **Malva moschata** (Musk-mallow) (Hocysen Fwsg). Bridleway by Penrallt Farm, Capel Colman, Boncath, SN2221-3790-, H. Williams, 1st Sep 2017.
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+†057/1.13. **Viola arvensis** (Field Pansy) (Trilliw'r Tir Âr). Bottom of arable field above Abercych, Manordeifi, SN2431-4136-, H. Williams, 26th Aug 2017.

+†061/2.09. **Salix viminalis** (Osier) (Helygen Wiail). Trackside below Pen-yr-allt Llyn Farm, Manordeifi, SN2133-4140-, H. Williams, 6th Oct 2017.

+062/12.1×2. **Nasturtium × sterilis** (Hybrid Water-cress) (Berwr-y-dŵr Croesryw). Near road end to salt marsh track south of Poppit Dunes, SN1578-4813-, H. Williams, 16th Sep 2017.

+‡062/34.3. **Brassica rapa** (Turnip). Edge of cereal field above Abercych, Manordeifi, SN2426-4144-, H. Williams, 11th Apr 2017.

+062/34.5.‡ **Brassica nigra** (Black Mustard) (Mwstard Du). Afon Teifi edge, Cilgerran, SN1948-4324-, H. Williams, 22nd Sep 2017, a large plant by the Teifi at the north-west end of Dolbadau where Plysgog enters the main river.


+‡069/4.5. **Lysimachia punctata** (Dotted Loosestrife) (Trewyn Brych). Track west from Cwm Blaen Bwlan, Boncath, SN2306-3804-, H. Williams, 9th Jul 2017.

+‡072/1.1. **Escallonia macrantha** (Escallonia) (Esgalonia). Cliffs just south of St. Brides hotel, Saundersfoot, SN13815 04473, S.B. Evans, 5th Oct 2017, a few plants growing out of crevices on the rock face of the cliff below the hotel and adjacent gardens.

+‡073/1.1.‡ **Crassula tillaea** (Mossy Stonecrop) (Corchwyn Mwsoglog). NW of St. Mary's College, St. David's, SM75072 25490, S.B. Evans & H.H. Evans, 24th May 2017, Crassula tillaea was growing on the cobbles at the corner opposite the Bishop's Palace; (+) Penrallt-y-gardde picnic site, Crugiau Cemmaes, Glanrhyd, SN1268-4151-, S.B. Evans & A.E Evans, 5th Apr 2017, scattered along 8 paces of the bare ground margin to the western grassy edge of the car park where there was less vehicular use.

+‡073/5.10. **Sedum rupestre** (Reflexed Stonecrop) (Briweg Felen). Old grave, Manordeifi New Church, SN2252-4186-, H. Williams, 12th Sep 2017, on an old grave in the churchyard.

+‡074/07.1. **Tolmiea menziesii** (Pick-a-back-plant) (Crydlys). Quoits Wood, Monkton, SM9683-0056-, P.R. Green, 7th Nov 2017, vegetative Tolmiea menziesii on road bank in wood. Also well established by Bowett Bridge at SM971-007-.

+‡074/08.1. **Tellima grandiflora** (Fringecups) (Clychau'r Clawdd). Woodland lane at NNW edge of wood, Coed Devonald, Eglywswrw, SN12203 40149, S.B. Evans, 21st Jun 2017, flowering in the leaf litter on the lane below the garden.


+‡075/32.35. **Cotoneaster rehderi** (Bullate Cotoneaster) (Cotoneaster Deilgrych Rehder). Near Star, Clydau, SN2501-3544-, H. Williams, 9th Oct 2017, near a house in an overgrown hedge.

+084/1.05. **Epilobium tetragonum** (Square-stalked Willowherb) (Helyglys Pedronglog). Verge of road near Clyn farm, Bwlch-y-groes, Clydau, SN2426- 3681-, H. Williams, 29th Sep 2017; (+) Bank under Llechrhyd Bridge, Manordeifi, SN2189-4359-, H. Williams, 14th Jul 2017.

+084/1.06. **Epilobium obscurum** (Short-fruited Willowherb) (Helyglys Byrgodog). Edge of arable field above Abercych, Manordeifi, SN2431- 4136-, H. Williams, 27th Aug 2017.

+‡084/4.1. **Oenothera glazioviana** (Large-flowered Evening-primrose) (Melyn-yr-hwyr Mawr). Adjacent to Cardigan Wildlife Park access, Cilgerran, SN1839- 4461-, S.B. Evans, 28th Sep 2017, a few flowering/fruiting plants and much Senecio erucifolius were growing on the edge of bare ground/disturbed ground.


+091/2.11. **Euphorbia peplus** (Petty Spurge) (Llaethlys Bach). Bare open area, Capel Newydd, Manordeifi, SN2349- 3928-, H. Williams, 18th Sep 2017.

+091/2.16.a. **Euphorbia amygdaloides subsp. amygdaloides**. Timber marshalling area, Ffynnonnau, Clydau, SN2331- 3766-, H. Williams, 11th May 2017, a robust multi-flowering clump growing up through the rusty tracks from a large forestry machine. Likely to be a classic example of how a plant gets moved accidentally during forest operations.

+‡091/2.16.b. **Euphorbia amygdaloides subsp. robbiae**. Roadside verge near Cilrhue Fach, Capel Newydd, Manordeifi, SN2256- 4011-, H. Williams, 19th Apr 2017, just like the adjacent Doronicum pardalianches it had probably come from over the adjacent garden wall.

+‡101/1.10. **Oxalis debilis** (Large-flowered Pink-sorrel) (Suran Oddfog). Poppit, St. Dogmaels, SN15168 48545, S.B. Evans, A.E. Evans & H. Williams, 9th May 2017, on a grassy bank just above the café on the SE side of the minor road after it starts climbing the hill.

+‡103/1.01×02. **Geranium × oxonianum** (Druce's Crane's-bill) (Pig-yr-aran Druce). Poppit, St. Dogmaels, SN15168 48545, S.B. Evans, A.E. Evans & H. Williams, 9th May 2017, on grassy banks just above the café on both sides of the minor road after it starts climbing the hill; (+) Penrallt Uchaf, Capel Colman, Boncath, SN2178- 3834-, H. Williams, 3rd Jun 2017, Geranium x oxonianum had 'jumped' the hedge. It had also escaped over a bank from a garden at Llwyn-yr-hwrdd, Tegryn at SN2251-3267-, recorded in October 2017.


+‡107/25.1. **Conium maculatum** (Hemlock) (Cegiden). Middle Carum field, Blaencleddau, Mynachlogddu, SN1649- 3270-, S.B. Evans, A.E. Evans & V. Kirby, 15th Jun 2017, close to the site of an old cottage.

+107/40.1.syl. **Pastinaca sativa subsp. sylvestris**. Roadside waste ground north of landing stage, St. Dogmaels, SN16331 46970, H. Williams, 12th Jul 2017.
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+‡110/7.1. © **Solanum lycopersicum** (Tomato) (Tomato). Blacksmith's Landing, W. of North Haven, Skokholm, Dale, SM74109 05417, S.B. Evans, 1st Sep 2017, a single small tomato plant was in seabird guano enriched crevices of the Old Red Sandstone cliffs.

+‡111/3.3. **Calystegia pulchra** (Hairy Bindweed) (Taglys Blewog). Small old quarry, Bryntirion, Cippyn, St. Dogmaels, SN1453- 4820-, S.B. Evans & H. Williams, 24th Aug 2017, scrambling over the tall herbs that filled the small old quarry.


+‡116/04.1×2. **Symphytum ×uplandicum** (Russian Comfrey) (Cyfardwf Rwsia). By old canal, Llechrhyd, Manordeifi, SN2235- 4350-, H. Williams, 16th Jun 2017.


+116/15.09. **Myosotis ramosissima** (Early Forget-me-not) (Sgorpionllys Cynnar). Northern tip of Skomer, Marloes, SM72225 10221, S.B. Evans, 23rd Apr 2017, **Myosotis ramosissima** was with Erodium maritimum on trampled patchy therophyte vegetation seawards of the coast path at the top of the cliffs.

+‡118/04.1.c. **Lamiastrum galeobdolon subsp. argentatum**. Mountain Park, Willamston Mountain, SM99- 06-, J.E. Hodges, 31st Jul 2017, also found at 3 other locations in SM9-0- in July 2017.


+118/18.4. **Clinopodium vulgare** (Wild Basil) (Brenhinllys Gwyllt). South facing hedgebank near Penbedw Farm, Boncath, SN2065- 3943-, H. Williams, 23rd Sep 2017.

+118/20.1. **Origanum vulgare** (Wild Marjoram) (Penrhudd). Roadside, Abercych, Manordeifi, SN2456- 4120-, H. Williams, 12th Sep 2017, also found at another location on a recently created pond bank at Pen-yr-allt Llyn Farm, SN2152-4133- in October 2017.

