



# Flora News

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

Dear Flora Group Member,

The Flora Group committee members hope that you had an enjoyable time botanising in 2011 and we look forward to seeing you at Flora Group events during 2012.

This year our Annual General Meeting (AGM) will be held on Sunday 13 May 2012 on the Longdown Estate on the eastern edge of the New Forest. As usual we are always keen to receive your suggestions for events and activities. Please raise your suggestions at the AGM or pass your ideas to any of the Committee members.

We are always keen for more people to provide contributions to Flora News on any relevant botanical topics. If you have particularly enjoyed one of the Flora Group events and would like to write a report on it for Flora News, we would be very pleased to receive it. Please send your articles, notes or reports to me at [CatherineC@hwt.org.uk](mailto:CatherineC@hwt.org.uk) (full contact details are given on the back page of this newsletter).

### Distribution of Flora News

Many thanks to everyone who has agreed to receive their copy of Flora News via e-mail. This has significantly reduced the cost of printing and distributing it. A number of people who still need to receive hard copies have indicated that they would be happy to make a financial contribution to cover the costs of printing and postage. If you would like to make a contribution, please send your donation (cheques payable to Hampshire & Isle of Wight Wildlife Trust) to Debbie Whitfield at Hampshire & Isle of Wight Wildlife Trust, Beechcroft House, Vicarage Lane, Curdridge, SO32 2DP. Please mark your envelope 'Flora News contribution'. Thank you.

*Catherine Chatters*

Flora Group Secretary

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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 'phone number is only given in case you wish to know more about the event. The leader can be expected to turn up whatever the weather (although it may then be mutually agreed to cancel the event)!

**Saturday 25 February 2012, 9am – 4pm**  
**Sunday 26 February 2012, 10am – 12.30pm**  
**Conifers Workshop and Field Meeting**  
**Leader: Martin Rand**

The aim of the weekend will be to familiarise you with the main genera of conifers introduced to Britain, and to enable you to identify the species most commonly found planted on a commercial scale or regenerating in the countryside at large.

**Saturday** will be spent at the Hillier Gardens. The morning session will be a workshop in the Education Centre (part of the main Visitor Centre) learning about basic structures and developing recognition skills. The afternoon will be spent in the gardens examining a small part of the magnificent conifer collection. Participants found searching for the labels before looking at the trees will be sent home early with a note to their parents.

Refreshments will be provided at the Education Centre. Lunch will be available from the Centre if you wish, and a menu and lunch booking form (along with fuller details of the weekend) will be sent to you once you have booked. Alternatively, bring a packed lunch.

**Sunday morning** will be spent visiting West Wood (plantation on ancient woodland site), part of the Farley Mount complex west of Winchester. Here we shall be able to examine a small but varied range of introduced species in maturity and at sapling stage.

**Prior booking (by 12<sup>th</sup> February) is essential for this meeting, numbers will be limited, and there will be a charge of £3 per person (on the Saturday) as a contribution to expenses.** Entry to the gardens, and workshop notes, are included in this charge. We are grateful to the Wildlife Trust for supporting this meeting financially.

Contact: Martin Rand [vc11recorder@hantsplants.org.uk](mailto:vc11recorder@hantsplants.org.uk) (07531 461442).

**Sunday 29 April 2012**  
**Visit to Bisterne Manor**  
**Leader: Clive Chatters**

We hope to visit the sandy grasslands and farmland of Bisterne Manor, the New Forest estate on the eastern terraces of the Avon Valley. This private estate cares for parched grasslands and seasonal ponds with an exceptionally rich flora, including Mossy Stonecrop *Crassula tillaea*, a great diversity of clovers and curiosities such as inland 'dune' communities of Sand Sedge *Carex arenaria*. Access arrangements are being finalised as this

newsletter goes to press. For details of timing and the meeting point, please contact [CliveC@hwt.org.uk](mailto:CliveC@hwt.org.uk) closer to the day.

**Sunday 13 May 2012, 10.30am**  
**Visit to the Longdown Estate**  
**Leader: Clive Chatters**

We will be walking through the extensive complex of ancient woodlands on this private estate on the eastern edge of the New Forest. The woodlands are large (about 1,000 acres) so please be willing to walk several kilometres. The history of the woods is complex with areas of former coppice as well as occasional really ancient trees. The richer areas of wood are known to support Wild Service trees *Sorbus torminalis*, together with New Forest specialities such as Narrow-leaved Lungwort *Pulmonaria longifolia*.

The Flora Group AGM will be held during the lunch break. Please bring a packed lunch. Please dress appropriately for the weather, including stout shoes or boots for walking.

Meet at the Longdown Estate office car park (SU 354 098) at 10.30am. Those with satnavs try SO40 4UH. You enter the estate at the entrance to the New Forest Wildlife Park (signposted off the A35) but go to the car park on your right (south). If you need to contact the leader on the day please ring 07770 923315.

**Saturday 26 May 2012**  
**Porton Down**  
**Leader: Tony Mundell**

For this meeting booking is essential and numbers are limited, so first-come, first-served. To book, contact Tony at [vc12recorder@hantsplants.org.uk](mailto:vc12recorder@hantsplants.org.uk) with details of full name, nationality, date of birth and car registration.

Porton Down is a huge area of pristine chalk downland, scrub and woodland that straddles both sides of the Hampshire/Wiltshire border. The flora is rich, including specialities such as Lady Orchid, Burnt Orchid, Yellow Bird's-nest and Meadow Clary. There are thousands of Juniper bushes and some scarce roses such as *Rosa agrestis* and some of its hybrids. We will take the opportunity to record every vascular plant we see, gathering data for the national BSBI Atlas update. Note that even after you have booked a place, because the meeting is on MOD land it is possible that it may have to be cancelled at short notice (in which case efforts will be made to notify you).

**Sunday 10 June 2012, 10am – 4.30pm**  
**Joint BSBI / Hampshire Flora Group Survey Meeting:**  
**Milkham, New Forest**  
**Leader: Martin Rand**

This is a tetrad that somehow escaped survey during the recording for Atlas 2000, and the vice-county database showed only 60 species recorded here (which the meeting leader was able to increase to 120 during an hour and a half in mid-November, so it's not as species-poor as it might sound!). The list includes good New Forest axiophytes such as Bog Pimpernel *Anagallis tenella*, Intermediate Water-starwort *Callitriche brutia* subsp. *hamulata*, Soft-leaved Sedge *Carex montana*, Meadow Thistle *Cirsium dissectum*,

Few-flowered Spike-rush *Eleocharis quinqueflora*, Floating Club-rush *Eleogiton fluitans*, English Eyebright *Euphrasia anglica*, Heath Pearlwort *Sagina subulata*, Saw-wort *Serratula tinctoria*, Heath Dog-violet *Viola canina* and Pale Dog-violet *Viola canina*. We can expect to find more such, as well as bumping up the overall species count.

The area includes some interesting valley-head mires as well as a large block of conifer plantation that is now being returned to grazed heathland, providing interesting damp and dry open habitats in the process.

Although the main aim of the meeting is tetrad recording, it will be less intensive than the New Forest sessions in 2011 and will provide a good opportunity for relative beginners to familiarise themselves with southern heath and bog plants, and to become better acquainted with some of the conifers that are most widely planted (and regenerating) in lowland Britain.

After the end of the formal meeting there will be a chance, for anyone who wishes, to visit the extraordinary old airfield site at Ocknell nearby, where we can try to find, amongst other things, Small Adder's-tongue *Ophioglossum azoricum* and Moonwort *Botrychium lunaria*.

A short day's meeting covering 5-6 kilometres, including some boggy and rough ground. Bring lunch, drink, stout footwear and sun protection. **Prior booking (by 18<sup>th</sup> May) is essential for this meeting.** Full meeting directions and other details for the day will be sent on receipt of booking.

Contact: Martin Rand [vc11recorder@hantsplants.org.uk](mailto:vc11recorder@hantsplants.org.uk) (07531 461442).

**Tuesday 12 June 2012, 10am – 3pm**  
**Himalayan Balsam-pulling at Bridge Farm, Brockenhurst**  
**Leader: Catherine Chatters**

The Flora Group is co-operating closely with the New Forest Non-Native Plants Project to help eradicate Himalayan Balsam from the banks of the Lymington River. Come and join forces with the Friends of Lepe Conservation Volunteers to help pull Himalayan Balsam at Bridge Farm in Brockenhurst, which is owned by one of our Flora Group members.

Meet at 10am in the yard at Bridge Farm, Lyndhurst Road, Brockenhurst, SO42 7TR (SU 304 029). The entrance to Bridge Farm can be found on the eastern side of the A337, to the south of the turning into Balmer Lawn Road. Please bring gardening gloves, a picnic lunch, plenty to drink and, if it is a sunny day, a sun hat and sun protection cream. It is advisable to wear a long-sleeved shirt and suitable footwear.

Contact: Catherine Chatters (023 8042 4205; mobile 07770 923315).

**Saturday 16 June, 9.30am – 4.30pm**  
**Sunday 17 June 2012, 10am – 4pm**  
**Sedges Workshop and Field Meeting**  
**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 spent at Blashford Lakes, where the morning and early afternoon will be spent in the Study Centre, devoted to talks and practical sessions examining a wide range of material. We shall round off the day with a walk, seeing what we can find in the Blashford Lakes reserve. Refreshments will be available at the Centre but participants should bring their own lunch.

Sunday will be a day spent on a field trip in the Wilverley and Holmsley area of the New Forest, when participants will be able to get to grips with a large number of species including New Forest rarities.

**Prior booking (by 30<sup>th</sup> April) is essential for this meeting, numbers will be limited, and there will be a charge of £3 per person (on the Saturday) as a contribution to expenses.** Workshop notes are included in this charge. We are grateful to the Wildlife Trust for supporting this meeting by making the Blashford Study Centre available.

Contact: Martin Rand [vc11recorder@hantsplants.org.uk](mailto:vc11recorder@hantsplants.org.uk) (07531 461442).

We are planning to repeat this meeting in the north of the county in 2013, but would still encourage members from the north to come to this session, because of the opportunity to see the sedge diversity of the New Forest.

**Wednesday 20 June 2012, 10am – 3pm**  
**Himalayan Balsam-pulling in vicinity of Boldre Bridge in the New Forest**  
**Leader: Ashley Basil**

Come and help another of our Flora Group members by pulling up Himalayan Balsam on her land along the banks of the Lymington River. The native vegetation along the banks of this beautiful river is being threatened by the balsam plants whose 'explosive' seed pods shoot out their seeds. The seeds can fall into the river and be carried downstream to germinate and cause problems elsewhere. Luckily the balsam plants can easily be pulled up in June before the formation of seed pods.

Meet at 10am in the field to the rear of the car park of the Red Lion pub (SO41 8NE) to the west of Boldre Bridge (at SZ 318 985). Please bring gardening gloves, a picnic lunch, plenty to drink and, if it is a sunny day, a sun hat and sun protection cream. It is advisable to wear a long-sleeved shirt and suitable footwear.

Contact: Ashley Basil (01590 676538; mobile 07971 965647).

**Wednesday 27 June 2012, 6.30pm**  
**Evening walk to look at fenny meadows and River Itchen at St Cross, Winchester**  
**Leader: Clive Chatters**

The Wildlife Trust has recently taken on the management of the farm of St Cross Hospital. Flora Group members are invited to help the Trust gain a better understanding of the important habitats at this site. The site supports chalk river and fen meadow species including Tufted Sedge *Carex elata*. Meet at the farm buildings at SU 474 273.

**Saturday 21 July 2012, 9.30am – 5.30pm**

**Sunday 22 July 2012, 2pm – 4pm**

**Ferns Workshop and Field Meeting**

**Leader: Martin Rand**

The aim of the weekend will be to help you understand the biology of ferns and their relatives, become familiar with the distinguishing features of some of the important genera, and identify a range of native ferns using keys and field guides.

Saturday morning will be spent at Blashford Lakes Study Centre, devoted to talks and practical sessions examining a range of material, using microscopes to look at sporangia and spores. On Saturday afternoon we shall move to the Wilverley area to look at species of woodland and wetland in the field. Refreshments will be available at the Centre but participants should bring their own lunch.

The Sunday afternoon session will be 'open house' at the leader's home, where it will be possible to look at a wider range of temperate fern species growing in garden conditions. Visitors will see examples of *Arachnioides*, *Asplenium*, *Athyrium*, *Cyrtomium*, *Gymnocarpium*, *Matteucia*, *Onoclea*, *Oreopteris*, *Osmunda*, *Polypodium*, *Polystichum* and many species and hybrids of *Dryopteris*. Refreshments will be available, for which a small donation to the Wildlife Trust is invited.

**Prior booking (by 31<sup>st</sup> May) is essential for this meeting. Numbers will be limited, and there will be a charge of £3 per person (on the Saturday) as a contribution to expenses.** Workshop notes are included in this charge. We are grateful to the Wildlife Trust for supporting this meeting by making the Blashford Study Centre available.

Contact: Martin Rand [vc11recorder@hantsplants.org.uk](mailto:vc11recorder@hantsplants.org.uk) (07531 461442).

**Saturday 4 Aug 2012, 10.30am – 4pm**

**Liss Forest**

**Leader: Tony Mundell**

Meet in the car-park on the north side of Forest Road at SU 781 293. We should see a good selection of uncommon heathland plants, including Coral Necklace, Dodder, Wintergreen, Heath Cudweed, Lesser Centaury, etc. but we will take the opportunity to record every plant species we see for the BSBI Atlas 2020 update. Bring a packed lunch. Contact: Tony Mundell (01252 614516).

**August 2012 (date to be confirmed)**

**Highclere Castle Park visit to look for Field Gentian *Gentianella campestris***

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. We plan to re-survey it (and look for other plants) in August. Permission from the landowner has still to be obtained, but the dates requested are Saturday 11 August or Sunday 19 August 2012. When confirmed, details will be published on the HFG website at <http://hantsplants.org.uk/>. Please pencil the dates in your diaries. Also please check with Peter Billingham (01264 736359), or Tony Mundell (01252 614516) nearer the time.

**Sunday 12 August 2012, 10.30am**

**Augurs Hill Copse**

**Leader: John Moon**

The Flora Group made a visit to this well-known site in 1992 to look for Ground Pine and Cut-leaved Germander. Since then the field has had a somewhat chequered history, having first been put in permanent grassland set-aside accompanied by occasional and rather unsatisfactory cultivation of the headland. Now, some 19 years later, a Higher Level Stewardship (HLS) cultivated margins scheme has been put in place with the keen cooperation of the Wherwell Estate and we are hopeful that the rare species will make a re-appearance. Later in the day we may move on to look at some other nearby cultivated margins. Meet at 10.30am on the Wherwell Estate at grid reference SU 384 426. Access is via a bumpy track through wood going north off B3420 with turning by some sheds at SU 379 418.

Contact: John Moon 01264 710123.

**Saturday 18 Aug 2012, 10.30am – 4pm**

**Hawley Lake and Hawley Common**

**Leader: Tony Mundell**

Meet at the car park at SU 8388 5783 at the Army Sail Training Centre at the end of a minor road going east from the A327 towards the lake. This area has a rich acid heath flora, including Marsh Clubmoss, Heath Cudweed, Bog Asphodel and sundews. Again we will record everything we see to contribute to the BSBI Atlas 2020 project. Bring a packed lunch.

Contact: Tony Mundell (01252 614516).

**Sunday 26 August 2012, 10am – 1pm**

**Marsh Gentian count at Bartley Heath**

**Leader: Peter Vaughan**

The recovery of the Marsh Gentian *Gentiana pneumonanthe* has been a major success for HIWWT at Bartley Heath. Help take part in this annual event to count and record its spread and increase in numbers, with an opportunity to see other humid heathland species at this reserve. Please note that this 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 at SU 726 533.

For further details contact Peter Vaughan (01256 764225).

**Sunday 23 September 2012, 10am – 4pm**

**Keyhaven and Pennington**

**Leader: Martin Rand**

Yes, it's a return trip to the site where we fell in love with the Goosefoot family in 2010. This year it's with the very specific aim of monitoring the lagoons where Pete Durnell has found a novel and effective way of controlling New Zealand Pigmyweed *Crassula helmsii* – by flooding it with saline water. We shall look at the plants that regenerate on these areas once the *Crassula* has been cut down to size.

Meet at Keyhaven car park, SZ 306 914. For early birds, there are a few free parking spaces in the lane across the

back of the harbour behind the car park. Otherwise, there is a fairly stiff parking charge in the car park.

Contact: Martin Rand [vc11recorder@hantsplants.org.uk](mailto:vc11recorder@hantsplants.org.uk) (07531 461442).

### WESSEX BRYOLOGY GROUP FIELD MEETINGS

Here is the Wessex Bryology Group's programme of meetings for the coming season. A key aim of the Group is to encourage those who are new to the subject to become more experienced and confident at identifying bryophytes; therefore beginners are most welcome at all of their meetings. There is no formal membership or constitution and each person goes out at his/her own risk. The only equipment needed is a hand lens (x10 or x20) and some paper packets for collecting specimens. Many of the sites visited include wet and muddy areas, so boots are advisable. Usually a packed lunch is eaten on site. All meetings start at 10.30am and finish between 3pm and 4pm.

Unless stated, there is no need to book, but in the event of snow/treacherous driving conditions please call Andrew Branson [andrew@britishwildlife.com](mailto:andrew@britishwildlife.com) (01747 838233) or Sharon Pilkington [sharon.pilkington@btinternet.com](mailto:sharon.pilkington@btinternet.com) (01373 827074 / 07801 627449) to check whether the meeting is going ahead.

#### **Sunday 19 February 2012, 10.30am** **Getting to grips with *Sphagnum* mosses** **Blashford Lakes Education Centre**

Joint workshop with Hampshire Flora Group combining a morning at the Centre looking at the basics of identifying *Sphagnum* mosses, followed by a field visit in the afternoon to a nearby site in the New Forest. Restricted to a maximum of 8–10 people. **Please book with either Sharon Pilkington or Andrew Branson** (details given above). Meet at Hampshire & Isle of Wight Wildlife Trust's Education Centre at SU 151 079.

#### **Sunday 18 March 2012, 10.30am** **Worth Matravers, Dorset** **Leaders: Bryan Edwards and Andrew Branson**

Good site for a range of coastal species including the diminutive *Acaulon triquetrum*, plus a sheltered valley with interesting epiphytes including *Leptodon smithii*. Meet at car park near Renscombe Farm at SY 963 774.

#### **Sunday 15 April 2012, 10.30am** **Priddy Mineries and Stockhill** **Leader: Sharon Pilkington**

An interesting complex of woodland, poor fen, mire, lead mine spoil, drystone walls and pools, with a wide range of species and some mine spoil. Local rarities include *Ditrichum plumbicola*, *Cephaloziella stellulifera* and *Lophozia excisa*. Meet in the large free car park at Stockhill Plantation near Priddy at ST 549 513.

