



Flora News

Newsletter of the Hampshire & Isle of Wight Wildlife Trust's Flora Group

Dear Flora Group member

Welcome to this early year edition of *Flora News*. As usual we bring you notice of forthcoming field meetings for the new season, reports on last year's late summer and autumn meetings and a variety of other contributions. A good proportion of this issue is taken up with the eagerly anticipated lists of noteworthy and important plant finds over the last year, assiduously compiled by our two vice-county recorders, Martin Rand and Tony Mundell.

Quite a few of the photographs in this edition of *Flora News* seem to epitomise the unseasonably wet summer of 2012. Let's hope that the sun will shine on the Flora Group events arranged for this coming year! This year our Annual General Meeting (AGM) will be held on Sunday 12 May 2013 during a visit to the Forestry Commission's woodlands at Alice Holt in the north-east of Hampshire. Other areas being visited for the first time include Barton on Sea and Fishlake Meadows, Romsey. Martin Rand is organising more workshops on sedges this year, and also (due to popular demand) one on Willowherbs.

Please note that the proposed visit to Greywell Fen (referred to in the Autumn 2012 edition of *Flora News*) originally planned to take place on Sunday 30 June 2013 has had to be cancelled and will be re-scheduled for some time in 2014. Further details will be available in a future edition of *Flora News*.

As usual we are always keen to receive your suggestions for Flora Group events or activities. Please raise them at the AGM or pass your ideas to any of the Committee members - Sarah Ball (Chairman), Peter Billingham, Catherine Chatters, Clive Chatters, Gareth Knass, Tony Mundell, John Norton, Martin Rand, Vicky Russell and Neil Sanderson. We are also always keen for more people to provide contributions to *Flora News* on any relevant botanical topics including reports and photographs from field meetings. See the back page for further information.

Catherine Chatters
Flora Group Secretary

John Norton
Editor

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Forthcoming Events

There is normally no need to book a place on Flora Group events beforehand, unless the text specifically requests it. A contact telephone number is given only in case you wish to know more about the event. The leader can be expected to turn up whatever the weather (although the event may then be cancelled by mutual agreement!). Contact details for Martin Rand and Tony Mundell are also given on the last page of this newsletter.

Saturday 9 February 2013, 12 noon–4pm **Natural History Museum Herbarium, London** **Leader: Martin Rand**

This trip will be an opportunity to see the collections and work of the Herbarium. The emphasis will be on the British collections, but if you have a request for something specific you want to see, please let Martin know when you book.

Prior booking (by 1st February) is essential and numbers will be limited. Participants will be expected to make their own way to the Museum, but if anyone else plans to travel by rail from Southampton Parkway or Winchester and wants to be sociable, let Martin know. Full directions, including the rendezvous, will be provided after booking. We are very grateful to Fred Rumsey for giving his time to act as host for the meeting at the Museum.

Contact: Martin Rand, tel. 023 8036 0395, mobile 07531 461442, e-mail vc11recorder@hantsplants.org.uk.

Wednesday 20 March 2013, 9am–4.30pm **One-day conference focusing on the control of New Zealand Pygmyweed *Crassula helmsii*, Brockenhurst Village Hall, Highwood Road, Brockenhurst SO42 7RY** **Organiser: Catherine Chatters**

The highly invasive non-native New Zealand Pygmyweed *Crassula helmsii* is notoriously difficult to control and the New Forest Non-Native Plants Project is undertaking trials to find a way to eradicate it quickly and effectively whilst avoiding long-term harm to non-target species (i.e. our native plants and invertebrates). Techniques being trialled include hot organic foam and aquatic dye. Flora Group members are welcome to participate in a one-day conference to find out more about these techniques and other methods which are being used elsewhere in the UK and The Netherlands. For further details of the programme and to book a place please contact Catherine Chatters at CatherineC@hwt.org.uk or 023 8042 4205. **Booking is essential as space is limited.** A buffet lunch will be provided.

This event has been arranged in co-operation with the European Interreg-funded RINSE (Reducing the Impact of Invasive Species in Europe) Project which involves partner organisations in The Netherlands, Northern France, Belgium and the UK.



Sunday 7 April 2013, 10.30am–4pm **Winter annuals and coastal flora, Barton on Sea** **Leader: John Norton**

This coastal town currently lies within the political county of Dorset, but is still within VC11. The flora is reasonably well recorded, but there is potential to fill in a few gaps for early flowering winter annuals, such as Lesser Stitchwort *Stellaria pallida* and Early Meadow-grass *Poa infirma*. Musk Stork's-bill *Erodium moschatum* (which flowers all year round) should be plentiful here. We may also attempt vegetative identification of some coastal clovers. We will have a look around the sandy grassland and scrub habitats on the seafront, then walk east to the Becton Bunny cliffs on the Dorset/Hampshire border, returning via the golf course where the acidic vegetation should give up a few more interesting species.

Meet at the westernmost of the two seafront car parks, off Marine Drive SZ 236 930. Some of the walking will be on steep paths, so bring stout shoes.

Contact: John Norton, tel. 023 9252 0808, mobile 09872 257746, e-mail: john@jnecology.com.

Wednesday 17 April 2013, 10.30am–4pm **Manor Farm woodlands and River Hamble** **Leader: John Norton**

This midweek meeting has been arranged so that we can be shown around some of the extensive woodlands which lie within Hampshire County Council's Manor Farm Country Park. We have been asked to give feedback on some of the recent woodland management that has been carried out. The woodland here is some of the richest anywhere in Hampshire. We also hope to get down to the shore of the River Hamble to look at the saltmarsh and any coastal grassland present.

Meet at Barnfield car park, within Manor Farm Country Park. Come off the north/east side of the M27 at J8, take second right into Pyland's Lane and follow the signs. **Please book beforehand, by e-mail if possible, with your car registration so that car park permits may be obtained beforehand.**

Contact: John Norton, tel. 023 9252 0808, mobile 09872 257746, e-mail: john@jnecology.com.

Sunday 12 May 2013, 10.30am–4pm **Visit to Alice Holt Forest** **Leaders: Jay Doyle & Tony Mundell**

Jay Doyle is the Forestry Commission Ecologist for the South England Forest District. He has agreed to help lead this meeting. An area of 10 year old plantation on an ancient woodland site at Alice Holt Forest had its conifer component removed in 2003 and the natural regeneration is impressive. There are a number of wet seepage points and ditches. In March 2011 several new ponds were constructed to add to the site diversity. We will survey the plants that have regenerated. We will also look at plants in the adjacent Butterfly Conservation Reserve at Bentley Station Meadow.

Meet in the visitor's car park opposite the entrance to the Research Station at Alice Holt Lodge SU 8030 4270. The brief Flora Group AGM will be held during the lunch break. Please bring a packed lunch and suitable footwear for rough, wet ground. No need to book.

Contact: Jay Doyle, tel. 01483 326270.

Wednesday 15 May 2013, 7.30–9pm
Bisterne Manor Estate
Leader: Martin Rand

Due to the inclement weather our spring visit in 2012, though very successful, did not cover all the ground we had hoped. This evening visit will concentrate on recording an interesting-looking area of sandy grassland on the estate.

Please book (by 26 April) to receive meeting place details nearer the time. We aim to meet at the community hall, Bisterne, but may be able to combine in some cars to reach a point closer to the area.

Contact: Martin Rand, tel. 023 8036 0395, mobile 07531 461442, e-mail vc11recorder@hantsplants.org.uk.

Sunday 9 June 2013, 10am–4pm
Kitt's Grave, Martin
Leader: Martin Rand

This area of species-rich chalk grassland and scrub, recently acquired by the Wildlife Trust through a very generous donation, faces the main part of Martin Down National Nature Reserve across the Blandford–Salisbury road and lies on the county's farthest borders with Dorset and Wiltshire. It has ancient earthworks including prehistoric burial sites and the well-preserved *agger* of a Roman road. We shall aim to take a comprehensive early-season survey of the plant species growing there.

Meet at the main car park for Martin Down on the SE side of the A354, grid reference: SU 036 200. Bring packed lunch and refreshments: there are no shops or eating places anywhere nearby. Walking distance: 2-3km. **Note: some car thefts were reported from vehicles using the car park in 2012, so please clear your car of any valuables or other equipment and bring only what you intend to carry with you on the day.**

Contact: Martin Rand, tel. 023 8036 0395, mobile 07531 461442, e-mail vc11recorder@hantsplants.org.uk.

Sunday 30 June 2013
Proposed visit to Greywell Fen - CANCELLED

Please note that this proposed visit to Greywell Fen and the pumping station meadows (referred to in the Autumn 2012 edition of *Flora News*) has had to be cancelled and will be re-scheduled for some time in 2014. Further details will be available in a future edition of *Flora News*.

Saturday 6 July, 9.30am–4.30pm & Sunday 7 July 2013, 10am–4pm
Sedges Workshop, Hook area
Leader: Martin Rand

The aim of the weekend will be to help you understand the floral structure of Sedges, recognise the genera of

the family *Cyperaceae* found in Hampshire, and identify family members (particularly the genus *Carex*) using keys and field guides.

Saturday will be at North Warnborough, where the morning and early afternoon will be spent in the Village Hall and devoted to talks and practical sessions examining a wide range of material. We shall round off the day with a short walk seeing what we can find in the nearby Warnborough Greens.

Sunday will be a day spent on a field trip at Greywell Fen and Bartley Heath, to see a good range of species of different habitats.

Prior booking (by 7th June) is essential for this meeting, numbers will be limited, and there will be a charge of £4 per person (collectable on the Saturday) as a contribution to expenses. Attendees should preferably be prepared to attend both days, but anyone who can attend only on Saturday will be put on a waiting list and allocated any spare places after 7th June, on a 'first-come, first-served' basis. Workshop notes are included in the charge. We are grateful to the Wildlife Trust for supporting the hall hire for this meeting.

Contact: Martin Rand, tel. 023 8036 0395, mobile 07531 461442, e-mail vc11recorder@hantsplants.org.uk.

Saturday 13 July 2013, 10am–4.30pm
Butser Hill
Leader: Martin Rand

Butser Hill NNR is the highest hill on the South Downs, with chalk downland and semi-natural woodland extending over nearly 3km. It contains the deepest and most spectacular chalk coombe in Britain. It has characteristic chalk downland (ranging from steep north-facing scarps to xerothermic south-facing grasslands) with a small area of chalk heath on the summit, native Yew woods and small stands of Juniper. Historically it has a rich orchid flora that includes large populations of Frog Orchid *Coeloglossum viride*, but a number of the rarer species such as Musk Orchid *Herminium monorchis* and Man Orchid *Orchis anthropophora* have not been seen for some time, and we shall make a search for those that are in season. Other declining or localised chalkland species include Basil Thyme *Clinopodium acinos* and Round-headed Rampion *Phyteuma orbiculare*. Several species and hybrids of Eyebright *Euphrasia* and Rose *Rosa* are recorded here, and we shall examine populations found. But beginners should not be deterred, as there will be plenty of opportunity to learn the less recondite members of a typical southern chalk flora.

Prior booking (by 17th June) is required for this meeting, which is being held jointly with the national BSBI, and numbers will be limited. Full details of the meeting will be provided on booking, but please note that it will be fairly strenuous (for southern England!) and involve some very steep slopes. Walking distance: about 5km. Please let me know on booking whether you are bringing a car, as I shall then be able to obtain a free parking permit for you.

Contact: Martin Rand, tel. 023 8036 0395, mobile 07531 461442, e-mail vc11recorder@hantsplants.org.uk.

Saturday 20 July 2013, 10:30am–4pm

Fishlake Meadows, Romsey

Leader: Martin Rand

Fishlake Meadows is an intriguing site in the Test valley just north of Romsey. Part of the area has been artificially drained in the past and some has been used for horticulture and agriculture, but the drainage is now impeded and much of it acts as a flood plain buffer for the town. A varied marshland vegetation is re-establishing, and some areas of species-rich run-down wet pasture and calcareous fen remain from an earlier time. Further interest is provided by a branch of the Itchen (the 'Fish Lake') on its western side, the Barge Canal on its eastern side, and very wet spring-line woodland to the east.

The site is well known for its rich bird life but the flora has been less well studied. It is hoped that the site will come to be formally maintained for wildlife conservation, and records of the flora will contribute to the efforts towards this.

Meet and park at the southerly (unpaved) end of the Romsey World of Water car park, as far from the retail area as possible; entrance off Greatbridge Road at SU 3533 2252, then turn right inside the gate. Bring a packed lunch and refreshments for mid-day, but there is a café at the store for before and after the meeting. Much of the site is extremely wet and suitable footwear should be worn: wellingtons are recommended. Walking distance: about 3km (a lot will depend on the water levels).

We are grateful to the site's owner, Tom Hanslip, for permission to visit en masse, and to Mark Bradbury and the staff at Romsey World of Water for the use of their car park.

Contact: Martin Rand, tel. 023 8036 0395, mobile 07531 461442, e-mail vc11recorder@hantsplants.org.uk.

Sunday 21 July 2013, 10.30am–4pm

Visit to private land within Micheldever Spoil Heaps SSSI

Leader: Tony Mundell

For this visit we will survey parts of the chalk spoil heaps that are on the opposite (east) side of the railway line from the Hants and Isle of Wight Wildlife Trust Reserve. This is private land that is normally inaccessible, and as the habitat is so similar we can expect to find at least some of the rarities that feature on the Reserve such as Dwarf Mouse-ear *Cerastium pumilum*, Red Hemp-nettle *Galeopsis angustifolia*, Wall Bedstraw *Galium parisiense*, Spring Cinquefoil *Potentilla tabernaemontani*, Cut-leaved Germander *Teucrium botrys* and Mat-grass Fescue *Vulpia unilateralis*.

Prior booking (by 17 June at latest) is essential as numbers will be limited on a 'first-come, first-served' basis. This is likely to be popular so book as soon as you can.

Contact: Tony Mundell, tel. 01252 614516, e-mail vc12recorder@hantsplants.org.uk.

Sunday 28 July 2013, 10:30am–4pm

New Forest stream restorations

Leader: Martin Rand

Many of the New Forest streams have been canalised and over-deepened over the last century and a half, and some buried in plantation forestry. During the last two decades significant conservation funding and effort has gone into 're-wilding' some of them and releasing them from dense shade. This has led to some spectacular wildlife gains, as these mostly oligotrophic to mesotrophic waters flow across some of the least polluted land in lowland England. However the project has not always been free of local controversy. We hope that the meeting will help to demonstrate, and collect further evidence for, the value of the exercise. Attendees can expect to see a good range of aquatic and marshland plants and associated invertebrate life.

Prior booking (by 17th June) is required for this meeting, which is being held jointly with the national BSBI. Numbers will not be limited except *in extremis*, but the leader needs to know in advance how many people to expect. The meeting will start from Puttles Bridge in the Rhinefield area; full details of the meeting will be provided on booking. Walking distance: 6-9km depending on ground conditions, but including wet and uneven ground.

Contact: Martin Rand, tel. 023 8036 0395, mobile 07531 461442, e-mail vc11recorder@hantsplants.org.uk.

Wednesday 31st July 2013, 10:30am–3:30pm

Willowherb Workshop, Blashford Lakes Study Centre

Leaders: Martin Rand and Mike Rowe

If you struggle with Willowherb species, never mind all those pesky hybrids, this is the workshop for you. We hope to assemble a large selection of the Willowherbs growing wild in lowland England for you to study indoors with lenses and handbooks, followed by a short foray walking out from the Study Centre.

Prior booking (by 7th June) is essential for this meeting; numbers will be limited and there will be a charge of £2 per person (collectable on the day) as a contribution to expenses. Full details will be provided on booking. Bring a packed lunch; there will be facilities for making hot drinks at the Centre, for which a small donation is requested.

Contact: Martin Rand, tel. 023 8036 0395, mobile 07531 461442, e-mail vc11recorder@hantsplants.org.uk.

Sunday 11 Aug 2013, 10.30am–4pm

Visit to Bramshill

Leader: Tony Mundell

The Hampshire Flora Group last visited this area in 2010, though at that time we concentrated on the Heath Warren area south of the road. Since then numerous new ponds have been constructed within Bramshill Plantation to enhance the biodiversity. We will survey these new ponds as well as visiting well-established ponds and track-sides which have a rich flora, including Lesser Marshwort *Apium inundatum*, Round-leaved Sundew *Drosera rotundifolia*, Needle Spike-rush *Eleocharis acicularis*, Small Cudweed *Filago minima*, Common Cudweed *F. vulgaris*, Yellow

Bartsia *Parentucellia viscosa*, Pillwort *Pilularia globulifera* and Greater Spearwort *Ranunculus lingua*.

Meet in the sandy car park at SU760613 on the north side of the minor road through Bramshill. Bring a packed lunch and suitable footwear for mud and ponds. No need to book.

Contact: Tony Mundell, tel. 01252 614516, e-mail vc12recorder@hantsplants.org.uk.

Sunday 18 August 2013, 10.30am–4pm
Visit to Highclere Castle Park
Leader: Tony Mundell

Highclere Park is the only site in North Hampshire where the rare Field Gentian has been recorded in recent years. It was last fully surveyed in 2004. The purpose of the visit is to resurvey the Gentian and the area generally.

Meet by the hut at the car park just west of the bridge over the A34 dual carriageway on the road between Highclere and Burghclere, SU 4592 6051.

Contact: Peter Billingham (the organiser), tel. 01264 736359.

Sunday 1 September 2013, 10am–1pm
Marsh Gentian Count at Bartley Heath
Leader: Peter Vaughan

Bartley Heath, a HIWWT reserve, is the last remaining location in North Hampshire for the Marsh Gentian *Gentiana pneumonanthe*. Help take part in this annual event to count and record how the plant is responding to current management at the site, including a major birch clearance during autumn 2012. There will be an opportunity to see other humid heathland species. Please note that the count will involve walking approximately 2km over ground, which is uneven in places. Bring a picnic for lunch after the count. No dogs please. Park and meet in the reserve car park off the B3349, SU 726 533. Contact: Peter Vaughan, tel. 01256 764225.

OTHER SURVEY MEETINGS

Martin and Tony will again be making many trips into the field in 2013 for the BSBI's national distribution atlas project, Atlas 2020. They welcome company (in small numbers) on these trips, and details will be posted from time to time before and during the season on the Hants Plants diary: <http://hantsplants.org.uk/diary.php>.

These are completely informal gatherings, not official meetings of the Flora Group or Wildlife Trust, and you come to them entirely at your own risk. To arrange to attend, please ring Martin (for South Hampshire) or Tony (for North Hampshire), to check that the meeting is going ahead as advertised and to arrange a rendezvous.

Reports of Recent Events

Sedges Workshop (South) Blashford Lakes Saturday/Sunday 16/17 June 2012

A report by Sarah Ball

Martin Rand, ably abetted by John Poland, once again pulled out all the stops for the sedges workshop (another is planned for the Hook area in the North of the county on the weekend of 6/7 July 2013).