+†124/12.1. **Kickxia elatine** (Sharp-leaved Fluellen) (Llysiau-Llywelyn). Strumble Head, Pencaer, SM8938- 4122-, S.B. Evans, 8th Aug 2017, a few flowering plants between the tarmac and wall base on the seaward side of lighthouse road.


growing on the toe of the kerb on the road edge within the Ministry of Defence camp; (+) Arable field Abercych, Manordeifi, SN2427-4142-, H. Williams, 27th Aug 2017, a patch at the bottom of the arable field.


*©124/SUT.cor. **Sutera cordata** (Bacopa). Wellington Street, Pembroke Dock, SM96462 03467, P.R. Green, 8th Nov 2017, the plant has subsequently been killed off by the very cold weather in March 2018.


+‡135/27.6. **Pilosella aurantiaca** (Fox-and-cubs) (Clust-y-llygoden Euraid). Hubberston Pill, Milford Haven, SM90-06-, J.E. Hodges, 20th Jul 2017, also found at Mascle Bridge SM95200 05599 in October 2017; (+) Ffynnon Chapel, Llandewi Velfry, SN1365-1687-, S.B. Evans & A.E Evans, 30th Jun 2017; (+) Churchyard, Manordeifi New Church, SN2250-4184-, H. Williams, 12th Jul 2017, also found at the nearby Cilfowyr Chapel at SN2208-4208 on the same date.

+‡135/43.1. **Erigeron glaucus** (Seaside Daisy) (Amrhydlwyd Arfor). South end of Castle Beach, Tenby, SN1359-0032-, S.B. Evans, 25th May 2017, flowering patches were scattered on the limestone sea-cliffs from this location as far east as SN1367-0041-.

+‡135/43.4. **Erigeron karvinskianus** (Mexican Fleabane) (Amrhydlwyd y Cerrig). Sunken Pits, Mencap Walled Garden, Stackpole, SR9727-9612-, S.B. Evans, 13th Sep 2017, growing on the walls of the sunken water pits and also nearby on the outer side of the main high wall of the northern walled garden.

+‡135/44.flo. **Conyza floribunda** (Many-flowered Fleabane). Hedgebank opposite Waun Isaf, St. David's, SM7465-2495-, S.B. Evans, 2nd Sep 2017, in abundance on the grassy hedgebank to the west of the entrance to Waun Isaf Common; (+) Newport Dunes Car Park, Nevern, SN0540-4049-, S.B. Evans & A.E Evans, 9th Aug 2017, scattered at the edges to the southern car park and around the structures/buildings but not yet in the northern car park.


+‡135/69.1. **Doronicum pardalianches** (Leopard's-bane) (Llysiau’r Llewpwr). Roadside verge near Cilrhue Fach, Capel Newydd, Manordeifi, SN22561 40120, H.
Williams, 19th Apr 2017, growing on the verge bordering a small copse and had probably escaped over the wall from the nearby garden.

+151/1.21. *Juncus acutus* (Sharp Rush) (*Brwynen Lem*). Cliffs below the Esplanade, Tenby, SN13323 00105, S.B. & A.E. Evans, A. Evans, D. Morgan & M.C. Evans, 12th Oct 2017, a single non-flowering *Juncus acutus* clump was found on the limestone sea-cliff where there would probably have been a little wind-blown sand. Located above a strip of *Crithmum maritimum* at the top of the near vertical face in a narrow band of maritime grassland.

+‡152/11.2.© *Cyperus eragrostis* (Pale Galingale) (*Ysnoden-Fair Welw*). Church Road, Llanstadwell, SM956- 050-, S.B. Evans & J.E. Hodges, 17th Oct 2017, growing out of the concrete up an alleyway between two houses on the north side of Church Road; (+) St. David's Churchyard, Caldey, SS1428- 9663-, S.B. & A.E. Evans, A. Evans, D. Morgan & M.C. Evans, 12th Aug 2017, a single plant was alongside the southern side of the Church.

*‡153/12.05. *Festuca heterophylla* (Various-leaved Fescue) (*Peiswellt Amryddail*). Roadside banks above St. Justinian's Churchyard, Freystrop, SM9620- 1203-, S.B. Evans & A.E Evans, 30th May 2017, several striking flowering clumps were growing on both roadside wooded hedgebanks above the Churchyard. *Poa chaixii* was in the Churchyard below – both had presumably once been introduced.


*‡153/18.07. *Poa chaixii* (Broad-leaved Meadow-grass) (*Gweunwellt Llydanddail*). St. Justinian's Churchyard, Freystrop, SM9620- 1201-, S.B. Evans & A.E Evans, 30th May 2017, a single clump by the approach path above a planted hedge/border. The presence of *Festuca heterophylla* clumps on two sides of the wooded roadside banks just above the Churchyard would suggest that both grasses had once been introduced.


*‡153/38.3.© *Phalaris canariensis* (Canary-grass) (*Pefrwellt yr Adar*). New access to RNLI station, St. Justinian's, St. David's, SM72486 25213, S.B. Evans & J.E. Hodges, 7th Sep 2017, amongst ruderal plants by the new vehicle access route to the new Lifeboat Station.

+‡153/46.2. *Polypogon viridis* (Water Bent) (*Barfwellt y Dŵr*). Church Road, Llanstadwell, SM9556- 0504-, S.B. Evans & J.E. Hodges, 17th Oct 2017, a flowering clump was at the roadside base of the wall by the eastern access to Llanstadwell Churchyard. Paul Green also found scattered plants in Pembroke Dock in November 2017.

+‡153/53.3.© *Ceratochloa cathartica* (Rescue Brome) (*Pawrwellt Porthi*). Pembroke, SM982- 014-, P.R. Green, 6th Nov 2017, flowering and fruiting *Ceratochloa cathartica* covering a triangle area of grass. 2nd VC record.
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+‡153/60.1. **Triticum aestivum** (Bread Wheat) (Gwenith). Blacksmith's Landing, W. of North Haven, Skokholm, Dale, SM74109 05417, S.B. Evans, 1st Sep 2017, two Triticum aestivum plants were in the crevice/bird cliff vegetation low down at Blacksmith's Landing. Solanum nigrum ssp. nigrum was nearby at SM74099 05417 and there were also several large clumps of flowering *Urtica urens* in the same guano enriched crevices of the Old Red Sandstone sea-cliffs.
+161/1.1. **Tamus communis** (Black Bryony) (Cwlwm y Coed). Ungrazed dunes north of main car park, Gupton Dunes, Castlemartin, SR88618 99624, S.B. Evans, 30th May 2017, a single clump suggestive of a recent arrival. It is largely absent from the western coasts of Pembrokeshire.
+162/13.1. **Platanthera chlorantha** (Greater Butterfly-orchid) (Tegeirian Llydanwyrdd). Restoration meadow, Teifi Marshes Wildlife Centre, Cilgerran, SN18728 44993, N. Walton, 13th Jun 2017, a single *Platanthera chlorantha* spike appeared in the restoration meadow at the Teifi Marshes reserve and visitor centre 3 years after sowing a Wyndrush Wild Seeds seed mix. The mix was harvested at Mountain Meadows - Pembrokeshire's 'Coronation Meadow'

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

+017/1.2. **Polystichum aculeatum** (Hard Shield-fern) (Gwrychredynen Galed). Pencwm, c.300m E of Ciliau Aeron, SN503 585, S.P. Chambers, 10th Apr 2017, four plants along c. 50-70 m length of roadside bank beneath trees.
‡020/1.nor. **Abies nordmanniana** (Caucasian Fir) (Ffynidwydden y Cawcasws). Heathy slope above river gorge, Miners Bridge, Pontrhydygroes, SN737 723, S.P. Chambers, 11th Jun 2017, several small self-seeded trees of various sizes. Only the 3rd VC site where this fir has self-seeded. Probably offspring of the trees grown nearby in the early 1990s for the Christmas tree market.
‡020/7.5.© **Pinus radiata** (Monterey Pine) (Pinwydden Montereye). Trackside, Nantycroy, c. 4 km N of Cardigan, SN183 510, H. Williams, 8th Aug 2017, first self-seeded record of the species for the hectad.
+©020A/SQD.gig. **Sequoiadendron giganteum** (Wellingtonia) (Welingtoniâu). Mixed plantation woodland, Long Wood, 0.5 km W of Falcondale farm, Lampeter, SN556 491, S.P. Chambers, 6th Sep 2017, one young planted tree. The 1st hectad record at least for the VC46 part of the square
+028/03.1.‡ **Helleborus foetidus** (Stinking Hellebore) (Crafanc-yr-arth Ddrewllyd). Hedge bottom, track to Penrallteifed farm, Llechryd, SN224 443, H. Williams, 5th Apr 2017, one plant, opposite garden.
031/5.03.hib. **Fumaria bastardii var. hibernica.** Mown heathy vegetation on steep south-facing trackside bank, Llangranog, SN314 541, S.P. Chambers, 10th Nov 2017, the 1st hectad record for the var.