## Reports of Recent Events

### Visits to Dur Hill, New Forest on 21 May and 20 August 2011

A report by Martin Rand



Flora Group members trekking back from Bisterne Common, 21 May 2011 – John Norton

These two trips, arranged jointly with the BSBI nationally, were to survey a single 2km x 2km square (tetrad) SU10V, in the south-west of the open Forest. It has a varied geology ranging from acid sands and peat to calcareous Headon Beds, and vegetation including conifer plantation, mire, ponds, heathland, grassland and enclosed farmland. Although not one of the honeypot sites of the Forest, it has a very good selection of the notable plants, and was last recorded thoroughly in the 1990s for Atlas 2000.

For each day the twenty-odd participants were organised into four parties, each working one 1km square intensively. Flora Group members predominated but there was a good representation of BSBI members from farther afield. Since many of the same people attended both days, we were able to keep a good deal of continuity in the recording, and those who proved to have the less rich areas selflessly shouldered their burden for the second outing.

For the May trip we couldn't have asked for better weather, with a cool gentle breeze moderating the warmth of the glorious sunshine. In August a violent shower of rain in the morning had us scrabbling for the waterproofs, but by lunchtime the weather turned brilliant and cloudless. There were non-botanical pleasures to distract us as well: Woodlarks sang in May, Curlews called from the bogs, Hobbies zipped overhead, and one group of us had to move on rapidly in August when we flushed a Nightjar from her nest at our feet, prompting a dramatic 'broken wing' display.

As expected, the south-eastern quarter yielded the richest rewards, with the largest extent of the limey Headon Beds. Right across the centre of the tetrad lies the remains of a 1960s conifer plantation, now being felled and returned to heathland grazing, and part of the interest of the visits was to see how this was re-establishing. Unsurprisingly, some (*continued on p. 8*)

**Species list for visits to Dur Hill, New Forest on 21 May and 20 August 2011**

<i>Achillea millefolium</i>	Yarrow
<i>Aegopodium podagraria</i>	Ground-elder
<i>Agrostis canina</i>	Velvet Bent
<i>Agrostis capillaris</i>	Common Bent
<i>Agrostis curtisii</i>	Bristle Bent
<i>Aira caryophyllea</i>	Silver Hair-grass
<i>Aira praecox</i>	Early Hair-grass
<i>Alisma plantago-aquatica</i>	Water-plantain
<i>Alopecurus geniculatus</i>	Marsh Foxtail
<i>Anagallis arvensis</i>	Scarlet Pimpernel
<i>Anagallis tenella</i>	Bog Pimpernel
<i>Anthoxanthum odoratum</i>	Sweet Vernal-grass
<i>Aphanes arvensis</i>	Parsley-piert
<i>Aphanes australis</i>	Slender Parsley-piert
<i>Apium inundatum</i>	Lesser Marshwort
<i>Apium nodiflorum</i>	Fool's-water-cress
<i>Asplenium adiantum-nigrum</i>	Black Spleenwort
<i>Asplenium ruta-muraria</i>	Wall-rue
<i>Athyrium filix-femina</i>	Lady-fern
<i>Bellis perennis</i>	Daisy
<i>Betula pendula</i>	Silver Birch
<i>Betula pubescens</i>	Downy Birch
<i>Blechnum spicant</i>	Hard-fern
<i>Briza media</i>	Quaking-grass
<i>Bromus hordeaceus</i>	Soft-brome
<i>Callitriche brutia</i>	Narrow-leaved Water-starwort
<i>Callitriche stagnalis</i>	Common Water-starwort
<i>Calluna vulgaris</i>	Heather
<i>Capsella bursa-pastoris</i>	Shepherd's-purse
<i>Cardamine flexuosa</i>	Wavy Bitter-cress
<i>Cardamine hirsuta</i>	Hairy Bitter-cress
<i>Cardamine pratensis</i>	Cuckooflower
<i>Carex binervis</i>	Green-ribbed Sedge
<i>Carex caryophyllea</i>	Spring-sedge
<i>Carex demissa</i>	Common Yellow-sedge
<i>Carex echinata</i>	Star Sedge
<i>Carex flacca</i>	Glaucous Sedge
<i>Carex hirta</i>	Hairy Sedge
<i>Carex hostiana</i>	Tawny Sedge
<i>Carex montana</i>	Soft-leaved Sedge
<i>Carex nigra</i>	Common Sedge
<i>Carex oederi</i>	Small-fruited Yellow-sedge
<i>Carex ovalis</i>	Oval Sedge
<i>Carex panicea</i>	Carnation Sedge



**Small-fruited Yellow-sedge *Carex oederi*, Dur Hill, 20 August 2011 – Gareth Knass**

<i>Carex pilulifera</i>	Pill Sedge
<i>Carex pulicaris</i>	Flea Sedge
<i>Castanea sativa</i>	Sweet Chestnut
<i>Centaureum erythraea</i>	Common Centaury
<i>Centaureum pulchellum</i>	Lesser Centaury
<i>Centunculus minima</i>	Chaffweed
<i>Cerastium diffusum</i>	Sea Mouse-ear
<i>Cerastium fontanum</i>	Common Mouse-ear
<i>Cerastium glomeratum</i>	Sticky Mouse-ear
<i>Cerastium semidecandrum</i>	Little Mouse-ear
<i>Chamaemelum nobile</i>	Chamomile
<i>Chenopodium album</i>	Fat-hen
<i>Chenopodium ficifolium</i>	Fig-leaved Goosefoot
<i>Cicendia filiformis</i>	Yellow Centaury
<i>Circaea lutetiana</i>	Enchanter's-nightshade
<i>Cirsium arvense</i>	Creeping Thistle
<i>Cirsium dissectum</i>	Meadow Thistle
<i>Cirsium palustre</i>	Marsh Thistle
<i>Cirsium vulgare</i>	Spear Thistle
<i>Conyza canadensis</i>	Canadian Fleabane
<i>Coronopus didymus</i>	Lesser Swine-cress
<i>Crassula helmsii</i>	New Zealand Pigmyweed
<i>Crataegus monogyna</i>	Hawthorn
<i>Crepis capillaris</i>	Smooth Hawk's-beard
<i>Crepis vesicaria</i>	Beaked Hawk's-beard
<i>Cryptomeria japonica</i>	Japanese Red-cedar
<i>Cuscuta epithymum</i>	Dodder
<i>Cytisus scoparius</i>	Broom
<i>Dactylis glomerata</i>	Cock's-foot
<i>Dactylorhiza incarnata</i> subsp. <i>pulchella</i>	Bog Early Marsh-orchid
<i>Dactylorhiza maculata</i>	Heath Spotted-orchid
<i>Dactylorhiza praetermissa</i>	Southern Marsh-orchid
<i>Danthonia decumbens</i>	Heath-grass
<i>Deschampsia cespitosa</i>	Tufted Hair-grass
<i>Digitalis purpurea</i>	Foxglove
<i>Drosera intermedia</i>	Oblong-leaved Sundew
<i>Drosera rotundifolia</i>	Round-leaved Sundew
<i>Dryopteris affinis</i> subsp. <i>affinis</i>	Scaly Male-fern
<i>Dryopteris carthusiana</i>	Narrow Buckler-Fern
<i>Dryopteris dilatata</i>	Broad Buckler-fern
<i>Dryopteris filix-mas</i>	Male-fern
<i>Eleocharis multicaulis</i>	Many-stalked Spike-rush
<i>Eleocharis palustris</i>	Common Spike-rush
<i>Eleogiton fluitans</i>	Floating Club-rush
<i>Epilobium ciliatum</i>	American Willowherb
<i>Epilobium obscurum</i>	Short-fruited Willowherb
<i>Epilobium palustre</i>	Marsh Willowherb
<i>Epilobium parviflorum</i>	Hoary Willowherb
<i>Epilobium tetragonum</i>	Square-stalked Willowherb
<i>Equisetum arvense</i>	Field Horsetail
<i>Equisetum fluviatile</i>	Water Horsetail
<i>Equisetum palustre</i>	Marsh Horsetail
<i>Erica cinerea</i>	Bell Heather
<i>Erica tetralix</i>	Cross-leaved Heath
<i>Eriophorum angustifolium</i>	Common Cottongrass
<i>Erophila verna</i>	Common Whitlowgrass



**Bog Early Marsh-orchid *Dactylorhiza incarnata* subsp. *pulchella*, Bisterne Common, 21 May 2011 – John Norton**

<i>Euphrasia confusa</i>	Confused Eyebright
<i>Euphrasia micrantha</i>	Slender Eyebright
<i>Euphrasia nemorosa</i>	Common Eyebright
<i>Euphrasia nemorosa x confusa</i>	
<i>Euphrasia nemorosa x micrantha</i>	
<i>Euphrasia officinalis</i> subsp. <i>anglica</i>	English Eyebright
<i>Fallopia japonica</i>	Japanese Knotweed
<i>Festuca rubra</i>	Red Fescue
<i>Filago minima</i>	Small Cudweed
<i>Fragaria vesca</i>	Wild Strawberry
<i>Frangula alnus</i>	Alder Buckthorn
<i>Galeopsis tetrahit</i> agg.	Common Hemp-nettle
<i>Galium aparine</i>	Cleavers
<i>Galium palustre</i>	Marsh-bedstraw
<i>Galium saxatile</i>	Heath Bedstraw
<i>Genista anglica</i>	Petty Whin
<i>Gentiana pneumonanthe</i>	Marsh Gentian
<i>Geranium molle</i>	Dove's-foot Crane's-bill
<i>Glyceria declinata</i>	Small Sweet-grass
<i>Glyceria fluitans</i>	Floating Sweet-grass
<i>Glyceria maxima</i>	Reed Sweet-grass
<i>Gnaphalium uliginosum</i>	Marsh Cudweed
<i>Gymnadenia borealis</i>	Heath Fragrant-orchid
<i>Hedera helix</i>	Common Ivy
<i>Hieracium sabaudum</i> agg.	A hawkweed
<i>Hieracium umbellatum</i>	Umbellate Hawkweed
<i>Holcus lanatus</i>	Yorkshire-fog
<i>Hydrocotyle vulgaris</i>	Marsh Pennywort
<i>Hypericum elodes</i>	Marsh St John's-wort
<i>Hypericum humifusum</i>	Trailing St John's-wort
<i>Hypericum pulchrum</i>	Slender St John's-wort
<i>Hypochaeris radicata</i>	Cat's-ear
<i>Ilex aquifolium</i>	Holly
<i>Isolepis setacea</i>	Bristle Club-rush
<i>Juncus acutiflorus</i>	Sharp-flowered Rush
<i>Juncus articulatus</i>	Jointed Rush
<i>Juncus bufonius</i>	Toad Rush

<i>Juncus bulbosus</i>	Bulbous Rush
<i>Juncus conglomeratus</i>	Compact Rush
<i>Juncus effusus</i>	Soft-rush
<i>Juncus effusus</i> var. <i>subglomeratus</i>	
<i>Juncus foliosus</i>	Leafy Rush
<i>Juncus squarrosus</i>	Heath Rush
<i>Juncus tenuis</i>	Slender Rush
<i>Juncus x surrejanus</i>	<i>J. acutiflorus x articulatus</i>
<i>Larix x marschlinii</i>	Hybrid Larch ( <i>L. decidua x kaempferi</i> )
<i>Lathyrus linifolius</i>	Bitter-vetch
<i>Lemna minor</i>	Common Duckweed
<i>Leontodon autumnalis</i>	Autumn Hawkbit
<i>Leontodon saxatilis</i>	Lesser Hawkbit
<i>Leucanthemum vulgare</i>	Oxeye Daisy
<i>Linum catharticum</i>	Fairy Flax
<i>Littorella uniflora</i>	Shoreweed
<i>Lolium multiflorum</i>	Italian Rye-grass
<i>Lolium perenne</i>	Perennial Rye-grass
<i>Lonicera periclymenum</i>	Honeysuckle
<i>Lotus corniculatus</i>	Common Bird's-foot-trefoil
<i>Lotus pedunculatus</i>	Greater Bird's-foot-trefoil
<i>Luzula campestris</i>	Field Wood-rush
<i>Luzula multiflora</i> subsp. <i>congesta</i>	Heath Wood-rush
<i>Luzula multiflora</i> subsp. <i>multiflora</i>	Heath Wood-rush
<i>Lycopodiella inundata</i>	Marsh Clubmoss
<i>Lycopus europaeus</i>	Gypsywort
<i>Lythrum portula</i>	Water-purslane
<i>Malva sylvestris</i>	Common Mallow
<i>Mentha aquatica</i>	Water Mint
<i>Menyanthes trifoliata</i>	Bogbean
<i>Moehringia trinervia</i>	Three-nerved Sandwort
<i>Molinia caerulea</i>	Purple Moor-grass
<i>Montia fontana</i> subsp. <i>chondrosperma</i>	Blinks
<i>Myosotis discolor</i>	Changing Forget-me-not
<i>Myosotis scorpioides</i>	Water Forget-me-not
<i>Myosotis secunda</i>	Creeping Forget-me-not
<i>Myrica gale</i>	Bog-myrtle
<i>Nardus stricta</i>	Mat-grass
<i>Narthecium ossifragum</i>	Bog Asphodel
<i>Nymphaea alba</i>	White Water-lily
<i>Oenanthe crocata</i>	Hemlock Water-dropwort
<i>Ornithopus perpusillus</i>	Bird's-foot
<i>Osmunda regalis</i>	Royal Fern
<i>Oxalis exilis</i>	Least Yellow-sorrel
<i>Pedicularis sylvatica</i>	Lousewort
<i>Persicaria hydropiper</i>	Water-pepper
<i>Persicaria maculosa</i>	Redshank
<i>Phalaris arundinacea</i>	Reed Canary-grass
<i>Phragmites australis</i>	Common Reed
<i>Phyllitis scolopendrium</i>	Hart's-tongue
<i>Pilosella officinarum</i>	Mouse-ear-hawkweed
<i>Pilularia globulifera</i>	Pillwort
<i>Pinguicula lusitanica</i>	Pale Butterwort
<i>Pinus nigra</i> subsp. <i>laricio</i>	Corsican Pine
<i>Pinus pinaster</i>	Maritime Pine
<i>Pinus sylvestris</i>	Scots Pine

<i>Plantago coronopus</i>	Buck's-horn Plantain
<i>Plantago lanceolata</i>	Ribwort Plantain
<i>Plantago major</i>	Greater Plantain
<i>Poa annua</i>	Annual Meadow-grass
<i>Poa humilis</i>	Spreading Meadow-grass
<i>Poa pratensis</i>	Smooth Meadow-grass
<i>Poa trivialis</i>	Rough Meadow-grass
<i>Polygala serpyllifolia</i>	Heath Milkwort
<i>Polygonum arenastrum</i>	Equal-leaved Knotgrass
<i>Polygonum aviculare</i>	Knotgrass
<i>Potamogeton polygonifolius</i>	Bog Pondweed
<i>Potentilla anserina</i>	Silverweed
<i>Potentilla erecta</i>	Tormentil
<i>Potentilla reptans</i>	Creeping Cinquefoil
<i>Potentilla sterilis</i>	Barren Strawberry
<i>Prunella vulgaris</i>	Selfheal
<i>Prunus spinosa</i>	Blackthorn
<i>Pteridium aquilinum</i>	Bracken
<i>Pulicaria dysenterica</i>	Common Fleabane
<i>Pulmonaria longifolia</i>	Narrow-leaved Lungwort
<i>Quercus cerris</i>	Turkey Oak
<i>Quercus ilex</i>	Evergreen Oak
<i>Quercus robur</i>	Pedunculate Oak
<i>Radiola linoides</i>	Allseed
<i>Ranunculus acris</i>	Meadow Buttercup
<i>Ranunculus bulbosus</i>	Bulbous Buttercup
<i>Ranunculus flammula</i>	Lesser Spearwort
<i>Ranunculus lanuginosus</i>	Round-leaved Crowfoot
<i>Ranunculus peltatus</i>	Pond Water-crowfoot
<i>Ranunculus repens</i>	Creeping Buttercup
<i>Rhododendron ponticum</i>	Rhododendron
<i>Rhynchospora alba</i>	White Beak-sedge
<i>Rhynchospora fusca</i>	Brown Beak-sedge
<i>Rosa canina</i>	Dog-rose
<i>Rosa micrantha</i>	Small-flowered Sweet-briar
<i>Rosa rubiginosa</i>	Sweet-briar
<i>Rubus fruticosus</i> agg.	Bramble
<i>Rubus laciniatus</i>	Cut-leaved Bramble
<i>Rumex acetosella</i>	Sheep's Sorrel
<i>Rumex conglomeratus</i>	Clustered Dock
<i>Rumex crispus</i>	Curled Dock
<i>Rumex obtusifolius</i>	Broad-leaved Dock
<i>Rumex sanguineus</i> var. <i>viridis</i>	Wood Dock
<i>Sagina apetala</i>	Annual Pearlwort
<i>Sagina procumbens</i>	Procumbent Pearlwort
<i>Sagina subulata</i>	Heath Pearlwort
<i>Salix aurita</i>	Eared Willow
<i>Salix cinerea</i> subsp. <i>oleifolia</i>	Rusty Willow
<i>Salix repens</i>	Creeping Willow
<i>Salix x reichardtii</i>	<i>S. caprea x cinerea</i>
<i>Sambucus nigra</i>	Elder
<i>Sanguisorba officinalis</i>	Great Burnet
<i>Scrophularia nodosa</i>	Common Figwort
<i>Scutellaria minor</i>	Lesser Skullcap
<i>Senecio aquaticus</i>	Marsh Ragwort
<i>Senecio jacobaea</i>	Common Ragwort
<i>Senecio vulgaris</i>	Groundsel
<i>Serratula tinctoria</i>	Saw-wort
<i>Silau silaus</i>	Pepper-saxifrage
<i>Sisymbrium officinale</i>	Hedge Mustard

<i>Solanum dulcamara</i>	Bittersweet
<i>Solanum nigrum</i>	Black Nightshade
<i>Sonchus arvensis</i>	Perennial Sow-thistle
<i>Sonchus asper</i>	Prickly Sow-thistle
<i>Sorbus aucuparia</i>	Rowan
<i>Sparganium emersum</i>	Unbranched Bur-reed
<i>Sparganium erectum</i>	Branched Bur-reed
<i>Stachys officinalis</i>	Betony
<i>Stellaria alsine</i>	Bog Stitchwort
<i>Stellaria media</i>	Common Chickweed
<i>Succisa pratensis</i>	Devil's-bit Scabious
<i>Taraxacum</i> agg.	Dandelion
<i>Taxus baccata</i>	Yew
<i>Teucrium scorodonia</i>	Wood Sage
<i>Trichophorum cespitosum</i> subsp. <i>germanicum</i>	Deergrass
<i>Trifolium dubium</i>	Lesser Trefoil
<i>Trifolium micranthum</i>	Slender Trefoil
<i>Trifolium ornithopodioides</i>	Bird's-foot Clover
<i>Trifolium pratense</i>	Red Clover
<i>Trifolium repens</i>	White Clover
<i>Trifolium subterraneum</i>	Subterranean Clover
<i>Tripleurospermum inodorum</i>	Scentless Mayweed
<i>Typha latifolia</i>	Bulrush
<i>Ulex europaeus</i>	Gorse
<i>Ulex minor</i>	Dwarf Gorse
<i>Urtica dioica</i>	Common Nettle
<i>Urtica urens</i>	Small Nettle
<i>Utricularia minor</i>	Lesser Bladderwort
<i>Veronica arvensis</i>	Wall Speedwell
<i>Veronica catenata</i>	Pink Water-speedwell
<i>Veronica chamaedrys</i>	Germander Speedwell
<i>Veronica hederifolia</i>	Ivy-leaved Speedwell
<i>Veronica officinalis</i>	Heath Speedwell
<i>Veronica scutellata</i>	Marsh Speedwell
<i>Veronica serpyllifolia</i>	Thyme-leaved Speedwell
<i>Vicia sativa</i> subsp. <i>nigra</i>	Narrow-leaved Vetch
<i>Viola lactea</i>	Pale Dog-violet
<i>Viola riviniana</i>	Common Dog-violet
<i>Vulpia bromoides</i>	Squirreltail Fescue



**Field Gentian *Gentianella campestris*, S. of Burley, 20 August 2011 – Gareth Knass**

of the richest habitat was along the Verderers' Strips that formed the old perimeter, but it was good to see also how rich sedgey flushes were developing along spring lines, and we even found a new site for Narrow-leaved Lungwort *Pulmonaria longifolia* here.