We started indoors, working through examples from the 44-page handbook, starting with how to distinguish sedges from similar brown and green flowered plants: rushes have a conventional monocot flower with tepals in two whorls of three and auricles, not adnate ligules (fused to the blade); grasses have hollow stems except at the nodes, free ligules or a fringe of hairs and flowers in spikelets subtended by two glumes. Sedges have a perianth reduced to bristles (the 'flower' is actually bracts) sitting at the base of a single glume; in most sedges the seeds are borne as an exposed nut but some (e.g. *Carex* species) have the seed enclosed in a utricle. Most but not all sedges have three-sided stems and leaves are alternate, more or less in threes. Most ID depends on inflorescence patterns but vegetative ID includes leaf cross-sections ('V', 'U' or 'M') and growth patterns of the rhizomes (sympodial growth causes even stands or tussocks with a tangled nest of roots and shoots; monopodial growth gives rise to periodic tufts in lines).

We examined a wide selection of specimens, attempting to identify them using the keys in the handbook in which species are grouped according to inflorescence spike morphology; arrangement of male and female spikes; floral structure, nuts and glumes, etc. This enabled us quite quickly to sort out members of the Cyperaceae other than *Carex*. Then the fun really started. There is a key directing you to one of 13 tables in the handbook, each also with some helpful illustrations of finer points, to help identify the *Carex* species. While not always easy we all got there in the end with some gentle direction from our tutors!

The afternoon was spent trying to put our new-found knowledge into practice by looking at specimens around the Blashford Lakes sites, including *Carex leporina*, *C. remota*, *C. muricata*, *C. spicata*, *C. pseudocyperus*, *C. flacca* and *C. panicea*. The next day was spent entirely in the field at the Wilverley and Holmsley area of the New Forest where participants were able to get to grips with many species including New Forest rarities such as *Carex montana* and *Carex limosa*, as well as a wide range of the commoner heath and bog species such as *Trichophorum germanicum*, *Eleocharis multicaulis*, *Eriophorum angustifolium*, *Rhynchospora alba*, *Carex pilulifera*, *Carex echinata* and *Carex nigra*.

Ferns in Hampshire Workshop 22 July 2012

A report by Gareth Knass



Fern-hunters in Wilverley Inclosure – Gareth Knass

A full quota of people turned out for Martin Rand's ferns workshop on 22 July 2012. This was held at Blashford Lakes HIWWT reserve education centre where a series of books, workshop notes and a selection of ferns to examine had been brought together for the meeting. The morning session was spent looking in depth at fern biology and their life cycle, followed by running through basic and advanced identification features for each species group in a Hampshire context. This involved Martin providing information first hand and through the workshop notes, and allowing groups within the workshop time to run through a key at the back of the workshop notes to put names to the samples collected for the meeting.

The samples we found were of a mixture of regularly occurring species in a Hampshire context, and a couple of the less regular species. These included a good look at some of the *Dryopteris* genus including Male Fern *Dryopteris filix-mas*, Golden Scaly Male Fern *D. affinis* ssp. *affinis*, Borrer's Male Fern *D. borrieri*, and both Broad Buckler and Narrow Buckler Ferns *D. dilatata* and *D. carthusiana*. We also had a look first hand at the differences of species within the *Polypodium* genus (Polypody ferns).

After the morning session we all reconvened following lunch in the New Forest south east of Burley to look at some of the species we had talked about in the field at Wilverley Inclosure. Being first to arrive Peter Billinghamurst and I had a wander around the car park and found an area of abundant Coral-necklace *Illecebrum verticillatum* in a wet gully on the edge of the Inclosure as well as good numbers of calling Wood Crickets *Nemobius sylvestris* – classic New Forest flora and fauna. Our fern trek however was into the plantation, and the dark shady areas, where we found a good diversity of ferns including Broad and Narrow Buckler Ferns and their hybrid *Dryopteris x deweveri*, Male Fern, the Scaly Male Fern *D. affinis* subsp. *paleaceolobata* and a good candidate for Narrow Male Fern *D. cambrensis*. The latter, according to Martin's notes is a 'rather problematic plant in Hampshire!' This is on account of the populations in this part of the world not conforming strictly to form in its usual upland haunts of the UK, giving even the experts problems in assigning them.

The star fern of the afternoon, and one Martin really wanted to show us, was the Hay-scented Buckler Fern *D. aemula*. It was not found in Hampshire until 1987, but now has a couple of stable populations. On a rather roundabout route to the main population, as Martin took a wrong turn down one of the rides, we fortuitously found a single specimen of *D. aemula* in a new part of the Inclosure, as well as seeing another fern with more upland affinities, the Lemon-scented Fern *Oreopteris limbosperma* (the young fronds having a distinct if sometimes subtle lemon scent). After our minor detour we got back on the correct ride and Martin showed us the main Hay-scented Buckler Fern population, where we all admired the crinkly appearance of the fronds, which on some specimens was very obvious, along with a few other features such as the rapidly thickening purplish stipe, and the large divided basal pinnule.



Hay-scented Buckler Fern showing crinkly appearance of fronds – Gareth Knass



Lemon-scented Fern showing sori at margins of pinnule – Gareth Knass

After this success a few members of the group headed to a nearby population of Marsh Fern *Thelypteris palustris* near Burley, where we attempted to access the wet boggy woodland where the fern grows, only to be thwarted by flooding, such was the summer of 2012 – at least we enjoyed some rare sunshine on our afternoon excursions! Thanks go to Martin for an informative workshop and an interesting look at some of the scarcer ferns of Hampshire.

Visit to Liss Forest on 4 August 2012

A report by Tony Mundell

I did a 'recce' to decide on the route for this trip on 30 July and took the opportunity to note the precise locations of the more interesting plants. So for the visit itself I was able to use the 'GoTo' facility on my GPS to re-locate each plant in turn. Our small party started with a bush of Sweet-briar *Rosa rubiginosa*. Admittedly wild roses are an acquired taste and it is quite difficult to get to grips with recognising different species when such a high proportion of the plants seen in the wild are confusing natural hybrids.

We then looked at several patches of Dodder *Cuscuta epithymum* on a fire-break of mown heather – its typical habitat. Presumably the parasitic Dodder seedlings find it easier to penetrate the tissues of the fresh young heather shoots that sprout following mowing. A very wet sandy track had masses of Coral Necklace *Illecebrum verticillatum*, occurring in numerous separate patches around puddles along hundreds of metres of the track. It is remarkable how this has been spread, presumably by military vehicles, on the army training heaths at Liss Forest, Bordon and Aldershot since its first discovery in North Hampshire in 2005.

We were able to compare the fruits of Agrimony *Agrimonia eupatoria* and the scarcer Fragrant Agrimony *Agrimonia procera*. Their shape is a more reliable distinguishing character than the plant's smell. I was pleased to add a new spot for Mossy Stonecrop *Crassula tillaea* and we also found Flattened Meadow-grass *Poa compressa*, previously unknown in the whole 10km square. A ditch had a remarkable collection of different ferns all within a few metres, so we were able to compare Male Fern *Dryopteris filix-mas*, Lady Fern *Athyrium filix-femina*, Broad Buckler Fern *Dryopteris dilatata*, Narrow Buckler Fern *D. carthusiana*, Scaly Male Fern *D. affinis*, Hard Fern *Blechnum spicant* and Lemon-scented Fern *Oreopteris limbosperma*.

We lunched near some colonies of Yellow Bartsia *Parentucellia viscosa* and also looked at commoner species like Eyebright *Euphrasia nemorosa* and Common Stork's-bill *Erodium cicutarium*. Beside the main gravel path we saw several patches of Common Wintergreen *Pyrola minor*, but of course the attractive flowers were all over. The next stops gave us Small Cudweed *Filago minima*, Buck's-horn Plantain *Plantago coronopus*, Early Hair-grass *Aira praecox*, Heath Rush *Juncus squarrosus* and Slender Rush *Juncus tenuis*.

With some difficulty I managed to re-find some very tiny plants of Allseed *Radiola linoides* and Bristle Club-rush *Isolepis setacea* close to a colony of Round-leaved Sundew *Drosera rotundifolia*. After a look at a large colony of Heath Cudweed *Gnaphalium sylvaticum* we diverted off my planned route, found much more Coral Necklace *Illecebrum verticillatum* and then took the easy route back along the main gravel track.

Visit to Hawley Common & Hawley Lake on 18 August 2012

A report by Tony Mundell

Quite a large party assembled at the Army Sail Training Centre and set out at a snail's (= botanist's) pace across Hawley Common. Martin Rand accepted the challenge to note every plant seen, as a contribution to the 'Atlas 2020' project, and made about 260 records spread across the two 1km squares SU8357 and SU8358 that we visited. We 'clicked-up' many species before even leaving the car park, including Great Brome *Anisantha diandra* and Alsike Clover *Trifolium hybridum*.

Of course the botanically richest spots were the damper heathland areas and the ditch sides. These gave us Bog Pimpernel *Anagallis tenella*, Oblong-leaved Sundew *Drosera intermedia*, Round-leaved Sundew *D. rotundifolia*, Common Cottongrass *Eriophorum angustifolium*, Marsh St John's-wort *Hypericum elodes*, Marsh Clubmoss *Lycopodiella inundata*, Bog Asphodel *Narthecium ossifragum*, Royal Fern *Osmunda regalis* and White Beak-sedge *Rhynchospora alba*. On drier areas, especially the mown heathy fire breaks or the sandy track sides, we found Bristle Bent *Agrostis curtisii*, Brown Bent *Agrostis vinealis*, Blue Fleabane *Erigeron acer*, Small Cudweed *Filago minima*, Common Cudweed *Filago vulgaris*, Dyer's Greenweed *Genista tinctoria* and Heath Cudweed *Gnaphalium sylvaticum*. We were all fooled into thinking we had found a hybrid between Bell Heather *Erica cinerea* and Cross-leaved Heath *Erica tetralix* when we came across a patch with pale salmon pink flowers that were in tight umbel-like clusters at the top of the stems but with foliage exactly matching *E. cinerea*. In fact it turned out to be just a form of *E. cinerea*.

An area of introduced and disturbed soil added many species, some of them more typical of arable land. Examples here were Small Toadflax *Chaenorhinum minus*, Viper's Bugloss *Echium vulgare*, Common Poppy *Papaver rhoeas* and Hawkweed Oxtongue *Picris hieracioides*. In the event we did not have time to visit the shore of Hawley Lake but I had not found many extra species there when I had checked out the route on 13 August. Much of the lake shore is infested with impenetrable Rhododendron, though in one place there are a few plants of White Sedge *Carex curta*.

Visit to Pennington / Keyhaven on 23 September 2012

A report by Martin Rand

Never let it be said that the Hampshire Flora Group aren't an intrepid bunch. Despite bad weather already whistling about our ears and the promise of worse to come, seven people assembled in a rain-lashed Keyhaven car park in order to finish the season much as we'd started it at Bisterne in April – cold, wet, with recording sheets sodden and hand-lenses misted up. We passed some pleasant time joshing the leader of the HOS census party arranged for the same day, who curiously had no takers. He left

shortly after, muttering some feeble excuse about no birds to be seen anyway.

Pete Durnell told us that we wouldn't be able to fulfil the main aim of the meeting, the survey of plant re-colonisation of the lagoons that had been flooded with brackish water to control *Crassula helmsii*, the water being too deep. So we set off to do the best we could in the area on the north side of the Fishtail Lagoon on Pennington Marshes. The total list of records that the leader felt capable of writing into his waterproof notebook was short (just 21) but quite choice. We found yet another large population of Oak-leaved Goosefoot *Chenopodium glaucum* to the north of the lagoon, taking it into a new grid square, and farther back in the brackish pasture Parsley Water-dropwort *Oenanthe lachenalii*, Brackish Water-crowfoot *Ranunculus baudotii* in a small pan, and a sward of the hybrid between the rare Bulbous Foxtail and the much commoner Marsh Foxtail, *Alopecurus x plettkei*. Interestingly, the ridge of gravel scraped to help form the lagoon had acquired quite a good shingle beach flora, including Sea Campion *Silene uniflora* and the shore form of Curled Dock, *Rumex crispus* subsp. *littoreus*. Extensive patches of Spike-rush *Eleocharis* were examined in the hope of finding Slender Spike-rush *E. uniglumis*, but they refused to help out and remained staunchly Common (*E. palustris*). No-one felt much inclined to try and segregate subspecies.

After two hours most of us were getting damp in places which we usually only get damp in the bath, and it was getting ever harder to stay vertical. One day Mike Rowe will have to explain the workings of his Magic Umbrella, which not only failed to turn inside out, but apparently kept him completely dry without any support from a waterproof garment (see photo below). On a more serious note, it had become apparent during the walk that any hope of controlling New Zealand Pygmyweed *Crassula helmsii* over much of the Reserve was lost, it being so utterly pervasive in the damp open turf.



Mike Rowe and his 'magic umbrella' – Catherine Chatters

News and Views

Ash Die Back

A note by Clive Chatters

All members will be aware of concerns regarding Ash die back. We predict it is matter of 'when' rather than 'if' this tree disease is first reported in Hampshire or on the Island.

Please do exercise common sense when visiting sites to minimise the risk of transmission. There is little we can do about spores in the air but we can ensure we are not moving ash leaves from site to site on our clothing or in our vehicles. Please be particularly careful if travelling from infected parts of England back home.

The Forestry Commission have excellent web pages dealing with the matter. This covers information about the disease, how to identify and report diseased plants together with how to reduce the risk of spreading the infection: <http://www.forestry.gov.uk/chalara>.

Book Review by Sarah Ball

Mushrooms – the natural and human world of British Fungi by Peter Marren

October 2012, British Wildlife Publishing, 272pp, c.200 full colour photographs, hardback, RRP £24.95.

'Mushrooms' is the first in 'The British Wildlife Collection' a major new series of books on British natural history – (the second 'Meadows' by George Peterken is due out in Spring 2013).

'Mushrooms' is a beautifully illustrated and very readable discourse about fungi; it is peppered with anecdotes and fascinating facts about what they are, how they function, their habitats, their role in ecosystems and how they fit into our world, including their edibility/toxicity and most importantly their conservation. Peter Marren starts with an outline of his mycological background which shows that he was indeed well suited to the task. He enthuses about what strange organisms fungi are, explaining why they are neither plants nor animals (it is amazing to read that there are at least five species of fungi for every wild flower in Britain). He then takes us on a pleasant ramble through the world of fungi.

'What's in a name?' 'Mushrooms' focuses on fungi that produce fruiting bodies with a cap and stalk or other above-ground structures (only the British have two words to distinguish between mushrooms and other toadstools when they are basically the same thing), although it does touch on some of the many thousands of species of microfungi such as those that cause leaf spots and moulds. There follow some interesting histories about how some of the most distinctive 'mushrooms' acquired their names.

While this book is not a field guide there is a useful section describing the main groups of the larger fungi found in Britain, with essential information about where they grow and which plants or other organisms they associate with (as saprophytes, parasites, symbionts, mycorrhizal). There

is also a review of currently available field guides if you want to further your ID skills.

We are treated to the delights of fungal foraging both for the sheer range and variety of mushrooms and for the culinary possibilities. In a chapter entitled 'the good, the bad and the crazy', edible versus toxic and hallucinatory mushrooms are featured with some suitably cautionary tales!

Conservation issues are also well covered. Habitat decline is one of the main reasons for losses of fungal species, for example, elm trees and old grassland, but some have adapted to gardens, churchyards and pastures (dung is an important fungus habitat in its own right). A large section is devoted to grassland mushrooms, especially waxcaps ('fungal flowers'), because they are valuable biological indicators (yet they were only recognised and named in the 1990s and are not covered at all in the older field guides). The book ends with the current state of play in the identification and monitoring of threatened fungal species; this is far less well developed than for plants and animals but it is encouraging to note that progress is being made. Species Action Plans are being drawn up in Britain thus recognising that fungi do matter, but attention needs to be given to educating future experts able to gather evidence on fungal diversity (expert mycologists are a dying breed), agreeing on conservation mechanisms, codes of conduct and public awareness. If this book helps progress on all these fronts it will certainly serve a valuable purpose.

There are superb photographs throughout, a comprehensive bibliography and a useful index that includes fungus names (scientific and vernacular), symptoms, habitats, people and organisations and some of the key topics. This inspiring book will undoubtedly encourage people to get out and look at fungi and I can recommend it for your own bookshelves or as a gift for anyone interested in natural history.

Community Wildlife Plans Project: New project starting in seven areas on the outskirts of The New Forest National Park

A note by Angela Peters, Community Wildlife Plans Project Officer

A new twelve month project has just started which aims to work with communities in seven areas on the outskirts of the New Forest National Park to get local 'wildlife champions' involved in recording wildlife in their local areas. I formerly worked for the National Trust in Purbeck and am now leading this project in the New Forest and am looking for people who might want to get involved. The project will be working in Milford on Sea, New Milton, Hordle, Godshill, Landford, Wellow and Marchwood. We aim to run field days and workshops in these areas for local people to learn more about the wildlife on their doorstep and enable them to get involved in surveying their local areas for wildlife. The project aims to work with these communities to produce a wildlife map of their area, and an action plan for conserving it. Please see <http://www.newforestnpa.gov.uk/looking-after/wildlife/wildlife-plans> for more information and contact me on 01590 646654/ 07880 197351 or via e-mail at angela.peters@nflandadvice.org.uk if you would like to get involved or would like further information.

The New Forest Non-Native Plants Project

A brief update by Catherine Chatters

The New Forest Non-Native Plants Project is hosted by Hampshire & Isle of Wight Wildlife Trust and is funded by a partnership of organisations to stop the spread of invasive non-native plants in the New Forest area, particularly along watercourses and in wetland habitats. The Project commenced in 2009 and was originally funded until May 2012 but, thanks to further generous funding from the Environment Agency, the Project can continue for another three years.

I have been delighted by the co-operative response from landowners and the tremendous help given by lots of enthusiastic volunteers. Even the torrential rain experienced in 2012 did not deter volunteers from valiantly turning up to participate in Himalayan balsam-pulling tasks although admittedly I did have to cancel one event when the Lymington River was so flooded that the work site and adjacent fields were completely underwater. A number of balsam-pulling tasks had to be re-located at short notice not only because of flooding but (satisfyingly) because the hard work undertaken by volunteers in previous years meant that there were insufficient balsam plants there last summer to keep a work party occupied. The significant Himalayan balsam population on the Lymington River has very nearly been eliminated from Brockenhurst downstream to Boldre; this success has been due to a combination of factors including: (a) a systematic approach, (b) co-operation from all relevant landowners, (c) thorough work by well-motivated volunteers, and (d) repeated 'patrolling' into the autumn to pull any late-germinating plants.