‡039/4.7. **Quercus rubra** (Red Oak) (Derwen Goch). Re-planted former Atlantic oakwood, Allt Boeth (Coed Cadw), Cwm Rheidol, SN735 776, S.P. Chambers & C.M. Forster-Brown, det. S.P. Chambers, 17th Jun 2017, self-seeded oaklings seen in two places. Only the 2nd time Q. rubra has been recorded self-seeding in the VC.

+040/1.2. **Betula pubescens** (Downy Birch) (Bedwen Lwyd). Laneside, Clos-y-graig lane, N of Cardigan, SN192 510, H. Williams, 22nd Mar 2017.

+040/2.1. **Alnus glutinosa** (Alder) (Gwernen). Hedge, lane S of Mwnt, SN198 506, H. Williams, 30th May 2017.

043/1.06. **Chenopodium rubrum** (Red Goosefoot) (Troed-yr-wydd Coch). Base of wall at edge of pavement, S end of Union Street, Aberystwyth, SN586 816, S.P. Chambers, 19th Sep 2017, one plant, perhaps from Herring Gull vectored seed. The 1st VC occurrence as a ‘pavement weed’.

+046/05.3. **Stellaria pallida** (Lesser Chickweed) (Gwlyddyn-y-dom Bach). Stad Craig ddu, Llan-non, SN111 666, M.D. Sutton, 23rd May 2017, a couple of plants on edge of sand pile on housing development.

046/17.3. **Spergularia marina** (Lesser Sea-spurrey) (Troellig Arfor Bach). Edge of main road, SE side of the A487(T) near Plas Gwyn, 1 km SW of Llanrhystud, SN526 684, S.P. Chambers, 6th Sep 2017, locally frequent fruiting plants growing c. 500 m inland along the edge of road carriageway, the 1st inland record for the VC.


+†061/2.02. **Salix fragilis** (Crack-willow) (Helygen Frau). Hedgerow, lane N of Nantycroy farm, SN183 512, H. Williams, 8th Aug 2017; (+) woodland, Felin Bedw, Plwmp, SN36 51, A.O. Chater & WWBIC recorders day, 11th Sep 2017.

+061/2.10. **Salix caprea** (Goat Willow) (Helygen Ddeilgron). Hedgerow, lane N of Nantycroy farm, SN183 512, H. Williams, 8th Aug 2017.

+‡062/34.2.a. **Brassica napus subsp. oleifera** (Oil-seed Rape) (Rêp Had Olew). Edge of rye-grass dairy field, c.200 m S of Bryn-gwyn, c.1.25 km SW of Falcondale, SN551 483, S.P. Chambers, 17th Sep 2017, the 1st hectad record at least for the VC46 part of the square.

+†062/7.2. **Erysimum cheiri** (Wallflower) (Blodyn y Fagwyr). Hedgebank opposite property, Penparc, SN206 486, H. Williams, 24th Apr 2017.

+069/1.3. **Primula veris** (Cowslip) (Briallen Fair). Laneside, lane S of Mwnt, SN198 506, H. Williams, 30th May 2017.

‡069/4.5. Lysimachia punctata (Dotted Loosestrife) (Trewyn Brych). Verge by field entrance, above Neuadd Cross, c. 1.5km SW of Blaenporth, SN254 472, H. Williams, 26th Jul 2017.

‡073/5.13. Sedum sexangulare (Tasteless Stonecrop) (Brieg Ddi-flas). Edge of disused tennis courts, grounds of Plas Gogerddan, S of Bow St, SN630 836, S.P. Chambers & H.F. Clow, det. S.P. Chambers, 18th Oct 2017, patch c. 1 x 0.5 m.

‡074/07.1. Tolmiea menziesii (Pick-a-back-plant) (Crydllys). Riverside flood terrace on NE-bank of the Afon Teifi, Coedmor NNR, c. 1.5km S of Cardigan, SN191 436, S.P. Chambers & A. Orange, det. S.P. Chambers, 20th Jan 2017, abundant carpets, c.30 km downstream from the nearest known colony up river at Highmead.

‡075/06.1. Filipendula vulgaris (Dropwort) (Y Grogedau). Roadside bank, Blaen-y-yffin, c.1 km NW of Ferwig, SN195 503, P.R. Green, 5th Nov 2017, two patches. The 4th modern VC site not in graveyard or chapel etc grassland.


‡075/13.3. Geum macrophyllum (Large-leaved Avens) (Mapgoll Fawr). Edges of stone-surfaced track, RSPB Ynys-hir, SN678 956, S.P. Chambers & H.F. Clow, det. S.P. Chambers, 1st Jan 2017, locally abundant (many hundreds of plants) along path to Ynys-Eidiol hide. The 1st record from the N part of the VC; (+) path edge on W-facing heathy slope, above Miners Bridge, Pontrhydygroes, SN737 723, S.P. Chambers, 11th Jun 2017, one plant; (+) alongside footpath in conifer plantation, below Rhaeadr Peiran, Hafod, SN769 734, A.O. Chater, 21st Jan 2017, abundant.


‡075/32.35. Cotoneaster rehderi (Bullate Cotoneaster) (Cotoneaster Deilgrych Rehder). Hedge of lane, Felin Bedw, Plwmp, SN365 514, A.O. Chater & WWBIC recorders day, 11th Sep 2017; (+) edge of plantation woodland, Allt Gwar-coed, W of Lampeter, SN557 487, S.P. Chambers, 6th Sep 2017, one large fruiting tree. The 1st hectad record at least for the VC46 part of the square.


+081/1.3. Lythrum portula (Water-purslane) (Troed y Gywen). Flooded fieldgate, lane N of Nantycroy farm, SN183 512, H. Williams, 8th Aug 2017.
088/1.1. **Euonymus europaeus** (Spindle) (Piswydden). Broadleaved woodland, upper edge of Coed Allt Ty-mawr, SSE of Ty-mawr Home Farm, nr Ciliau Aeron, SN513 590, S.P. Chambers, 23rd Apr 2017, one large and several small trees and seedlings. First recorded in the wood in 1961 but thought lost to afforestation by 1970.

*‡091/2.05. **Euphorbia dulcis** (Sweet Spurge) (Llaethlys Pêr). Road edge, Garth Estate Road, Furnace, SN682 954, A.D.Q. Agnew, conf. A.O. Chater, 2nd Jun 2015, two plants, self-seeded from nearby garden. Short-lived casual gone by 2016. The 1st VC record. **Herb.SPC**

+‡091/2.16.b. **Euphorbia amygdaloides** subsp. **robbiae**. Hedgebank by garden, Llechryd, SN218 437, H. Williams, 5th Apr 2017.

+‡099/1.4. **Acer pseudoplatanus** (Sycamore) (Masarnen). Laneside, Clos-y-graig -Blaenfflyman lane, SN192 510, H. Williams, 22nd Mar 2017.

+‡102/1.03. **Oxalis corniculata** (Procumbent Yellow-sorrel) (Soran Orweddol). Laneside, lane S of Mwnt, SN198 506, H. Williams, 30th May 2017.

+‡103/1.01. **Geranium endressii** (French Crane's-bill) (Pig-yr-aran Ffrainc). field below Tangarreg School House, c. 1 km NW of Blaenpennal, SN621 652, S.P. Chambers, 31st May 2017, one plant (self-seeded from nearby garden rockery) in damp grassland.

+‡103/1.01×02. **Geranium × oxonianum** (Druce's Crane's-bill) (Pig-yr-aran Druce). Riverbank, by the Afon Ceri, Cwm-cou, SN295 420, H. Williams, 1st Aug 2017, established discards from nearby garden.


‡103/1.23. **Geranium phaeum** (Dusky Crane's-bill) (Gweddw Alarus). Recently disturbed grass verge fronting hedgebank, minor road c.250 m NE of Pont Newydd/Newbridge between Ciliau Aeron and Ty Mawr Home Farm, SN509 592, S.P. Chambers, 23rd Apr 2017, one flowering, plus c. 5 juvenile plants. Last seen in the same general location here in c.1919.


+124/01.07. **Verbascom thapsus** (Great Mullein) (Pannog Felen). Building plot, Towyn Farm, Gwbert, SN163 500, H. Williams, 10th May 2017.

+124/02.2. **Scrophularia auriculata** (Water Figwort) (Gwrnerth y Dŵr). Stony ground at edge farm track, Ty'n-y-castell, Devil's Bridge, SN726 772, S.P. Chambers, 4th Sep 2017.

+‡124/04.2. **Mimulus guttatus** (Monkeyflower) (Blodyn Mwnci). River shingle, confluence of the Nant Bran & Afon Arth below Pant-afallen, SN532 631, S.P. Chambers, 16th Aug 2017, locally abundant over 20-30 x 5 m in ruderal vegetation. 1st modern record for the hectad.
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+‡131/5.1. **Leycesteria formosa** (Himalayan Honeysuckle) (Bachgen Llwm). Boundary wall of property, Swn y Nant, Llechryd, SN219 437, H. Williams, 4th Oct 2017.