Much of the western part of the tetrad is occupied by Bisterne Common, which is not part of the Crown land of the Forest. It has some extensive valley mire, but this proved to be rather species-poor and disappointing. The whole complex has rather suffered from undergrazing in recent years, so it was good to see grazing stock back on this area. The gallant 'team North-west' ventured out into the pig-farming extremities of the tetrad, adding several nitrogen-loving weeds to the species list.

By the end of the second trip we had a list of about 300 plants (see next pages – without a few hybrids yet to have expert confirmation). There are still a few notable things that we failed to re-find from earlier surveys. If anyone feels like a challenge in the coming season, these include Lesser Water-plantain *Baldellia ranunculoides*, Bog Hair-grass *Deschampsia setacea*, Few-flowered Spike-rush *Eleocharis quinqueflora*, Slender Marsh-bedstraw *Galium constrictum*, Field Gentian *Gentianella campestris*, Bog Orchid *Hammarbya paludosa*, Yellow Bartsia *Parentucellia viscosa*, Small Water-pepper *Persicaria minor* and Black Bog-rush *Schoenus nigricans*.

After the August session everyone was encouraged to make their way back through the fine population of Marsh Gentian *Gentiana pneumonanthe*, which has flowered exceptionally well here in the last couple of years and was stunning in the bright sunshine. One party including most of those from 'out of town' was encouraged to make a short homeward detour through the next-door tetrad, where they were able to see a few of the things we had missed elsewhere, including Slender Marsh-bedstraw *Galium constrictum*, Bog Hair-grass *Deschampsia setacea* and Field Gentian *Gentianella campestris*. For those who didn't have to rush away, there was an opportunity to become one with the mellowness of the late afternoon sun in the garden of the Three Tuns at Bransgore, compare notes, and look forward to the next meeting.

## West Wight Heaths on Sunday 5 June 2011

A report by Clive Chatters

The chill summer drizzle was insufficient to dissuade our venture to Bouldnor cliff top, recently cleared of conifers and now ready to be restored to heath. The Wildlife Trust has just entered into an arrangement with the Forestry Commission to manage the land as a nature reserve.

The choppy seas meant the Yarmouth ferry slipway abounded in fragments of Eelgrass *Zostera* species, whilst the brief walk to the coastal footpath passed a field with Grass Vetchling *Lathyrus nissolia* and Corky-fruited Water Dropwort *Oenanthe pimpinelloides*. Notable, straggling through the suburban hedges, was an abundance of wild Madder *Rubia peregrina*, enjoying the mild climate of the Island's coast.

The freshly cleared ground of the cliff-top needed to be worked quite hard to detect the embryonic heathland

sward. The Pale Dog Violet *Viola lactea* was still just in flower with a great variety of putative hybrids and backcrosses. Patches of sedge, readily overlooked as young Pendulous Sedge *Carex pendula*, turned out to be the much rarer and more exacting Cyperus Sedge *Carex pseudocyperus*, with many plants well away from its typical habitat of standing or flowing water. Other heathland sedges on site included Pill Sedge *Carex pilulifera* and the smaller Common Yellow-sedge *Carex viridula* subsp. *oedocarpa*. Rather pleasingly the newly opened ground supported Dodder *Cuscuta epithimum*, parasitising Wood Sage *Teucrium scorodonia*. From the location of the plants, either the Dodder seed had been recently moved into the once dark plantation or there is a seed-bank for Dodder that can persist over decades of darkness.

The new shallow pools were visited but were bare. The historic and recently re-discovered site for Pillwort *Pilularia*



Restored heath on Bouldnor cliff top (taken in September 2011) – Natalie Rogers

*globulifera* was very overgrown and no Pillwort was seen. The Floating Club-rush *Eleogiton fluitans* was, however, still hanging on in the shade. With scrub clearance and grazing this pond should recover.

As grazing is re-introduced, the heath matures and the ponds colonise, the Bouldnor cliffs will be a fascinating place to revisit.

## Roydon Woods on Tuesday 7 June 2011

A report by Clive Chatters

This walk was an unapologetic excuse to get out and spend an evening amongst the woods and flowers of Roydon. Our walk through the Trust's largest freehold nature reserve started with a celebration of the generosity of Peter Barker-Mill who gifted the estate to the Trust. On the way down to the Lymington River we paused to speculate on the origin of lime trees in a roadside hollow. These looked like 'good' Small-leaved Lime *Tilia cordata* and were old enough not to have been planted in recent decades. Having crossed the river we entered the coppices of Newlands. The woods here are cut and the re-growth then protected from deer. Within the deer fence the vegetation is lush and diverse with a surprising abundance of seedling Wild Service-Trees *Sorbus torminalis*. The highlight was the last of the spring flowering heads of Bastard Balm *Melittis melissophyllum*.





**Bastard Balm *Melittis melissophyllum* (taken in 2010),  
seen at Roydon Woods on 7 June – Clive Chatters**

For those satisfied with vegetative material we were also able to separate out the leaves of Narrow-leaved Lungwort *Pulmonaria longifolia* from larger specimens of Devil's-bit Scabious *Succisa pratensis*. The pleasant stroll concluded with refreshments at the Filly Inn.

### **Himalayan Balsam-pulling in the New Forest during June 2011**

**A report by Catherine Chatters (New Forest Non-Native Plants Officer)**

The New Forest Non-Native Plants Project is making good progress with the battle against Himalayan Balsam *Impatiens glandulifera*, and I am very grateful for all the help given by everyone who has worked so enthusiastically. Flora Group members were invited to join volunteers along the banks of the Lymington River at Brockenhurst on 14 and 15 June 2011. Volunteers pulled Himalayan Balsam along the section of river bank at Brockenhurst during 2009 and 2010 and it was very clear that their efforts were really making a big difference. During 2011 we finished pulling the balsam at this location by lunchtime so moved downstream to a dense stand which had invaded a species-rich area of vegetation within the Wildlife Trust's Roydon Woods nature reserve. However we returned to Brockenhurst for tea, ginger beer, scones, jam and cream, kindly provided by Flora Group member Sara Cadbury. Many thanks to Sara and her husband, Tim, for their hospitality.

On 15 June 2011 Jim Whatley kindly volunteered to stand in for me and lead this task at Boldre as I had been invited to give a talk at a conference in London. Despite horrible wet, rainy conditions, everyone worked really hard yet again and I am very grateful for everyone's efforts.

Experience during 2011 has revealed the importance of (a) working systematically downstream along a river and (b) having someone to 'patrol' the river bank following volunteer tasks to pull any balsam plants that might have been missed or have germinated later in the season.

Further balsam-pulling tasks are being organised for 2012, to which Flora Group members will be most welcome. Please see the Wildlife Trust website and Events diary for full details.

### **Visit to Westover Farm on Sunday 17th July 2011**

**A report by John Moon**

The day did not start well with the group of around a dozen people assembling at Westover Farm, south of Goodworth Clatford, emerging from their cars to face heavy and penetrating drizzle. Fortunately, by the time we had moved on and reassembled at Flint Farm, an outpost of the main farm, the drizzle had almost dried up. Flint Farm was a central location for a tour of the cultivated margins, installed under an HLS scheme with the enthusiastic support of the farmer (Will Liddell) and his farm manager (Simon Turner), who now run the farm between them.

Flint Farm probably has some botanical history (but we do not know what it is) as Trevor Dines, the son of a previous farm manager, was brought up there. Anyhow, returning to 2011, as we walked off the first thing that took our eye was hundreds of Rough Poppies *Papaver hybridum* that had germinated on a newly-created bank beside the drive. Turning along the first of the cultivated margins, in a field called Gypsy Lane, we were faced with a sea of Scentless Mayweed *Tripleurospermum inodorum* amongst which there were thousands more *Papaver hybridum* and more excitingly, a good sprinkling of Henbane *Hyoscyamus niger*, whose exotic form always thrills (me at least). It was a very long headland, but the effort of walking along it was relieved by the discovery of many more interesting weeds. First there was Small Toadflax *Chaenorhinum*



**Rough Poppy *Papaver hybridum* and Henbane *Hyoscyamus niger*, Westover Farm, 17 July 2011 –  
Gareth Knass**

*minus*, then Dwarf Spurge *Euphorbia exigua* and Dense-flowered Fumitory *Fumaria densiflora* as well as both Fluellen *Kickxia* species. Then we came across one of the highlights of the day which was the sight of hundreds of Night-flowering Catchfly *Silene noctiflora* amongst the Mayweed; these recurred all along the remaining length of the headland.

Turning the corner into the next field, Dipden Bottom, the cultivated margin changed character somewhat with generally lower and less rampant vegetation. Here we found large quantities of Bugloss *Anchusa arvensis*, where its spreading horizontal growth was better suited to the sparser vegetation. Also there was our first sight of Venus' Looking-glass *Legousia hybrida*, and then some excitement at finding a cluster of plants of Catmint *Nepeta cataria*, an increasingly uncommon perennial that is very sparsely distributed in NW Hants, in the bottom of the hedge. After a brief, and not particularly comfortable, lunch break sitting in the damp hedge bottom we continued along the headland to find an isolated plant of Corn Marigold *Chrysanthemum segetum*, one of two seen during the day.

The margin of the next field, Rowbury Wood, was back into the Mayweed/Rough Poppy jungle but in some clearances there were several Long-headed Poppies *Papaver dubium*, Small-flowered Crane's-bill *Geranium pusillum* and another patch of several hundred *Silene noctiflora*. At the very top of the field, in a scruffy corner, there were a couple of plants of Fig-leaved Goosefoot *Chenopodium ficifolium*. The final rarity of the day was not on a cultivated margin,



**Catmint *Nepeta cataria* and Fine-leaved Fumitory *Fumaria parviflora* – Gareth Knass**



**Weed-rich arable headland and Night-flowering Catchfly *Silene noctiflora*, 17 July 2011 – John Norton**

but rather on a regular field edge on the way back to Flint Farm, where we found half a dozen Fine-leaved Fumitory plants *Fumaria parviflora*. Finally, in the hedge bottom almost opposite one of the fumitories was another cluster of *Nepeta cataria*.

All in all, these were an extremely flowery set of headlands – I counted 54 different annual and biennial taxa, 21 of which are on Plantlife's list of significant arable species. Aficionados of Plantlife's IAPA scoring scheme will be interested to learn that the IAPA score for this corner of the farm was 71 (and would have been 85 if we had refound a couple of species, *Papaver argemone* and *Anthemis cotula* spotted in September of the previous year by Kate Still and JM) but either figure is rated as exceptional by Plantlife and indicative of an area of national importance. I feel that the success of the HLS scheme here was in part due to the care with which a seed bed was prepared along the margins, in contrast with some other Hampshire

farms in HLS where the cultivation has just consisted of a plough or harrow been drawn along the headland every two or three years.

Anyone hoping to revisit Westover Farm should be aware that in 2012 the cultivated headlands will be in a completely different part of the farm. Hopefully the arable plant seedbanks near Flint Farm will have been replenished by the management of the last two years and it will be interesting to see what emerges elsewhere.

## Hamble Common on Sunday 31 July 2011

A report by Gareth Knass



Parsley Water-dropwort *Oenanthe lachenalii* on the River Hamble, 31 July 2011 – Gareth Knass

This trip was billed by leader Martin Rand as a good chance to (re)familiarise yourself with a wide range of plants and a search for some coastal ecotypes, but not to expect any rarities. A good number of participants turned out on a sunny day in late July at Hamble Common for a morning wander through the Common and adjacent saltmarsh, recording plants of the Lower Hamble Estuary; and then, following lunch, a walk along the beach along Southampton Water from the Hamble northwards towards Hound and Netley, looking more closely at some coastal ecotypes of common plants.

The morning walk on the Common allowed for a conference on a likely planted thin leaved Willow *Salix* sp. that was determined from a specimen taken by Martin to be Almond Leaved Willow *S. triandra*; and probably the cultivar *hoffmaniana* given the 'small, narrow, dark leaves'. On the saltmarsh of the Hamble we noted the difference in seed structure between the two Sea-spurreys present, *Spergularia media* and *S. marina*. The foreshore also held a good population of Parsley Water-dropwort *Oenanthe lachenalii*, along with other common saltmarsh species. The unusual looking Hard Grass *Parapholis strigosa* was also spotted.

On the Common itself the small amount of ericaceous vegetation was examined briefly before lunch with a small area of heathers and Dwarf Gorse *Ulex minor* surviving on the Common and coming into full flower. A large sprawling mass of Dodder *Cuscuta epithymum* proved the main attraction around lunch-time, not far from the Hamble edge foreshore car park, and rather bizarrely about 1.5-2



Part of the the Hamble foreshore with adjacent industry, 31 July 2011 – Clive Chatters

metres above the ground in a tangle of Bramble *Rubus fruticosus* and Gorse *Ulex europaeus*.

After lunch we set off along the foreshore trying to get to grips with early season *Chenopodium* and *Atriplex*. Some coastal ecotype species were pointed out by Martin, who had also helpfully provided a mini crib to the salient features we should all be looking out for. This included the robust coastal form of Curled Dock *Rumex crispus littoreus*, which I think proved the biggest 'crowd pleaser' in terms of ecotype variation!

Towards the end of our walk we noted a profusion of Ragworts *Senecio* spp. These included good quantities of the non-native Oxford Ragwort *S. squalidus* alongside Sticky Groundsel *S. viscosus*. Where these two are present the hybrid can sometimes be found, and sure enough, Martin soon had located a couple of plants of *Senecio x subnebrodensis*. Not to be outdone, our other County Recorder Tony Mundell had spotted on the far side of a large fence some rather unusual looking robust and rayed forms of Common Groundsel *S. vulgaris*.



Oxford Ragwort *Senecio squalidus* (bottom), with Sticky Groundsel *S. viscosus* (left) and *S x subnebrodensis* (above), Hamble, 31 July 2011 – Gareth Knass

The final highlight of a good day's botanising was also probably the rarest plant of the day, the scarce coastal species Slender Hare's-ear *Bupleurum tenuissimum*, spotted by Clive Chatters on our way back to the car park. Thanks to Martin Rand for organising a good day out on the south Hampshire coast.

## Visit to Thruxton on 14 August 2011

A report by Tony Mundell

There was a bit of a hiccup a week or two before this event when I found that there would be a major race-meeting using the race-track adjacent to the Earthline soil recycling area that we wished to visit. This meant that the area would be patrolled by security staff ejecting people trying to view the races for free. I decided that I could not postpone or cancel the event as our visit programme also gets advertised on the national BSBI website. That was just as well as we had members from as far away as Hertfordshire and Nottinghamshire with 14 of us in all.

It was sad to see that many of the areas that had been so rich botanically the previous year had been 'tidied-up' by using herbicides and through the sowing of grass mixtures. Nevertheless, we still found some exciting plants.

We found a couple of plants of the Purple-flowered Thorn-apple *Datura stramonium* var. *chalybaea* in addition to the usual white-flowered form. There was also some Cat-mint *Nepeta cataria* in an additional site as well as at the spot where we saw it the previous year. Plants new for the site included Greater Musk-mallow *Malva alcea*, Fine-leaved Fumitory *Fumaria parviflora* and Yellow Chamomile *Anthemis tinctoria*.

Even more exciting was finding a couple of patches of Smooth Rupturewort *Herniaria glabra*. The true identity of the latter caused much discussion as our plant seemed to have alternate leaves whereas *Herniaria* has opposite leaves. So a small piece was sent to Eric Clement who confirmed it was Smooth Rupturewort. There is a comment in 'The Vegetative Key...' that for the related *H. ciliolata* one of the pair of opposite leaves is often abortive giving the false appearance of alternate leaves, especially on the upper stems. Clearly this also applies to *H. glabra*.

Apart from a few plants of Maple-leaved Goosefoot *Chenopodium hybridum*, several of Many-seeded Goosefoot *Chenopodium polyspermum*, a few Red Goosefoot *Chenopodium rubrum* and zillions of plants of Fat-hen *Chenopodium album*, there were several plants of another weedy-looking *Chenopodium* that puzzled us, so I sent a specimen to Eric Clement. I was embarrassed to find that I should not have picked it as it was the incredibly rare Upright Goosefoot *Chenopodium urbicum*, listed as 'Critically Endangered' in the 2005 Red Data List and more recently thought to be 'Extinct in the Wild' in Britain.

After the meeting, four of us headed east towards Micheldever to look at the curious thistles originally found by John Moon at the well-known site for Ground Pine *Ajuga chamaepitys*. These might be the hybrid between Musk Thistle *C. nutans* and Welled Thistle *C. crispus*. There were many plants, including four with white flowers. A specimen has been sent to the relevant BSBI Referee but at the time of writing no response has been received. At least with the extra pairs of eyes searching we were able to increase the count of Ground Pine plants to 12.

**Cotoneasters on Portsdown Hill, 18 September – see feature article on 15.**

## Visit to Hayling Island on 24 September 2011

A report by Martin Rand

The day started near the western coast of Hayling, where we launched ourselves from the suburban surroundings of West Town along the old Hayling Billy line. Here much of the early entertainment came from identifying the non-native shrubs and trees with which this stretch of the coastal path has been planted up. One of the more interesting was a thicket of the cultivated semi-fastigate form of Black Poplar *Populus nigra* 'Plantierensis', which had been lightly galled by the aphid *Pemphigus bursarius*, that is so characteristic on this species. This stretch also seemed notable for tricky wild Roses. We were able to nail down *Rosa stylosa* x *canina* without too much trouble, but another puzzling hybrid is awaiting its send-off to the Referee.