**Even the heavy rain of summer 2012 did not deter keen volunteers from enthusiastically pulling Himalayan balsam
– Catherine Chatters**



The heavy rain and flooding along the Lymington River last summer proved challenging to the New Forest Non-Native Plants Project! – Catherine Chatters

Next year work on the Lymington catchment will focus on the tributaries (Passford Water and the Mill Lawn Brook) and the difficult-to-access wet woodland downstream of Boldre. I will also be focusing effort on the Cadnam River and the Avon Water.

I would like to thank everyone who volunteered to join a balsam-pull last year. If anyone would like to help out with balsam-pulling in summer 2013, please contact me for further information and a detailed list of work parties at CatherineC@hwt.org.uk or on 023 8042 4205.

Small Fleabane and Grazing on the New Forest

A note by Clive Chatters



Small Fleabane *Pulicaria vulgaris* – Tony Mundell

Over the years the Flora Group has undertaken a number of surveys of Small Fleabane *Pulicaria vulgaris*. Formerly widespread throughout lowland England this annual plant of village greens and waysides is now confined to the New Forest and the Avon Valley.

Surrey Wildlife Trust is looking to revive their last known population of Small Fleabane near Guildford and have raised the question of 'how much grazing is needed'. We know this is a plant of year-round hard-grazed and seasonally-muddy habitats; can 'hard grazing' and 'muddy' be quantified?

In the New Forest the Cadnam Green population of Small Fleabane occupies the greens, waysides and heathland edges of the Bramshaw Commons. Around Cadnam Green the communally grazed habitats of Small Fleabane are found threaded through the lanes and greens of about 1 km² of Forest edge farmland. The common grazed habitats supporting Small Fleabane occupy an area of some 6.7 ha. There are two Commoners' holdings where livestock are turned out directly onto Cadnam Green. Other livestock are however free to wander in from any other part of the open Forest.

This summer I counted the animals grazing the Small Fleabane populations. Using John Nix's approach to 'Livestock Units' I recorded grazing pressures ranging from 6.35 to 7.20 livestock units days/hectare. The livestock units were 53% equine (Forest ponies and Shetland ponies), 44% cattle and 3% pigs. These figures should be treated with due caution as they are mere snapshots in a constantly changing situation. However, they reflect the reality of when the counts were taken.

From looking at the loss of Fleabane populations elsewhere in the Forest it appears that hard grazing alone does not maintain the populations. Populations have died out in places such as South Wiers, Ashurst and Lyndhurst from greens that are hard grazed but without commoners directly turning out stock from adjacent holdings. The concentration of livestock around holdings appears to be an important factor in maintaining Fleabane populations.

A few years ago I took photographs to estimate how muddy Cadnam Green became in the depth of a wet winter (not shown here). Animals hanging around farm gates are very effective in making the place muddy. These photographs illustrate a fairly consistent 80% mud and 20% vegetation across the Green. On close inspection significant areas of muddy ground were actually mud spreading out over a well vegetated sward. There is a lot of bare ground generated each winter but this may be less than is first apparent. The substantial areas of vegetation beneath the mud would help explain the rapid recovery of the greensward in spring with a scarcity of bare ground by early summer. By this season the bare patches are grassing over and the seedlings of the Small Fleabane are well established and growing away.

Cadnam Green is a small part of the much larger grazing unit of the open Forest covering some 20,000 hectares and supporting over 7000 head of livestock. Grazing pressures vary considerably across the Forest. Those variations may relate to daily movements of individual herds or broader

changes arising from of the overall number and distribution of stock turned out on the commons.

From personal experience the grazing pressures on Cadnam Green are amongst the highest in the Forest. This concentration of livestock maintains what is one of the Forest's botanical gems.



The high grazing pressures maintain a sward of Chamomile, Pennyroyal and Small Fleabane – Clive Chatters

Flora Group / BSBI Exhibition Meeting at Testwood Lakes on 8 December 2012

A report by Catherine Chatters

Many thanks to Tony Mundell and Martin Rand for organising another highly enjoyable and interesting winter botanical get-together at Testwood Lakes Centre. Nearly 40 botanists appreciated the opportunity to discuss plants found in 2012 and to look forward to more recording during the coming year. As usual there were plenty of exhibits to examine and everyone admired the stunning photographs of helleborines taken so skilfully by Rosemary Webb and Nigel Johnson.

After enjoying a buffet lunch, we were entertained and educated by seven speakers who gave presentations on a wide range of topics. Tim Norriss focused on food plants for particular moths and encouraged us to pass on records of the location of certain plants so that they can be checked by the entomologists (see report opposite). Peter Burrows shared his observations of plants associated with the New Forest and Clive Chatters reflected on plants observed

during Flora Group events in the uncharacteristically wet year of 2012; his talk featured plenty of umbrellas and very wet-looking botanists! John Norton showed some photos of less common plants taken at Titchfield Haven and Gosport, and Tony Mundell recounted the discovery of the rare native Green Hound's-tongue in Hampshire (see p. 23). Felicity Woodhead introduced us to a non-native plant she had discovered growing on a rock whilst she was waiting for a ferry in Scotland. The afternoon session concluded with a most interesting presentation by Catherine Pascoe, a mature student at Reading University, who is studying the distribution of Field Gentian *Gentianella campestris* and Autumn Lady's-tresses *Spiranthes spiralis* on Wilverley Plain in the New Forest. Many thanks to everyone for such interesting, well-illustrated talks.

Thanks are also due to Clare Rand and Pat Mundell for making us all so welcome with copious cups of tea and coffee and refreshments throughout the day.



Top: Andrew Powling and Martin Rand; below: Rosemary Webb with her orchid photographs – Catherine Chatters

Plants and Moth Associations

A report on Tim Norriss's talk at the Exhibition Meeting by Lynn Fomison

Tim Norriss, the county's macro moth recorder, prefaced his talk with a 'thank you' for the plant records that helped him track down some of the less common moths associated with certain less common plants.

The RDB micro moth *Coleophora vibicella* is associated with Dyer's Greenweed *Genista tinctoria*. Only six breeding

colonies are known in the whole country, with three sites in Hampshire and one on the Isle of Wight. Tim said the caterpillars were very easy to find in June when they feed on the plant in a striking 20mm black tubular case made of silk.



Pterophorus spilodactylus, a Plume moth breeds on White Horehound *Marrubium vulgare*. The moth, which flies in June and July, has been found at both coastal and inland locations on the Isle of Wight. Although White Horehound has been found in scattered localities in both North and South Hants Martin Rand advised that only one plant is currently known in the county.



Another Plume Moth *Hellinsia carphodactyla* has caterpillars that feed inside the base of the stems of Ploughman's Spikenard *Inula conyza* during the winter. Tim said that if wilted plants are found in spring it can be an indication that there is a caterpillar present.

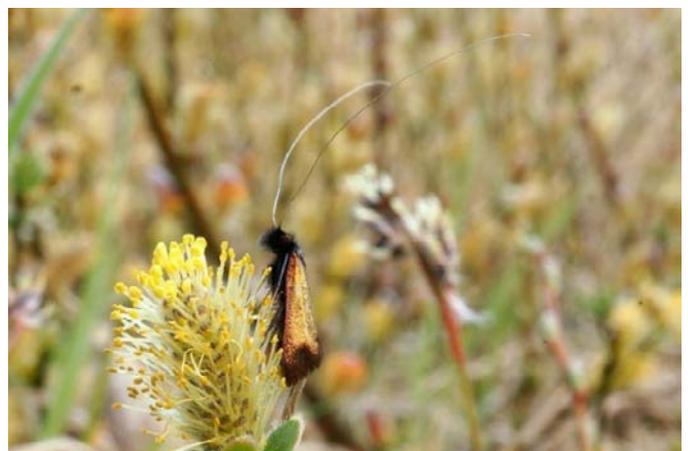


Golden-rod *Solidago virgaurea* is a relatively uncommon plant but is a food plant of more than 25 moth species including the scarce Bleached Pug, Golden-rod Pug and *Coleophora virgaureata*. The latter has a caterpillar that creates a case from the stamens of the flowers so it can feed safely.



Many adult moths feed on the catkins of Goat Willow *Salix caprea* in spring.

The beautiful day-flying long-horned moth *Adela cuprella* is a species that lays its eggs on the catkins. The young caterpillars drop to the ground and feed in cases made from dead leaves. The males can be very obvious on still, sunny days with their long white antennae showing during their dancing display flights at the tops of the bushes.



Depressaria daucella has a beautiful, distinctive caterpillar that feeds in June on Hemlock Water Dropwort *Oenanthe crocata*, and other Water Dropworts.

Initially they feed in the flower head inside a web. The tightly woven heads have a tendency to turn quite brown and so are easily spotted.



Tim highlighted the danger of moths being wiped out through untimely management. For the Golden Rod Pug the untimely cutting of rides in woodland before the Golden Rod sets seeds and the caterpillars pupate in the ground is obviously a threat. The colony of *Depressaria daucella* on an Isle of Wight road verge would have been seriously depleted when the verge was cut in August, as the caterpillars pupate inside the stem. Tim mentioned that Plantlife will be continuing their campaign against inappropriate verge cutting again in 2013 to persuade Councils to place a greater emphasis on conservation.

Tim will welcome any observations of caterpillars on plants, with good photographs, e-mail: tim@kitsmail.com. Further information, pictures and distribution maps can be found at www.hantsmoths.org.uk.

Photos in this article are by Tim Norriss and Dave Cooke.

Recording

Some Under-recorded Winter Annuals - Start your Botanising in January!

John Norton

The South Coast is experiencing another mild, very wet winter as I write this, but this is good news for a suite of plants which are probably best referred to as 'winter annuals', though in fact many grow and flower all year round. We all know that annuals in general are species that propagate themselves from seed and have a short growing cycle (usually considerably less than a year despite the name). Winter annuals tend to germinate in the autumn,

then grow throughout the winter, producing flowers in the early spring, i.e. February to March. However, with our increasingly mild winters such species are starting to produce flower buds as soon as day length starts to increase – so it is now not unusual to see familiar species such as Hairy Bitter-cress *Cardamine hirsuta* and Common Whitlow-grass *Erophila verna* in flower by mid-January.

In Hampshire, winter annuals are especially common around the coast, probably because they are ultimately limited by a higher intensity or frequency of frosts, or sustained cold weather, which may prevail inland. They also occur in other sunny, sheltered habitats, such as heathlands, as well as arable field margins, as one might expect. Many, however, also thrive in our artificially warm urban habitats and microhabitats, including pavements, kerbs, wall ledges, gardens, supermarket flower beds, amenity grasslands and the edges of mown road verges. Another very important habitat is those little canine-enriched plots of soil around the base of planted street trees, which can be surprisingly fruitful to the street-crawling botanist!

Of course, like all annuals, winter annuals require areas of bare soil for seed germination and subsequent growth without competition from perennials. In urban situations bare soil is sometimes created by cultivation (e.g. of flower borders), but more usually by mowing, trampling and general 'wear and tear' along the edges of road verges. Ideal conditions are also created by dieback of other plants during the winter period, sometimes caused by the salting of road surfaces. However, a few species also do very well in mown amenity grassland, even though this is a relatively 'closed' vegetation with less opportunity for seed germination.

Other common and widespread winter annuals in urban situations include Red Dead-nettle *Lamium purpureum*, Sticky Mouse-ear *Cerastium glomeratum* and Common Ramping-fumitory *Fumaria muralis*; two other frequent but easily overlooked species are Thale Cress *Arabidopsis thaliana* and Grey Field-speedwell *Veronica polita*.

It is interesting to note that the distribution of several species of winter annuals is centred on the Mediterranean region, which goes some way to explaining their winter growth pattern: i.e. geared towards the avoidance of hot summer temperatures when lack of moisture is too limiting for growth. The 'nativeness' of these and many other winter annuals has been questioned; many being classed as 'archaeophytes' by the authors of the *New Atlas*. These are species assumed to have been present in the UK since at least 1500 but apparently not represented in pollen records or other archaeological remains. It is clear to me that many were simply very rare in the UK formerly (at the edge of their European range) and are true natives, likely to have been present since the Ice Age. Now unchecked by cold winters they have sometimes increased dramatically. It seems that because many of the habitats preferred by winter annuals are classed as 'artificial', this has counted against them.

The photos below show four more species of winter annuals which are likely to be much more common in the county than the records suggest: **Musk Stork's-bill**

Erodium moschatum, **Early Meadow-grass** *Poa infirma*, **Lesser Chickweed** *Stellaria pallida* and **Knotted Hedge-parsley** *Torilis nodosa*. These are all species which are easily overlooked or misidentified for more common related species, or simply missed when growing in road verges or amenity grasslands. I have included tetrad maps of each from the Hampshire MapMate database (courtesy of Martin Rand and Tony Mundell). I would urge all Flora Group members to get out and look for these species in your local area and send the records into Martin and Tony. All can be found in flower in January. I know that some members won't even consider going out until the first orchids appear in early May, but botanising during the months of January, February and March can be very interesting!

I should add that these species have proved to be very widespread and common in the Gosport area, as the maps show, but to a certain extent this is due to our equitable coastal climate and poor, acidic soils as much as the high level of recording effort. The maps also show that they do occur in the other major coastal towns of Portsmouth, Southampton and Bournemouth (but with more patchy occurrence due likely to the less intense recording). The absence from other major towns (Winchester, Andover, Basingstoke, etc.) may in part be due to avoidance of chalk soils, but this is something that needs to be proved either way.



Top: patches of Early Meadow-grass *Poa infirma* amongst mown, disturbed grassland along a disused railway in Gosport (27 March 2005) (the other grasses probably being Annual Meadow-grass *P. annua* and Perennial Rye-grass *Lolium perenne*); below: single plant in flower (May 2008) – John Norton

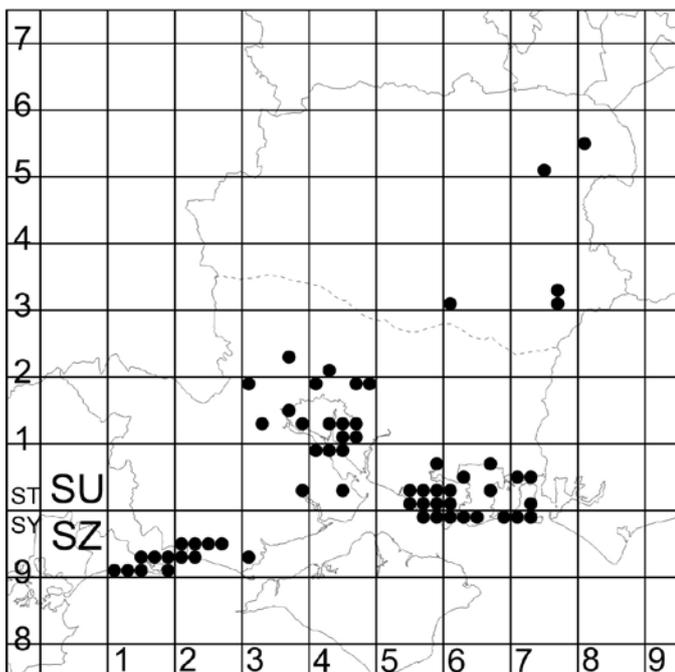


Top: the editor's foot in a 'sward' of Musk Stork's-bill *Erodium moschatum* in amenity grassland, Gosport (taken 7 January 2007); middle: close-up of leaf (May 2012).

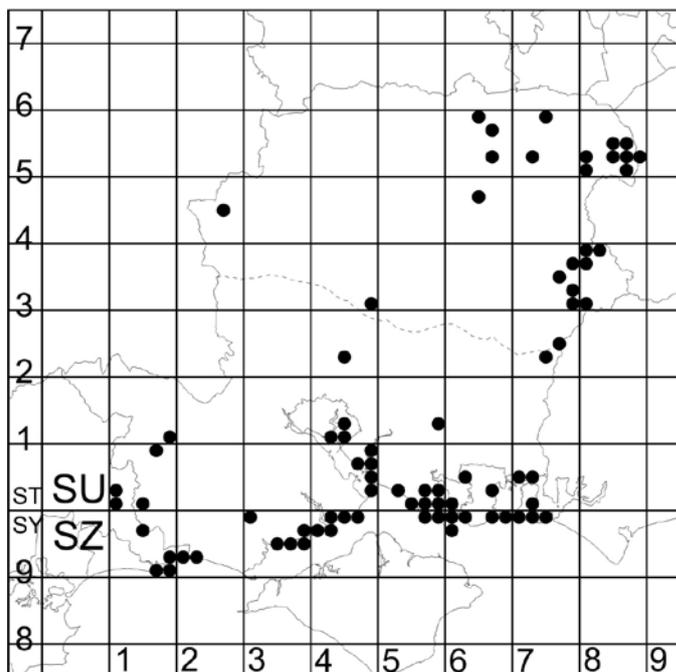
Note the resemblance of the leaf to an umbellifer (perhaps Wild Parsnip *Pastinaca sativa*). It is much less divided than typical Common Stork's-bill *E. cicutarium* (both often grow together) and easily confirmed by the sticky glands with unpleasant musky smell. Grows all year round but more prominent in spring.

The bright yellowish patches are an easy way of picking this species out in late spring when it has finished flowering and starts to die back. It can be confused with Annual Meadow-grass *P. annua* but the anthers in *P. infirma* are minute - usually less than 0.5 mm (1mm or more in *P. annua*). After flowering, the spikelet pedicels are often bare and diverge at a narrower angle than *P. annua* (as in the lower pair of the bottom photo). *P. annua* often has purplish-tinged spikelets but *P. infirma* never does. This species was formerly very rare, but historically occurred at Hayling Island. It has now spread to most English counties and it must surely occur in every 10km square in Hampshire. It favours winter wet or heavily trampled amenity grassland next to footpaths or edges of mown road verges.