+‡131/6.1. **Lonicera pileata** (Box-leaved Honeysuckle) (Gwyddfid Llorweddol). Riverbank at edge of woodland, bank of the Afon Aeron c. 300 m WSW of Ty Glyn Aeron, c.0.5 km N of Ciliau Aeron, SN500 596, S.P. Chambers, 13th Apr 2017, one bush, c. 2 x 1 x 1 m, on river bank. The 2nd VC record of an established plant.

*‡131/6.5. **Lonicera henryi** (Henry's Honeysuckle) (Gwyddfid Henry). Laneside hedgebank, 75 m SE of Felin Bedw, Plwmp, SN366 514, A.O. Chater & WWBIC recorders day, 11th Sep 2017, the 1st VC & Welsh record. Naturalised. Herb. SPC

*131/6.fra **Lonicera fragrantissima** (Winter Honeysuckle). N bank of Afon Ystwyth by Pen-y-banc Bridge, Llanilar, SN618 757, A.O. Chater, det. J. Poland (det. date unknown), 18th Dec 2011, one shrub, c. 1.5 m tall. Persisting where planted under Salix on riverbank, Herb. SPC

+133/2.1. **Valeriana officinalis** (Common Valerian) (Llysiau Cadwgan). Ditch bordering arable field, c. 1km NE of Gwbert, SN171 508, H. Williams, 10th May 2017.

+134/1.1. **Dipsacus fullonum** (Wild Teasel) (Cribau'r-pannwr Gwyllt). Rough ground, Ty-gwyn, c. 300 ESE of Mwnt, SN198 518, H. Williams, 5th Sep 2017.


+‡135/71.4. **Petasites fragrans** (Winter Heliotrope) (Alan Pêr). c.200 m N of Pont Newydd, c. 0.5 km NE of Ciliau Aeron, SN506 593, S.P. Chambers, 13th Apr 2017, small colony, c. 2 x 1 m, on trackside verge by cottage.

+135/86.1. **Eupatorium cannabinum** (Hemp-agrimony) (Byddon Chwerw). Flushed Molinia fen under Salix carr, below Cyn-hendryd wood, S of Cwmhendryd, SW of Falcondale, SN543 483, S.P. Chambers, 17th Sep 2017, the 1st hectad record at least for the VC46 part of the square.


+152/16.31 **Carex pendula** (Pendulous Sedge) (Hesgen Bendrom). Road verge, SW side of the B4574, Cwmystwyth, SN789 738, S.P. Chambers, 17th Jul 2017, one clump. The farthest inland site to-date. Undoubtedly of garden origin.
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153/MIS.sin×sac. Miscanthus × giganteus (M. sinensis × M. sacchariflorus). Edge of stony track in mixed plantation woodland, lower part of Allt Ddell, W of Plas Gogerddan Lodge, near Bow Street, SN626 838, S.P. Chambers & H.F. Clow, det. S.P. Chambers, 18th Oct 2017, three young tufts, appearing self-sown, though the hybrid is said to be sterile. The 1st VC record, Herb. SPC

158/35.1.‡ Ruscus aculeatus (Butcher's-broom) (Celynnen Fair). N of Cors Llyn Farch, c. 1 km NW of Pen-uwch, SN593 636, S.P. Chambers, 26th Mar 2017, one tenacious small bush, c. 1 x 1 x 1 ft, persisting as a relic of former planting on ground exposed by conifer clear-felling by derelict stone cottage.


005/1.1. Ophioglossum vulgatum (Adder's-tongue) (Tafod y Neidr). Berwyns (Hafod Hir), SJ016 2878, T. Knight, 3rd Sep 2017, 100-120 plants in small, roughly square area of species-poor acid grassland in middle of heather moorland (!). Grassland largely dominated by Common Bent with frequent Soft-rush.

006/1.1. Osmunda regalis (Royal Fern) (Rhedynen Gyfrdwy). Lake Vyrnwy (Eunant Fawr), SH9449 2313, G. Elias, 27th Jul 2017, sH94495.23139. First record for this species on the RSPB reserve.

007/1.1. Cryptogramma crispa (Parsley Fern) (Rhedynen Bersli). Fronheulog (Abertridwr), SJ04 18, R.A. Dawes, 28th Jun 2017, only 1 clump on wall.


+033/1.2. **Ulmus procera** (English Elm) (Llwyfen Lloegr). Foel, SH99 11, Montgomeryshire Field Society, 18th May 2017, road verge/hedgerow.


+046/17.4. **Spergularia rubra** (Sand Spurrey) (Troellig Arfor Coch). Corris NE, SH76 08, H. Lewis & G. Foulkes, 8th Jul 2017; (+) Penrihwi (nr Llandinam), SO05 89, G.A.Foulkes & Montgomeryshire Flora Group, det. G. Foulkes, 19th Sep 2017,

+047/1.11. **Persicaria maculosa** (Redshank) (Y Ganwraidd Goesgoch). Dovey Junction (Dyfi Junction), SN69 97, G.A. Foulkes, 6th Jul 2017, along track to rail station and platform environs (VC 47 only).


+‡062/31.2. **Lepidium didymum** (Lesser Swine-cress) (Olbrain Bach). Dovey Junction (Dyfi Junction), SN69 97, G.A. Foulkes, 6th Jul 2017, along track to rail station and platform environs (VC 47 only).


+069/1.3. **Primula veris** (Cowslip) (Briallen Fair). Hafod y Beudy WS, SH980 073, D. Hodgkiss, 3rd Jul 2017, central GR.

+069/6.2.a. **Anagallis arvensis subsp. arvensis** (Scarlet Pimpernel). Dovey Junction (Dyfi Junction), SN69 97, G.A. Foulkes, 6th Jul 2017, along track to rail station and platform environs (VC 47 only).
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+075/22.11. **Prunus padus** (Bird Cherry) (Coeden Geirios yr Adar). Dol-las, SJ20 00, A.K. Thorne, G.A. Foulkes, MFG, 7th Sep 2017, hedgerow/planted row of trees, possibly planted; (+) Severn Farm Pond, SJ228 068, H. Siddons & Friends of Severn Farm Pond, 15th May 2017, central GR.


+084/1.01. **Epilobium hirsutum** (Great Willowherb) (Helyglys Pêr). Dovey Junction (Dyfi Junction), SN69 97, G.A. Foulkes, 6th Jul 2017, along track to rail station and platform environs (VC 47 only).


+088/1.1. **Euonymus europaeus** (Spindle) (Piswydden). Llangurig (Dolfach), SN91 76, D. Ardshire, Aug 2017.

Geranium molle (Dove's-foot Crane's-bill) (Pig-yr-Aran). Dovey Junction (Dyfi Junction), SN69 97, G.A. Foulkes, 6th Jul 2017, along track to rail station and platform environs (VC 47 only).

Hedera hibernica. Pontdolgoch, SO00 93, G.A. Foulkes, A. Foulkes & Montgomeryshire Flora Group, 9th Aug 2017; (+) Penybontfawr, SJ087 248, S. Swindells, 9th Apr 2017, spread along verge of riverside lane; (+) Parc Farm, SJ092 245, S. Swindells, 23rd Apr 2017, on verge & floor of small coppice.

Pastinaca sativa subsp. sativa (Wild Parsnip) (Panasen Wyllt). Dovey Junction (Dyfi Junction), SN69 98, G.A. Foulkes, 6th Jul 2017, along track to rail station and platform environs (VC 47 only).


Convulvulus arvensis (Field Bindweed) (Cwlwm y Cythraul). Pontdolgoch, SO00 93, G.A. Foulkes & Montgomeryshire Flora Group, 9th Aug 2017; (+) Penybontfawr, SJ088 2470, S. Swindells, 4th Jul 2017, along edge of roadside garden.


Scrophularia vernalis (Yellow Figwort) (Gwrnerth Melyn). Penybontfawr, SJ081 241, S. Swindells, 26th Mar 2017, few plants on verge.


Veronica montana (Wood Speedwell) (Rhwyddlwyn y Coed). Llangurig (Dolfach), SN9116 7726, D. Ardshire, Aug 2017, sN91161.77261. Steep rocky banks supporting open acid grassland with NG flat roadside verge.


+‡135/19.1. **Tragopogon pratensis** (Goat's-beard) (Barf-yr-afr). Dovey Junction (Dyfi Junction), SN69 97, G.A. Foulkes, 6th Jul 2017, along track to rail station and platform environs (VC 47 only).


*‡135/80.2. **Galinsoga quadriradiata** (Shaggy-soldier) (Galinsoga Blewog). Machynlleth, SH748 008, D. Elias, det. A.O. Chater, 27th Jul 2017, 30 plants, some flowering, around the entrance to main car park.


+152/16.34. **Carex strigosa** (Thin-spiked Wood-sedge) (Hesgen-ŷ-coed Benfain). Gaer Fawr, SJ218 129, S. Southam, det. A.K. Thorne, 10th Apr 2017, several plants in neglected damp roadside patch below road level and close to small stream.