As we approached the coast near the head of Sinah Lake we had more in the way of indigenous flora to capture our attention. There is a small former field here which is now tidally inundated, and so displays characteristic creek and upper saltmarsh communities, while its margins retain a good coastal grassland flora lost from its intensively cultivated neighbours. Here we were able to see Spiked Sedge *Carex spicata*, Dyer's Greenweed *Genista tinctoria*, Corn Parsley *Petroselinum segetum* and, on the sea-bank itself, Slender Hare's-ear *Bupleurum tenuissimum*. Also on the sea-bank were quantities of the non-native Bastard Cabbage *Rapistrum rugosum* – a species that seems to be spreading generally in southern Hampshire and is prominent in several spots on Hayling.

At lunch-time, under a threatening sky that soon dissolved into beautiful mellow afternoon sunshine, we shipped ourselves across the island to the Hampshire County Council nature reserve at Gutner. The saltmarsh communities here are amongst the best and most fully developed sequence from mudflat to high marsh in the county, diversified by natural gravelly banks, deep creeks and the remains of ancient sea-banks. Glassworts *Salicornia* have particularly good populations here and we were able to observe eight out of the nine species and hybrids recorded for Britain. The upper marsh was vivid with the reds of One-flowered Glasswort *Salicornia pusilla*, Purple Glasswort *Salicornia ramosissima* and the hybrid between them. Lower down the marsh we had not only the more widespread tetraploids Long-spiked Glasswort *Salicornia dolichostachya* and Yellow Glasswort *Salicornia fragilis*, but also the much more elusive Shiny Glasswort *Salicornia emerici*, now showing its fairly distinctive autumn colouring.

Other good things included quantities of Sea Wormwood *Artemisia maritima* on the old sea-bank that now runs at a little distance from the shore, and several hummocks at the upper limit of the marsh adorned with flowering Sea-heath *Frankenia laevis*. Trekking back across this zone just above the tidal limit, your author became very excited when he saw, a little way off, three Centaury plants that looked in habit extraordinarily like the Schedule 8 species *Centaureum tenuiflorum*. This Channel species, now apparently confined in the British Isles to just one

short stretch of Dorset coast, has been recorded once in mainland Hampshire but without extant corroboration. However closer examination showed this to be a form of the Common Centaury, *Centaureum erythraea* var. *sublitorale*. Nationally this is rather more widespread, but it has been recorded in Hampshire just twice before, on both occasions elsewhere on Hayling. Not quite so exciting, but still a good way to round off the day.

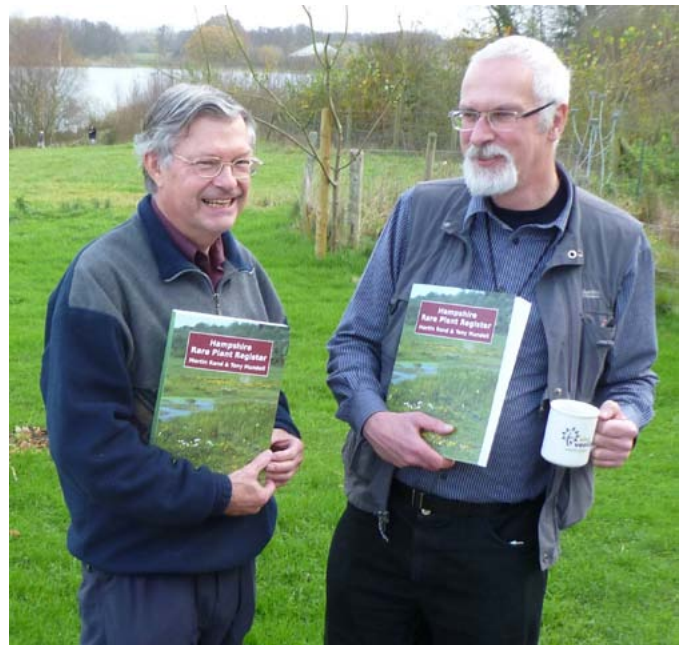
## Joint Flora Group / BSBI Exhibition Meeting at Testwood on 3 December 2011

A note by Catherine Chatters

Many thanks to Martin Rand and Tony Mundell for organising another excellent winter get-together at Testwood. The event was well attended and provided an opportunity for Flora Group members and other visitors to purchase copies of the recently published Hampshire Rare Plant Register, (see p. 21), to examine herbarium specimens, photo displays and generally catch up with each other.

After lunch we were entertained by presentations from Tony Mundell, Clive Chatters and Brian Laney and we enjoyed an interesting illustrated report on the trip to Alderney by Peter Billingham. Andrew Branson turned up to offer some books for sale at special offer prices.

Special thanks to Clare Rand and Pat Mundell for supplying us with refreshments during the day.



Some of the regular attendees of the December 2011 Flora Group meeting. Left above: Pat Mundell and Clare Rand serving refreshments; below: Nigel Johnson and Rosemary Webb in front of their display of orchid photographs; above top: Jo Morgan and Jan Blizzard; middle: Loraine Martin; bottom: VC Recorders Tony Mundell and Martin Rand with copies of their Hampshire Rare Plant Register.

## Features

### Another Trip to Alderney

A report by Peter Billingham



The visit to Alderney, in April 2010, by a group from the Hampshire Flora Group (reported in Flora News of Autumn 2010) was such a success that a repeat expedition was made in June 2011 to see what the island has to offer in the Summer. This time a party of seven consisted of Martin Rand, Ginnie Copsey, Loraine

Martin and myself from Hampshire, Heather Colls from Monmouthshire, and Felicity Woodhead and Duncan Gee from Dorset; almost international.

Alderney, the third largest of the Channel Islands, is only some 6km long by 2km at its widest. This compact area boasts in excess of 1000 plant species (including many alien ones), recorded by the resident botanist, Brian Bonnard. The season had been very dry, and the countryside was not as lush as we would have liked. Despite this the party found much to delight and interest in.

After an early flight by most of the party from Southampton, we were kindly greeted and transported to our accommodation by Brian Bonnard and Roland Gauvain, the Director of the Alderney Wildlife Trust. We then got straight down to business by walking at a steady botanical pace round the NW part of the island. We were struck by the quantities of Ivy Broomrape *Orobanche hederaceae*. There was a good array of coastal plants, including Sea Spurge *Euphorbia paralias*, Portland Spurge *E. portlandica*, Sea Beet *Beta vulgaris* subsp. *maritima* and Sea Kale *Crambe maritima*. Some of the grasses appealed: Greater Quaking-grass *Briza maxima*, Sea Couch *Elytrigia atherica* and Hare's-tail *Lagurus ovatus*. A first for this writer was the exotic Duke of Argyll's Tea-plant *Lycium barbarum*.

Day 2 was wet, but we ventured into the centre of the island after lunch. Large numbers of Pyramidal Orchids *Anacamptis pyramidalis* were found; also the naturalised Cape Cudweed *Gnaphalium undulatum*, Wild Clary *Salvia verbenaca*, Small Melilot *Melilotus indicus* and a spectacular showing of Yarrow Broomrape *Orobanche purpurea*. But the weather worsened so we retreated to St. Anne, in search of warming refreshment.

The next day was much brighter, so we walked east, mainly around the coast. Here the highlight is the Alderney Sea Lavender *Limonium normannicum*; endemic in the British Isles to Alderney and Guernsey.

Nearby was Rock Sea-lavender *L. binervosum*, which is fairly widespread on the island. There were several other notables, including Long-bracted Sedge *Carex extensa*, Four-leaved Allseed *Polycarpon tetraphyllum*, Crested Hair-grass *Koeleria macrantha*, Yellow Bartsia *Parentucellia viscosa*, Small Hare's-ear *Bupleurum baldense*, Eastern Gladiolus *Gladiolus communis* subsp. *byzantinus* and the neophyte Rough Star-thistle *Centaurea aspera*. An excellent and productive day.

Our last day was concentrated on the SW corner, which has the most spectacular cliff scenery, including Les Etacs rocks, summer home of an internationally important Gannet colony. This was a good day for 'Spurreys': Corn Spurrey *Spergula arvensis*; the very rare, but frequent in the Channel Islands, Greek Sea-Spurrey *Spergularia bocconeii* and Sand Spurrey *Spergularia rubra*. We also found a gone-over Greater Broomrape *O. rapum-genistae* (which we saw just emerging in 2010), a single Common Broomrape *O. minor* and several fruiting Spotted Rock-rose *Tuberaria guttata* (still in flower in 2010). Some established exotics were also seen: Japanese Honeysuckle *Lonicera japonica*, Pale Pink-sorrel *Oxalis incarnata*, Giant Herb-robot *Geranium maderense* and the invasive Narrow-leaved Ragwort *Senecio inaequidens*, new to the island. The day also produced some nice ferns: Lady Fern *Athyrium filix-femina*, Broad Buckler-fern *Dryopteris dilatata* and Soft Shield-fern *Polystichum setiferum*. Another good day, ending our visit on a high note.



Yarrow Broomrape *Orobancha purpurea* (left) and Alderney Sea Lavender *Limonium normannicum* (above), Alderney, June 2011 – Peter Billingham

# Get To Know Your Cotoneasters – An Exploration of Portsdown Hill in 2011

John Norton



Paulsgrove chalk quarry, June 2011 – John Norton

## Introduction

As everyone knows, Cotoneasters are a group of berry-bearing shrubs and trees in the Rosaceae, much beloved by gardeners for their ornamental uses and also (some species at least) by birds for their berries. The majority of species originate from Asia and the Far East, including the Himalaya and especially China, so it is not surprising that many have found their way back to the UK courtesy of plant hunters and explorers. It is chiefly through the actions of birds that they have spread into the wild across the UK and hence have become fodder for general botanists and alien-hunters. Indeed, several species have become more than a little widespread and have colonised semi-natural habitats, especially chalk and limestone grassland, where they have often become dominant at the expense of native plants. Five of the commonest species are now listed as 'invasive non-native plants' on the recently revised Schedule 9 of the 1981 Wildlife & Countryside Act (*C. bullatus*, *C. horizontalis*, *C. integrifolius*, *C. microphyllus* and *C. simonsii*), so it is important that botanists learn to recognise these and other widespread species and record their distribution and abundance in the wider countryside.

To help with identification one should refer to Stace's *New Flora* (3rd edition), which includes a useful introductory account, keys, photographs of leaves of a large number of species and some line drawings of foliage and fruit. If you want to get serious then buy a copy of the book published in 2009 by Hampshire-based Jeanette Fryer and her collaborator Bertil Hylmö: *Cotoneasters, A Comprehensive*

*Guide to Shrubs for Flowers, Fruit, and Foliage* (Timber Press). The authors cover about 460 taxa, the vast majority of which are full species (Cotoneasters are apomictic and do not normally hybridise). Though written primarily for horticulturalists, there are extensive keys to taxonomic groupings and species (though tricky to use) and detailed botanical notes on each species. There is also a set of very good quality colour photographs of fruiting foliage. I would also recommend trying out the 'COT' key in John Poland and Eric Clement's *Vegetative Flora*, though John has admitted that there are a few problems with it, and he is in the process of revising it. Of course, it does not cover the important identification features of flowers and fruit.

There is one native and endemic species of *Cotoneaster* in the UK, 'Wild Cotoneaster' *C. cambricus*, confined to the Great Orme in North Wales. This does not reproduce itself easily from seed or vegetatively and nearly became extinct in the 1980s. It was formerly thought to be a native population of the more widespread and long-established *C. integerrimus*, but Fryer & Hylmö, who named it, regard it as clearly distinct from that species and more similar to a Swedish species *C. kullensis*. The *New Atlas*, however, still casts some doubt on its origin.

## Reconnaissance Visits

Portsdown Hill was chosen as an ideal place to go to look for Cotoneasters as I had seen several different species there in 2000 during an extensive botanical survey and subsequently during various general botanising and



**Tree-sized *Cotoneaster salicifolius* at eastern end of Paulsgrove chalk quarry, 24 June 2011 – John Norton**

*horizontalis*, *C. salicifolius*, *C. sternianus* and at least one other indeterminate).

I returned on 24th June to complete the intended route westwards, covering the entire base of the quarry and returning via the slopes above it. I was amazed to find a full-grown tree of *C. salicifolius* (see photos on next page) at the eastern end of the quarry, and some smaller trees of *C. lacteus* at the western end, a later flowering species, still with sprays of showy, white flowers. Nearby was a species with attractive foliage, strongly tomentose below the leaves, which was later confirmed by Jeanette Fryer to be the previously recorded *C. vilmorinianus*.



***Cotoneaster lacteus*, Paulsgrove chalk quarry, 24 June 2011 – John Norton**

birdwatching trips. In particular, I knew that Cotoneasters were plentiful on the lower slopes of Paulsgrove chalk quarry, so this seemed to be a good place to base a Flora Group meeting. A check of the county MapMate database revealed that Dick Barratt (a local birdwatcher turned botanist) had collected a few species from the hill which had been identified by Jeanette Fryer and there were other (unverified) records from Phil Budd and others. Generally, however, it was clear that the quantity of data was very poor. Out of 39 taxa listed for Hampshire, the following eight had been 'recorded': *C. dammeri*, *C. horizontalis*, *C. lacteus*, *C. nanshan*, *C. rehderi*, *C. salicifolius*, *C. sternianus* and *C. vilmorinianus*.

Thus, in preparation for the Flora Group meeting, I undertook an initial exploratory visit on 19th June with Debbie Allan. Unfortunately we were too late to find many bushes still in flower as hoped – most were already in full fruit. In the time we had available we only managed to traverse the hill diagonally from the Ford Widley car park at the top, down to the foot of the slope next to part of the Paulsgrove estate, but we were still 500m east of the quarry. On the face of the hill we were beginning to think we would not find much at all, with initially only a few scattered bushes and some patches of young shoots – obviously the result of recent scrub-clearance activities by the site manager. However, at the foot of the slope in denser, long established scrub, several better-grown bushes and small trees were flourishing. We returned with a bulging bag of eight specimens of at least six different species (later identified as *C. bullatus*, *C. hjelmqvistii*, *C.*



***Cotoneaster vilmorinianus*, Paulsgrove chalk quarry, 24 June 2011 – John Norton**



A further reconnaissance visit was carried out with Eric Clement, Martin Rand and John Poland, a week prior to the Flora Group meeting, on 11th September (a warm but very windy day). We concentrated efforts on refinding my previous bushes and collection localities, which I had recorded using GPS, but discovered that because the season had now progressed by three months the number of bushes had apparently increased dramatically, now that more berries were being produced and were becoming much more obvious to the naked eye! Some of the coppiced shoots had grown up a bit more and leaf shapes had changed. Things were therefore becoming somewhat confusing. Nevertheless, we were all starting to get to grips with the group now and starting to be able to recognise the commoner species. Shortly after, I picked up my specimens from Jeanette Fryer, who had kindly had a look at them, and thankfully most of her determinations concurred with what I thought we had seen in the field.

### **The Flora Group Meeting, 18th September**

Nine people turned out for the meeting on Sunday 18th September: myself plus Eric, Martin, Tony Mundell, Peter Billingham, Ginnie Copsey, Geoffrey Field, Phil Budd and Margaret Burnhill. We parked on the west side of Fort Widley (SU 653 065) and in overcast conditions with a light wind followed my now well-acquainted path westwards across the tongue of land between Portsdown Hill Road and Southwick Hill Road (admiring Chalk Eyebright *Euphrasia pseudokernerii* on the way), then crossing the road and continuing west along the top path as far as the Southwick roundabout, before cutting down the slope to the Cotoneaster-rich scrub at the foot of the slope. This area lies between SU 639 064 and SU 646 064; east of the quarry. For anyone wishing to have a look here, there is access at each end and at points between from the Paulsgrove estate (Leominster Road and Blakemere Crescent). We sat down for some lunch half way along here and also chatted to the site manager Richard Jones, who had come over to see if we had seen much of interest. We congratulated him on the excellent management work he has carried out over the past several years - especially the scrub reduction which is paying dividends for the chalk grassland (even if making Cotoneasters hard to find in a few places!).

We eventually reached the western end of the scrub belt just before 2 o'clock, a little later than expected, but with time (or so we hoped) still to explore the quarry and the surrounding slopes.

It was at this point that the heavens opened and we were hit by a torrential downpour which hardly gave us time to don our waterproofs before soaking us to the skin. After a few minutes huddled together under a small yew tree, and beginning to freeze in the rapidly cooling conditions, we made the decision to abandon the meeting and return to our cars. Phil had been sheltering out of sight from the rest of us and returned to find everyone gone. Eventually we did all make it back, and as it was still raining and decidedly unpleasant, most decided to call it a day and leave for home. A few of us remained, however, and after the rain eased a little we decided to explore the area immediately south of Fort Southwick (around SU 628 066) and also as

far as the western edge of the quarry to see the *C. lacteus* and *C. vilmorinianus* found on the reconnaissance visits. We 'accidentally' followed a track on the south side of the fort, south of the road, which entered a fenced MOD area (the gate was open!). Inside here we witnessed what happens with lack of management – a large area of steep hillside mostly covered with Cotoneaster species. We made a few more notes and hastily left to avoid arrest.

The list of specimens recorded on 18th September is given below, following the numbering system assigned during the meeting, with a few notes (where I made any) on growth habit and features. To aid future navigation I have also numbered each locality where one or more individuals or species were found, and noted key geographical or habitat features of each. I have also included a crib table of key identification features (p. 20), which I prepared for the meeting and have updated slightly. This is based entirely on information taken from Jeanette Fryer's book and includes a few species not recorded during the meeting. There are probably a few further widespread species occurring in Hampshire that ought to be added, but by and large those included are the ones most likely to be found growing naturalised either on Portsdown, or elsewhere in the county. I hope to expand the table at some stage in the future and, in particular, update the leaf measurements based on my specimens (which in some cases seem to differ from the ranges given by the authors). Note especially that the table gives measurements of leaves of mature sterile shoots; leaves of flowering or fruiting shoots are often much smaller.

At the time of writing I have also not been able to prepare my specimens from 11th and 18th September to send to Jeanette Fryer for confirmation. Three taxa newly collected during the September visits have not been confirmed by her (*C. dielsianus*, *C. divaricatus* and *C. x watereri*), but the identification of these seems straightforward. I did not have a chance to take a comprehensive set of photographs of Cotoneasters from Portsdown, but have included a few here which were mostly taken from Portsdown in 2011.

I would point out that in the list below, some grid references have been given to 10 figures, implying 1-metre accuracy, but actual accuracy is likely to be 10-30 metres. My GPS seems to miscalculate the northing (second part of the



*Cotoneaster horizontalis*, Portsdown Hill, 18 September 2011 – John Norton

reference) and usually needs to be corrected by adding 10 to this figure. Measurements of distances have been taken from Google Earth. If anyone has any queries regarding the visit, please contact me. My list of specimens became a little confused in places and I may have made one or two errors. I promised to send some specimens to one participant, which I will do as soon as I manage to find time to send them to Jeanette Fryer first for confirmation.

**Location 1 - path between large patches of scrub, due SW of entrance road to Fort Widley car park (Mill Lane)**

1. Patch of coppice shoots (SU 65163 06490); leaves 42 x 18mm, ovate, rugose, 8 pairs of veins, tomentose below; no fruit. Probably *C. x watereri*.