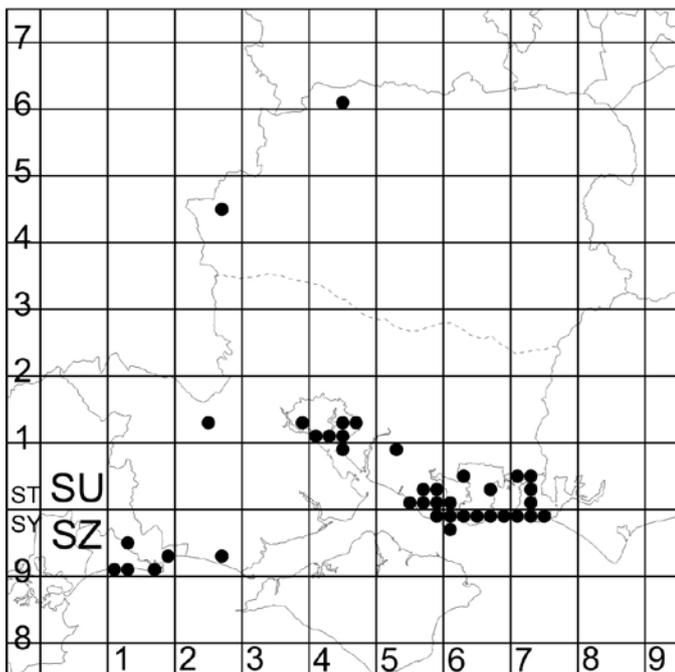
Erodium moschatum (Musk Stork's-bill)



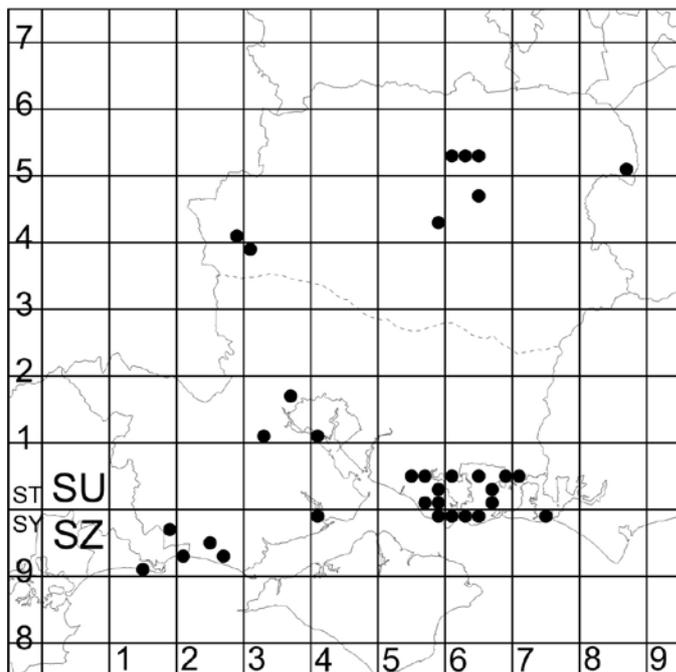
Stellaria pallida (Lesser Chickweed)



Poa infirma (Early Meadow-grass)



Torilis nodosa (Knotted Hedge-parsley)



Left: close up of leaves and unopened flower of Lesser Chickweed *Stellaria pallida* (Gosport, 14 February 2004) – John Norton

This species is very similar to Common Chickweed S. media, and often grows together with it, but the leaves are smaller, all of the same size and the whole plant is a pale or yellowish green colour rather than the darker green of S. media. It tends to form small cushions or spreading, dense patches. The flowers are inconspicuous and rarely open. It is common around the coasts of Britain (including parts of Scotland) and also occurs inland, so cannot be regarded as a Mediterranean species, but is certainly an obligate winter annual, growing only in the early spring and completely dying back by the beginning of May. In Hampshire it favours coastal amenity grasslands, maritime grasslands and heathlands and probably prefers acid soils. In Gosport it occasionally occurs in urban situations.

VC11 Records

Compiled by Martin Rand

A new intensive recording project (in this case, Atlas 2020) usually throws up a lot of new localities for plants, some of them not at all rare. This year has been no exception, and some interesting trends have emerged.

We are used to thinking of Knotted Hedge-parsley *Torilis nodosa* as a declining plant of rather open semi-natural grassland, and it's interesting to see that many of the recent records are from suburban lawns and road verges. Just how common it can be in these places is evidenced by the number of records from one intensively examined area around Gosport and Lee-on-the-Solent; the records included below are only a summary (see John Norton's article above). It's worth checking out such places; they often provide refuges for other species, such as the less common small clovers, that can tolerate or even thrive on the severe mowing regimes. Noses down, fellow botanists, and never mind the strange looks from the neighbours!

Another resurgence that seems to be taking place is in the less common species of *Bromus*. The *Bromus racemosus* / *B. commutatus* Meadow Brome complex is cropping up, not in its traditional damp hay-meadow habitat, but as a constituent of planted-up strips on arable margins. Most of the plants I've examined have a totally confusing mix of characters between the two 'species' as described in the Floras, and I've taken my lead from Tom Cope in his recent Grasses Handbook for the BSBI in assigning them all to Smooth Brome *Bromus racemosus*. Meanwhile, Rye Brome *Bromus secalinus* also continues to turn up in new spots as an arable weed.

The list below includes a lot of introduced trees, conifers especially, many of which are blatantly planted. I make no apologies for this. The BSBI is keen to have these introductions 'on the map' and many of them are badly under-recorded. Apart from the general interest, there is a conservation value in knowing where they are, in case they spread in the future or act as vectors for pests or diseases. So I hope that many of you will take inspiration from the obvious poor coverage. I would recommend recording anything in the wider countryside: that is, outside private gardens and specialist collections like The Hillier Arboretum. Churchyards and ordinary country estates are fair game, as are farmland shelterbelts and forestry plantations. But please record them as 'Planted' or 'Regenerating', wherever this is known or reliably inferred. Don't forget that if you need help with conifers, the notes from the Conifers Workshop are online at the Hants Plants web site: <http://hantsplants.org.uk/articles.php>. Also, we have the benefit of Matt Parratt who is resident in the county.

I have added some more detailed status codings to species, for which the legend is below. Note that if a species is native elsewhere in Britain (or even in the county), but known beyond reasonable doubt to be an introduction at a given site, it will be recorded as a non-native. I've included a small category of 'invasive non-natives', for which I will record new tetrad occurrences from now on.



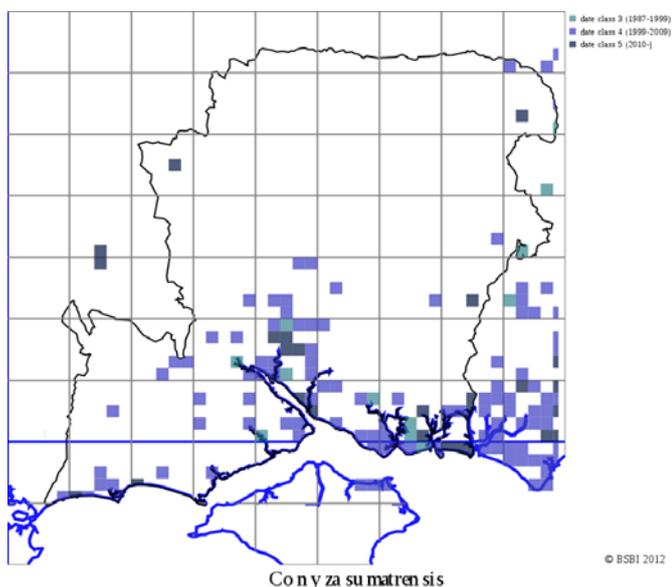
Above and middle: two photos of Knotted Hedge-parsley *Torilis nodosa*, Lee-on-the-Solent (28 March 2012) – Debbie Allan

Below: fruits (photographed in perhaps more semi-natural habitat of cliff-top grassland on the Isle of Wight in June 2009) – John Norton

*This species appears well before the similar but much hairier leaves of Wild Carrot *Daucus carota*, which sometimes occurs in the same habitats, and is also distinct from Cow Parsley *Anthriscus sylvestris*. Note the fresh green colour.*

Knotted Hedge-parsley is characteristically a species of mown road verges and embankments in the Gosport and Portsmouth areas (where known to the author) and probably elsewhere; it is likely to be much rarer as an arable weed or in coastal grassland. Although it can flower when only 15cm high, the flowers and fruits are often mown off, so vegetative ID is usually required. It probably dies back by late spring and is rarely recorded during summer botanising.

Finally, if you are interested in looking at the distribution of plants in Hampshire (or anywhere else in the country) down to the tetrad (2km square) level, can I recommend the BSBI's Distribution Database? This can be accessed at <http://bsbidb.org.uk/>. It combines data from the vice-county recorders with a number of other sources, some admittedly more reliable than others. On the main map you can zoom in on Google maps or satellite imagery; if you want to play around with a restricted area like Hampshire and change any of the mapped imagery, switch to the 'Printed map' tab. The maps from here can be saved for import into your own documents (as shown below for *Conyza sumatrensis*). As you will see, there are some rough edges, but it is being continually improved. Some facilities (including access to detailed records) require you to be a registered user. If you apply to the BSBI coordinator for this and you are a major contributor to Atlas 2020 recording, Tony or I will then approve you for read-only access to the detailed records. Any requests for changes to data should be addressed through myself or Tony.



Recorders and Determiners: AEB = Alison Bolton; ARG M = Tony Mundell; BF = Brian Fellows; BGo = Barry Goater; BMd = Ben Mead; CCo = Celia Cox; CF = Claire Ford; CTh = Carolyn Thorne; DC = David Caals; DHu = David Hughes; DL = David Leadbetter; DN = Dawn Nelson; DPa = David Payne; DRA = Debbie Allan; EAP = Ted Pratt; EJC = Eric Clement; EPr = Elizabeth Pratt; FJR = Fred Rumsey; GDF = Geoffrey Field; GFa = Geoff Farwell; GK = Geoffrey Kitchener; GK n = Gareth Knass; GS = Graham Steven; JAN = John Norton; JF = Jeanette Fryer; JFra = Jeremy Fraser; JGo = Jane Goater; JRWH = Ralph Hollins; MESm = Mike Smith; MFa = Mike Faherty; MPa = Mary Parker; MPt = Matt Parratt; MR = Martin Rand; MWR = Mike Rowe; NAS = Neil Sanderson; NJ = Nigel Johnson; NM = Nick Montegriffo; PAB = Phil Budd; PGS = Paul Stapleton; PM = Peter Marston; PW = Pat Woodruffe; RCR = Clare Rand; RMV = Roger Veall; RPR = Richard Reeves; RWe = Rosemary Webb; SFi = Sue Fitzpatrick; SJS = Susan Simmonds; TAC = Tom Cope. BSBI = BSBI Field Meeting; HFG = Hampshire Flora Group Meeting; HREC = Hampshire Recorders' Trip; SNHS = Southampton Natural History Society meeting - leader shown in brackets.

Status: AC = neophyte (plant introduced to Britain since 1500), or introduced at given site, casual; AN = neophyte, or introduced at given site; AR = archaeophyte (plant introduced to Britain before 1500); IN = invasive non-native; N = native; NA = native status not clear; NH = native hybrid. * = Hampshire Notable.

***AC *Agrostemma githago* (Corncockle):** Bashley Manor area: Along B 3055 and Stem Lane, SZ235 965; 31 May 2012; MWR. Sown by householder on roadside, SZ 2350 9655. **1st for SZ29**

***N *Agrostis vinealis* (Brown Bent):** SW of Little Early Inclosure, nr Ober Heath, SU227 037; 5 Jul 2011; MR & DN. In low Gorse scrub. **New tetrad**

Netley Common, SU477 117; 5 Aug 2012; MR, PAB & CF det. MR. On cleared heathland. **New tetrad**

AN *Allium roseum* (Rosy Garlic): Walpole Park, Gosport, SZ 618996; 14 May 2011; JAN. One plant on grass bank near entrance to restaurant, on boating lake. **1st for SZ69**

AN *Allium triquetrum* (Three-cornered Garlic): Warnford area, SU624 231; 25 Apr 2012; MR. **1st for SU62**

AN *Alnus incana* (Grey Alder): Knightwood Oak area, SU264 060; 16 Sep 2012; MWR. 1 bush, roadside hedge (A 35), SU 2649 0606. **1st for SU20**

***NH *Alopecurus x plettkei* (*A. bulbosus x geniculatus*):** Keyhaven Marshes, SZ3176 9232; 23 Sep 2012; HFG [MR]; Voucher Hb MR. Forming major sward component over limited area. Voucher Hb MR. **New tetrad**

AN *Amaranthus hybridus* (Green Amaranth): Downton, SZ2755 9280; 2 Oct 2011; MWR conf. EJC. Abundant in abandoned field. **1st for SZ29**

***N *Anacamptis morio* (Green-winged Orchid):** South Baddesley Churchyard, SZ351 967; 12 May 2012; MWR. c 38 spikes, SZ 3514 9674. **1st in tetrad since 1966**

AR *Anchusa arvensis* (Bugloss): North Boarhunt, SU618 105; 15 Jun 2011; EJC & JAN. Edge of arable field. **1st for SU61**

AN *Anisantha madritensis* (Compact Brome): A27 / Eastern Road junction, Farlington, SU674 042; 19 Jun 2012; JAN. Several plants on west side of bridge over Ports Creek just south of roundabout, and a small patch on east side by roundabout (SU 6746 0425). One green plant collected, but others well over - first noticed (but not checked out) in about April. **1st for SU60**

***AR *Anthemis cotula* (Stinking Chamomile):** Horton Heath, SU4816; 4 May 2011; MR. **New tetrad**

Lower Brook area, SU3427; 1 Sep 2011; MR & RCR. **New tetrad**
Dur Wood area, SU5523; 1 Jul 2011; PAB. **New tetrad**

***N *Apium inundatum* (Lesser Marshwort):** Bisterne Warren, SU1447 0050; 28 Aug 2012; MR & NAS. Margins of Willow pond. **New tetrad**

N *Arctium minus* subsp. *pubens* (Lesser Burdock): Itchen Navigation, St Cross, SU4827; 18 Sep 2012; MR & RCR. **1st for SU42**

AN *Armeria maritima* (Thrift): B3054, Beaulieu Heath, SZ3599, SU3500; 1 Jun 2011; AEB. All along the roadside between Crockford Bridge towards Hatchet pond. **New inland tetrads**

IN *Azolla filiculoides* (Water Fern): Warnford area, SU623 232; 25 Apr 2012; MR. In R Meon. **1st for SU62**

***AN *Berberis vulgaris* (Barberry):** Rockbourne village, SU1138 1835; 9 May 2012; HREC[MR]. Large bush by stream, no doubt planted (adjacent to gardens): **1st in tetrad since 1967**

AN *Brassica juncea* (Chinese Mustard): Stokes Bay Road, SZ596 985; 23 May 2012; DRA, EJC & JAN det. EJC. 5961 9857. On earth bund on N. side of rd. (E. of crazy golf course). **1st for SZ59**

***N *Bromus hordeaceus* subsp. *feronii* (Least Soft-brome):** Barton Golf Course area, SZ256 925; 24 May 2012; MWR. Extreme cliff edge, SZ 2562 9255. **New tetrad**

***AN *Bromus racemosus* (Smooth Brome):** Longwood Warren, Owslebury, SU5327; 30 Jun 2012; BGo. Cheesefoot Head, SU528 276; 5 Aug 2012; GFa conf. MR. Note sent with voucher (not retained). Honeyman Farm, Longwood Estate, SU547 256; 25 Jun 2012; BGo & JGo. On restored downland. Voucher retained.

Longwood Warren, SU5326; 30 Jun 2012; BGo. In wildflower mix sown along field margins. Owslebury, SU5022; 12 Jul 2012; BGo. **1st for SU52**

Brocklands Farm, West Meon, SU637 233; 15 Aug 2012; MR & RCR. A few plants in arable hedgerow, SU6378 2336. **1st for SU62**

***AN *Bromus secalinus* (Rye Brome)**: Portsdown Hill Road, SU619 069; 1 Aug 2012; MR, GCo & BMd. A few plants in edge of Barley field, S side of lane, SU6192 0691. **1st for SU60**

AN *Brunnera macrophylla* (Great Forget-me-not): Windmill Cottages, Braishfield, SU375 265; 1 May 2012; MR & RCR. Escape into hedgebank from neighbouring cottage. **1st for SU32**
Pennington Marshes, SZ320 925; 28 May 2012; BGo. In quantity, growing in bramble scrub beside track from car park to sea wall. **1st for SZ39**

***N *Carex arenaria* (Sand Sedge)**: Charles Copse area, along footpath, SU1703; 21 Jun 2012; DHu. **New tetrad**

***N *Carex divisa* (Divided Sedge)**: Gosport Ramparts moat / Haslar Marina, SZ621 994; 14 May 2011; JAN. Large patch on S-facing slope of embankment c10m x 6m with *Elytrigia atherica*. **New tetrad**

Trinity Close / Town Ramparts, Gosport, SZ621 995; 1 Apr 2012; DRA & JAN. e.g. SZ 6214 9950 angle of S & E banks. S & E banks of ramparts. **New tetrad**

NH *Carex hostiana* x *demissa: Shobley Bottom, SU183 062; 12 Jun 2012; JFra. "I'm not sure how much *C. x fulva* there is, but the spike I found was nearby, either at the same grid reference or possibly on the opposite side of the stream, less than 50m to the south-west." **1st for SU10**

***N *Carex montana* (Soft-leaved Sedge)**: Dames Slough Inclosure, SU249 055; 16 May 2012; HREC[MR]. Under Bracken, SU2495 0551. **New tetrad**

***N *Carex rostrata* (Bottle Sedge)**: Denny Lodge area, SU339 053; 4 Jun 2012; MWR. SU 3398 0538. **New tetrad**

***N *Carex strigosa* (Thin-spiked Wood-sedge)**: Holywell House: copse, SU5915 1484; 21 Apr 2012; GCo later conf. MR. One plant with many *Carex sylvatica*. Lion Copse, Holywell, Swanmore, SU5916 1489; 9 Sep 2011; GCo. **New tetrad**

Staplewood Copse, SU3729 0930; 13 May 2012; HFG[CC] det. MR. Single tuft in wet woodland ride. **New tetrad**

***N *Carex vesicaria* (Bladder-sedge)**: Stanpit Marsh, SZ163 922; 14 May 2011; PAB. **New tetrad**

***NH *Carex x involuta* (*C. rostrata* x *vesicaria*)**: Ebblake, Ringwood Forest, SU105 068; 29 Jun 2012; FJR. "There were at least 2 separate large plants/small patches submerged in the flowing water. The grid ref. was virtually the same at 8 figs. as that given by Robin Walls for the *x ducellieri* - and certainly SU105 068." Material taken into cultivation by FJR. [Note: neither FJR nor RMW could re-find *Carex x ducellieri* within VC11 this year, but RMW did still detect it on the VC9 side of the stream.] **1st for SU10**

N *Catabrosa aquatica* (Whorl-grass): St Cross, Winchester, SU477 277; 27 Jun 2012; HFG[CC]. Upper parts of ditch running E-W to Itchen. **1st in tetrad since 1982**

***N *Centunculus minimus* (Chaffweed)**: Hill Top, Beaulieu, SU402 031; 6 Aug 2011; DRA, JAN & EJC. SU 4023 0313, E verge of Exbury Road. **New tetrad**

***N *Cephalanthera damasonium* (White Helleborine)**: Ashley Church, SU384 309; 14 Jun 2012; NJ & RWe. **1st in tetrad since 1966**

AN *Ceratochloa cathartica* (Rescue Brome): Manor Farm, Denvilles, SU731 066; 30 Dec 2011; DRA & JAN. 5 clumps: some vegetative plants, others with flowers & fruit. Manor Farm, Denvilles, SU730 065; 30 Dec 2011; DRA & JAN; SU 7308 0653, fifty clumps, plus 30 more nearby. Along edge of cultivated arable ground, adjacent to (house) gardens, & scattered nearby. **1st for SU70**

AN *Chamaecyparis pisifera* (Sawara Cypress): Minstead Churchyard, SU280 108; 18 Feb 2012; MR conf. MPt. W side of churchyard. **New vice-county record**