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+159/05.03. **Iris pseudacorus** (Yellow Iris) (Gellesgen). Cwm Twrch, Foel, SH98 13, R.A. Dawes, 18th May 2017.


+162/18.2. **Dactylorhiza maculata** (Heath Spotted-orchid) (Tegeirian Brych y Rhos). Henglog, Bettws Cedewain, SO102 957, A.K. Thorne, 9th Jun 2017, one of two diverse grassland fields to west of Henglog Dingle, also some rush pasture

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


□+030/1.5. **Papaver dubium s.s.** (Pabi Hirben). Aberdyfi (Trefeddian Hotel), SN59 96, C.M. Lovatt, R.A. Jones & M.O. Stead, 24th Jul 2017.


+057/1.01.‡ **Viola odorata** (Sweet Violet) (Fioled Bêr). Coed Cymerau, SH64W, Merioneth Naturalists/Grwp Natur Meirionnydd, 2017, new hectad for this doubtfully native taxon.


†062/35.1. **Sinapis arvensis** (Charlock) (Mwstard Gwyllt). Llanelltyd, SH71E, C.M. Lovatt, 20th Jul 2017, 1st hectad record since 1969 and only the 3rd vc record this millenium.


+075/19.10.b. **Alchemilla filicaulis subsp. vestita** (Mantell-Fair Flewog). Bod Petryal, SJ05F, S.E. Stille, 13th Aug 2017, 1st hectad record but perhaps no longer Scarce.


+‡075/22.03. **Prunus cerasifera** (Cherry Plum) (Coeden Goeg-geirios). Llanelltyd, SH71E, S.E. Stille, 11th Jul 2017, new hectad for this scarce or somewhat underrecorded tree.


‡‡116/12.2. © **Amsinckia micrantha** (Common Fiddleneck) (Amsincia). Aberdyfi (S of Railway Station), SH71 23, C.M. Lovatt, R.A. Jones & M.O. Stead, 24th Jul 2017, first documented VC record. Although Flowering Plants of Wales refers to a Widl Flower Society record from SH50 in 1974 there seems now to be no trace.

Ä 118/01.8. **Stachys arvensis** (Field Woundwort) (Briwlys y Tir Âr). Aberdyfi (Trefedddian Hotel), SN5982 9654, C.M. Lovatt & R.A. Jones, 24th Jul 2017.


130/6.01. **Galium boreale** (Northern Bedstraw) (Briwydd y Gogledd). Cliff, Tanrallt, SH76576 37555, G. Elias, 15th Jun 2017, a new site tho not a new hectad record for this Rare taxon.

‡135/05.4. **Carduus nutans** (Musk Thistle) (Ysgallen Bendrom). Aberdyfi (Trefedddian Hotel), SN59 96, C.M. Lovatt, R.A. Jones & M.O. Stead, 24th Jul 2017, 1st hectad record for a Scarce species; (‡+*) Aberdyfi (Railway Station), SN60 96, C.M. Lovatt, R.A. Jones & M.O. Stead, 24th Jul 2017, 1st hectad record for a Scarce species.


+‡148/2.4. **Lemma minuta** (Least Duckweed) (Llinad Bach). Afon Dysynni, SH59 02, S.E. Stille, C.M. Lovatt & G.M. Kay, 22nd Jul 2017, 2nd VC and new hectad record.


□+162/03.4. **Epipactis helleborine** (Broad-leaved Helleborine) (Y Galdrist Lyandddail). Bod Petryal, SJ036 510, S.E. Stille, 13th Aug 2017, new hectad for this Scarce taxon.

162/06.2. **Neottia cordata** (Lesser Twayblade) (Caineirian Bach). Craig y Ganllwyd, SH70 26, T. Knight, 8th Jul 2017, 1st record for the hectad since before 1969.

+162/18.5. **Dactylorhiza purpurella** (Northern Marsh-orchid) (Tegeirian-y-gors Gogleddol). Graigddu-isaf, SH6794 2975, T. Knight, 1st Jul 2017

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


*‡028/03.arg. **Helleborus argutifolius** (Corsican Hellebore) (Crafanc-yr-arth Corsica). Sandy path edge above beach, Deganwy, SH77 80, W. McCarthy, 28th Jan 2017, previously reported by I. Fraser but only recently identified, F


+‡039/2.1.© **Nothofagus obliqua** (Roble) (Ffawydden Ddeheuol Roble). Edge of car park, Beddgelert, SH58 48, Caerns Recording Group, 8th Sep 2017.

+043/1.06. **Chenopodium rubrum** (Red Goosefoot) (Troed-yr-ŵydd Coch). Arable field edge, Abergwyngregyn, SH64 73, W. McCarthy & M. Roberts, 4th Oct 2017; (+) disturbed roadside verge, Conwy, SH76 78, W. McCarthy, 28th Jul 2017.

+‡043/1.08. **Chenopodium polyspermum** (Many-seeded Goosefoot) (Troed-yr-ŵydd Amlhadog). Poly tunnel at university farm, Abergwyngregyn, SH65 73, W. McCarthy, 11th Jun 2017.

+‡043/1.13. **Chenopodium ficifolium** (Fig-leaved Goosefoot) (Troed-yr-ŵydd Dail Ffigys). Disturbed roadside verge, Conwy, SH76 78, W. McCarthy, 28th Jul 2017.

*043/3.03×04. **Atriplex ×taschereau** (Taschereau's Orache) (Llygwyn Taschereau). Seashore strandline, Criccieth, SH47 37, I. Rees & J. Rees, 21st Sep 2013, 1 plant with bracteoles up to 16mm length.

*043/3.05. **Atriplex praecox** (Early Orache) (Llygwyn Cynnar). Shingle beach, at least 10 plants, Caernarfon, SH45 59, I. Rees & J. Rees, conf. J. Akeroyd, 2nd Sep 2017, first record for Wales.


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+‡057/1.11×12×alt. **Viola ×wittrockiana** (Garden Pansy) (Trilliw’r Gerddi). Sandy waste ground, Morfa Bychan, SH54 36, W. McCarthy, 27th Aug 2017.


+‡062/14.4. **Cardamine raphanifolia** (Greater Cuckooflower) (Blodyn Llefrith Mawr). River bank, Talybont, SH77 69, W. McCarthy, 26th Mar 2017.

+‡069/1.1×3. **Primula ×polyantha cultivar** (Cultivated Primrose) (Briallen Groesryw). Grass verge, Mynytho, SH30 31, Caerns Recording Group, 7th Apr 2017, garden escapes, several plants in different colours.

+‡073/5.17. **Sedum dasphyllum** (Thick-leaved Stonecrop) (Briweg Dewddail). Wall in lane, Llangwstenin, SH81 78, W. McCarthy, 25th Jul 2017.

+‡075/08.0.02. **Rubus tricolor** (Chinese Bramble) (Llwyn Mwyar Trilliw). Pavement edges, Beddgelert, SH58 48, Caerns Recording Group, 8th Sep 2017.


+075/08.08.185. **Rubus griffithianus**. Hedge in lane, Mynydd Rhiw, SH23 29, D.P. Earl, 22nd Jul 2017, BSBI Rubus meeting; (+) bank above stream, Garn Fadryn, SH27 34, D.P. Earl, 23rd Jul 2017, BSBI Rubus meeting.

+075/08.11.287. **Rubus semiglaber**. Lane bank bordering heathland, Garn Fadryn, SH27 34, D.P. Earl, 23rd Jul 2017, BSBI Rubus meeting.

+075/08.11.seg. **Rubus segontii**. Hedge in lane, Mynydd Rhiw, SH23 29, D.P. Earl, 22nd Jul 2017, BSBI Rubus meeting.


+‡075/22.03. **Prunus cerasifera** (Cherry Plum) (Coeden Goeg-geirios). Hedge by gateway, Dylasau, Penmachno, SH82 52, W. McCarthy, 8th Mar 2017; (+) ancient hedge, Penrhynside, SH80 81, W. McCarthy, 12th Feb 2017.

+‡075/22.05.b. **Prunus domestica subsp. insititia** (a subspecies of Wild Plum) (Coeden Eirin Bwlas). Roadside bank, Llangwstenin, SH80 77, W. McCarthy, 25th Jul 2017.

+‡075/32.22. **Cotoneaster hjelmqvistii** (Hjelmqvist's Cotoneaster) (Cotoneaster Hjelmqvist). Roadside wall, Beddgelert, SH58 48, Caerns Recording Group, 8th Sep 2017.


Euphorbia amygdaloides subsp. robbiae. Lane bank, Penmaenmawr, SH72 76, W. McCarthy, 9th Apr 2017.


Hydrocotyle ranunculoides (Floating Pennywort) (Dail-ceiniog Arnofiol). Pond near derelict farm, Caernarfon, SH49 64, W. McCarthy, 19th Nov 2016.