**Location 2 - 10-20m E of access gate, Southwick Hill Road, just above path**

2. *C. hjelmqvistii* - one small bush 30cm high with ascending stems, by hawthorn bush (SU 65005 06522). Quite a distinctive species due to its low growth and long shoots with orbicular leaves, about 15 x 13 mm.

**Location 3 - lower slope of hill, recently cleared, lying between thick band of scrub running north-south (on west side) and large pylon (at SE corner)**

3. Erect coppice shoots (SU 64628 06462), without fruit; leaves small, ovate. Full details not recorded due to lack of fruit, but this was probably *C. dielsianus*, found to be widespread nearby.

**Location 4 - foot of slope, at S edge of thick band of scrub running north-south**

4. A bush of *C. horizontalis* growing in a small pit (SU 64556 06460).

**Location 4A - clumps of scrub at foot of slope, north side of footpath (65m W of Loc. 4)**

5. *C. simonsii* (SU 64503 06469). This widespread and common species I find rather nondescript. The leaves are smallish in size, about 22 x 13mm on this specimen, broadly elliptic with long apiculate points, three pairs of weakly impressed veins above, sparsely strigose above and below and usually quite a dark, dingy yellowish-green colour.

6. *C. sternianus* (SU 64505 06472). Although thought possibly to be *C. franchetii* during the visit, I am now convinced that all the Cotoneasters with medium-sized ovate leaves in this area are *C. sternianus*. This species characteristically has very deeply impressed, rather netted veins above, giving a strongly rugose appearance to the leaves – more so than *C. franchetii* (and also thicker than that species). Though usually larger than *C. franchetii*, the leaves seem to vary greatly in size according to the type of growth. Unfortunately, I neglected to take any photographs of *C. sternianus*, but see photos of *C. franchetii* opposite, taken at Browndown, Gosport.

**Location 5 - foot of slope, S side of path, within marginal scrub belt, c.30m east of a telegraph pole (c.35m further W from Loc. 4A)**



*Cotoneaster bullatus*, Portsdown Hill, 11 September 2011 – John Norton



*Cotoneaster franchetii*, Browndown, Gosport, 12 September 2010 – John Norton

7. *C. divaricatus* - large patch of coppice shoots within 7 x 3m area (SU 64464 06463). Easily told by the dark, almost blackish red, large, cylindrical berries, which usually occur only in twos.

**Location 6 - foot of slope, N side of path by isolated blackthorn, and dense scrub S of path**

8. *C. dielsianus*.

9. *C. bullatus*.

10. *C. dielsianus* - thin bush growing from west side of Blackthorn bush (SU 64446 06481). Berries orange-red.

Also more *C. simonsii* here on S side of path.

11. **C. bullatus** - growing out of thick scrub on S side of path near the *simonsii* (SU 64436 06470).

12. **C. sternianus** - growing from east side of the Blackthorn bush (SU 64446 06481).

**Location 7 - foot of slope; eastern end of thick band of scrub on N side of path (as well as S side)**

13. **C. sternianus** (SU 64393 06474) - frequent along here.

14. **C. dielsianus**. My specimen notes for this individual were as follows: leaves up to 19 x 14mm (less than given in my crib), above with three pairs of impressed veins, rugose, sparsely pilose, yellowish- to mid-green in colour; whitish tomentose below; berries in clusters of c.3-5 on 15mm shoots, scarlet red, globose to almost obovoid, 6-7mm, pilose with tomentose calyx. This and all the other specimens provisionally identified as *C. dielsianus* had 4 outlets in the berry, as stated in Fryer & Hylmö (see crib).

**Location 8 - N side of path, gap in band of scrub**

A tree-sized **C. bullatus** here along with more **C. sternianus**. Between locations 7 and 8 a couple of young shoots of **C. salicifolius** were seen, but not examined by everyone - we were hoping to get to the mature trees of this species at the quarry, further to the west, but did not make it (see below).

**Location 9 - underneath small Yew tree, just east of main path access from Paulsgrove (and nearby scrub)**

15. Specimen taken about 40m E of the Yew tree, up the slope a little (SU 64039 06502) - **C. dielsianus**.

16. Regrowth shoots a few years old with large, ovate leaves, whitish below, growing under the Yew at SU 64002 06484 - probably **C. lacteus**, but may be atypical due to past cutting.

17. A bush with fairly small, yellowish green ovate leaves (under the Yew at SU 64002 06484). I think this is probably **C. vilmorinianus** (which also occurs at the W end of the quarry and at Fort Southwick), but the leaf colour seems wrong and my specimen needs confirmation.

Also here another bush of **C. hjelmqvistii** nearby (N side of the path).

**Location 10 - E end of Paulsgrove Quarry [not visited during meeting]**

**C. salicifolius** - large, mature tree with spreading, drooping branches; and another smaller one nearby (SU 63878 06548).

**Location 11 - Paulsgrove Quarry, E of pond on elevated section towards west end [not visited during meeting]**

**C. lacteus** - two small trees at SU 63441 06621. Photographed in full flower in June.

**Fort Southwick (south side)**

18. **C. vilmorinianus** - one or maybe more bushes at foot of slope by roadway (SU 62807 06659).

The slope itself with some bare chalk exposed, but mainly covered by dense **C. horizontalis** and frequent **C. hjelmqvistii**.

19. **C. lacteus**. Regrowth shoots mid-way down the main slope, next to a pathway (SU 62728 06656).

**Location 12 - far W end of Paulsgrove Quarry next to path descending from side of hill**

20. **C. vilmorinianus** - 3 bushes growing to about 1.5m tall in scrub next to main path into quarry (SU 63183 06695). These have leaves similar to *C. franchetii*, being fairly thin in texture, a slightly greyish green above, with moderately impressed veins, and silvery-white tomentose below; but are distinctly smaller in size (20-26 x 11-19 mm as opposed to 25-37 x 13-19 mm – see crib). The orange-red fruits have distinctive erect to semi-spreading calyx lobes, whereas most others mentioned here have flattened to impressed calyx lobes.

In total we recorded the following 11 taxa, of which 6 (starred) had not previously been recorded or identified from Portsdown Hill before: **C. bullatus\***, **C. dielsianus\***, **C. divaricatus\***, **C. hjelmqvistii\***, **C. horizontalis**, **C. lacteus**, **C. salicifolius**, **C. simonsii\***, **C. sternianus**, **C. vilmorinianus**, **C. x watereri\***.

Of those previously reported (see Introduction), we did not find *C. dammeri*, *C. nanshan* or *C. rehderi*. Of these, *C. dammeri* was determined by Jeanette Fryer, *C. nanshan* has orbicular leaves, very similar to *C. hjelmqvistii* and may be recorded in error for that species. *C. rehderi* is very similar to *C. bullatus*, and may also have been recorded in error (originally I keyed out the Portsdown plants as *C. rehderi*).

### Conclusions

In terms of distribution and abundance, the pattern of most of these species is that they are locally frequent in small areas, presumably because berries are spread around by birds and small mammals over quite short distances. The origin of most of the species recorded is more than likely to have been from gardens of the neighbouring Paulsgrove estate. It is also possible that some areas of scrub and trees are used by birds for roosting, when they would be likely to deposit seeds from further afield.

Open areas of chalk on Portsdown Hill are being colonised by the strongly invasive low-growing species *C. horizontalis*, but also by *C. hjelmqvistii*. These species probably respond well to initial scrub management, which creates disturbed areas with bare ground; so regular management and grazing is probably essential to keep the species in check. The more robust, taller-growing species seem to be able to grow up amongst other chalk shrubs, but at present do not appear to be too rampant.

Only a small proportion of Portsdown Hill was looked at in 2011 so it is likely that several other species could be present. If I have time I may visit other parts of the hill in 2012, so if anyone is especially keen on coming along, please contact me.

John Norton ([john@jnecology.com](mailto:john@jnecology.com))

## Cotoneaster Crib

Arranged in increasing order of leaf length.

Descriptions taken from Fryer & Hylmö (2009) *Cotoneasters: A comprehensive guide to shrubs for flowers, fruit, and foliage*. Timber Press.

Taxon / Series	Book page / plate	Habit, height	Leaf type, shape (on sterile shoots)	Leaf size (mm)	Leaf above	Leaf below	Fruit shape, colour, size (mm)	Nutlets
<b>horizontalis</b> Horizontalis	179/105	Shrub, 0.5-1m	decid., subcor., suborbicular, orb. or broadly obov.	5-12 x 5-9	dark green, shiny, glab., 2-4 veins	sparsely long haired strigose	subglobose, 5-6, orange-red, shiny, subglab.	(2)3
<b>hjelmqvistii</b> Horizontalis	179/104	Shrub, 0.5-1m	decid., chart., orbicular or broadly obov.	13-25 x 10-25	vivid light green, shiny, glab., 3-4(5) veins lightly impr.	yellowish pilose-strigose	globose to obov., 8, orange-red, glab.	2(3)
<b>dammeri</b> Radicantes	136/71	Shrub, carpeting to 0.2m	evergreen, cor., elliptic, obov.,	15-40 x 7-21	rugose, light to mid green, v. shiny, 5-8 veins deeply impr.	grey-green, reticulate, initially villous	globose, 6-7, red, shiny, glab.	(4)5
<b>vilmorinianus</b> Franchetioides	245/157	Shrub, 2-3	evergreen, cor., broadly elliptic or ovate	20-26 x 11-19	slightly rugose, grey-green, slightly shiny, pilose, 3-4 veins impr.	whitish-tomentose	depr.-globose or obov., 8-9, cardinal red, shiny, pilose	2(3)
<b>divaricatus</b> Horizontalis	178/103	Shrub, 1.5-2m	decid., chart., broadly elliptic or suborb.	10-30 x 7-19	dark green, shiny, initially sparsely strigose, 3-4 veins, lightly impr.	initially strigose	cylindrical, 10-11, dark red to ruby, shiny, sparsely pilose	(1)2(3)
<b>simonsii</b> Distichi	166/-	Shrub, 3-4m	decid., chart. or subcor., broadly elliptic or suborbicular	19-33 x 13-24	mid to dark green, shiny, sparsely strigose, 4-5 veins	light green, initially strigose	cylindrical or obov., 10-12, bright orange to orange-red, shiny, glab.	[2]3(4) [5]
<b>dieisianus</b> Dieisiani	257/172	Shrub, 2-4m	decid., cor. or subcor., ovate or broadly ovate	21-26 x 11-26	slightly rugose, grey-green, shiny, pilose, 2-3 veins lightly impr.	greyish tomentose	globose, depressed-glob. or obov., 6-9, rich red, slightly shiny, pilose	(3)4(5)
<b>franchetii</b> Franchetioides	242/153	Shrub, 2-3m	evergreen, widely spaced, cor., ovate or elliptic	25-37 x 13-19	slightly rugose, grey-green, slightly shiny, pilose, 4-5 veins impr.	silvery tomentose	obov., 8-10, orange-red, shiny, sparsely pilose	(2)3
<b>sternianus</b> Sterniani	254/168	Shrub, 3-4m	evergreen, cor., elliptic to broadly ovate	37-49 x 20-28	very rugose, dark green, slightly shiny, pilose, 4-5 veins deeply impr.	whitish tomentose (tinged yellow? - JN)	globose or depressed-globose, 9-10, orange-red, pilose	(2)3-4(5)
<b>bullatus</b> Bullati	222/132	Shrub, 3-5m	decid., subcor., elliptic or ovate	55-90 x 26-46	bullate, dark green, shiny, 6-9 veins impr.	villous	globose or obov., 7-8, rich red to red, slightly shiny, calyx lobes depressed, glab.	[4]5
<b>salicifolius</b> Salicifolii	43/8	Shrub or small tree, 6-8m	evergreen, cor.,	40-90 x 13-23	rugose, dark green, shiny, initially sparsely pilose, 7-12 veins deeply impr.	greyish green, initially densely villous	globose, 5-7, bright red with hint of crimson, sparsely pilose	2(3) [4-5]
<b>lacteus</b> Pannosi	50/13	Shrub or small tree, 4-8m	evergreen, cor., obov. or broadly elliptic	42-120 x 20-60	slightly rugose, dark green, dull, initially sparsely pilose, 7-9 veins deeply impr.	yellowish tomentose-villous	globose, 6-7, crimson, sparsely villous	2
<b>x watereri</b> Frigidi (hybrids between <i>frigidus</i> and <i>salicifolius</i> )	60/-	Large shrub or small tree	dull green, slightly rugose	70-100 x 25-50 ('John Waterer')	similar to <i>frigidus</i>	initially villous	heavy cropping red or orange-red fruit	usually 2
<b>reheri</b> Bullati	229/142	Shrub, 2-5m	decid., subcor., elliptic or obov.	70-210 x 45-90	strongly bullate, mid-green, shiny, initially sparsely pilose, 8-11 veins deeply impr.	light green, initially yellowish strigose	globose or depressed-globose, 8-11, cardinal red, shiny, calyx lobes flat, glab.	4-5
<b>frigidus</b> Frigidi	57/22	Tree, 15-18m	decid., chart. or subcor., elliptic, obov. or lanc.	105-177 x 37-56	dark green, slightly shiny, glab., 8-12 veins lightly impr.	greyish-green, tomentose-villous	globose, 4-7, red, shiny, sparsely villous, calyx lobes depressed, densely villous	2(3)

**Abbreviations:** chart. - chartaceous (papery, i.e. not coriaceous or evergreen), cor. - coriaceous, decid. - deciduous, glab. - glabrous, glab. - glabrescent (becoming glabrous), impr. - impressed, lanc. - lanceolate, obov. - obovate (leaf) /obovoid (fruit), subcor. - subcoriaceous. Version 2, John Norton 19/12/11.

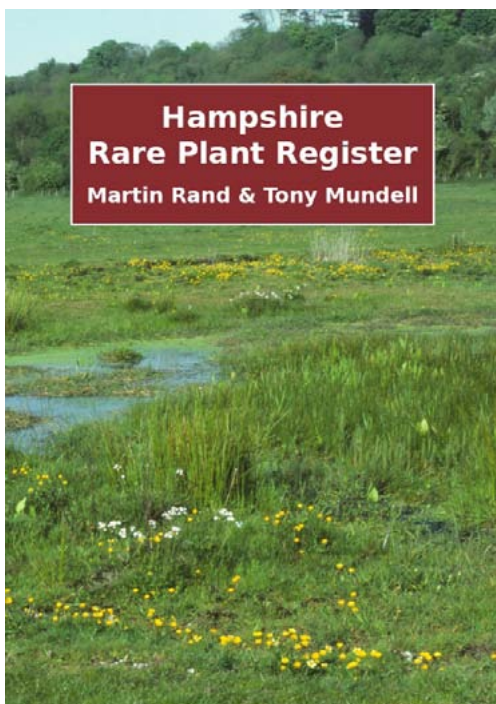
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## VC11 Records

Compiled by Martin Rand

As usual, there are some 2011 records that didn't make it into this compilation, and I will include them in the next. But if you sent me data much earlier in the year and something isn't here that you might have expected, please get in touch. It may have fallen victim to my e-mail débâcle. Note that some records are provisional or tentative – this is to encourage further investigation, but please check the commentary before using or redistributing the records uncritically.

I am sometimes made all too aware that there are many places on 'my patch' that I know little or nothing about, but the interesting records from the recent HBIC survey of Hazleton Common at Horndean revealed an entire Local Nature Reserve that I didn't even know existed! I shall be down there in 2012 to purge my shame. Heathland and mire are a scarce resort in south-east Hampshire, so I look forward to the visit.

We are used to seeing coastal plants turning up along our well-salted trunk routes these days, but Ian Ralph's record of Yellow Horned-poppy *Glaucium flavum* in the middle of the A27 is surely one of the more bizarre. Still, it's worth remembering that many species we tend to regard as exclusively coastal in a natural state in Britain in fact occur quite widely on the alluvium of major inland river systems on the Continent. This is the case with this species and with Marsh-mallow *Althaea officinalis*, for instance. Meanwhile Sea Stork's-bill *Erodium maritimum*, for which another new site is reported below, has yet to be found on the coast in Hampshire!

The most significant finds of native and archaeophyte plants are shown in **blue text**. 'Hampshire Notable' species are marked with a ♣, except where all records given are likely to prove casual or deliberate introductions. Candidates for the Notables list are shown in square brackets [♣]. A **tetrad** is a 2km x 2km square – the basic distribution mapping unit of the 1996 *Flora of Hampshire*.

Please send records to me at [vc11recorder@hantsplants.org.uk](mailto:vc11recorder@hantsplants.org.uk) for the next issue by mid-June 2012. Full details are given on the back page.

**Recorder and determiner abbreviations:** AEB = Alison Bolton; ARGM = Tony Mundell; BGo = Barry Goater; DC = David Caals; DHub = David Hubble; DJMcC = David McCosh; DL = David Leadbetter; DRA = Debbie Allan; DTr = Dennis Trunecka; EAP = Ted Pratt; EJC = Eric Clement; FAW = Felicity Woodhead; GCo = Ginnie Copsey; GHo = George Hounsome; GDF = Geoffrey Field; GTh = Gill Thornton; ILR = Ian Ralphs; JAN = John Norton; JBI = Jan Blizard; JClo = John Cloyne; JGo = Jane Goater; JMill = Joel Miller; MBer = Matthew Berry; MESm = Mike Smith; MPo = Mike Porter; MR = Martin Rand; MSpe = Mark Spencer; NAS = Neil Sanderson; PAB = Phil Budd; PGS = Paul Stapleton; PJW = Phil Wilson; PM = Peter Marston; RCR = Clare Rand; RMW = Robin Walls; RPR = Richard Reeves; SCu = Simon Currie.

**Also:** BSBI = Botanical Society of the British Isles national meeting; BPS = British Pteridological Society meeting;

HFG = Hampshire Flora Group field meeting; HREC = BSBI Hampshire survey / recording party; NFSG = New Forest Study Group. The leader is shown in square brackets for each of these, where known.