Bratley Plain / Buckherd Bottom, SU2008; 10 Jun 2012; BSBI[MR]. **2nd for VC11**

***AR *Chenopodium glaucum* (Oak-leaved Goosefoot)**: N of Fishtail Lagoon, Keyhaven Marshes, SZ317 922; 23 Sep 2012; HFG[MR]. Several large patches on shallow pans. **New tetrad**

AR *Cichorium intybus* (Chicory): Wickham, SU567 106; 16 Oct 2011; PM. Several plants stretching for 20 metres along south side of Mayles Lane. Wickham, SU565 104; 16 Oct 2011; PM. 7 large plants on north side of Mayles Lane. **1st for SU51**

AN *Claytonia perfoliata* (Spring-beauty): Water Lane Allotments, Totton, SU354 134; 10 Apr 2012; DCa. **1st for SU31**

AN *Clematis cirrhosa* (Early Virgin's-bower): Stokes Bay Road (tennis courts), SZ594 986; 15 Feb 2012; DRA, EJC & JAN det. EJC; SZ 5944 9866, embankment at back of gardens, opposite W edge of tennis courts. Fls creamy yellow with blood-red spotting. **1st for SZ59**

***N *Clinopodium ascendens* (Common Calamint)**: St Catherine's Hill, SU482 274; 18 Sep 2012; MR & RCR. Single plant in bare ground under wooden steps. **New tetrad**

***AN *Convallaria majalis* (Lily-of-the-valley)**: Leybushes Copse, SU520 219; 18 Apr 2011; PM; Five flowering plants with other garden throw-outs at SU5200 2198. Baybridge, SU529 231; 25 Apr 2011; PM; At least 40 plants (only 4 with flowering stems) in corner of field at SU5296 2318 with other garden throw-outs. **1st for SU52**

AN *Conyza floribunda* (Bilbao's Fleabane): Bratley Arch, SU235 097; 17 Sep 2012; MWR. Roadside, Bratley Arch, SU 2350 0979. **1st for SU20**

AN *Conyza sumatrensis* (Guernsey Fleabane): Handy Cross, New Forest, SU2007; Sep 2012; MR. A31 Mogshade to Bratley Arch, SU2309; Sep 2012; MR. **1st for SU20**
St Leonards, Beaulieu, SZ406 981; 21 Aug 2012; MR & MESm. **1st for SZ49**

AN *Cordylina australis* (Cabbage-palm): Connigar Close, SU581 013; 23 Feb 2012; DRA. Young self-sown plant at foot of wall (no.7) by 'aid' railings. (2 large specimens seen c.40m away). **1st for SU50**

AN *Cotoneaster cochleatus* (Yunnan Cotoneaster): East Wellow, Plants Close, SU305 185; 4 Jul 1905; RMV det. JF. **First vice-county record since 1980**

IN *Cotoneaster divaricatus* (Spreading Cotoneaster): Beaulieu Aerodrome, SU352 002; 25 Aug 2012; EJC & JAN. Specimen retained. At least 100 bushes up to 1m high amongst linear patch of gorse scrub adjacent to track, from SU3526 0028 eastwards for 80m or more. Fruit quite young, but distinctively oblong, in pairs. Foliage dark green. Sterile shoots spreading at wide angles. **New vice-county record**

AN *Cotoneaster salicifolius* (Willow-leaved Cotoneaster): Rockbourne area, SU1185 1832; 4 Jul 2012; HREC[MR]. Thicket established presumably from planting. **1st for SU11**

***N *Crassula tillaea* (Mossy Stonecrop)**: Grove Road, SU607 009; 6 Apr 2012; DRA & JAN. SU 6079 0090, St Vincent Road, c.20m S. of Heidi Close. LF on brick paving by layby on E. side of rd. (Found by JAN). Forton, SU608009; 6 Apr 2012; DRA & JAN; SU 6081 0091, St Vincent Road, c.20m SE. of Heidi Close junct. LF on brick paving on S. side of rd. **1st for SU60**

AN *Crataegus crus-galli* (Cockspurthorn): Wintershill, SU532 179; 24 Aug 2012; GCo conf. MR. **1st for SU51**

AN *Crataegus persimilis* (Broad-leaved Cockspurthorn): Thorns Farm area, SZ381 970; 11 Sep 2012; MWR. 2 bushes in hedge, Sowley Lane, SZ 3815 9708. **1st for SZ39**

AN *Crocsmia paniculata* (Aunt-Eliza): Portchester (Wicor Path), SU603 049; 1 Aug 2012; MR, GCo & BMD. **1st for SU60**

AN *Crocus vernus* (Spring Crocus): Minstead Churchyard, SU280 108; 18 Feb 2012; MR. Planted and naturalising (including into hedgerow to W). **1st for SU21**

AN *Cryptomeria japonica* (Japanese Red-cedar): Ampfield Wood, SU408 240; 25 Jan 2012; MR. Specimen tree planted above Forestry cottages. **1st for SU42**

***N *Cynoglossum officinale* (Hound's-tongue):** Wilverley, SZ250 999; 17 Jun 2012; MR. E of road, nr jctn. **1st for SZ29**

NH *Dactylorhiza x grandis* (*D. fuchsii x praetermissa*): Ashley Meadows, SU356 231, SU356 232; 5 Jul 2012; MR & RCR following a lead by EPr. Part of a mixed population of *D. praetermissa*, *D. fuchsii* and hybrids. **New tetrad**

NH *Dryopteris x deweveri* (*D. carthusiana x dilatata*): Dames Slough Inclosure, SU253 053; 16 May 2012; HREC[MR]. At SU2537 0537. **1st for SU20**

AC *Echinochloa esculenta* (White Millet): Woodside, Lymington, SZ3234 9438; 12 Oct 2011; MWR det. TAC. Edge of dry pond in grass field. **1st for SZ39**

AN *Echinops exaltatus* (Globe-thistle): Dean Farm & Stephen's Castle Down, SU562203; 20 Jul 2012; BGo & JGo. One plant in SW corner of conservation field, SU5629 2031. **New vice-county record**

N *Echium vulgare* (Viper's-bugloss): Markway Hill Pull In, SU246 028; 11 Jul 2012; AEB. Several plants of *Echium vulgare* by the roadside. **1st for SU20 since ?1970s**

***N *Eleocharis uniglumis* (Slender Spike-rush):** Brook Meadows, Lumley, SU751 060; 4 Jun 2012; JAN, EJC, BF & JRWH. Small patch reasonably dense over c.2 x 1m, in slightly brackish influenced part of meadow, with *Carex divisa* and *Carex distans* nearby. SU 7513 0604. **New tetrad**

NH *Epilobium x aggregatum* (*E. montanum x obscurum*): Hollywood Lane, Lymington, SZ3189 9632; 21 Aug 2011; MWR det. GK. "Most likely" (GK) this hybrid. **1st for SZ39**

N *Epipactis helleborine* (Broad-leaved Helleborine): Deerslaughter Plain, Havant, SU7009; 29 Jul 2011; NJ. 3 at SU707 095, 2 at SU707 096, 1 at SU707 097, beside path. **1st for SU70**

N *Equisetum palustre* (Marsh Horsetail): Gomer fen, Browndown, SZ581 994; 7 Jun 2011; DRA & JAN; SZ 5813 9948, wooded strip N of the stream valley. **1st for SZ59**

***N *Eriophorum latifolium* (Broad-leaved Cottongrass):** N of Burley Rocks, SU227 032; 13 Jun 2012; AEB. One plant, SU22754 03226. **New tetrad**

AN *Euphorbia cyparissias* (Cypress Spurge): Gravelly Marsh, SZ415 967; 9 Jun 2012; HFG[MR]. Escape from garden of old club hut. **1st for SZ49**

AN *Euphorbia stricta* (Upright Spurge): Itchen Valley Country Park, SU459 161; 13 Sep 2012; DPa conf. MR. Voucher Hb MR. Single well-grown plant by small pond, SU4599 1610. Perhaps introduced with ballast for making access path (which is said to have come from Somerset). **New tetrad**

AC *Fagopyrum esculentum* (Buckwheat): Hare Lane / Park Farm area, Twyford, SU4823; 16 Sep 2011; MR. **1st for SU42**

AN *Festuca brevipila* (Hard Fescue): Blashford Area 5.1, area around the WTW building, SU153 081; 10 Jun 2011; NAS. **New tetrad**

Brownhill Way, Maybush, SU378 151; 6 Apr 2012; MR & RCR. Resown verges at junction of Lower Brownhill Road. **New tetrad**

***N *Festuca rubra* subsp. *juncea* (Red Fescue):** Great Marsh, Park Shore, SZ409 965; 9 Jun 2012; HFG[MR]. At SZ4093 9650. **New tetrad**

Gutner Peninsula, SU734 017; 21 Aug 2012; MR & MESm. Scattered small patches in upper saltmarsh over a small area, SU73475 01709. **New tetrad**

***N *Festuca rubra* subsp. *litoralis* (Red Fescue):** Gutner Point, SU735 017; 21 Aug 2012; MR & MESm. Upper saltmarsh. **New tetrad**
Emsworth Harbour, SU738053; 4 Jun 2012; JAN, EJC, JRWH & BF. In saltmarsh. **New tetrad**

***N *Filago vulgaris* (Common Cudweed):** Forton, SU608 009; 6 Apr 2012; DRA & JAN. SU 6081 0091, St Vincent Road, c.20m SE. of Heidi Close junct. 30+ plants on brick paving on S. side of rd. **New tetrad**

AR *Fumaria densiflora* (Dense-flowered Fumitory): Stokes Bay Road, SZ595 985; 23 May 2012; DRA, JAN & EJC. SZ 5959 9859, N. side of road, E. of crazy golf course payment hut (near it) on low earth bund. **1st for SZ59**

Gosport railway / Tichborne Way, SU589 026; 23 May 2012; DRA, JAN & EJC. SU 5891 0266, Tichborne Way S of rd- on disturbed soil by new bus stn. 4 small plants. **1st for SU50**

N *Galium palustre* subsp. *elongatum* (Great Marsh-bedstraw): St Cross, Winchester, SU477 277; 27 Jun 2012; HFG[MR]. **1st for SU42 since 1916**

***AN *Galium parisiense* (Wall Bedstraw):** Otterbourne Reservoir, SU453 225; 13 Jun 2012; GK conf. MR. On most recent disturbed grassland top platform. Nr woodland edge on NE side. Couple of plants. **1st for SU42**

***N *Genista anglica* (Petty Whin):** Bisterne Warren, SU144 003; 29 Apr 2012; HFG[MR]. Two large floriferous plants forming patches c. 1m across, SU14459 00361 and SU14459 00362. **New tetrad**

AN *Genista hispanica* (Spanish Gorse): Bishopstoke, SU478 189; 23 May 2011; GCo. Presumably planted, under thicket of native trees. **1st for SU41**

***N *Gentianella campestris* (Field Gentian):** Fritham Plain, SU218 130, SU219 130, SU219 131, SU219 132; 2012; CTh. Down the slope of the ridge towards Rakes Brakes moving towards Sloden, Also SU21891 13079, SU21925 13126, SU21974 13204. **New tetrad**

***N *Geranium purpureum* (Little-Robin):** Calshot Beach, SU481 013, SU484 015, SU485016; 1 Jun 2012; PGS. At all sites plants are growing around the edge of the concrete 'deck' area in front of the relevant beach hut. Although this is only slightly raised above the shingle it may afford some protection against trampling. **1st in tetrad since 1986.** Calshot Beach, SU482 013, SU482 014, SU483 014, SU484 016; 12 Jul 2012; MFa. Boundary shingle & concrete hut bases. **2nd in tetrad since 1986**

N *Geranium pusillum* (Small-flowered Crane's-bill): Applemore, SU3907; 6 Sep 2012; MWR. **1st in SU30 since 1930**

AN *Geranium x oxonianum* (Druce's Crane's-bill): Wilverley Incl (SW end): Osmonds Bushes car park and SW, SU2300; 16 Jun 2012; MWR. 1 clump, Osmonds Bushes car park, SU 2325 0054, throwout. **1st for SU20**

N *Glyceria maxima* (Reed Sweet-grass): Manor Farm, Denvilles, SU733 066; 8 Nov 2011; JAN. Dominant around small farm pond. **1st for SU70**

***N *Hammarbya paludosa* (Bog Orchid):** Ferny Crofts Bog, SU364 058; 1 Jul 2012; RPR. "Easily saw 200+ plants and estimate the population could be double that... At this site there were a number of clumps, the biggest numbering c.20 plants very tightly packed." **New tetrad**

IN *Heracleum mantegazzianum* s.l. (Giant Hogweed): Galley Hill area: SZ 3145 9774; 14 Jun 2012; MWR. 7 plants on roadside. **New tetrad**

N *Hieracium umbellatum* (Umbellate Hawkweed): Knightwood Oak area, SU267063; 16 Sep 2012; MWR. Roadside (A 35), SU 2678 0631. **1st for SU20 since 1987**

- AN *Hippuris vulgaris* (Mare's-tail):** Waterslade area, SU17860795; 20 May 2012; HREC[MR]. **1st for SU10**
- AN *Hirschfeldia incana* (Hoary Mustard):** Lane End Down, SU5526; 26 Jun 2012; BGo & JGo conf. MR. Scattered along NE side of Warnford Road, from crossroads. Voucher retained. **1st for SU52**
- IN *Hydrocotyle ranunculoides* (Floating Pennywort):** Manor Farm Pond, SU604 084; 3 Aug 2011; HREC[MR]. Covering much of the W margin of the pond. **New tetrad**
- AN *Hypericum calycinum* (Rose-of-Sharon):** Wilverley Incl (SW end): Osmonds Bushes car park and SW, SU232 005; 16 Jun 2012; MWR. 1 patch at Osmonds Bushes car park, clearly a throwout. SU 2323 0056. **1st for SU20**
- AN *Hypericum hircinum* (Stinking Tutsan):** Chewton Common area, SZ219 947; 1 Jul 2012; MWR. Abundant on railway bridge, SZ 2191 9473. **1st for SZ29 since 1919**
- Vinney Ridge Inclosure area, SU266 058; 7 Oct 2012; MWR. Numerous bushes at Brock Hill car park, SU 2668 0580. **1st for SU20**
- AN *Ilex x altaclerensis* (*I. aquifolium* x *perado*):** Rockbourne area.; SU1198 1851; 9 May 2012; HREC[MR]. In boundary hedge with other plantings. **1st for SU11**
- Charles Copse area: along footpath, SU1703; 21 Jun 2012; DHu. **1st for SU10**
- *N *Inula crithmoides* (Golden-samphire):** Milton, Portsmouth, SZ6799; 2 Aug 2012; GFa. **New tetrad**
- AN *Iris versicolor* (Purple Iris):** Setley Pond, SZ302 991; 5 Aug 2012; DCa. Large stand ... at the south end of Setley Pond. **1st for SZ39**
- *N *Juncus foliosus* (Leafy Rush):** Dur Hill Down, SU1900; 20 Aug 2011; BSBI[ARGM]. **1st for SU10**
- AN *Kniphofia x praecox* (Greater Red-hot-poker):** Water Lane, Totton, SU346 135; 26 Oct 2012; DCa conf. MR. Growing by fence/hedge on Water Lane, Totton, SU34694 13563. **1st for SU31**
- AN *Lamiastrum galeobdolon* subsp. *argentatum* (Garden Yellow-archangel):** Near Dibden (Veal's Farm): S half of square, SU393 092; 14 Sep 2012; MWR. Patch c 5 x 2m, roadside opposite houses, SU 3933 0929. **1st for SU30**
- N *Lamiastrum galeobdolon* subsp. *montanum* (Yellow Archangel):** North Poulner area: Poulner Common, SU1606; 17 Apr 2012; DHu. **1st for SU10**
- *AR *Lamium hybridum* (Cut-leaved Dead-nettle):** Hilliers Gardens, SU379 236; 12 Apr 2012; NM. Several plants as a weed along the edges of the new centenary border. **1st for SU32 since ?1970**
- AN *Larix kaempferi* (Japanese Larch):** Colden Common Wood, SU488 215; 22 Mar 2012; MR. **1st for SU42**
- Owslebury, SU5022; 12 Jul 2012; BGo. **1st for SU52**
- AH *Larix x marschlinsii* (Hybrid Larch (*L. decidua* x *kaempferi*)):** West Walk, Soberton, SU587 132; 28 Apr 2012; HREC[MR]. **1st for SU51**
- AN *Lathraea clandestina* (Purple Toothwort):** Warnford, SU624 232; 25 Apr 2012; MR. On Salix by R Meon in recreation area. **1st for SU62**
- AN *Laurus nobilis* (Bay):** Nr Minstead Lodge, SU283 114; 18 Feb 2012; MR. Small sapling established under mature bush in hedge. **1st for SU21**
- Sycamore Road, Hilingbury, SU431 224; 31 Aug 2012; MR. Self-sown sapling established under tree planting. **1st for SU42**
- AN *Lemna minuta* (Least Duckweed):** Walhampton: SW quarter of square (Monument Lane), SZ330964; 20 Apr 2012; MWR. Roadside pond, SZ 3307 9645. **1st for SZ39**
- Holywell House, SU592 151; 21 Apr 2012; SNHS[PAB] det. MR. **1st for SU51**
- AN *Lepidium virginicum* (Least Pepperwort):** Nea Meadows, SZ202 937; 1 Sep 2012; EAP & DL. Voucher Hb MR. In car park. **First vice-county record since 1958**
- AC *Lobelia erinus* (Garden Lobelia):** Bishops Waltham, Pedestrian way, roundabout, SU549 175; 5 Jul 2012; GCo. **1st for SU51**
- AN *Lonicera japonica* (Japanese Honeysuckle):** Ower Farm, Upham, SU559 215; 20 Jun 2012; BGo. In hedge by crossroads. **1st for SU52**
- Romsey, SU372 216; 30 Oct 2012; MR. Garden escape by footpath to Tadburn Meadows. **1st for SU32**
- AN *Lonicera nitida* (Wilson's Honeysuckle):** Bossington, SU3331; 25 Mar 2011; MR & GCo. **1st for SU33**
- SW of Broughton Down Nature Reserve, SU2831; 19 Jul 2012; SJS. **1st for SU23**
- AH *Lonicera x purpusii* (*L. fragrantissima* x *standishii*):** Colden Common churchyard, SU487 215; 22 Mar 2012; MR. Hedge at E end of churchyard. **1st for SU42**
- *N *Lotus angustissimus* (Slender Bird's-foot-trefoil):** B3347, Sopley, SZ149 979; 22 Aug 2012; MR & MESm. E verge of B3347, growing with and also to S of *Campanula rapunculus*. **New tetrad**
- Lee-on-the-Solent, SZ578 995; 1 Jun 2012; DRA. SZ 5784 9951. Down embankment E of r'about, on either side of path worn through sparse, unmown grass. Junct. of Privett Rd W (N of) & Cherque Way (E of), c.25m NW of fence of Browndown Common. [Found by Kevin J. McGinn with E.J. Clement on 28-May-2012.] **1st for SZ59 since 1910s**
- Lee-on-the-Solent (E), SZ576997, SZ577 997; 12 Aug 2012; DRA & JAN. SZ 57709 99716 to SZ 57696 99725, near S end of Cherque Way, E side of road in a slight linear depression running parallel with the road. This is c.200m N of plants seen 01-Jun-2012. **2nd for SZ59 since 1910s**
- AN *Lysimachia punctata* (Dotted Loosestrife):** Leybushes Copse, SU5202 19; 4 Jul 2011; PM. Large clumps. **1st for SU52 since 1985**
- AN *Melissa officinalis* (Balm):** Mude Valley - north, SZ1893; 20 Jul 2011; PAB. North end of compartment 2a. **1st for SZ19 since ?1950s**
- AR *Mentha spicata* (Spear Mint):** Teglease Down area, SU6519; 25 Aug 2012; GFa. **1st for SU61**
- AH *Mentha x villosa* (Apple-mint):** Knightwood Oak area, SU264 063; 16 Sep 2012; MWR. Patch 4 x 3m, roadside, near Knightwood Oak, SU 2641 0638. **1st for SU20**
- *N *Hypopitys monotropa* (Yellow Bird's-nest):** West Tytherley, SU261 311; 3 Jul 2011; NJ. SU2616 3114. **New tetrad**
- N *Montia fontana* subsp. *chondrosperma* (Blinks):** Yachthaven, Hayling Island, SU727 017; 24 Apr 2012; JAN. A few small patches in damp coastal grassland, within Yachthaven SINC. **1st for SU70**
- AN *Muscari neglectum* (Grape-hyacinth):** Pitmore Road, Allbrook, SU459 212; 8 Apr 2012; MR & RCR. Garden outcast in E road verge. **1st for SU42**
- Hambledon, SU673 165; 3 Apr 2011; GCo. **1st for SU61**
- NA *Myosotis sylvatica* (Wood Forget-me-not):** Ashley area, SZ2595; 19 Apr 2012; MWR. Nea Meadows area, SZ2093; 21 Apr 2012; MWR. New Milton area, SZ2494; 18 May 2012; MWR. **1st for SZ29**
- *N *Myriophyllum alterniflorum* (Alternate Water-milfoil):** Black Water, Dames Slough, SU249 050; 16 May 2012; HREC[MR]. **1st in tetrad since 1980**
- Hill Top pond, SU401 031; 6 Aug 2011; DRA, JAN & EJC. **1st in tetrad since 1983**