Eryngium planum (Blue Eryngo) (Celynnen-y-môr Las). Sandy path by promenade, Pwllheli, SH37 34, E. Gruffydd, Aug 2017, two plants.


Plantago afra (Glandular Plantain) (Llyriad Chwarennog). Disturbed roadside verge, Conwy, SH76 78, W. McCarthy, 28th Jul 2017, about a dozen plants with other species typical of disturbed ground e.g. Glebionis segetum, Centaurea cyanus, Chenopodium ficifolium, Papaver rhoeas etc.

Campanula poscharskyana (Trailing Bellflower) (Clychlys Ymlusgol). Roadside wall, Beddgelert, SH58 48, Caerns Recording Group, 8th Sep 2017.


‡158/31.1. Leucojum aestivum (Summer Snowflake) (Eirïaidd yr Haf). Shaded bank, Penrhynside, SH81 81, W. McCarthy, 17th Apr 2017, subspecies needs checking.

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


+015/3.1. Asplenium ceterach (Rustyback) (Duegredynen Gefngoch). Nant Bach West, SH9001 6829, M.O. Stead, 16th Apr 2017, west wall of bridge over stream 50-60 plants.


‡020/7.mug. Pinus mugo (Dwarf Mountain-pine) (Pinwydden y Mynydd). Pentre Isaf West, SH8674 6898, Denbs Group (D. Williams), 21st May 2017, opposite chapel, a few planted; (+) Penmaen Rhos East, SH8985 7826, D. Williams & M.O. Stead, 24th Oct 2017, planted along bank - windbreak?

© 020A/SQD.gig. Sequoiadendron giganteum (Wellingtonia) (Welingtoniâu). Plas Nantyr, SJ155 375, Denbs Group (D. Williams), 7th May 2017, single tree near the Plas, seen from >100m away


+031/5.01.b. Fumaria capreolata subsp. babingtonii. Rhyd-y-meudwy West, SJ126 511, D. Williams, 25th May 2017, small patch on W side of lane.

+031/5.03. Fumaria bastardii (Tall Ramping-fumitory) (Mwg-y-ddaear Grymus). Moel Pentre-wern, SH8890 6798, M.O. Stead, 1st Jun 2017, by chapel; (+) Bwlchgwyn, SJ2716 5313, Denbs Group (D. Williams), 4th Nov 2017, a few plants in flower in waste round.

+031/5.05.b. Fumaria muralis subsp. boroei. Garn Brys, SH89 49, M.O. Stead, 27th Jul 2017, west roadside verge.


+040/3.1.‡ Carpinus betulus (Hornbeam) (Oestrwydden). Coed Cae-Goronwy South, SH946 627, Denbs Group (D. Williams), 11th Jun 2017, w bank of lane. Hedgerow plants. No apparent trees.


¤+043/1.13. Chenopodium ficifolium (Fig-leaved Goosefoot) (Troed-yr-ŵydd Dail Ffigys). Rhewl, SJ1072 6054, M.O. Stead, 13th Sep 2017, footpath through maize field one plant.

+043/3.06. Atriplex littoralis (Grass-leaved Orache) (Llygwyn Arfor). Brychau, SH9752 6302, Denbs Group (D. Williams), 23rd Jul 2017, at very edge of road, above steep corner; (+) Tomen Rhodwy, SJ1720 5173, D. Williams, 17th Jul 2017, roadside verge. Large stand by roadsalt dump.

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+046/20.09. **Silene latifolia** (White Campion) (Gludlys Gwyn). Pandy Tudur East, SH8685 6475, Denbs Group (D. Williams), 14th May 2017, single plant on W side of road above stream.


+051/1.10. **Hypericum humifusum** (Trailing St John's-wort) (Eurinllys Ymdaenol). Moel y Parc, SJ1054 7078, M.O. Stead, 5th Apr 2017, beside footpath under gorse.

+052/1.1. **Tilia platyphyllos** (Large-leaved Lime) (Pisgwydden Dail Mawr). Coed Cae-Goronwy South, SH9450 6279, Denbs Group (D. Williams), 11th Jun 2017, lovely large tree and some hedge plants by Fforest Farm; (+) Kilford Farm, SJ0712 6631, M.O. Stead, 15th Sep 2017, planted in churchyard; (+) Rhewl, SJ1085 6069, M.O. Stead, 13th Sep 2017, east side of road one large tree.


+062/22.2.ver. **Erophila verna var. verna**. Pentre Isaf West, SH8674 6898, Denbs Group (D. Williams), 21st May 2017, opposite chapel.


+‡062/28.1. **Thlaspi arvense** (Field Penny-cress) (Codywasg y Maes). Penfforddwen, SJ120 270, S. Swindells, 14th Jul 2017, 1flowering and seeding plant on bare ground in field.


+‡062/30.2. **Lepidium campestre** (Field Pepperwort) (Pupurlys y Maes). Pandy Tudur East, SH8695 6474, Denbs Group (D. Williams), 14th May 2017, centre of farm track.

+‡062/30.5. **Lepidium ruderale** (Narrow-leaved Pepperwort) (Pupurlys Culddail). Commonwood, SJ387 525, Denbs Group (D. Williams), 9th Nov 2017, n side of A534 on pavement edge. Poor specimen.

+‡062/31.2. **Lepidium didymum** (Lesser Swine-cress) (Olbrain Bach). Bwlchgwyn, SJ2717 5313, Denbs Group (D. Williams), 4th Nov 2017, a few plants in waste ground.

+‡062/33.2. **Diplotaxis muralis** (Annual Wall-rocket) (Roced-y-muriau’r Tywod). Rhewl, SJ1086 6047, M.O. Stead, 13th Sep 2017, occassional along main road East side of road.

+‡062/42.1. **Raphanus raphanistrum** (Rhuddygl). Llanrhaeadr-ym-mochnant, SJ1224 2671, S. Swindells, 14th Jul 2017, ssp raphanistrum - 1 flowering plant edge of field with cirs arv; (©+) The Lawnt, SJ1787 3034, J.D. Shanklin, 3rd Jun 2017, farm yard;
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(+) Bwlchgwyn, SJ2785 5315, Denbs Group (D. Williams), 4th Nov 2017, large plants by garden fence.


+069/1.3. **Primula veris** (Cowslip) (Briallen Fair). Pandy Dyffryn Ceiriog, SJ187 342, Denbs Group (D. Williams), 4th Jun 2017, lane over bridge at Pontricket.

+072/2.6.‡ **Ribes alpinum** (Mountain Currant) (Llwyn Cwrens y Mynydd). Llyn Moelfre, SJ175 281, Denbs Group (D. Williams), 19th Jun 2017, a large patch of bushes on corner of lane and path into wood.


**Herb.DW**

+‡074/08.1. **Tellima grandiflora** (Fringecups) (Clychau'r Clawdd). Cae-Goronwy, SH951 631, Denbs Group (D. Williams), 11th Jun 2017, in triangle of dumped stone and occasional elsewhere along hedgerows; (+) Llyn Moelfre, SJ175 281, Denbs Group (D. Williams), 19th Jun 2017, path into wood. A single plant.

‡075/03.1×3. **Spiraea ×pseudosalicifolia** (Confused Bridewort) (Ffug Erwain-dail-helyg). Foelasfechan, SH8578 5995, D. Williams, 12th Aug 2017, lay-by, waste area. 1st since 1998.

‡+075/15.2. **Agrimonia procera** (Fragrant Agrimony) (Llysiau'r-dryw Pêr). Bryn Dansi North East, SH8784 7566, B.A. Allen, 13th Jul 2017, 50 plus and more further down lane towards school. Voucher.

‡+075/17.1. **Sanguisorba officinalis** (Great Burnet) (Bwrned Mawr). Pennant, SH8258 4689, M.O. Stead, 18th Aug 2017, northeast of bridge.


+‡075/22.03. **Prunus cerasifera** (Cherry Plum) (Coeden Goeg-geirios). The Chequer, SJ490 405, K.K. Bell, 31st Jul 2017, new Hall Lane nr jct with A525.


‡+077/17.3. **Melilotus officinalis** (Ribbed Melilot) (Yr Wydro Resog). Hafotty Newydd, SJ0059 5470, M.O. Stead, 9th Sep 2017, verge on west side of track.

Trifolium micranthum (Slender Trefoil) (Meillionen Hopysaidd Eiddil). Coed Ceunant, SJ1597 6037, M.O. Stead, 11th Jul 2017, north roadside verge from car park; (+) Moel y Gaer, SJ15 61, M.O. Stead, 15th Aug 2017; (+) Moel Famau West, SJ1590 6202, M.O. Stead, 15th Aug 2017, east side of main footpath up to top; (+) Foel Fenlli, SJ1615 6058, M.O. Stead, 11th Jul 2017, grassy bank in car park.


Epilobium parviflorum (Hoary Willowherb) (Helyglys Lledlwyd). Nant Llan-gwrach, SH862 478, Denbs Group (D. Williams), 22nd Aug 2017, by farm manure heap.