*Aesculus indica* (Indian Horse-chestnut): Winchester, SU480 282; 19 Apr 2011; PM. Seven small self-sown saplings (tallest 14 centimetres) among nettles around large planted tree north of Garnier Road at SU4804 2821. **1st for SU42**

*Agrostemma githago* (Corncockle): Shore Road, Warsash, SU4904 0612; 06 Jul 2010; ILR. Hampshire Habitat Survey Partnership Project 2010. **1st for SU40**

*Agrostis curtisii* (Bristle Bent): Holly Bank, SU7410 0803, SU7413 0810; 16 Sep 2011; NAS. By path in recently cleared area in former pasture woodland/heath. **New tetrad**

*Ailanthus altissima* (Tree-of-heaven): Newlease Coppice, SU684 083; 11 May 2010; Hurst Wood, Havant, SU69350958; 28 May 2010; JMill. Rare. Hampshire Habitat Survey Partnership Project 2010. **1st for SU60**

*Alcea rosea* (Hollyhock): Shore Road, Warsash, SU4904 0612; 06 Jul 2010; ILR. Hampshire Habitat Survey Partnership Project 2010. **1st for SU40**

*Allium roseum* (Rosy Garlic): Tip's Copse, Stubbington, SU558 032; 24 May 2011; PAB. In south of wood. **1st for SU50**

*Allium subhirsutum* (Hairy Garlic): Tip's Copse, Stubbington, SU557 031; 24 May 2011; PAB. In far south of wood. **1st for SU50**

*Allium triquetrum* (Three-cornered Garlic): Upham, SU532 204; 30 Apr 2011; PM. Small clump at base of flint wall beside road at SU5327 2040. **1st for SU52**

*Alnus cordata* (Italian Alder): Roke Lane, Bishops Waltham, SU545 185; 02 Aug 2011; MR & RCR. **1st for SU51**

*Alnus incana* (Grey Alder): Hayling Island, disused railway line, SZ7099; 24 Sep 2011; HFG[MR]. **1st for SZ79**

The Warren, Havant, SU705 093; 11 May 2010; JMill. Rare. Hampshire Habitat Survey Partnership Project 2010. **1st for SU70**

*Althaea officinalis* (Marsh-mallow): Kitnocks Hill, Curdridge, SU538 135; 2010; GDF. Good colony on rubble (mounds of earth, cement and chalk waste) on farm land off A334, S side opposite Lake House. **New tetrad**

*Amaranthus caudatus* (Love-lies-bleeding): Shawford North - on R. Itchen, SU4725; 17 Sep 2011; PAB. 2 individuals. At SU477 257. **1st for SU42**

*Anchusa officinalis* (Alkanet): Buttsash Wood, SU425 064; 11 May 2010; ILR. Rare. Hampshire Habitat Survey Partnership Project 2010. **1st for SU40**

*Anemone blanda* (Balkan Anemone): Oakwood Road, Chandlers Ford, SU437 218; 16 Mar 2011; MR. In grass verge. **1st for SU42**

☀ *Anthemis arvensis* (Corn Chamomile): West of Warnford, SU5923; 27 Aug 2011; BGo. Specimen microscoped at home. Aromatic, receptacular scales, ribbed achenes. **New tetrad**

*Arenaria montana* (Mountain Sandwort): Kings Park, SZ113 925; 23 Feb 2010; RMW. Rare. **1st for SZ19**

*Asparagus officinalis* (Asparagus): Stoke, Hayling Island, SU715 025; 07 Jun 2010; PM. 1 individual. On west side of Hayling Billy Line. **1st for SU70**

*Aucuba japonica* (Spotted-laurel): Watley Lane, Sparsholt, SU437 313; 01 Feb 2011; BGo & JGo. 1 individual. Plough Inn car park, east side. **1st for SU43**

Tip's Copse, Stubbington, SU558 032; 24 May 2011; PAB. 3 individuals. In south of wood. **1st for SU50**

*Berberis darwinii* (Darwin's Barberry): Radar Way, Christchurch - north, SZ186 934; 24 Jul 2011; PAB. **1st for SZ19**

*Berberis julianae* (Chinese Barberry): North Baddesley Common, SU389 218; 21 Sep 2011; MR, ARGM & GCo. **1st for SU32**

*Betula x aurata* (B. pendula x pubescens): Mude Valley - north, SZ1893; 03 May 2011; PAB. **1st for SZ19**

Tip's Copse, Stubbington, SU558 033; 24 May 2011; PAB. Warsash Common - compartment 4, SU502 058; 21 Jun 2011; PAB. **1st for SU50**

*Bromus hordeaceus* subsp. *molliformis* (Soft Brome form): W of Horton Heath, SU4817; 20 Apr 2011; MR, EJC & GCo. Appears to be a common constituent of several grass leys in the area, with subsp. *hordeaceus*. **1st for vice-county since 1941**

☀ *Bromus racemosus* (Smooth Brome): Browndown Common, NE, SZ584 998, SZ584 999; 07 Jun 2011; DRA & JAN. Frequent. Spec. taken by JAN. **1st for SZ59**

☀ *Bromus secalinus* (Rye Brome): Bere Farm area, SU592 091; 03 Aug 2011; HREC[MR]. Rare. Margin of wheat field. **1st for SU50**

☀ *Bupleurum tenuissimum* (Slender Hare's-ear): Hamble NW of Oil Terminal, SU472 066; 31 Jul 2011; HFG[MR]. Locally frequent. Two 0.5m patches of robust plants at SU4721 0668 on stabilised / vegetated shingle. **New tetrad**

*Buxus sempervirens* (Box): Tumulus Wood, SU3021 1553; 15 Jun 2010; ILR. Hampshire Habitat Survey Partnership Project 2010. **1st for SU31 since 1950**

☀ *Callitriche brutia* subsp. *hamulata* (Intermediate Water-starwort): Milkham, SU2109; 19 Nov 2011; MR. **New tetrad**

☀ *Callitriche platycarpa* (Various-leaved Water-starwort): Brune Lane / River Alver, SU57 8017; 14 Aug 2011; DRA & JAN. SU 5789 0177, in the river, on mud at side, N side of bridge. S of Frater / Gunners Way area, SU599 024; 05 Oct 2010; DRA & JAN. SU 5995 0246, field west of Gunners Way, towards west end of field, Locally abundant in wet ditch. **1st for SU50 since 1978**  
Farlington Marshes, SU681 042; 15 Apr 2011; JAN. Locally frequent. In small, cattle poached pond at SU6816 0423. Appears to be this species, but no fruit present. **1st for SU60 since 1978**

*Calystegia x howittiorum* (*C. pulchra x silvatica*): Forton Recreation ground E, SU604 007; 05 Jun 2011; DRA & JAN. 3 individuals. SU 6043 0070, & at 604006. At least 3 plants. All with fls pink & white striped on both sides, & generally v. sparse hairs on lf sinus, & shortly-winged pedicels, but fls & lvs variable in sinus, size, hairiness, etc. **1st for SU60**

*Campanula latifolia* (Giant Bellflower): Winchester, SU479 283; 29 Jun 2011; PM. 1 individual. On bank of river at Ridding Meads at SU4798 2835. **1st for SU42**

*Campanula portenschlagiana* (Adria Bellflower): Sparsholt, SU4331; 16 May 2011; BGo & JGo. On wall in village. Dean, nr Winchester, SU4431; 02 Jun 2011; BGo & JGo. On walls in Dean village. **1st for SU43**

*Campanula poscharskyana* (Trailing Bellflower): Olivers Battery, SU452 269; 03 Jun 2011; MR. **1st for SU42**. Dean, nr Winchester, SU4431; 02 Jun 2011; BGo & JGo. On walls in Dean village. **1st for SU43**

Tip's Copse, Stubbington, SU557 031; 24 May 2011; PAB. In far south of wood. **1st for SU50**

*Cannabis sativa* (Hemp): Cherque Way, SU571 012; 24 Aug 2011; DC. 4 individuals. **1st for SU50**

☀ *Carex distans* (Distant Sedge): Above Ditchend Bottom, SU190 148; 25 May 2011; HREC[MR] found MBER & PGS, conf. MPO. Rare. Margin of Gorse scrub on side of damp track on heathland, SU1902 1487. **New tetrad**.

This highly uncharacteristic habitat and geographical location lends credence to a report a few years ago by David Wood and Mark Woods from elsewhere in the north of the Forest, which MR discounted at the time as there was no voucher and he was

unable to refind it on the ground. It should be looked for elsewhere on the Forest; it could be overlooked as either small *C. binervis* or even possibly *C. hostiana*.

☀ *Carex lepidocarpa* (Long-stalked Yellow-sedge): Mottisfont Abbey estate, SU328 269; 04 Jun 2011; HFG[MR]. Meadow W of Duck Ground, SU3288 2692, around and near dug pond. **?1st for SU32**

☀ *Carex oederi* (Small-fruited Yellow-sedge): N of Dur Hill Inclosure, SU188 019; 20 Aug 2011; BSBI[JAN]. At least 2 plants, possibly LF, since most vegetative only. Dur Hill Down, SU194 006; 20 Aug 2011; BSBI[ARGM]. At SU1948 0069. **1st for SU10**

*Carex pallescens* (Pale Sedge): Stanswood Copse, SZ462 998; 28 Jun 2010; ILR. Rare. Hampshire Habitat Survey Partnership Project 2010. **1st for SZ49**

[☀] *Carex pseudocyperus* (Cyperus Sedge): Sparsholt College Lake, SU423 326; 20 Jun 2011; BGo. One small clump, SU4239 3264. **1st for SU43 since 1884**

*Carex riparia* (Greater Pond-sedge): Bournemouth, Stour Barn upstream, SZ0932 9601; 14 Jun 2010; RMW. **1st for SZ09**

*Carex spicata* (Spiked Sedge): Middle Chine, Bournemouth, SZ077 903; 01 Jun 2010; EAP. 1 individual. Behind beach huts, SZ0778 9037. **1st for SZ09**

☀ *Carex vesicaria* (Bladder-sedge): Fishpond Wood, SU284 290; 06 Jul 2010; ILR. Rare. Hampshire Habitat Survey Partnership Project 2010. **1st for SU22**

*Carpinus betulus* (Hornbeam): Rockbourne Area, SU1020; 11 Aug 2011; BGo & JGo. In hedgerow. **1st for SU12 in VC11**

☀ *Centaurea cyanus* (Cornflower): Rumbridge, Totton, SU359 128; 2010; GDF. 9 v small plants (at least) scattered in unmown area N side of main road towards Southampton, presumably a remnant of wild flower seeding - otherwise nothing special in the longish grass. **1st for SU31 since 1930**

Exton, SU613 210; 07 Jun 2011; PM. Several at edge of meadow with several Common Poppies and masses of Ox-eye Daisies. **1st for SU62**

Holding Farm to Rabbit Copse, SU5626; 03 Sep 2011; BGo & JGo. One small plant in Phleum pratense crop, SU5687 2649. Holding Farm to Rabbit Copse, SU5626; 05 Sep 2011; BGo. In sown wildflower mix, SU563 260. **New tetrad**

Beauworth, Hamilton Farm area, SU5625; 05 Sep 2011; BGo. In set aside sown with wildflower mix, SU563 259. **New tetrad**

*Centranthus ruber* (Red Valerian): Hinton Ampner village, SU5927; 29 Jul 2011; BGo & JGo. Kilmeston, east from village, SU5926; 29 Jul 2011; BGo & JGo. Owslebury, SU5123; 29 Sep 2011; BGo & JGo. **1st for SU52**

☀ *Chenopodium glaucum* (Oak-leaved Goosefoot): Boorley Green, SU506 139; 2010; GDF. One plant in road up against pavement, NW side of Woodhouse Lane. **1st for SU51**

*Choisya ternata* (Mexican Orange): Radar Way, Christchurch - north, SZ186 934; 24 Jul 2011; PAB. **New vice-county record**

*Cicerbita macrophylla* (Common Blue-sow-thistle): Durley Street, SU522 173; 2010; GDF. Roadside outside houses, SW side. **1st for SU51.**

Beauworth district, SU5726; 02 Sep 2011; BGo. Beauworth village. **1st for SU52**

*Cirsium acaule* (Dwarf Thistle): Privett Road, SZ599 996; 15 Jul 2011; DRA & JAN. SZ 5993 9961, lawn on W side of garage forecourt at front of Fire Station, 23 basal rosettes with only 4 of those in flower. **1st for SZ59**

*Conyza floribunda* (Bilbao's Fleabane): Holmsley old airfield, SZ207 987; 27 Jul 2011; HREC[MR]. Rare. Highcliffe Castle, SZ204 930; 21 Aug 2011; MR, RCR & MES. Locally frequent. Around Zig-zag E of Castle. **1st for SZ29**

*Conyza sumatrensis* (Guernsey Fleabane): Petersfield, SU755 228; 24 Sep 2011; PM. A few east of Heath Pond. **1st for SU72**

*Cornus alba* (White Dogwood): Nursling Industrial Estate - concrete area west of Tesco's depot, SU365 159; 14 Aug 2011; PAB. Seedlings. **1st for SU31**

Horsebridge Mill, SU345 304; 07 Sep 2010; MR & RCR. Established from planted hedge. **1st for SU33**

North of Brooklands Farm, Bishops Waltham, SU541 167; 17 Aug 2011; PAB. 1 individual. Possibly naturalised. **1st for SU51**

*Cornus mas* (Cornelian-cherry): Whiteley Pastures - SW edge, SU531 096; 04 Mar 2011; PAB. 4 individuals. Probably planted but in wild-looking scrub. **1st for SU50**

*Cotoneaster franchetii* (Franchet's Cotoneaster): Browdown Ranges SSSI, SE, SZ585 988; 07 Sep 2010; JAN. Originally entered as *C. pannosus*, but now provisionally as *franchetii*. Specimen collected in Nov 2010 to be sent to Jeanette Fryer for proper determination. Single bush, c. 1.5m high. Growing on a ridge of stabilised, vegetated shingle, just behind the beach amongst gorse and bramble, which was partially cleared winter 2008/09 leaving the bush without competition. SZ 5851 9888. **1st for SZ59**

*Cotoneaster frigidus* (Tree Cotoneaster): Holywell area, SU5914; 10 Jul 2011; PAB. 3 individuals. By wall on south side of Walled Garden. **1st for SU51**

*Cotoneaster hjelmqvistii* (Hjelmqvist's Cotoneaster): Carey Road, Thornhill, SU462121; 26 Aug 2011; PAB. 1 individuals Self-sown. **1st for SU41.**

Tip's Copse, Stubbington, SU559 031; 07 Jul 2011; PAB. 1 individual. Birdsown at SU5594 0319. **1st for SU50**

*Cotoneaster sternianus* (Stern's Cotoneaster): Queen Elizabeth Country Park, SU718 184; 15 Jun 2011; EJC & JAN. 1 individual growing by roadside in chalk scrub, to be confirmed, SU 7184 1843. **1st for SU71**

*Crepis setosa* (Bristly Hawk's-beard): Beauworth, Hamilton Farm area, SU5625; 05 Sep 2011; BGo conf. MR. 1 individual. Edge of fodder crop with *Raphanus sativus*, *Fagopyrum*, *Phacelia*, *Chenopodium* spp, SU563257. Voucher retained. **1st for SU52**

*Crinum x powellii* (Powell's Cape-lily): Radar Way, Christchurch - north, SZ186 934; 24 Jul 2011; PAB. 1 individual. **1st for SZ19**

*Crocus nudiflorus* (Autumn Crocus): St Peter's Church, Curdridge, SU528 138; 2010; GDF. Occasional. Widely scattered single plants in churchyard. **1st for SU51**

*Crocus tommasinianus* (Early Crocus): Lyndhurst, SU307 082; 14 Feb 2011; PM. Several in Bolton's Bench cemetery. **1st for SU30**

*Crocus vernus* (Spring Crocus): Outside W edge Holmsley Inclosure, SU222 011; 26 Feb 2011; MR. 1 individual. Cast-out in Bracken heath by car park. **1st for SU20 since 1966.**

Sparsholt, Church Lane, SU432 314; 11 Mar 2011; BGo & JGo. **1st for SU43**

*Cryptomeria japonica* (Japanese Red-cedar): West Wood, NW end, SU4130; 09 Nov 2011; MR. Rare. Exposed by clearance near Roman villa site and now looking rather poorly. **1st for SU43**

☀ *Cuscuta epithymum* (Dodder): Hamble Shore, SU482 058; 31 Jul 2011; HFG[MR]. Rare. 6-7ft in the air on Gorse, SU4827 0588. **New tetrad**

*Cyclamen coum* (Eastern Sowbread): Lyndhurst, SU307 082; 14 Feb 2011; PM. One small plant in Bolton's Bench cemetery at SU3077 0821. **1st for SU30**

*Cyclamen hederifolium* (Sowbread): Kings Somborne churchyard, SU360 309; 07 Sep 2010; MR & RCR. **1st for SU33 since 1900**  
Ports Down, SU654 067; SU655 074; SU655 075; 28 Oct 2010; PM. On east and west sides of Mill Lane. **1st for SU60**  
Sinah Common, Hayling Island, SZ702 992; 25 Oct 2010; PM. Small patch with several flowers at SZ7021 9928. **1st for SZ79**

☛ *Cyperus longus* (Galingale): Lee-on-Solent Golf Course Area C, SU577 020; 13 Sep 2010; JMill. Hampshire Habitat Survey Partnership Project 2010. **1st for SU50**

New Place, SU566 134; 28 Aug 2010; GCo. **1st for SU51**

*Datura stramonium* (Thorn-apple): Morestead, SU517 267; 29 Aug 2010; GCo. **1st for SU52 since 1874**

*Dianthus barbatus* (Sweet-William): Seaford Park, SU551 020; 03 Jun 2011; PM. 4 individuals. Two with red flowers, one with magenta flowers and one with white flower buds at SU5511 0201.

**New vice-county record**

*Digitalis lutea* (Straw Foxglove): Upham, SU539 206; 2011; GDF. 4 individuals. E side of road going N from Brushmakers Arms, on bank in thick herbage behind railings. **1st for SU52**

*Dracunculus vulgaris* (Dragon Arum): Warsash Common - compartment 11b, SU504 053; 06 Apr 2011; PAB. 6 individuals. Established in area where garden waste is tipped. **1st for SU50**

☛ *Dryopteris x complexa* (D. affinis x filix-mas): Warsash Common - compartment 10a, SU504 057; 15 Aug 2011; PAB. Sterile plant on steep slope above valley to the west. **1st for SU50**

*Dryopteris x deweveri* (D. carthusiana x dilatata): Cott Street area, SU5915; 18 May 2011; PAB. In woodland at SU595 151 with both parents. **1st for SU51**

*Duchesnea indica* (Yellow-flowered Strawberry): Preshaw area, SU560 230; 15 Oct 2011; PAB. Colonies 3 x 3 metres in extent at SU5601 2303 & SU5604 2301. **1st for SU52**

*Elaeagnus pungens* (Spiny Oleaster): Radar Way, Christchurch - north, SZ186 934; 24 Jul 2011; PAB. **1st for SZ19**

*Elaeagnus x submacrophylla* (Garden Oleaster): Monks Brook, Fleming Park, SU441 190; 11 Sep 2010; EAP. Originally recorded by PAB as *E. pungens*, redetermined by EAP as *E. x submacrophylla*.