IN *Myriophyllum aquaticum* (Parrot's-feather): Fishlake Meadows, SU356 226; 2 Mar 2011; MR. **New tetrad**

AN *Myriophyllum spicatum* (Spiked Water-milfoil): IBM Lake, Portsmouth, SU6404; 28 Jul 2012; GFa. **1st localised record for SU60**

AH *Narcissus x medioluteus* (*N. poeticus* x *tazetta*): Keyhaven area, SZ305 915; 2 May 2012; MWR. 2 on roadside, SZ 3058 9154. **1st for SZ39**

***N *Oenanthe fluviatilis* (River Water-dropwort):** St Cross, Winchester, SU477 277; 27 Jun 2012; HFG[CC]. In Itchen. **New tetrad**

AN *Oenothera biennis* (Common Evening-primrose): Lakeside, Eastleigh, SU448 175; 24 Oct 2012; MR. N side of entrance road. **1st localised record for SU41**

AH *Oenothera x fallax* (*O. glazioviana* x *biennis*): Calmore Road, Calmore, SU339140; 10 Jul 2012; DCa conf. MR. Photos and diagnostic details provided to MR in a series of emails. **1st for SU31**

Lakeside, Eastleigh, SU448 175; 24 Oct 2012; MR. With both parents: photographic record made. **1st for SU41**

N *Ononis repens* subsp. *maritima* (Maritime Common Restharrow): Great Marsh, Park Shore, SZ404 964, SZ409 965; 9 Jun 2012; HFG[MR]. At SZ4093 9650. **1st for SZ49**

***N *Ononis spinosa* (Spiny Restharrow):** Dean Hill Park Eastern Sidings, SU285 265; 31 Aug 2011; PW det. SFi. **1st for SU23**

AN *Oxalis latifolia* (Garden Pink-sorrel): Water Lane Allotments, SU353 135; 11 Oct 2012; DCa conf. MR. A persistent weed at the edge of a potato plot at 3531 1350. "There are about 20 plants, just one in flower: the leaves are free of any yellow or orange underneath and digging into the loose earth I found a bulbil on a long stalk. The colour- a very pleasant light pinky mauve." **1st for SU31**

AN *Oxalis stricta* (Upright Yellow-sorrel): Lyndhurst (NE), SU300 081; 5 Jul 2012; MWR. Near High Street, SU 3001 0819. **1st for SU30**

***N *Parapholis incurva* (Curved Hard-grass):** Great Salterns Quay, SU676 017; 30 May 2012; JAN. Frequent in linear gravel depression S of G Salterns Quay. **New tetrad**

AN *Petroselinum crispum* (Garden Parsley): Fleetlands, SU587 042; 15 Apr 2012; DRA & JAN. On disturbed, weedy bank of golf green. Very tasty. **1st for SU50**

AN *Phalaris aquatica* (Bulbous Canary-grass): N of Park Farm, Twyford, SU487 234; 16 Sep 2011; MR. In marginal game strip. **New vice-county record**

AN *Picea abies* (Norway Spruce): Park Hills Wood, SU5019; 19 Mar 2011; MR. **1st for SU51**

AN *Picea orientalis* (Oriental Spruce): Ampfield, SU407 235; 2 Feb 2012; MR. Fine tree at back of Ampfield churchyard. **New vice-county record**

AN *Picea sitchensis* (Sitka Spruce): Newtown, nr Minstead, SU278 107; 18 Feb 2012; MR. Entrance to Peter's Hold Farm E of Newtown Ford. **1st for SU21**

E of Yewtree Copse, Romsey Extra, SU348 190; 3 Feb 2012; MR. Two sickly looking small trees at W end of shelterbelt. **1st for SU31**

Chilworth Manor, SU402 184; 2 Apr 2012; MR. **1st for SU41**

AN *Pilosella aurantiaca* (Fox-and-cubs): Peel Road / Stoke Road, SZ612 997; 15 Jun 2012; DRA. Stoke Rd, LF in lawn of church adjacent to Peel Rd. **1st for SZ69**

***N *Pilularia globulifera* (Pillwort):** Ditch End, S of Godshill, SU186 143; 15 May 2012; GS. A healthy population of *Pilularia globulifera* ... in a runnel in a bog in the New Forest, just to the west of Pitt's Wood Inclosure. **New tetrad**

AN *Pinus nigra* subsp. *laricio* (Corsican Pine): Milkham Inclosure, SU2110; 19 Nov 2011; MR. Puckpits Inclosure area, SU2510; 9 Oct 2011; MR & RCR. **1st for SU21**

Upperford Copse, Woodend, SU591 138; 28 Apr 2012; HREC[MR]. **1st for SU51**

AN *Pinus nigra* subsp. *nigra* (Austrian Pine): Bossington, SU3330; 25 Mar 2011; MR & GCo. **1st for SU33**

Down Farm, Kilmiston, SU5825; 21 Aug 2011; BGo & JGo. Beauworth, SU5725; 3 Sep 2011; BGo & JGo. **1st for SU52**

Heath Pond, Petersfield, SU7522; 25 Mar 2012; DN. **1st for SU72**

AN *Pinus pinaster* (Maritime Pine): Portchester shore, SU619 044; 1 Aug 2012; HREC[MR]. **1st for SU60**

AN *Pinus radiata* (Monterey Pine): Itchen Water Treatment Works, Southampton, SU458 156; 1 Jun 2012; JAN. Row of closely planted trees along stream including c.5 mature. **1st for SU41**

IBM Lake, Portsmouth, SU6404; 28 Jul 2012; GFa. **1st for SU60**

AN *Pinus strobus* (Weymouth Pine): Dames Slough Inclosure, SU2505; 16 May 2012; HREC[MR]. Planted row by ride from SU2523 0539 to SU2590 0553. Three younger trees that are possibly self-seeded. **1st for SU20**

N *Poa angustifolia* (Narrow-leaved Meadow-grass): Yacht Haven, Tye, SU729 018; 31 May 2012; DRA & JAN. **1st for SU70**

***N *Poa compressa* (Flattened Meadow-grass):** St Leonards: 1km sq, woodland and old hospital, SU1002; 17 May 2012; DHU & GDF. **New tetrad**

Calshot - inside of spit near to activities centre, SU4883 0221; 13 Sep 2011; PAB. **New tetrad**

Fort Brockhurst, SU597 020; 6 Nov 2011; DRA, JAN & EJC. SU 5975 0200, on the bridge (W side) over the moat, (most westerly bridge) at the S end on the wrong side of the railings. **New tetrad**

***N *Poa infirma* (Early Meadow-grass):** Studland Common, Milford-on-sea, SZ277 920; 6 Apr 2012; MR & RCR. Sandy trampled path, SZ2771 9206. Checked on anthers. **1st for SZ29**

N *Polypodium interjectum* (Intermediate Polypody): Havant Park, SU717 061; 5 Apr 2012; JAN, EJC & JRWH. In poor condition on wall next to St Faith's Church, not critically examined but likely to be this species. **1st for SU70**

***AN *Polypogon monspeliensis* (Annual Beard-grass):** Ashley, SU384 309; 3 Sep 2012; MR & RCR. A few plants on a remade and rekerbed verge with many other ruderals not generally present in the area. Probably introduced with topsoil. **1st for SU33**

NA Farlington Marshes approach road, SU675 043; 19 Jun 2012; JAN. A few plants on damp soil next to Farlington Marshes access road. **1st in tetrad since 17th century*

AN *Polypogon viridis* (Water Bent): Lyndhurst area, SU2908; 17 Jul 2012; MWR. By garden, A 337, SU 2997 0836, and elsewhere along this road. **1st for SU20**

Hayling Island, SU719 024; 30 May 2011; JAN. By wall of house, driveway to garages. Emsworth, SU747 059; 4 Jun 2012; JAN, EJC, KRWH & BF. Base of wall and in a driveway. Emsworth, SU747 062; 4 Jun 2012; JAN, EJC, KRWH & BF. One plant on pavement. **1st for SU70**

AN *Populus trichocarpa* (Western Balsam-poplar): Coastal Path, Wicor, Portchester, SU606 047; 1 Aug 2012; HREC[MR]. Cut back and making 'coppice' regrowth rather than suckering. Strongly ridged twigs, broad-based leaves. **1st for SU60**

N *Potamogeton pectinatus* (Fennel Pondweed): St Cross, Winchester, SU477 277; 27 Jun 2012; HFG[CC] det. MR. **1st for SU42**

N *Potentilla anglica* (Trailing Tormentil): Itchen Water Treatment Works, Southampton, SU457 159; 1 Jun 2012; JAN. Two patches on mown path around silt lagoon. **1st for SU41**

- AN *Potentilla fruticosa* (Shrubby Cinquefoil):** Itchen Water Treatment Works, Southampton, SU457 156; 1 Jun 2012; JAN. Very small, low patch at edge of mown grassland, presumably self-sown. SU4570 1567. **1st for SU41**
- AN *Prunus incisa* (Fuji Cherry):** Kingsmead area, Soberton, SU585 136; 28 Apr 2012; HREC[MR]. One large multi-stemmed plant on woodland boundary bank at back of road verge opposite houses, SU5853 1361. **New vice-county record**
- AN *Prunus lusitanica* (Portugal Laurel):** Nr Minstead Lodge, SU284 111; 18 Feb 2012; MR. In wooded fragment below lodge grounds. **1st for SU21**
- *N *Pulmonaria longifolia* (Narrow-leaved Lungwort):** Bratley Plain, SU207 085; 10 Jun 2012; BSBI[MR]. A few plants scattered amongst low Blackthorn and Hawthorn scrub to S of main path on wet ground, e.g. SU2076 0857 SU2077 0857. **New tetrad**
- AN *Pulmonaria saccharata* (Bethlehem-sage):** North Pond, Bishops Waltham - bank on south side, SU552 176; 12 Mar 2011; PAB. Kingsmead area, Soberton, SU586 136; 28 Apr 2012; HREC[MR]. **1st for SU51**
- Mude Valley - north, SZ182 937; 3 May 2011; PAB. West of roundabout in Compartment 1a. **1st for SZ19**
- AN *Quercus ilex* (Evergreen Oak):** Heath Pond, Petersfield, SU7523; 25 Mar 2012; DN. **1st for SU72**
- N *Ranunculus auricomus* (Goldilocks Buttercup):** North Poulner area, SU1606; 6 Jun 2012; DHu. **1st for SU10**
- AN *Ranunculus lingua* (Greater Spearwort):** Dean Hill Park, SU2712 2633; 9 Sep 2011; PW. Intro in man-made pond. **1st for SU23**
- *N *Ranunculus parviflorus* (Small-flowered Buttercup):** St Leonards: woodland and old hospital, SU1037 0204; 17 May 2012; DHu & GDF. SU10370204. **New tetrad**
- N *Ranunculus sceleratus* (Celery-leaved Buttercup):** Bratley Plain / Buckherd Bottom, SU2008; 10 Jun 2012; BSBI[MR]. **1st for SU20 since 1987**
- IN *Robinia pseudoacacia* (False-acacia):** Longwood estate, SU5424; 24 Jul 2012; BGo. S of Owslebury, SU5122; 23 Mar 2012; BGo & JGo. **1st for SU52**
- Mortimers Lane, SU501 187; 29 Aug 2012; GCo. **1st for SU51**
- N *Rosa micrantha* (Small-flowered Sweet-briar):** Hayling Island, SU718 038; 30 May 2011; JAN. Northney, Hayling Island, SU726 042; 29 Aug 2012; JAN. Yacht Haven, Tye, SU728 017; 31 May 2012; DRA & JAN. Coastal strip and/or meadow edge. **1st for SU70 since 1927**
- AN *Rosa multiflora* (Many-flowered Rose):** Upper Pennington area, SZ304 950; 6 Jun 2012; MWR. Planted and well naturalised in hedge by footpath S of Wainsford Road, SZ 3044 9503. **1st for SZ39**
- AN *Rosmarinus officinalis* (Rosemary):** Priddy's Hard SE, SU616010; 13 Nov 2011; DRA. On sea wall, N side of Forton Lake, one well grown plant. **1st for SU60**
- AN *Rubus loganobaccus* (Loganberry):** Warsash Common - Compartment 9, SU503 059; 15 Aug 2011; PAB. **1st for SU50**
- NH *Rumex x dufftii* (*R. obtusifolius* x *sanguineus*):** Meadow behind Horsebridge Road, Broughton, SU316 321; 10 Aug 2012; CCo, MR & EJC. Two plants in rank damp 'meadow' with both parents. Specimen taken by EJC. S of Chalk Vale, Up Somborne area, SU393 316; 3 Sep 2012; MR & RCR. By side of unmetalled byway, SU3937 3160. **1st for SU33**
- NH *Rumex x pratensis* (*R. crispus* x *obtusifolius*):** E of Hayters Copse, Broughton, SU322 322; 8 Jun 2012; MR, MPa & GCo. **1st for SU33**
- *N *Ruppia maritima* (Beaked Tasselweed):** Farlington Marshes, SU688 037; 6 Sep 2012; MR & GCo. Borrow-pit. **1st in tetrad since 1987**
- *N *Sagina maritima* (Sea Pearlwort):** Hayling Island, SU714 019; 30 May 2011; JAN. On dry saltmarsh edge. **New tetrad**
- Yacht Haven, Tye, SU729 018; 31 May 2012; DRA & JAN. **New tetrad**
- Great Salterns Quay, SU676 017; 30 May 2012; JAN. Ab along linear gravel depression, S of quay. **New tetrad**
- *N *Sagina nodosa* (Knotted Pearlwort):** Deadman Hill, Godshill, SU194 164; 9 Aug 2012; DCa. Along north verge of Roger Penny Way, NE of Godshill, frequent between SU 1943 1646 and 1949 1644. **New tetrad**
- *N *Salicornia europaea* (Common Glasswort):** Hayling island, SU7100; 24 Sep 2011; HFG[MR]. **New tetrad**
- *N *Salicornia fragilis* (Yellow Glasswort):** Hamble Common, SU4805; 31 Jul 2011; HFG[MR]. Hook Spit, SU4805; 2 Oct 2011; MR & RCR. **New tetrad**
- NH *Salix x reichardtii* (*S. caprea* x *cinerea*):** Burley (Anderwood Cottage) area., SU2485 0565; 18 May 2012; HREC[MR]. **1st for SU20**
- Netley Common, SU477 117; 5 Aug 2012; MR, PAB & CF. Single large bush on heathland area. **1st for SU41**
- *N *Salvia verbenaca* (Wild Clary):** Trinity Close / Trinity Green & Ramparts, SZ620 996; 9 Jun 2012; DRA. SZ 6204 9966, E. end of Trinity Close, N. verge, below planted Fraxinus. 33 plants, 14 with fl-stems, one with flowers - small only. **1st in tetrad since 1981**
- AN *Sedum forsterianum* (Rock Stonecrop):** West Tytherley Church, SU274 297; 18 Jul 2012; HREC[MR]. Naturalised in churchyard. **1st for SU22**
- AN *Sedum kantschaticum* (Kamchatka Stonecrop):** Durley Street: N.E. of Crossroads, road verge, SU528 178; 27 Sep 2012; GCo det. MR. **New vice-county record**
- AN *Sequoia sempervirens* (Coastal Redwood):** Waterslade area, SU1785 0718; 20 May 2012; BSBI[MR]. SU17850718, planted. **1st for SU10**
- Ampfield, SU407 235; 2 Feb 2012; MR. Ampfield churchyard. **1st for SU42**
- AN *Sequoiadendron giganteum* (Wellingtonia):** Vinney Ridge Inclosure area, SU266 050; 7 Oct 2012; MWR. 1 large tree, SU 2668 0500. **1st for SU20**
- Langley Wood area, SU355 091; 10 Oct 2012; MWR. tree, Longdown Inclosure, SU 3556 0913. **1st for SU30**
- Ampfield, SU407 235; 2 Feb 2012; MR. Ampfield churchyard. **1st for SU42**
- Beauworth, SU573 259; 3 Sep 2011; BGo & JGo. Presumably planted long ago. **1st for SU52**
- AN *Silene coronaria* (Rose Campion):** Buckland, Southampton Road, SZ317 962; 20 May 2012; MWR. 1 large plant at garden wall/pavement junction, certainly not planted, SZ 3171 9629. **1st for SZ39**
- AR *Silybum marianum* (Milk Thistle):** Mude Valley - north, SZ1893; 29 May 2011; PAB. On bank in 6b east of Mudeford Wood community centre. **1st for SZ19 since 1927**
- AR *Smyrnium olusatrum* (Alexanders):** North Poulner area: North Poulner Road, SU1609 0660; 6 Jun 2012; DHu. **1st for SU10**
- AN *Solidago gigantea* (Early Goldenrod):** Warnford, SU625 235; 15 Aug 2012; MR & RCR. Road bank. **1st for SU62**
- AN *Sorbus intermedia* (Swedish Whitebeam):** Upperford Copse, SU589 134; 28 Apr 2012; HREC[MR]. By car park entrance. **1st for SU51**
- Hazeley Down, SU5025; 20 Nov 2011; MR & RCR. Morestead Down, Twyford, SU505265; 29 May 2012; BGo. On east roadside. Morestead, SU512258; 1 Jun 2012; BGo & JGo. On bank under beech, SU51202589. Corhampton Forest, SU5821; 15 Jun 2012; BGo & JGo. In hedgerow by road near St Clair's Farm entrance. **1st for SU52**