Epilobium roseum (Pale Willowherb) (Helyglys Gwelw). Fenn's Bank, SJ504 385, K.K. Bell, 10th Jul 2017, edge of wood, W of Fenn's Wood Farm.


Geranium phaeum (Dusky Crane's-bill) (Gweddw Alarus). Bettws Gwerfil Goch West, SJ0280 4628, M.O. Stead, 28th Apr 2017, southwest end of chapel car park.

Erodium cicutarium (Common Stork's-bill) (Pig-y-crëyr). Bwlchgwyn, SJ2759 5210, Denbs Group (D. Williams), 10th Sep 2017, single rosette on side of main road.

Impatiens glandulifera (Indian Balsam) (Jac y Neidiwr). Cernioge, SH906 504, D. Williams, 9th Jul 2017, verge A5. In farm garden area and along track to N.

Aethusa cynapium (Fool's Parsley) (Geuberllys). Cadair Bronwen East, SJ0986 3464, Denbs Group (D. Williams), 10th Sep 2017, track running E/W through monad. Single plant by grouse/peasant cage.


Centaurium erythraea (Common Centaury) (Y Ganrhi Goch). Pentre Isaf North West, SH867 693, Denbs Group (D. Williams), 21st May 2017; (+)

+†111/3.3. **Calystegia pulchra** (Hairy Bindweed) (Taglys Blewog). Rhewl, SJ1082 6081, M.O. Stead, 13th Sep 2017, growing up north roadside hedge; (+) Maes-mynan North, SJ11 73, M.O. Stead, 22nd Jun 2017.


+†116/03.1. **Pulmonaria officinalis** (Lungwort) (Llysiau’r Ysgyfaint). Coed Pant-glas, SH8390 7085, N.J. Osley & S.K. Osley, 23rd Apr 2017, one plant on verge W of Holland Arms PH; (+) Y Foel, SJ181 386, S. Swindells, 3rd Apr 2017, flowering. Small patch edge of layby. Also on verge at SJ18153864; (+) Pandy Dyffryn Ceiriog, SJ195 351, Denbs Group (D. Williams), 4th Jun 2017, e bank of river at Pont y Meibion; (+) Moel Llys-y-coed, SJ1414 6568, M.O. Stead, 18th Apr 2017, passing place dumped garden rubbish; (+) Ty-fy-Nain, SJ1766 6127, M.O. Stead, 23rd Mar 2017, south roadside bank.

+†116/04.6. **Symphytum orientale** (White Comfrey) (Cyfardwf Wen). Penfforddwen, SJ1224 2799, S. Swindells, 15th Apr 2017, 1 flowering plant growing on stone wall opposite house; (+) Ty'n-y-pistyll, SJ170 369, Denbs Group (D. Williams), 7th May 2017, spreading opposite Ty Ddu.


†+118/05.6. **Lamium amplexicaule** (Henbit Dead-nettle) (Marddanhadlen Goch Ddeilgron). Coedpoeth, SJ2840 5101, J. Rose, 5th May 2017, town Centre, on wall.

†+118/06.3. **Galeopsis speciosa** (Large-flowered Hemp-nettle) (Y Benboeth Amryliw). Nant y Garth Pass, SJ1678 5185, D. Williams, 17th Jul 2017, single large plant in verge on S side of lane 5m E of telegraph pole on opposite side.

†+118/10.4. **Scutellaria minor** (Lesser Skullcap) (Cycyllog Bach). Pen yr Orsedd, SH8519 5305, Denbs Group (D. Williams), 6th Aug 2017, wet area to E of lane.

†+118/16.1. **Melissa officinalis** (Balm) (Balm). Llanelian-yn-Rhos, SH8625 7649, B.A. Allen, 1st Aug 2017, edge of lay-by; (+) Llanddulas, SH90 78, D. Williams, 4th Jan 2017; (+) Llanrhaeadr-ym-mochnant, SJ1232 2610, S. Swindells, 15th Apr 2017, 8 clumps on edge of road outside property.


+118/22.1. **Lycopus europaeus** (Gypsywort) (Llysiau’r Sipsiwn). Bryn Dansi East, SH8719 7459, B.A. Allen, 1st Jul 2017, dirt track off B5381, several plants; (+) Hirwaen South West, SJ12 60, M.O. Stead, 9th May 2017.

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+124/13.4. **Linaria repens** (Pale Toadflax) (Llin-y-llyyffant Gwelw). Llanrhaeadr-ym-mochnant, SJ1219 2630, S. Swindells, 14th Jul 2017, c. 40 flowering plants on face of stone wall boundary of garden.

+130/3.1. **Sherardia arvensis** (Field Madder) (Mandon Las yr ŵd). Cadair Bronwen East, SJ0986 3464, Denbs Group (D. Williams), 10th Sep 2017, track running E/W through monad. Single plant in flower, N of track.


+‡131/6.3.© **Lonicera involucrata** (Californian Honeysuckle) (Gwyddfid Califfornia). Nant Caledwynt East, SJ1760 3433, S. Swindells, 11th Apr 2017, 8m length of hedge on hedgebank opp property, by large stand of Doronicum pardalanches; (≥) Nant Caledwynt East, SJ1760 3433, S. Swindells, 11th Apr 2017, 8m length of hedge on hedgebank opp property, by large stand of Doronicum pardalanches. 1st since 1952, possible 1st VC record.

+135/05.1. **Carduus tenuiflorus** (Slender Thistle) (Ysgallen Flodfain). Wrexham Industrial Estate, SJ3860 4905, G. Lowden, 17th Jul 2017.


≥135/28.10.158. **Hieracium pseudoleyi** (Purple-flushed Hawkweed). Craig y Forwyn, lowest tier, SJ2333 4790, L. Houston & T.C.G. Rich, 6th Sep 2017, re-recording of 1st record in 1903. A. Ley. 3 plants this is the plant which has been called pseudoleyi but is a closely related new species, see Swatschuk thesis.


+135/62.15.vul.hib. **Senecio vulgaris subsp. vulgaris var. hibernicus**. Bettws Gwerfil Goch West, SJ02 46, M.O. Stead, 28th Apr 2017.


+‡135/71.4. **Petasites fragrans** (Winter Heliotrope) (Alan Pêr). Maerdy, SJ02 44, M.O. Stead, 21st Mar 2017; (+) Pandy Dyffryn Ceiriog, SJ195 356, Denbs Group (D. Williams), 4th Jun 2017, tramway running N to S.


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‡147/5.2.b. *Arum italicum* subsp. *italicum*. Mynydd-y-briw, SJ178 265, S. Swindells, 13th Mar 2017, on verge of track up from chapel - spread over approx 0.3m.

*†148/2.1. Lemma gibba* (Fat Duckweed) (Llinad Crythog). Llangadwaladr, SJ18 30, J.D. Shanklin, 3rd Jun 2017, flat form with large central cells.

+151/1.02. *Juncus tenuis* (Slender Rush) (Brwynen Fain). Carreg-y-blaidd, SH8640 4989, Denbs Group (D. Williams), 22nd Aug 2017, dried up plants in centre strip of track.


‡152/16.08.b. *Carex muricata* subsp. *pairae* (Small-fruited Prickly-sedge). Halton, SJ3010 3973, D. Williams & M.O. Stead, 19th Jun 2017, parking area to left of entrance to McDonald's.


Allium vineale (Wild Onion) (Nionyn Gwyllt). Denbigh Town East, SJ0606 6656, M.O. Stead, 15th Sep 2017, rough ground between fence and stream exit.

Crocus vernus (Spring Crocus) (Saffrwm y Gwanwyn). Llanynys East, SJ114 621, D. Williams, 11th Mar 2017, st. Sychan's Church, large patches naturalising; (+) Gellifor, SJ124 624, D. Williams, 19th Mar 2017, village, naturalising on banks.

Crocus tommasinianus (Early Crocus) (Saffrwm Cynnar). Gwaenynog, SJ03 65, E.F. Greenwood & B.D. Greenwood, 7th Mar 2017, a fine display in a field, abundant, by the Afon Ystrad.


Ranunculus lingua (Greater Spearwort) (Llafnlys Mawr). Rhyl, SJ02 80, BSBI ASM, 8th Jun 2017, rare in Flintshire.

Ranunculus penicillatus (Stream Water-crowfoot) (Crafanc-y-frân y Nant). Pen-y-felin, SJ15 69, BSBI ASM, 8th Jun 2017, rare in Flintshire.

Rorippa palustris (Marsh Yellow-cress) (Berwr Melyn y Gors). Pydew Farm, SJ04 81, BSBI ASM, 8th Jun 2017, scarce in Flintshire.

Lepidium heterophyllum (Smith's Pepperwort) (Pupurlys Amryddail). Mostyn, SJ16 80, J. Shanklin, 7th Jul 2017, scarce in Flintshire.