☛ *Eleocharis multicaulis* (Many-stalked Spike-rush): Hamble Common, SU4806; 31 Jul 2011; HFG[MR]. **New tetrad**

☛ *Eleogiton fluitans* (Floating Club-rush): Pond by The Slip, SU7354 0850; 16 Sep 2011; NAS. Shaded pond on the eastern edge of The Slip, dominates the base of the pond. **1st for SU70**

☛ *Epilobium lanceolatum* (Spear-leaved Willowherb): Brambridge, SU472 216; 10 Sep 2011; MR & RCR. 3 individuals. By side of footpath alongside houses, SU4727 2168. **1st for SU42**

*Epipactis helleborine* (Broad-leaved Helleborine): Mill Pond, Holbury Purlieu, SU424 042; 2011; GTh. **1st for SU40**

Gomer fen, Browndown, SZ581 994; 18 Jul 2010; HFG [JAN, DRA]. e.g. SZ 5817 9946, & 5818 9956. At least 100 plants over area of 30m or more. In bud, one plant with 7 stems. N side of fen/ditch, below Salix cinerea canopy. **1st for SZ59**

*Erigeron karvinskianus* (Mexican Fleabane): Dean, nr Winchester, SU4431; 16 Sep 2010; BGo & JGo. On garden wall in village. **1st for SU43**

*Eriophorum angustifolium* (Common Cottongrass): Hazelton Common, SU703 120; 23 Jun 2010; JMill. Hampshire Habitat Survey Partnership Project 2010. **1st for SU71**

☛ *Erodium maritimum* (Sea Stork's-bill): Abbott's Well car park, New Forest, SU1779 1282; 09 Aug 2011; PAB. 12 individuals. **1st for SU11**

*Euphorbia characias* (Mediterranean Spurge): Oliver's Battery, Winchester, SU454 270; 01 Jun 2011; PM. Large plant with two fruiting stems at SU4541 2705. **1st for SU42**

☛ *Euphrasia confusa* (Confused Eyebright): Bisterne Common, SU188 018; 20 Aug 2011; BSBI[JAN]. Rare. **New tetrad**

Pitt Down, Farley Mount, SU4129; 02 Sep 2011; MR & RCR. Part of a hugely expanded population of *Euphrasia* since resumption of grazing, including *E. nemorosa*, *E. confusa*, *E. pseudokernerii* and hybrids. **1st for SU42**

Portsdown, SU643 064; 11 Sep 2011; EJC, JAN & MR. Rare. With *E. nemorosa* and hybrids. **New tetrad**

*Euphrasia confusa x micrantha*: Yew Tree Heath, SU365 064; 15 Sep 2011; MR. Rare. C. 10 plants on small 'island' of WW2 concrete NE of car park, SU3651 0642. General habit of *confusa* but with more narrowly ascending branches, fls larger than *micrantha*, flushed purplish throughout, rather narrow bracts. *E. micrantha* occurs nearby on heath. *E. confusa* to be searched for. Needs independent confirmation. **New tetrad**

*Euphrasia nemorosa x confusa*: Pitt Down, Farley Mount, SU4129; 02 Sep 2011; MR & RCR. Part of a hugely expanded population of *Euphrasia* since resumption of grazing, including *E. nemorosa*, *E. confusa*, *E. pseudokernerii* and hybrids. **1st for SU42**

Portsdown, SU643064; 11 Sep 2011; EJC, JAN & MR. Rare. With parents. **1st for SU60**

*Euphrasia nemorosa x pseudokernerii*: Broughton Down., SU289 331; 20 Jul 2011; HREC[MR]. Occasional. E.g. at SU2893 3312. Very wide variation between parents. Abundant *E. nemorosa* and scattered *E. pseudokernerii* (or near this) present. **1st for SU23**

☛ *Euphrasia pseudokernerii* (Chalk Eyebright): Broughton Down., SU289 331; 20 Jul 2011; HREC[MR]. Occasional. E.g. at SU2896 3317. Most plants appeared to be hybridised with *E. nemorosa* but a few were very close to this, despite early flowering time. **1st for SU23 since 1969**

*Fallopia baldschuanica* (Russian-vine): Bossington, SU3330; 25 Mar 2011; MR & GCo. By bridge over Test at Bossington. Horsebridge Area, SU3430; 25 Mar 2011; MR & GCo. **1st for SU33**. Down Farm, Kilmiston, SU5825; 21 Aug 2011; BGo & JGo. Downleaze Copse area, SU5821; 28 Aug 2011; BGo & JGo. NE of Owslebury, SU5224; 29 Sep 2011; BGo & JGo. Baybridge, SU5223; 29 Sep 2011; BGo & JGo. Owslebury, SU5123; 29 Sep 2011; BGo & JGo. **1st for SU52**

*Fallopia x bohémica* (F. japonica x sachalinensis): Exeter Close, Midanbury, SU451 139; 17 Jul 2011; PAB. **1st for SU41**

West of St Cross Bridge, Winchester, SU4750 2715; 22 Sep 2011; PAB. Along 10m stretch. **1st for SU42**

☛ *Festuca rubra* subsp. *litoralis* (Red Fescue): Sandy Point, Hayling Island, SZ748 984; 28 May 2011; MR & MPo. Rare. On side of brackish dike at back of reserve, SZ74833 98470. **1st for SZ79**

*Ficus carica* (Fig): Cott Street area, SU5915; 09 Sep 2011; GCo. 1 individual. In area of garden waste dumpings behind stables. **1st for SU51**

*Forsythia x intermedia* (Forsythia): Warsash Common - Compartment 9, SU503 059; 15 Aug 2011; PAB. 1 individual. At SU5028 0591. **1st for SU50**

☛ *Fritillaria meleagris* (Fritillary): Judges Gully Meadow, Bishopstoke, SU471 203; 2011; Mrs D Mitchell (Bishopstoke). **1st for SU42** (This is a site communally managed for wildlife by the neighbouring residents, which has had 'wild flower mix' sowings in the past.)

☛ *Fumaria bastardii* var. *hibernica* (Tall Ramping-fumitory): Privett Road, Lee-on-Solent, Gosport, SZ5778 9948; 02 May 2010; MSpe. **1st for SZ59**

☛ *Fumaria bastardii* (Tall Ramping-fumitory): Stoke Lake (upper) / Little Anglesey Road, SZ603 987; 13 May 2011; DRA, JAN & EJC. SZ 6035 9878, by garden. Inflorescence elongating at maturity, fls (9)-10mm, pink, red-tipped, sepals v. small & toothed. Stoke Lake (upper) / Anglesey, SZ605 987; 13 May 2011; DRA, JAN & EJC. SZ 6052 9879, bank on N side of Little Anglesey Rd. Fls to 10mm, pink, red-tipped, elongated fruiting peduncles. **1st for SZ69**

☛ *Fumaria parviflora* (Fine-leaved Fumitory): West Tytherley, SU260 319; 05 Jul 2010; ILR. 3 plants with abundant *Fumaria*



officinalis in chalky arable margin adjacent to the western edge of Upper Hedgemoor Copse, West Tytherley. **New tetrad**

*Galanthus elwesii* (Greater Snowdrop): Lyndhurst, SU307 082; 14 Feb 2011; PM. Four clumps in Bolton's Bench cemetery at SU3077 0821. **1st for SU30**

*Galega officinalis* (Goat's-rue): Lane End Down, SU5526; 10 Sep 2011; BGo & JGo. 1 individual. N verge of road to Warnford, SU5528 2614. **1st for SU52**

☼ *Galium parisiense* (Wall Bedstraw): Blashford inside security fence of water treatment works, SU1535 0811, SU1535 0815, SU1531 0816; 10 Jun 2011; NAS. In parched grassland on sand. Blashford, fenced off area N Ellingham Lake, SU1502 0810; 15 Jun 2011; NAS. Two plants. **1st for SU10**

Highcliffe Cliffs, SZ2193; 16 Jun 2003; FAW. Abundant. Many plants on regraded sloping grassland between cliffs and sea, mainly between groynes 4-6. Highcliffe cliffs, SZ214 931; 01 Jun 2011; AEB. Supported by specimen. **1st for SZ29**

Setley, SZ302 994; Jul 2011; GHo & EJC. 6 individuals. half a dozen or so plants in very short turf at SZ3020 9947, growing mixed up with very small and flat cotoneaster. **1st for SZ39**

*Geranium endressii* (French Crane's-bill): Peregrine Wood, Mude Valley, SZ181 923; 20 Jul 2011; PAB. 2 individuals. **1st for SZ19**

*Geranium pratense* (Meadow Crane's-bill): Glebe Farm, SU1019; 11 Aug 2011; BGo & JGo. Frequent along roadside north of down Farm entrance, SU101 199. **1st for SU11 since 1962**

Bishop's Waltham, SU565 175; 28 Jun 2010; PM. 2 individuals. In meadow beside Hoe Cemetery car park. Claylands, Bishops Waltham, SU547 181; 02 Aug 2011; MR & RCR. Rare, presumed introduced. **1st for SU51 since 1955**

*Geranium sanguineum* (Bloody Crane's-bill): Leybushes Copse, SU520 219; 04 Jul 2011; PM. Small patch. **1st for SU52**

☼ *Glucium flavum* (Yellow Horned-poppy): A27, Emsworth, SU739 065; 14 Jun 2011; ILR. A large patch on the north side (east bound) of the central reservation of the A27. Approx 1 km east of the Emsworth turn off. SU7395 0652. **New tetrad**

*Glyceria maxima* (Reed Sweet-grass): Hazelton Common, SU703 120; 23 Jun 2010; JMill. Rare. Hampshire Habitat Survey Partnership Project 2010. **1st for SU71**

*Guizotia abyssinica* (Niger): Renda Road, Holbury, SU435 035; 08 Sep 2010; Keith Plumridge. **1st for SU40**

*Gunnera manicata* (Brazilian Giant-rhubarb): Allington Lane - by stream near A27 junction, SU458 152; 28 Jul 2011; DTr. 2 individuals. **1st for SU41**

☼ *Hammarbya paludosa* (Bog Orchid): Ditchend Bottom, SU187 152; 03 Jul 2011; RPR. 44 plants on seepage step (fairly well at centre) at Ditchend Bottom (SU 187 152), may well be more on this site as a fair amount of suitable habitat. **1st for tetrad since 1930**

Holmsley, SZ224 996; 17 Jul 2011; RPR. 7 individuals. **New tetrad**

Duckhole Bottom, SU256 026; 02 Jul 2011; RPR. 15 plants on boggy runnel on edge of bog SE from footbridge over Duckhole Bog (SU 256 026), not a great deal of suitable habitat elsewhere on this re-entrant. **New tetrad**

☼ *Hedera helix* subsp. *hibernica* (Atlantic Ivy): Nr Queenwood Farm, SU300 311; 08 Jan 2011; MR. Locally abundant. Appears to have been planted along the walls and boundaries of the house. **1st for SU33**

Lepe, SZ4498; 01 Jan 2011; MR. **1st for SZ49**

*Helianthus annuus* (Sunflower): Moses Dock, Pennington, SZ327 934; 07 Nov 2010; MR. 1 individual. On bank remade with hoggins. **1st for SZ39**

Cherque Way, SU571 011; 04 Sep 2010; JAN. Several plants on disturbed soil bund around small car park area, with other bird seed aliens. **1st for SU50**

*Helleborus orientalis* (Lenten-rose): Chalk quarry, Bossington, SU332 310; 25 Mar 2011; MR & GCo. Small, non-flowering plant, not thriving. Probably H. x hybridus. **1st for SU33**

*Hemerocallis fulva* (Orange Day-lily): Tip's Copse, Stubbington, SU558 032; 24 May 2011; PAB. 3 individuals. In south of wood but not flowering. **1st for SU50**

*Heuchera sanguinea* (Coralbells): Ashurst Bridge, SU344 125; 2010; GDF. Population in corner of main (A326) and side roads, NW side in grass under scrub. **New vice-county record**

☼ *Hieracium subleptostoides* (Grey-bracted Hawkweed): Nr Garnier Road, Winchester, SU482 278; 03 Jul 2011; EAP det. DJMcC. W side of the old railbank S of Garnier Road, Winchester SU4821 2780, in a population of c. 50 plants. **New tetrad**

*Hieracium trichocaulon* (Hairy-stemmed Hawkweed): Sinah Common, Hayling Island, SZ702 992; 21 Jun 2011; EAP det. DJMcC. Locally frequent. Many, SZ7018 9929 - SZ7020 9926. **1st for SZ79 since 1976**

*Hordeum distichon* (Two-rowed Barley): Holmsley old airfield, SZ207 987; 27 Jul 2011; HREC[MR]. Rare. **1st for SZ29**

*Houttuynia cordata* (Fish-plant): Leybushes Copse, SU520 219; 18 Apr 2011; PM. Two stems emerging from mound of dumped soil at SU5200 2198. **New vice-county record**

*Hypericum hircinum* (Stinking Tutsan): West Wood, NW end, SU4130; 12 Jul 2011; BGo, JGo & GCo. **1st for SU43**

*Hypericum x inodorum* (Tall Tutsan (H. androsaemum x hircinum)): Tuckton, SZ146 924; 31 Jul 2010; EAP & DL. A large stand to the E of the Stour around SZ1466 9247. **1st for SZ19**

*Ilex x altaclerensis* (I. aquifolium x perado): Hook, SU497 050; 02 Oct 2011; MR & RCR. **1st for SU40**

☼ *Illecebrum verticillatum* (Coral-necklace): Holmsley, SZ2283 9964, SZ22749955; 15 Oct 2010; MFa. c. 140 individuals. In a flush between Brownhills Inclosure and A35. **New tetrad**

*Impatiens balfourii* (Kashmir Balsam): Cawte's Copse, Holly Hill - east edge of wood, SU4976 0758; 15 Sep 2010; PAB. 30 individuals. Growing with Urtica, Pteridium & Impatiens glandulifera. **New vice-county record**

*Juglans regia* (Walnut): Holywell area, SU5914; 10 Jul 2011; PAB. A 20 metre high tree on SE edge of wood. **1st for SU51**

*Juncus bulbosus* subsp. *kochii* (Bulbous Rush): E of Dibden Bottom, SU396 069; 07 Jul 2011; HREC[MR]. Rare. By track side at SU3961 0696. **1st for SU30 since 1953**

*Juncus effusus* var. *subglomeratus* (Soft Rush): Milkham, SU2109; 19 Nov 2011; MR. **1st for SU20**

☼ *Juncus foliosus* (Leafy Rush): Lucas Castle, SU246 102; 09 Oct 2011; MR & RCR. Occasional. Poached ground by Highland Water, SU2460 1026. **New tetrad**

☼ *Juncus subnodulosus* (Blunt-flowered Rush): Meadows W of Duck Ground, Mottisfont, SU3227; 04 Jun 2011; HFG[MR]. Including parts in SU3226, SU3327. **1st for SU32 since 1983**

*Juncus tenuis* (Slender Rush): Shedfield Common, SU561 131; 03 Aug 2011; HREC[MR]. Rare. **1st for SU51**

☼ *Juncus x kern-reichgeltii* (J. conglomeratus x effusus): Browndown Common S, SZ580 994; 07 Jul 2011; DRA & JAN. SZ 58054 99452, 3 small clumps. In dappled shade of Betula, on/near bottom of the embankment. Spec's: Hb DRA & Hb JAN. **1st for SZ59**

☼ *Juncus x surrejanus* (J. acutiflorus x articulatus): Dur Hill Down, SU1900; 20 Aug 2011; BSBI[ARGM]. **1st for SU10**

*Kalmia latifolia* (Mountain-laurel): Marthill Copse - arboretum, SU450 154; 30 May 2011; PAB. 1 individual. **New vice-county record**

*Kerria japonica* (Kerria): Kilmeston, east from village, SU5926; 29 Jul 2011; BGo & JGo. On waste land in village. **1st for SU52**

*Koeleria macrantha* (Crested Hair-grass): Southampton Old Cemetery - Plot 39, SU4137 1372; 04 Jun 2011; PAB. **1st for SU41**

*Laburnum anagyroides* (Laburnum): NE of Owslebury, SU5224; 29 Sep 2011; BGo & JGo. **1st for SU52**

☀ *Lactuca virosa* (Great Lettuce): Winchester Sewage Farm, SU493 281; 2011; JClo. One plant in area C. **1st for SU42**

*Lamium maculatum* (Spotted Dead-nettle): Baybridge, SU532 238; 20 Nov 2010; PM. Covering 1 square metre beside bridleway, west of Whiteflood Farmhouse. Beauworth district 5726, SU5726; 02 Sep 2011; BGo. **1st for SU52 since 1965**

*Larix x marschlinsii* (Hybrid Larch (*L. decidua* x *kaempferi*)): Southwick Estate, Sawyer's Wood, SU6408; 08 Apr 2010; MR & GCo. **1st for SU60**

*Lathyrus nissolia* (Grass Vetchling): Mude Valley - north, SZ1893; 29 May 2011; PAB. Compartments 3c and 4a. **1st for SZ19**

*Leucanthemum x superbum* (Shasta Daisy): Upham, SU558 221; 11 Jul 2011; PM. Two clumps on roadside bank. **1st for SU52**

*Lonicera henryi* (Henry's Honeysuckle): Chilworth, SU412 183; 2010; GDF. In coniferous woodland close to footpath and the fence to nearest garden, none visible in garden. **New vice-county record**

*Lonicera nitida* (Wilson's Honeysuckle): Home Lane, Sparsholt, SU434 314; 06 Feb 2011; MR. Locally abundant. Naturalising along lane from adjacent gardens. Ham Green, SU434 306; 06 Feb 2011; MR. Naturalised in secondary woodland. Moor Court Farm, Sparsholt, SU4231; 12 Jul 2011; BGo & JGo. **1st for SU43**

*Lonicera tatarica* (Tartarian Honeysuckle): Warsash Common - Compartment 9, SU503059; 15 Aug 2011; PAB. 1 individual. At SU50280591. **1st for SU50**

*Lonicera x italica* (*L. caprifolium* x *etrusca*): Mude Valley - north, SZ1893; 03 May 2011; PAB. By path in Compartment 6b at SZ1801 9302. **1st for SZ19**

*Lupinus arboreus* (Tree Lupin): Portsdown SSSI Compartments 1-3, SU6275 0665; 16 Jul 2010; PJW. Rare. Hampshire Habitat Survey Partnership Project 2010. **1st for SU60**

*Lychnis coronaria* (Rose Campion): Ampfield Wood South-West, SU383 238; 19 Apr 2010; ILR. Hampshire Habitat Survey Partnership Project 2010. **1st for SU32**

*Lysimachia punctata* (Dotted Loosestrife): Burnt House Lane, Bransgore, SZ183 983; 27 Jul 2011; HREC[MR]. Locally abundant. **1st for SZ19**

☀ *Medicago polymorpha* (Toothed Medick): Mundeford Quay, SZ1838 9172; 29 Apr 2010; RMW. **1st for SZ19 since 1950**

Lee-on-the-Solent W (Daedalus), SU557 011; 02 Jun 2010; DRA & JAN. Locally frequent. SU 5575 0112, embankment E of slipway. LF over 3 x 0.25m. **New tetrad**

Hayling Island (W), SU711 005; 07 Aug 2010; DRA, JAN & EJC. SU 7110 0059, several in SW corner of wheat field. Very short, blunt, stout spines. **New tetrad**

*Mentha x gracilis* (Bushy Mint (*M. arvensis* x *spicata*)): Wellow, SU312 194; 2010; GDF. On rocks, side of stream. **1st for SU31**