AN *Symphytum* 'Hidcote Blue' (Hidcote Comfrey): Near Arnewood Manor Farm: Arnewood Bridge Road (B3055), SZ266 971; 11 May 2012; MWR. 2 patches near garden (but not planted), SZ 2666 9715. Not seen here before. **1st for SZ29**

AN *Symphytum tuberosum* (Tuberous Comfrey): Rockbourne area, SU1129 1844; 9 May 2012; HREC[MR]. Spreading from garden where planted along stream bank. **1st for SU11**

AN *Thuja plicata* (Western Red-cedar): Pig Bush / Tantany Wood, New Forest, SU3604; 6 Nov 2011; MR & RCR. Lyndhurst, SU3008; 5 Jul 2012; MWR. Planted in cemetery, SU 3076 0822, and on roadside (A35), SU 3071 0845. **1st for SU30**

N *Thymus pulegioides* (Large Thyme): Gale Moor Avenue area, Gomer, SZ588 995; 11 Sep 2012; DRA. SZ 5883 9951, mown grass embankment, adjacent to Whitecliffe Court flats. 2 patches c.2 x 1-2m, plus 2 patches 30-50cm. **1st for SZ59**

***AN *Tilia platyphyllos* (Large-leaved Lime):** Lyndhurst, SU2908; 17 Jul 2012; MWR. Planted. Knightwood Oak area, SU265 060; 16 Sep 2012; MWR. 1 tree, planted in roadside hedge (A 35), SU 2650 0608. **1st for SU20**

Southampton (Banister's Park), SU4113; 3 Sep 2012; MWR. Planted on Southampton Common. subsp. *cordifolia*. **1st for SU41**

MH *Tilia x euchlora* (Caucasian Lime (*T.cordata x dasystyla*)): St Cross - N of priory, SU477 278; 27 Jun 2012; HFG[CC] det. MR. Specimen tree NE of priory. **1st for SU42**

Upper Pennington area, SZ301 954; 6 Jun 2012; MWR. Planted on roadside, Middle Common Road, SZ 3018 9544. **1st for SZ39**

***N *Torilis nodosa* (Knotted Hedge-parsley):** Ashley: Ashley Common Road, SZ253959; 24 Jun 2012; MWR. 1 plant on roadside verge, SZ 2531 9597. Fruits typical. **New tetrad**

Lee-on-the-Solent (numerous roads), SU5600, SU5601, SU5700; 24 Mar 2012 and 27 Mar 2012; DRA et al. e.g. SU 5675 0097, abund. in verges on W side of rd (& elsewhere). **New tetrad**

Speedfields Park, SU577 043; 23 May 2012; DRA, JANJ & EJC. E. side of car park in NE corner of Speedfield Ind. Est. **New tetrad**

Rowner (various roads), SU5801; 16 Apr 2012 and 02 May 2012; DRA. E.g. SU 5807 0171, S side of Mansfield Rd. (oppos. Snape Cl). several in garden lawns (no.39, & no.43). **New tetrad**

Fleetlands: Aerodrome Road, SU5803; 15 Apr 2012; DRA & JAN. LF on kerbs & in turf, by shingly area on W. side of road. **New tetrad**

Milton Common, Portsmouth, SU676014; 6 Mar 2012; JAN. A few patches in grassland E side of Eastern Road, SU6762 0149. **New tetrad**

Anchorage Park, Portsmouth, SU672033; 6 Mar 2012; JAN. A few patches on grass bank, by road. **New tetrad**

Seafarers Walk, Hayling, SZ748985, SZ749985; 24 Apr 2012; JAN. Large patches on mown verge, N side of Seafarers Walk. Covering many square metres. **New tetrad**

***N *Trifolium glomeratum* (Clustered Clover):** Bisterne Warren, SU146 004; 29 Apr 2012; HFG[CC]. Verge of sandy track. **New tetrad**

***N *Trifolium scabrum* (Rough Clover):** Warblington Meadows, SU729 050; 4 Jun 2011; JAN. Several patches on inner bank of sea wall. **1st in tetrad since 1951**

AC *Tropaeolum majus* (Nasturtium): Warnford, SU625 235; 15 Aug 2012; MR & RCR. Road verge, garden outcast from neighbouring cottage. **1st for SU62**

AN *Verbascum speciosum* (Hungarian Mullein): Butts Lawn, Brockenhurst, SU298 028; 6 Aug 2012; DCa. 2 in flower on road verge at corner of private road Carey's Cottages, SU2985 0281. **1st for SU20**

N *Veronica scutellata* (Marsh Speedwell): Hinton Marsh area, SU5827; 27 Jul 2011; BGo & JGo. **1st for SU52**

***N *Vicia lathyroides* (Spring Vetch):** Studland Common, Milford-on-sea, SZ277 920; 6 Apr 2012; MR & RCR. Short sandy turf by path side, SZ2772 9209. **1st for SZ29**

AN *Vinca major* var. *oxyloba* (Greater Periwinkle): Morestead, SU5025; 18 Nov 2011; BGo & JGo. Twyford Road junction, on roadside. **1st for SU52**

***NH X *Agropogon lutosus* (Perennial Beard-grass):** Lower Pennington, SZ3113 9325; 21 Jun 2011; MWR conf. TAC. With both parents in damp grassland. **1st for SZ29**

NH X *Schedolium loliaceum* (*Schedonorus pratensis x Lolium perenne*): Beauworth dist. N of Rabbit Copse, SU5726; 3 Sep 2011; BGo & JGo conf. MR. Field margin, SU572267. Voucher in Hampshire County Museum, Chilcomb. **1st for SU52**

AN *Xanthocyparis nootkatensis* (Nootka Cypress): Waterslade area, SU1707; 20 May 2012; HREC[MR]. **1st for SU10**

Knapp, Ampfield, SU407 240; 25 Jan 2012; MR. Planted above Forestry cottages. **1st for SU42**

AN *Zantedeschia aethiopica* (Altar-lily): Charles Copse area: along footpath, SU170 032; 21 Jun 2012; DHu. in a ditch SU1706 0320. **1st for SU10**

VC12 Records

Compiled by Tony Mundell

Yet again here is a set of my personal selections from the records received recently. As usual I have omitted the 'SU' to save space, and I remind you that inclusion of a record does not imply that there is public access, as some of these records were obtained during surveys at the owner's invitation.

In selecting records to publish here I tend to prefer uncommon native species, but I have included a sprinkling of unusual aliens like the *Ailanthus altissima* (Tree of Heaven), *Ambrosia artemisiifolia* (Ragweed) and *Oxalis dillenii* (Sussex Yellow-sorrel).

Exciting finds in 2012 included *Fallopia dumetorum* (Copse Bindweed) and *Cynoglossum germanicum* (Green Hound's-tongue). I feared that the *Fallopia* was now extinct in VC12 but as well as re-finding it at a former site, Fred Rumsey found a plant at a new spot in the same general area. The Green Hound's-tongue is a real surprise as it is such a rare plant (Nationally Critically Endangered and a 'Schedule 8' species protected under the Wildlife & Countryside Act), and new for Hampshire. Most of the British sites are clustered in Surrey where it is a native. The only recent records away from Surrey are two sites in Oxfordshire, though there are a few old records elsewhere. Most of the Surrey plants are many miles away from the Hants site in the Mole Valley in central Surrey but there is a 1951 record at SU949476 (supported by a specimen in BM) and this is just 10km away. Its hooked seeds could easily be spread by animals such as deer or dogs or even on the socks of people, though Ann Sankey tells me that its seeds are only viable for a short time. It was in seed when I found it and I have never seen it in flower. I have been sent a photo of a flowering plant taken in Surrey by Ralph Hobbs that I have included in this newsletter. Its status in Hampshire is questionable, but could be native.

***Agrostemma githago* (Corncockle)** SW of West Worldham, sown in a strip along a field edge with Corn Flower and extending in abundance for 200m 735362 to 737360, Tony Mundell 6 Aug 2012.

Ailanthus altissima (Tree of Heaven) Hurstbourne Tarrant, 2 male trees by SE corner of barn at 3845 5268, Peter Billingham 17 Jul 2012.

Ajuga chamaepitys (Ground-pine) 15 plants at 5040 4392, northern edge of arable field, S of Freefolk Wood, Simon Melville 18 Aug 2012.

Alisma lanceolatum (Narrow-leaved Water-plantain) A few plants at Eelmoor Flash 8425 5281, Tony Mundell 3 Aug 2012.

Allium roseum (Rosy Garlic) 10 inflorescences with bulbils and flowers on NW verge of lane at Charlton 349486, John Moon 4 Jun 2012.

Ambrosia artemisiifolia (Ragweed) 100 plants at Weyhill 3029 4660, in former chicken run at bottom of large garden, John Moon 11 Oct 2012.

Anagallis arvensis subsp. arvensis f. lilacina (Scarlet Pimpernel) A variety with pinkish mauve flowers, W of Hannington 513550, Sarah Ball 4 Jul 2012.

Anagallis minima (Chaffweed) I could only find two plants of *Anagallis minima* and no *Radiola* at Heath Warren 76159 60648 where in previous years there had been many, Tony Mundell 28 Aug 2012.

Anagallis tenella (Bog Pimpernel) Locally plentiful in bog Silchester Common 6234 6225 to 6233 6226, Tony Mundell 30 Aug 2012.

Anisantha diandra (Great Brome) At Hawley Lake 8389 5781, edge of dinghy park, HFG 18 Aug 2012. Scattered through Barley crop NE of Upton Grey, e.g. 7164 4992, Tony Mundell 19 Aug 2012.

Anthemis cotula (Stinking Chamomile) Frequent in Romsey Road Field, Cholderton Estate 246431, John Moon 27 Jul 2012. Several along cornfield edge at Heckfield 715608, Tony Mundell & Renée Grayer 26 Jun 2012. Scattered through Barley crop, NE of Upton Grey e.g. 7164 4992, Tony Mundell 19 Aug 2012. 500 plants in field between railway lines at Little Park 329451, John Moon 28 May 2012.

Apera spica-venti (Loose Silky-bent) Abundant along various field edges W and NW of Dogmersfield e.g. 760526, 761526, 763528, 769531, Tony Mundell 8 Aug 2012. Scattered along edge of Oat crop E of Hartley Wespall 7072 5841, and extending well into the crop, Tony Mundell 26 Jul 2012.

Apium inundatum (Lesser Marshwort) A few plants in mud on pond margin where recently scraped, at Bramshill 7473 6296 and 7474 6297, Tony Mundell 28 Aug 2012.

Arabis hirsuta (Hairy Rock-cress) Stockbridge Down, 20 plants at 3786 3490, and very plentiful within 100m square 378348, Tony Mundell 23 Jun 2012.

Arctium lappa (Greater Burdock) Six plants at 7683 5359 beside public footpath near to rear of Winchfield churchyard, Tony Mundell 8 Aug 2012.

Astragalus glycyphyllos (Wild Liquorice) Worthy Down disused railway 4798 3512, Andy Davidson 31 Aug 2012.

Atropa belladonna (Deadly Nightshade) Many plants near the path SW of Over Wallop 262354, Susan Simmonds 5 Jul 2012.

Barbarea intermedia (Medium-flowered Winter-cress) Several plants at Colemore 7113 3074 along cornfield edge and in field corner, voucher specimen collected, Tony Mundell 23 Aug 2012.

Berberis vulgaris (Barberry) At West Stratton 5254 4009 in hedgerow beside footpath, Tony Mundell 6 Oct 2012.

Bromus racemosus (Smooth Brome) Plentiful along cornfield edge Selborne 7486 3249 to 7477 3242, Tony Mundell 3 Jul 2012.

Bromus secalinus (Rye Brome) Horsedown Common in field corner at 7653 4881 Tony Mundell 29 Jul 2012. Scattered along edge of Oat crop E of Hartley Wespall 7072 5841, and extending well into the crop, also a single plant in cornfield at 7035 5883, Tony Mundell 26 Jul 2012.

Butomus umbellatus (Flowering Rush) About 30 leaves, but no flowers, Basingstoke Canal, Fleet 8162 5362 on towpath bank adjacent to Warren Close, Chris Hall 13 Aug 2012.

Calystegia sepium subsp. sepium f. schizoflora (Hedge Bindweed) Several plants at Dogmersfield 7769 5206 beside canal towpath, Tony Mundell 11 Aug 2012. This variety has the corolla split into separate lobes.

Camelina sativa (Gold-of-pleasure) Abundant in sown strip on field edge with *Phacelia tanacetifolia* and *Linum bienne* NE of Upton Grey 714496, Tony Mundell 19 Aug 2012. Voucher specimen kept.

Carex arenaria (Sand Sedge) Large patch at Woolmer Forest 7898 3250 to 7897 3248, Tony Mundell 28 Jul 2012.

Carex laevigata (Smooth-stalked Sedge) Farnborough Airport 8501 5310, Phil Budd 2 May 2012.

Carex viridula subsp. viridula (Small-fruited Yellow-sedge) Thinly scattered by Fleet Pond on area scraped bare in last couple of years, e.g. at 8250 5502, 8250 5495 and 8251 5499, Tony Mundell 9 Aug 2012.

Catapodium rigidum (Fern-grass) Scattered along north side of Bunny Bridge, Leckford 361369, Barry & Jane Goater 31 Aug 2012.

Centaurium pulchellum (Lesser Centaury) 14 plants at Heath Warren 7661 5996 near the main gravel track, with *Centaurium erythraea* a few metres away, Tony Mundell 28 Aug 2012. On the old firing range near Caesar's Camp, Aldershot 8397 5044, groups of 82 and 33 in flower with others immature, Chris Hall 7 Jul 2012.

Cephalanthera damasonium (White Helleborine) 22 spikes, Andover A303/A3093 junction 386445, Mervyn Grist c.25 Jun 2012. Three in wild area of garden of Down Lodge, Upper Farringdon 7135 3485, shown by owner to Dawn Nelson 7 Jul 2012. Two seedlings on bank under trees by track W of North Oakley 5233 5469, Sarah Ball & Tony Mundell 20 Jul 2012.

Chamaemelum nobile (Chamomile) On north verge at 8630 5206 to 8630 5207, main patch c.9m x 2-3m, more in patch c.2.5m x 2m plus smaller outlier patches, Chris Hall 15 Sep 2012. This area is about to be developed.

Cicerbita macrophylla (Common Blue Sow-thistle) On NW side of lane at Fyfield 3031 4722, Peter Billingham 29 Jun 2012.

Claytonia sibirica (Pink Purslane) Dominant in patch c. 30x20m in wood N of Overton, centred on 5192 5331, Sarah Ball 11 Jul 2012.

Coeloglossum viride (Frog Orchid) Porton Down, 11 spikes at 24725 37574, east of the unmade track. 2 very small spikes at 24911 37537, near the OP11 sign. 5 spikes at 24683 37571, 1 at 24679 37569, 4 at 24677 37572, 20 at 24652 37560 and 39 at 24638 37562. 7 small spikes in the vicinity of 24892 37560. All Anne Appleyard & Ailsa McKee 26 Aug 2012.

Cynoglossum germanicum (Green Hound's-tongue) Along woodland edge under beech trees beside Shoe Lane, Farnborough 8617 5262, Tony Mundell 3 Aug 2012. Confirmed 7 Aug 2012 by John Poland & Eric Clement. ARGM returned on 7 Aug 2012 to take voucher photos and found over 100 plants scattered over an area of about 50m x 20m. They are along the road verge 86180 52635 to 86179 52616 and extend into the wood at 86136 52640. Most are under Beech but they also survive under mature *Tsuga heterophylla* wherever light penetrates to the ground.

Cynosurus echinatus (Rough Dog's-tail) Still present at Fleet M3 Service Station (where first found by Pete Selby) but decreased, scattered from 7983 5596 to 7986 5598 under pines in the strip between the car park and the exit lane, Tony Mundell 20 Aug 2012 (over and brown at this time of year).

Dactylorhiza incarnata subsp. incarnata (Early Marsh Orchid) Private meadow at Whitchurch, altogether >300 plants mixed with *D. praetermissa*, concentrated in areas bounded by: 4617 4712, 4620 4717, 46104722, 4606 4712 & 4601 4707, 4604 4706, 4710 4709, also scattered around outside those boundaries in



Seeds of Green Hound's-tongue *Cynoglossum germanicum*, Farnborough – Tony Mundell



Green Hound's-tongue *Cynoglossum germanicum* in Surrey – Ralph Hobbs

the north half of the meadow, Peter Billingham, Claire Wilson & Vic Johnstone 25 Jun 2012.

***Dactylorhiza praetermissa* var. *junialis* (Leopard Marsh Orchid)** Farnborough Airport 850530, Phil Budd 14 Jun 2012.

***Dactylorhiza x hallii* (*D. maculata x praetermissa*)** Single plant at 3917 4019 amongst c.100 *D. praetermissa* in meadow beside footpath just outside Chilbolton Common, Tony Mundell & Susan Simmonds.

***Digitalis lutea* (Straw Foxglove)** Two flower spikes at Thruxton 2760 4497 plus three more at 2761 4497 on ground subject to urban/building waste soil recycling, Miles Hodgkiss 26 Jun 2012. Photos confirmed ARGM.

***Duchesnea indica* (Yellow-flowered Strawberry)** Amongst bricks on terrace at Abbots Ann 32914377, John Moon 1 Jul 2012.

***Echium plantagineum* (Purple Viper's-bugloss)** Probably introduced via a pheasant or nectar crop, in field W of Bramdown Copse 525423, John Moon 20 Aug 2012.

***Elatine hexandra* (Six-stamened Waterwort)** At Fleet Pond 8251 5499 on area scraped bare a couple of years ago, Tony Mundell 9 Aug 2012.

***Eleocharis acicularis* (Needle Spike-rush)** Bramshill in several places at pond edge where recently scraped, small patches at 7471 6294, 7474 6296, 7474 6297, 7474 6299 and 7471 6295, Tony Mundell 28 Aug 2012.