Coincya monensis. Deesside, SJ27 73, J. Shanklin, 1st Oct 2017, subspecies uncertain, but in any case, only the 4th record for Flintshire.

Crambe maritima (Sea-kale) (Ysgedd Arfor). Mostyn, SJ16 80, J. Shanklin, 7th Jul 2017, rare in Flintshire.

Samolus valerandi (Brookweed) (Claelys). Gronant Dunes, SJ09 84, BSBI ASM, 6th Jun 2017, scarce in Flintshire.

Rosa rubiginosa (Sweet-briar) (Drysiên Bêr). Llanelwy, SJ04 74, J. Shanklin, 2nd Oct 2017, rare in Flintshire; (+) Talacre dunes, SJ11 84, BSBI ASM, 8th Jun 2017, rare in Flintshire.

Rosa micrantha (Small-flowered Sweet-briar) (Drysiên Bêr Fân-flodeuog). Gronant Dunes, SJ09 84, BSBI ASM, 6th Jun 2017, rare in Flintshire; (+) Brynford South, SJ17 72, BSBI ASM, 7th Jun 2017, rare in Flintshire.


Veronica spicata (Spiked Speedwell) (Rhwyddflyn Pigfain). Graig Fawr, SJ05 80, BSBI ASM, 6th Jun 2017, rare in Flintshire.


Carex laevigata (Smooth-stalked Sedge) (Hesgen Lefn). Ty-newydd, SJ10 72, J. Shanklin, 8th Jul 2017, scarce in Flintshire.

Poa angustifolia (Narrow-leaved Meadow-grass) (Gweunwellt Culddail). Rhualtt, SJ07 75, BSBI ASM, 7th Jun 2017, scarce in Flintshire.

Catapodium marinum (Sea Fern-grass) (Gwenithwellt y Morfa). A55 verge, Rhuallt, SJ07 75, BSBI ASM, 7th Jun 2017, rare in Flintshire.

Parapholis strigosa (Hard-grass) (Caledwellt y Morfa). Gronant Dunes, SJ08 84, BSBI ASM, 6th Jun 2017, scarce in Flintshire.

Agrostis vinealis (Brown Bent) (Maeswellt-y-cwn y Mynydd). Graig Tremirchion, SJ08 72, J. Shanklin, 8th Jul 2017, rare in Flintshire.

Bromopsis erecta (Upright Brome) (Pawrwellt Talsyth). Dyserth, SJ06 78, BSBI ASM, 8th Jun 2017, scarce in Flintshire.

Dactylorhiza incarnata subsp. incarnata (a subspecies of Early Marsh-orchid). Talacre dunes, SJ11 84, BSBI ASM, 8th Jun 2017, rare in Flintshire.


Fumaria officinalis subsp. wirtgenii. SH6143 8086, I. Bonner & H. Knott, 28th May 2017, several plants on disturbed ground. 1st VCR for subspecies.


Lamprothamnium papulosum (Foxtail Stonewort). Inland Sea, SH278 788, T. Hatton-Ellis, 15th Aug 2017, just N of Four Mile Bridge, with Zostera noltei, 1st Welsh Record, Herb. THE

Carpobrotus edulis (Hottentot-fig) (Ffigysen yr Hotentot). SH3088 (SH3088), SH3000 8889, J. Rees & I. Rees, 24th Jun 2017, spreading onto coastal path.
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+052/1.1. *Tilia platyphyllos* (Large-leaved Lime) (Pisgwydden Dail Mawr). Henllys, SH59 77, N. Brown, 16th May 2017, 60 foot tree. 3rd VCR.


*057/1.01.a *Viola odorata var. dumetorum*. Llanidan, SH4918 6693, J. Rees & I. Rees, 1st Apr 2017, laneside.


+059/1.1.‡ *Frankenia laevis* (Sea-heath) (Grueilun Llyfn). Newborough SSSI, SH39 63, C. Metherell, Jul 2017, chris unable to recall any details. New hectad in DDb.


+069/4.2.‡ **Lysimachia nummularia** (Creeping-Jenny) (Siani Lusg). Maes y porth, SH45 65, Anglesey Flora Group, 4th Jul 2017, established along shaded tracks & rides.

+†071/HYD.mac. **Hydrangea macrophylla** (Hydrangea) (Trilliw ar Ddeg). Pen-yr-orsedd, SH3172 8382, D. Evans, 30th Jun 2016, established in corner of field, away from house.

+‡072/2.3. **Ribes nigrum** (Black Currant) (Llwyn Cwrens Duon). Pont Hwfa, SH23 82, D. Evans, 12th Jul 2016.


+073/5.5. **Sedum telephium** (Orpine) (Canewin). Llechcyfarwy, SH3833 8103, D. Evans, 26th Apr 2016, established on bank away from houses.

+074/05.19. **Saxifraga tridactylites** (Rue-leaved Saxifrage) (Tormaen Tribys). Holyhead, SH2489 8296, D. Evans, 18th Apr 2016, growing in gravel. Also at 2491.8270.

+‡075/11.3. **Fragaria ananassa** (Garden Strawberry) (Llwyn Mefus y Gerddi). SH3355 8562, D. Evans, 14th Jul 2016, established on both sides of lane.

*†075/34.1. **Mespilus germanica** (Medlar) (Merysbren). Maes y porth, SH45 65, Anglesey Flora Group, 4th Jul 2017, 2 trees planted near the walled garden.


+†078/1.1.‡ **Hippophae rhamnoides** (Sea-buckthorn) (Rhafnwydden y Môr). Red Wharf Bay, SH5597 8056, J. Rees & I. Rees, 30th Aug 2017, single bush on dune spit near the Tamarisk. Also single bush at 5527.8016.


+‡103/1.17. **Geranium macrorrhizum** (Rock Crane's-bill) (Pig-yr-aran Wreiddfa'wr). Pen-yr-orsedd, SH3165 8353, D. Evans, 30th Jun 2016, e. on verge, away from houses.


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‡111/3.1. Calystegia soldanella (Sea Bindweed) (Taglys Arfor). Traeth Lligwy, SH4949 8717, J. Rees & I. Rees, 4th Sep 2017, small patch, c, 2m. across amongst Marram grass.


‡116/04.4. Symphytum grandiflorum (Creeping Comfrey) (Cfarddwyf Usug). Rhosgoch, SH41 89, H. Knott, 26th Apr 2017, spreading into wooded shelter-belt.


‡118/05.2. Lamium maculatum (Spotted Dead-nettle) (Marddanhadlen Fraith). Trearddur, SH2614 7856, D. Evans, 20th Jun 2016, established away from houses on verge.

*118/06.4×5. Galeopsis ×ludwigii. Cefni Reservoir (SE Section), SH444 777, N. Brown, 1st Jul 2017, single plant, gravelly trackside.

‡118/23.3. Mentha spicata (Spear Mint) (Mintys Ysbigog). Trearddur, SH2643 7884, D. Evans, 27th Jun 2016, stanley Mill Lane, established on verge.


‡124/13.3. Linaria purpurea (Purple Toadflax) (Llin-y-illyffant Porffor). Trearddur, SH26 78, D. Evans, 20th Jun 2016, established on verge in housing estate, but away from houses.


‡135/43.1. Erigeron glaucus (Seaside Daisy) (Amrydylwyd Arfor). Trearddur, SH26 78, D. Evans, 20th Jun 2016, established on verge, Herb. DAE.


⁎135/71.2. Petasites japonicus (Giant Butterbur) (Yr Alan Mwyaf). Maes y porth,
SH45 65, Anglesey Flora Group, 4th Jul 2017, originally planted and now spreading, will require control.

*‡147/4.1. *Zantedeschia aethiopica* (Altar-lily) (Lili’r Pasg). Hebron, SH4581 8411, D. Evans, 22nd May 2016, established and spreading along the verge, originally from a garden.


*‡158/05.2. *Hemerocallis lilioasphodelus* (Yellow Day-lily) (Lili Undydd). Llyn Llywenan SSSI (N end), SH3480 8217, D. Evans, 11th Jul 2016, well established along lake shore. Also seen 2015.

*‡158/24.13.b. *Allium ampeloprasum var. babingtonii* (Babington’s Leek) ([Cenhinen Babington]). SH2900 8496, J. Rees & I. Rees, 24th Jun 2017, 1.6m. single spike, amongst bracken & bramble on sandy ground by road.


Images 5-8: see article about Windrush Farm, Pembrokeshire, page 5. © Matt Sutton.

Inside back cover images:

**Image 5:** Slender Club-rush (*Isolepis cernua*), quickly colonised this newly created woodland pool.

**Image 6:** Rough Hawkbit (*Leontodon hispidus*), abounds in the north-eastern corner of the meadows, perhaps accumulating here as a result of the prevailing winds?

Back cover images:

**Image 7:** *Molinia* pastures are summer grazed by a small suckler herd of Welsh Black x Hereford cattle.

**Image 8:** Idiosyncratic building design contributes to plant diversity.