***Epilobium roseum* (Pale Willowherb)** Farnborough Airport 850530, in woodland area, Phil Budd 14 Jun 2012.

***Epipactis purpurata* (Violet Helleborine)** Five clumps with approximately 5 stems each on grass verge of side road (off Meadham Lane) beside wood, Hannington 532559, Sarah Ball

20 Jul 2012. Lower Froyle 7413 4518, 32 mown-off stems on east bank of road leading to Long Sutton adjoining Highnam Copse, also groups of 3 cut stems on west road bank and one uncut stem 37 paces from the road, Sue Clark 8 Aug 2012. Sue is trying to get these protected from the mowers. On 5 Jul 2012 David & Shireen Caals reported plants not yet flowering at Four Marks 6752 3451 just outside Garthowen Garden Centre, just by a HCC sign denoting a protected verge – BUT on 18 July Diana Tennyson reported that they had all been mown off and the mowers had even gone right around the Wildflower sign! Diana Tennyson continues to find more sites in Four Marks and is doing a great job trying to get them protected from the mowers. Additional Four Marks sites that she reported in Aug 2012 include: Two plants at Winchester Road 6765 3547 near garden fence; opposite Cranford House, Alton Lane 6728 3425 on verge outside Two Acres Nursery; in front garden of 'Alderbaran', No.2a Blackberry Lane 6753 3537.

***Equisetum sylvaticum* (Wood Horsetail)** Much decreased due to shading and only just hanging on with only two spikes found at Silchester Common 62304 62234 in dense boggy birch scrub, Tony Mundell 30 Aug 2012.

***Euphrasia pseudokernerii* (an Eyebright)** A very few convincing plants at Stockbridge Down around 3808 3496 with a larger number of putative *E. pseudokernerii x nemorosa*, Martin Rand & Dr M E Smith 20 Aug 2012.

***Fallopia dumetorum* (Copse Bindweed)** Single plant at Heckfield 7305 6027 climbing up through Bracken on west side of road, also a really large patch, though probably a single plant, on the bank above the B3011 at Heckfield 7344 6067, Fred Rumsey 2 Sep 2012.

***Festuca heterophylla* (Various-leaved Fescue)** A few clumps on field edge SW of West Worldham 735362 beside a public footpath, possibly introduced as a grain impurity, Tony Mundell 6 Aug 2012. Several clumps at Basingstoke Canal, Claycart 8526



Copse Bindweed *Fallopia dumetorum*, Heckfield – Tony Mundell

5263 on bank beside towpath, Tony Mundell 3 Aug 2012, voucher specimen retained.

***Filago vulgaris* (Common Cudweed)** Two plants in centre of farm track, Cholderton Estate 2345 4273, John Moon 26 Aug 2012.

***Fumaria parviflora* (Fine-leaved Fumitory)** One plant at Romsey Road Field, Cholderton Estate 2444 4316, also 3 plants of *Fumaria reuteri* at 2460 4312, John Moon 27 Jul 2012.

***Galinsoga quadriradiata* (Shaggy Soldier)** c.80 plants in cracks between road and kerb, Kent Road, Fleet 816545 between the undertakers and Dunmow Hill, John Ayres 20 Jul 2012, specimen confirmed ARGM.

***Galanthus nivalis x plicatus* (a hybrid Snowdrop)** W of Neatham Mill, Holybourne 7384 4068, Phil Budd 15 Jan 2012, identified by Eric Clement.

***Genista anglica* (Petty Whin)** Two shrubs near Cheese Hill at Steep Bottom, Aldershot 8409 5063 near one of the turf scrapes, Chris Hall 7 Jul 2012.

***Gentiana pneumonanthe* (Marsh Gentian)** Total of 276 plants counted at Bartley Heath with 16 people sweeping systematically across the site, Peter Vaughan et al 26 Aug 2012. Area currently getting overgrown by young birch but there are plans to clear it. Former counts were 2011 - 974 plants, 2010 - 654, 2009 - 335, 2008 - no count, 2007 - 1,236.

***Gentianella x pamplinii* (*G. amarella* x *germanica*)** Still in profusion near Litchfield at 4631 5524 on E verge of A34, with first flowers just coming out, David & Shireen Caals 12 Aug 2012.

***Geranium columbinum* (Long-stalked Crane's-bill)** One at Forton 4148 4354, Peter Marston 25 Jul 2012.

***Geranium lucidum* (Shining Crane's-bill)** Apparent escape into hedge-bank from neighbouring garden, Lwer Bordean 692248, Martin Rand & Ginnie Copsey 14 Aug 2012.

***Geranium pratense* (Meadow Crane's-bill)** A large clump on the north verge of Alton Lane, Four Marks 669339, almost opposite Pooks Hill house, with remarkable 'variegated' petals streaked with white and blue, David & Shireen Caals 5 Jul 2012. There was a normal blue flowered plant a few yards further NE.



Unusual form of Meadow Cranesbill *Geranium pratense* –
David Caals

***Glebionis segetum* (Corn Marigold)** At least 50 plants on cornfield edge at Pamber Green 6044 5933 beside footpath, Tony Mundell 6 Jul 2012. Single plant E of Hartley Wespall 7035 5883 in cornfield, Tony Mundell 26 Jul 2012.

***Gnaphalium sylvaticum* (Heath Cudweed)** 70+ plants on minor track at Liss Forest 7951 2995, HFG with Tony Mundell 4 Aug 2012. Total of 16 spikes at Southwood Heath, groups of 7 + 2 spikes at 8393 5493, one at 8394 5494, 4 at 8395 5491 and 2 at 8394 5491, Tony Mundell 10 Aug 2012.

***Herminium monorchis* (Musk Orchid)** A few on 'The Scrape', Noar Hill 741318, Sue Clark 29 Jun 2012.

***Hieracium rigens* (Rigid Hawkweed)** Fleet Pond 8234 5531 on south side of track from car park to pond, 20m east of notice board, Michael Shaw 4 Sep 2012, determined by D J McCosh.

***Hyoscyamus niger* (Henbane)** In game strip at eastern edge of field, near Norton Wood 493433, Simon Melville 17 Sep 2012.

***Hypochaeris glabra* (Smooth Cat's-ear)** In almost pure sand on north verge of road, flowers mostly going over, 21 plants at 7893 3136 close to a small oak (with much *Vulpia ciliata* nearby), plus 1 at 7890 3138 and 2 at 7888 3139, Tony Mundell 28 Jul 2012. None could be found on the south side of the road or on top of the steep sandy 'cliff' where recorded in 1996.

***Iris sibirica* (Siberian Iris)** By bridge at Whitchurch 4608 4718, Peter Billinghurst 25 Jun 2012.

***Lactuca virosa* (Great Lettuce)** Still apparently spreading in North Hampshire. Beside A31 at Bentley 777436 and 779436, Tony Mundell 2 Aug 2012. On railway bridge at Newnham 712537, Tony Mundell 8 Jul 2012. 50+ plants on roadside at Southwood 8358 5549 just S of railway bridge, Tony Mundell 18 Aug 2012. Farnborough Airport 847529, Phil Budd 2 May 2012.

***Lathraea clandestina* (Purple Toothwort)** W of Neatham Mill, Holybourne c.7376 4061, remarkably a few already in bloom, Phil Budd 15 Jan 2012.

***Legousia hybrida* (Venus's-looking-glass)** Hannington 5306 5526, a few plants along field edge, Sarah Ball 20 Jul 2012.

***Legousia speculum-veneris* (Large Venus's-looking-glass)** Several independent records of this unique persisting colony W of Wootton St Lawrence: Scattered in set-aside strip around field edge from 5721 5387 to 5744 5390, Simon Melville 5 Jul 2012. Scattered plants for about 400m around ploughed strip on NE side of field stretching from 5711 5367 to 5746 5388 but with main concentration in field corner at 5738 5393, Mike Hackston 15 Jul 2012. Over 100 plants at 573539, some of them quite small, Clare Lloyd-Williams 28 Jul 2012.

***Lepidium campestre* (Field Pepperwort)** Field margin, Hackwood 395499, Mike Wildish 22 Aug 2012.

***Lilium martagon* (Martagon Lily)** Two presumably independent records on same day at Four Marks 675345: Very well established in the rough area between Garthowen Garden Centre and the house to the south west, not liking competition with vigorous grasses, so generally growing around the edges, two had white flowers, David & Shireen Caals 5 Jul 2012. Around 100 plants, including two or three white-flowered ones, Simon Melville 5 Jul 2012.

***Linaria repens* (Pale Toadflax)** E of Longparish, three at 4485 4484, two at 4495 4502, one at 4495 4503, one at 4490 4492, and one at 4492 4498, Peter Marston 25 Jul 2012.

***Misopates orontium* (Weasel's-snout)** 20-30 plants at Cranbourne 5040 4392 in set-aside edge, northern edge of arable field, Simon Melville 18 Aug 2012.

***Monotropa hypopitys* (Yellow Bird's-nest)** At foot of beech tree Tidworth 2173 4681, plants just in VC12 according to 'wheresthepath' website, John Moon 27 Aug 2012. Two plants beside bridleway in wood S of Tunworth 674481, Geoffrey Farwell 7 Jul 2012.

***Oreopteris limbosperma* (Lemon-scented Fern)** 11 medium to large plants at Claycart Flash c.8508 5267, Chris Hall 4 Aug 2012. In ditch at Liss Forest 7884 2968 with many other fern species, Tony Mundell 30 Jul 2012.

***Oxalis dillenii* (Sussex Yellow-sorrel)** In vegetable garden at Abbots Ann 3295 4376, possibly introduced with bought-in young Brassica plants, John Moon 1 Jul 2012, specimen confirmed Tony Mundell. This very rare alien is similar to the very common *O. stricta*, but has a decumbent habit, fruit pedicels reflexed and the vegetative parts have only white simple hairs, lacking the translucent septeate hairs of *O. stricta*.

Papaver argemone (Prickly Poppy) In fields near Bramdown Copse at 525473 and 528470, John Moon 20 Aug 2012. Hannington 5302 5520, a few plants at field edge beside footpath, Sarah Ball 20 Jul 2012. One at Old Alresford 5804 3493, Peter Marston 9 Aug 2012.

Papaver hybridum (Rough Poppy) E of Andover 414466 on southern field edge, Simon Melville 28 Aug 2012. In game strip at eastern edge of field, Norton Wood area 493433, Simon Melville 17 Sep 2012. One at edge of wheat field at Old Alresford 5812 3484, Peter Marston 9 Aug 2012.

Parentucellia viscosa (Yellow Bartsia) Over 20 plants at Liss Forest 7893 2970 and more scattered nearby, Tony Mundell 30 Jul 2012.

Persicaria campanulata (Lesser Knotweed) The patch beside the Basingstoke Canal near Pondtail at 8266 5359 is still present between the towpath and canal edge, Tony Mundell 9 Aug 2012. Known here since 1986.

Petroselinum segetum (Corn Parsley) Three plants on field edge at Wildhern 359512, John Moon 2 May 2012. Half a dozen rabbit chewed plants in field edge at S end of rectangular wood, Fob Down 5739 3304, on western edge of arable field, Simon Melville 18 Aug 2012.

Poa angustifolia (Narrow-leaved Meadow-grass) At 7076 3701 on SW corner of Chawton churchyard wall, Dawn Nelson 7 Jul 2012.

Polycarpon tetraphyllum (Four-leaved Allseed) One plant at the base of the front garden wall at 79 Pavilion Road, Aldershot, and another in the gutter on the other side of the road, 8516 5039 and 8516 5041, Fred Rumsey 20 Jul 2012. These have evidently escaped following an unwitting introduction of the species into Fred Rumsey's garden.

Polygonum rurivagum (Corn Knotgrass) Westover Farm, abundant in Trent Field 372403 and occasional in Chalk Pit Field 368405, John Moon 21 Aug 2012.

Polystichum x bicknellii (Soft x Hard Shield Fern) Sunken lane in West Worldham 7376 3727 and 7384 3719, Tony Mundell 6 Aug 2012, specimens confirmed by Fred Rumsey. Many spores mis-shaped and shriveled. Both parents also present nearby.

Potentilla palustris (Marsh Cinquefoil) Numerous and in flower along the south west edge of Shortheath Pond 775368, more in the adjacent boggy strip of shady woodland but not flowering there, David & Shireen Caals 5 Jul 2012.

Pyrola minor (Common Wintergreen) Large colony at Liss Forest, Longmoor, 7909 2969 close to a leaning pine, plus small patches at 7911 2971, 7914 2972 and 7916 2973 on bank beside main gravel track, Tony Mundell 30 Jul 2012.

Pyrus pyraeaster (Wild Pear) Large tree with several round fruit at Danebury Ring at 3240 3770, Peter Marston 19 Aug 2012.

Radiola linoides (Allseed) Many very tiny plants at Liss Forest 7942 2987, Tony Mundell 30 Jul 2012.

Ranunculus auricomus (Goldilocks Buttercup) Four plants on verge at Abbots Ann 3295 4451, and small patch on verge of Cattle Lane at 3334 4390, John Moon 1 Jul 2012.

Rumex x duftii (Rumex obtusifolius x crispus) Augurs Hill Copse, field edge 3818 4304, HFG 12 Aug 2012.

Ruscus aculeatus (Butcher's Broom) One small plant (4 stems) in wood, Laverstoke 485495 - visible from road, Simon Melville 3 Aug 2012.

Salvia verticillata (Whorled Clary) E of Longparish on east side of disused railway at 4487 4485, 13 flower spikes, Peter Marston 25 Jul 2012.

Sanguisorba officinalis (Great Burnet) A small patch at Ron's Meadow Reserve, Tadley 6024 6067 on a flushed bank that drops down into the ranker fen on SE side of site, Ian Ralphs 19 Jul 2012.

Senecio x subnebrodensis (S. squalidus x viscosus) Four plants at Aldershot Station on railway track bed from 8669 5043 to 8669 5044 by Platform 2, just on London side of the over-bridge, Fred Rumsey 24 Jul 2012.

Setaria viridis (Green Bristle-grass) Probably originally sown in pheasant patch, Middle Wyke, Trinley Estate 403496, seeding and likely to persist, Mike Wildish 22 Aug 2012.

Spergularia marina (Lesser Sea-spurrey) Weyhill 321466, A342 north margin as roadside halophyte, also at Weyhill 328454, on bare chalk of Andover Business Park development site, unusually not as a roadside halophyte, both Mike Wildish 5 Jul 2012. Plentiful at Alton 7319 4034 on roadside verge, Tony Mundell 24 Jul 2012.

Stachys arvensis (Field Woundwort) 100 plants estimated in field strip at Colemore 7122 3080 where crossed by public footpath, but this strip extends for hundreds of metres in both directions from here, and a single plant was also found at one end of the strip where it reaches a road at 7122 3047, so almost certainly there is much more *Stachys arvensis* elsewhere along the strip, Tony Mundell 23 Aug 2012. Margins of Opium Poppy field, Clatford Oakcuts 328396, Martin & Clare Rand 9 Aug 2012.

Teesdalia nudicaulis (Shepherd's Cress) Still flowering at Slab Common, Oakhanger 7802 3578 from the old spring rootstock among spent seed heads, Steve Povey 7 Jul 2012.

Teucrium botrys (Cut-leaved Germander) Field edge at Augurs Hill Copse, six plants, some of them seedlings at 3849 4287, six at 3824 4303, one in field corner at 3862 4279, one at 3855 4283, another at 3852 4284, HFG 12 Aug 2012.

Thalictrum flavum (Common Meadow-rue) Leckford North Moors Meadow 3804 3880 and 3803 3887, John Moon 10 Sep 2012. Small patch beside footpath in wet area at West Stratton 5300 4010, Tony Mundell 6 Oct 2012.

Thesium humifusum (Bastard Toadflax) Danebury Ring, c.10 plants scattered thinly on 10m x 10m area centred on 3270 3774 and c.100 spread over 10m x 10m area centred on 3252 3758, John Moon, 5 Sep 2012. Perham Ranges, 40m x 40m patch centred on 2620 4818, 5m x 5m patches at 2601 4807 and 2609 4806, John Moon 3 Aug 2012.

Torilis arvensis (Spreading Hedge-parsley) On bare chalk of Andover Business Park development site 328454, scattered plants, Mike Wildish 17 Jul 2012.

Ulmus minor subsp. minor (Small-leaved Elm) Clatford Oakcuts 332397, beside byway to Abbots Ann, Martin & Clare Rand 9 Aug 2012.

Vaccinium oxycoccos (Cranberry) Shortheath Bog is covered in Cranberry but my photo was taken at 774367, David & Shireen Caals 5 Jul 2012.

Valerianella dentata (Narrow-fruited Cornsalad) One at edge of wheat field at Old Alresford 5798 3501 and another at 5799 3500, Peter Marston 9 Aug 2012. Dozens of plants at Cranbourne 5040 4392 in set-aside edge, northern edge of arable field, Simon Melville 18 Aug 2012. Corner of field at junction of Hanging Bushes Lane and A342, Weyhill 325465, Mike Wildish 26 Aug 2012.

Viola palustris subsp. palustris (Bog Violet) Locally plentiful in bog, Silchester Common 6234 6225 to 6233 6226 and 6234 6224, Tony Mundell 30 Aug 2012.

Vulpia ciliata (Bearded Fescue) Locally plentiful in almost pure sand on north verge of Woolmer Road. 20 plants (now over) counted by track entrance at 7888 3139, 20 at 7890 3138, 120 at 7891 3137, 20 at 7894 3136 and 8 at 7893 3136 (the latter close to 20 plants of *Hypochaeris glabra*), Tony Mundell 28 Jul 2012.

Compiled 28 Nov 2012. Tony Mundell, 38 Conifer Close, Church Crookham, Fleet, Hampshire, GU52 6LS. Tel. 01252 614516.

This edition of Flora News was put together by Catherine Chatters and John Norton. Many thanks to everyone who contributed. If you have any comments or would like to submit articles for inclusion in a future edition of Flora News please contact:

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When submitting digital photographs, please reduce the size of each image to no larger than 2MB and please include your own name in the filename, along with description of subject and date taken, for inclusion in the caption. Please include English and scientific names of any plants, if known.

If you would like to send in your plant records, please see the Hants Plants website <http://hantsplants.org.uk> for information, including downloadable forms, or contact your relevant Vice County Recorder:

VC11: Martin Rand
Tel: 023 8036 0395
E-mail: vc11recorder@hantsplants.org.uk

VC12: Tony Mundell
Tel: 01252 614516
E-mail: vc12recorder@hantsplants.org.uk



The 'Grim Recorder' and a lot of *Crassula helmsii* on a wet day at Pennington Marshes, 23 September 2012 (see p. 7) – Clive Chatters

If you would like to join the Hampshire and Isle of Wight Wildlife Trust and become a member of the Flora Group, please contact our Membership Team on 01490 774400 or visit our website for further details: www.hwt.org.uk