☀ *Montia fontana* subsp. *amporitana* (Blinks): Busketts Wood, lawn to east, SU3216 1123; 10 May 2011; NAS. Frequent in wettest parts of lawn. Bartley Green, SU3045 1285; 13 May 2011; NAS. Rare on open mud by stream. **1st for SU31**

*Muscari neglectum* (Grape-hyacinth): W of Fir Hill, Bossington, SU320 310; 25 Mar 2011; MR & GCo. Planted on a lone grave in a field corner. **1st for SU33 since 1952**

*Myosotis arvensis* var. *sylvestris* (Field Forget-me-not var.): Meadows W of Duck Ground, Mottisfont, SU3227; 04 Jun 2011; HFG[MR]. Including parts in SU3226, SU3327. **1st for SU32**

☀ *Myrica gale* (Bog-myrtle): Hazelton Common, SU703 120; 23 Jun 2010; JMill. Hampshire Habitat Survey Partnership Project 2010. **1st for SU71**

*Narcissus minor* (Lesser Daffodil): Southampton Old Cemetery, SU413 137; 12 Mar 2011; PAB. **1st for SU41**

*Narcissus x incomparabilis* (Nonesuch Daffodil Div. II): Newport Lane, Braishfield, SU371 250; 20 Mar 2011; MR. In lane verge. Newport Lane, Braishfield, SU367 249; 20 Mar 2011; MR. In lane verge. **1st for SU32**

Silkstead Manor, SU4425; 06 Apr 2011; MR. Small groups planted at intervals in ancient woodland belt along Silkstead Lane. **1st for SU42**

*Nepeta x faassenii* (Garden Cat-mint): Cott Street area, SU5915; 18 May 2011; PAB. Woodland garden area at SU593150 - naturalised. **1st for SU51**

*Nigella damascena* (Love-in-a-mist): Cheriton, SU5828; 27 Jul 2011; BGo & JGo. 1 individual. On roadside in village. Chilcomb, around village, SU5028; 01 Aug 2011; BGo. On verge in village, probable garden escape. Baybridge, SU5223; 29 Sep 2011; BGo & JGo. Owslebury, SU5123; 29 Sep 2011; BGo & JGo. **1st for SU52**

*Nonea lutea* (Yellow Nonea): Ash Close, Romsey, SU371 208; 21 Mar 2011; Doug White. Adventitious in garden - not consciously introduced. **1st for SU32**

*Nymphaea marliacea* (Coloured Water-lily): Manor Farm Pond, SU604 084; 03 Aug 2011; HREC[MR]. **1st for SU60**

☀ *Nymphoides peltata* (Fringed Water-lily): Queen Elizabeth CP, SU718 184; 24 Aug 2011; PM. Covering half of small pond near Visitor Centre. **1st for SU71**

*Onobrychis viciifolia* (Sainfoin): Boscombe Cliffs, SZ107 911; 27 Jun 2010; MR & GCo. **1st for SZ19**

☀ *Orobanche hederæ* (Ivy Broomrape): Bransgore, SZ189 985; 11 Jun 2011; Ms H Elks-Smith, 20 individuals. In garden under Birch, SZ18981 98529. **1st for SZ19**

Hursley, SU427 247; 29 Oct 2011; MR & RCR. 2 individuals. E side of A3090 S of Poles Lane jctn, SU4279 2477. Form monochroma, on *Hedera helix* subsp. *helix*. **New tetrad**

Southwick Hill Road, SU657 061; 19 Aug 2011; DRA & JAN. 120 individuals. SU6570 0612, on W side of Southwick Hill Rd, spread betw. Orkney Rd & hosp. entrance N of it. (i.e. south of the N hosp. entr.), at base of hedgerow: forma monochroma. Southwick Hill Road, SU656061; 19 Aug 2011; DRA & JAN. 10 individuals. forma monochroma. Just S of N entr. to QA Hosp. (N of main colony of 120 plants). **New tetrad**

*Panicum miliaceum* (Common Millet): Ham Green, SU435 302; 02 Oct 2010; BGo. Probably intentionally planted with maize as pheasant food. **1st for SU43**

Hare Lane / Park Farm area, Twyford, SU4823; 16 Sep 2011; MR. **1st for SU42**

☀ *Papaver argemone* (Prickly Poppy): Shore Road, Warsash, SU4904 0612; 06 Jul 2010; ILR. Hampshire Habitat Survey Partnership Project 2010. **1st for SU40 since 1930**

*Papaver pseudoorientale* (Oriental Poppy): Highbridge Farm, Allbrook, SU466 208; 12 Jun 2010; DHub. 22 individuals. **1st for SU42**

*Persicaria amplexicaulis* (Red Bistort): Meonstoke, SU619 200; 02 Oct 2011; PM. One small plant on roadside bank at SU6191 2007. **1st for SU62**

*Persicaria wallichii* (Himalayan Knotweed): Bassett Wood North-West, SU4273 1618; 06 May 2010; JMill. Hampshire Habitat Survey Partnership Project 2010. **1st for SU41 since 1964**

☀ *Petroselinum segetum* (Corn Parsley): E of Horsham Copse, Marwell, SU505 223, SU506 224; 25 Jul 2011; CRH. Two dense groups of plants beside the footpath a short distance east of

Horsham Copse, SU 5058 2235 and 5063 2240. E of Horsham Copse, Marwell, SU506 223; 19 Aug 2011; CRH. Locally frequent. Bridlepath east of Horsham Copse, a patch one metre long by hedge on north side SU 5058 2235. South margin on Marwell boundary, locally very plentiful. Frequent along c. 9 metres SU 5062 2241 - 5063 2241. A few at SU 5061 2239. Along four metres at SU 5060 2238. Along three metres at SU 5060 2237. **1st for SU52**

*Phacelia tanacetifolia* (Phacelia): Stewarts Green, Hambledon, SU643 151; 03 Jul 2010; Doug Rose-Smith. Grid ref. SU64317 15166, reached by taking the public footpath from Stewarts Green at the field entrance turn left onto the field margin and walking along about 25metres. **1st for SU61**

*Philadelphus coronarius* (Mock-orange): Tip's Copse, Stubbington, SU557 031; 24 May 2011; PAB. 1 individual. In far south of wood. **1st for SU50**

*Photinia davidiana* (Stranvaesia): Warsash Common - compartment 11b, SU506 057; 06 Apr 2011; PAB. One probably birdsown at SU5063 0572. **1st for SU50**

*Physalis alkekengi* (Japanese-lantern): Riverside Park, Southampton - South, SU437 148; 30 May 2011; PAB. On manure heap. **1st for SU41**

*Phytolacca acinosa* (Indian Pokeweed): Felicia Park, SU609 010; 21 Oct 2011; DRA. 2 individuals. SU 6094 0109, a few metres from 2 bird feeders. **1st for SU60**

*Pilosella aurantiaca* (Fox-and-cubs): Corhampton, SU610 203; 31 May 2010; PM. Several plants spreading over 7.5m beside gate. **1st for SU62**

*Pinus radiata* (Monterey Pine): Hook Park area 4904, SU4904; 02 Oct 2011; MR & RCR. **1st for SU40**

Ampfield Wood, SU408 240; 16 Jan 2011; MR. Planted specimen tree. Hare Lane / Park Farm area, Twyford, SU4823; 16 Sep 2011; MR. **1st for SU42**

South Hayling Island, SZ717 988; 16 May 2010; HFG [DRA & JAN]. **1st for SZ79**

*Plantago major* subsp. *intermedia* (Greater Plantain): Meadows W of Duck Ground, Mottisfont, SU3227; 04 Jun 2011; HFG[MR]. Including parts in SU3226, SU3327. **1st for SU32**

[☀] *Poa humilis* (Spreading Meadow-grass): Nr Deadman Hill, SU1916; 01 Sep 2010; HREC[MR]. Road verges. **1st for SU11**

*Polypogon viridis* (Water Bent): Hayling Island, SU719 024; 30 May 2011; JAN. By wall of house, driveway to garages. **1st for SU70**

*Pontederia cordata* (Pickerelweed): Tournier Bury Marsh, SU730 000; 08 Sep 2010; HREC[MR]. Lake, N edge. **1st for SU70**

*Populus nigra* 'Plantierensis' (Semi-fastigiata Black Poplar): South Hayling, SZ709 999; 24 Sep 2011; HFG[MR]. Thicket of almost mature trees by Hayling Billy line. Lightly galled by Pemphigus bursarius. **1st for SZ79**

*Populus tremula* (Aspen): The Kench Scrubs, SZ694 999; 25 Aug 2010; JMill. Rare. Hampshire Habitat Survey Partnership Project 2010. **1st for SZ69**

*Populus trichocarpa* (Western Balsam-poplar): Holywell area, SU5914; 11 Apr 2011; PAB. Planted. **1st for SU51**

*Populus x canescens* (Grey Poplar (P. alba x tremula)): Beauworth, SU5725; 03 Sep 2011; BGo & JGo. **1st for SU52**

*Prunus padus* (Bird Cherry): Churchfields Road, Twyford, SU479 246; 18 Apr 2011; MR. Planted roadside tree, suckering in verge. **1st for SU42**

Thatchers Copse, SU528 038; 05 May 2010; ILR. Rare. Hampshire Habitat Survey Partnership Project 2010. **1st for SU50**

*Prunus x fruticans* (P. domestica x spinosa): Grove Road Rec E (G04), SU608 010; 15 Apr 2010; EJC & DRA. ID to be confirmed. Flowers over 1cm diam.,. **1st for SU60**

*Pseudofumaria alba* (Pale Corydalis): Bitterne Church, SU451 129; 12 Oct 2011; PAB. 1 individual. By access road on eastern side with native plants. **1st for SU41**

*Pseudosasa japonica* (Arrow Bamboo): Brambridge, SU4622; 15 Aug 2011; MR. Naturalising on W bank of Itchen Navigation by sluice. **1st for SU42**

*Pseudotsuga menziesii* (Douglas Fir): Cott Street area, SU5915; 18 May 2011; PAB. Self-sown. **1st for SU51**

*Pulmonaria officinalis* (Lungwort): The Warren, Havant, SU705 093; 11 May 2010; JMill. Rare. Hampshire Habitat Survey Partnership Project 2010. **1st for SU70**

*Pyrus communis* (Pear): Warsash Common - compartment 3, SU502 057; 16 May 2011; PAB. **1st for SU50 since 1930**

Ports Down, Paulsgrove, SU646 065; 11 Sep 2011; EJC, JAN & MR. 1 individual. Top edge of downland, SU6461 0656. **1st for SU60**

*Quercus x rosacea* (Q. petraea x robur): Priors Hill Copse North-West, SU4682 0925; 16 Jun 2010; PJW. Dominant. Hampshire Habitat Survey Partnership Project 2010. **1st for SU40**

Zionshill Copse area, SU4120; 11 Aug 2011; MR. SU419 205 near both parents. Sessile acorns, lf characters closer to Q. robur. **1st for SU42**

Greenwood Lane, Durley, SU506172; 16 May 2011; JAN. c. 3 mature oaks on road bank, one of which seems to be nearly pure petraea, the others poss. hybrids with Q. robur. **1st for SU51**

☀ *Ranunculus parviflorus* (Small-flowered Buttercup): Cott Street area, SU5915; 11 Apr 2011; PAB. 50 individuals. In grassland near base of cherry tree NE of the cottage – SU5940 1506. **1st for SU51 since 1883**

*Raphanus sativus* (Garden Radish): SE of Exbury, SZ432 997; 14 Oct 2011; DC. Rare. Confirmed by MR from photographs. **1st for SZ49**

Highbridge Farm, Allbrook, SU466 208; 21 Sep 2010; DHub. **1st for SU42**

Beauworth, Hamilton Farm area, SU5625; 07 Sep 2011; BGo, ARGM & MR. In sown crops of wildflower mix. Lane End Down, SU5526; 10 Sep 2011; BGo & JGo. Sown in fodder crop. **1st for SU52**

It appears to be a common constituent at present in sown-up marginal strips, with *Fagopyrum esculentum*, *Phacelia tanacetifolia*, *Sinapis alba* etc.

*Rapistrum rugosum* (Bastard Cabbage): Junkett, Gosport, SU5762 0039; 11 Aug 2010; JMill. Hampshire Habitat Survey Partnership Project 2010. W of Manor Farm, Boarhunt, SU598 082; 03 Aug 2011; HREC[MR]. Locally abundant. Band between game strip and wheat crop. **1st for SU50**

Seafarers Walk, Hayling, SZ748 985; 28 May 2011; MR. Single large plant on disturbed verge on N side of lane, SZ7480 9580. **1st for SZ79**

*Ribes alpinum* (Mountain Currant): Swanmore, SU5815; 10 Jul 2011; PAB. 2 individuals. Male plant at SU5895 1519 and female with berries at SU5899 1513. Holywell area, SU5914; 13 Oct 2011; PAB. Naturalised at a new site. SE of Dirty Copse, Swanmore, SU5900 1509; 09 Sep 2011; GCo. 1 individual. Possibly the original plantings by road but a new record. **1st for SU51**

*Rorippa palustris* (Marsh Yellow-cress): Hamble, SU483 058; 31 Jul 2011; HFG[MR]. Car park verge. **1st for SU40 since 1912**

*Rosa canina x stylosa*: Baddesley Common, SU390 217; 21 Sep 2011; MR, ARGM & GCo. SU3903 2175. **1st for SU32**

*Rosa gallica* (Red Rose): Southampton Old Cemetery - Plot 6, SU41221357; Plot 19, SU4132 1381; 06 Sep 2010; PAB. Probably a hybrid of this species (EJC). **1st for SU41**

*Rosa multiflora* (Many-flowered Rose): Hockley, SU479 268; 12 Sep 2011; EAP. 2 individuals. Probably planted, SU4791 2681, SU4792 2679. **1st for SU42**

✿ *Rosa rubiginosa* (Sweet-briar): Northney, Hayling Island, SU725 041; 10 Jul 2011; DRA, JAN et al. Occasional. **1st for SU70 since 1934**

*Rosa stylosa* x *canina*: Hayling Island, disused railway line, SZ7099; 24 Sep 2011; HFG[MR]. Rare. **1st for SZ79**

*Rosa* x *dumalis* (*Rosa caesia* x *canina*): The Field, Freemantle, SU406 132; 14 Aug 2011; PAB. 1 individual. Tarmac area of former car park at SU4068 1326. **1st for SU41**

*Rubus laciniatus* (Cut-leaved Bramble): Summerlug Hill, Mockbeggar, SU169096; Old gravel pits, Mockbeggar, SU169 099; 25 May 2011; HREC[MR]. Rare. At SU1696 0996. Nr pond, Dur Hill, SU189008; 21 May 2011; BSBI[MR]. Rare. S margin of pond, SU1890 0080. **1st for SU10**

Gospport Ramparts W area, SZ620 995; 10 Jun 2011; DRA & JAN. 1 individual. SZ 6209 9958, inner angle where the S- & W-facing banks meet. **1st for SZ69**

*Rumex* x *pratensis* (*R. crispus* x *obtusifolius*): Hamble Common, SU4805; 31 Jul 2011; HFG[MR]. **1st for SU40**

Warsash Common - compartment 3, SU502 057; 21 Jun 2011; PAB. **1st for SU50**

✿ *Salix aurita* (Eared Willow): Purewell Meadow, SZ1693; 02 Jun 2011; Philip Budd. Compartment 10 near to Osmunda. **1st for SZ19 since 1950**

*Salix triandra* var. *hoffmanniana* (Almond Willow): Hamble Common, SU4805; 31 Jul 2011; HFG[MR]. By gate onto E end of common, SU4834 0589. Presumed planted. **New vice-county record** for variety

*Salix* x *reichardtii* (*S. caprea* x *cinerea*): Purewell Meadows Reserve - Compartment 5 - east, SZ170 933; 11 May 2011; PAB. New to reserve. **1st for SZ19**

E of Avon Clump, Dur Hill, SU188 005; 21 May 2011; BSBI[MR]. Single large bush against fence, SU1888 0059. **1st for SU10**  
Baddesley Common, SU390 217; 21 Sep 2011; MR, ARGM & GCo. Hedge line by track, SU3902 2176. **1st for SU32**

*Salix* x *rubens* (*S. alba* x *fragilis*): Purewell Meadows Reserve - Compartment 5 - east, SZ170 933; 11 May 2011; PAB. New to reserve. **1st for SZ19 since 1895**

*Sambucus canadensis* (American Elder): South side of carpark west of slipway, Havant Broadmarsh, SU7020 0531; 18 Oct 2010; PAB. 5 individuals. **1st for SU70**

✿ *Samolus valerandi* (Brookweed): Curbridge, SU5211; 2011; JBI. **1st for tetrad since 1912**

*Scabiosa atropurpurea* (Sweet Scabious): Northam Road/Radcliffe Road, SU428 122; 26 Jul 2011; PAB. On grass verge. **1st for SU41**

X *Schedolium loliaceum* (*Festuca pratensis* x *Lolium perenne*): Beauworth dist. N of Rabbit Copse, SU5726; 03 Sep 2011; BGo & JGo. Field margin, SU572 267. Voucher retained, conf. MR. **1st for SU52**

*Schizostylis coccinea* (Kaffir Lily): Park Lane, Holbury, SU427 033; 12 Oct 2011; PGS. 1 individual. Disused rough grazing field by Park Lane, SU4271 0330. Fls red when fresh. First noted 2009. One plant with 6 flowering stems. **New vice-county record**

*Sedum forsterianum* (Rock Stonecrop): Fort Cumberland, SZ6828 9922; 26 Aug 2010; JMill. Hampshire Habitat Survey Partnership Project 2010. **1st for SZ69**

*Sedum stoloniferum* (Lesser Caucasian-stonecrop): Peak Lane, SU556 046; 14 Aug 2011; JAN. Locally frequent. Few patches along old Peak Lane road (now almost grown over) SU5565 0465. **1st for SU50**

*Senecio inaequidens* (Narrow-leaved Ragwort): M3 J13, Chandlers Ford, SU438 194; 18 Sep 2011; MR. Rare. By N-bound on slip. M3, Eastleigh, SU4419; 18 Sep 2011; MR. Rare. E side of central reservation, one patch of c. 1m. With these two patches of several plants each, and a further unlocalised record of a similar patch on the M27, 2012 may just be the year when this takes off across our communications networks.

*Senecio vulgaris* var. *hibernicus* (Groundsel (Rayed form)): Coast by BP Oil Terminal, Hamble, SU474 064; 31 Jul 2011; HFG[MR]. Occasional. Two stands and one isolated plant inside oil terminal perimeter fence, with abundant var. *vulgaris*. **1st for SU40**

*Senecio* x *baxteri* (*S. squalidus* x *vulgaris*): The Field, Freemantle - SW edge, SU406 131; 14 Aug 2011; PAB. 1 individual. At SU40601318. **1st for SU41**

*Sequoiadendron giganteum* (Wellingtonia): Beauworth, SU573 259; 03 Sep 2011; BGo & JGo. 2 individuals. Presumably planted long ago. **1st for SU52**

*Setaria verticillata* (Rough Bristle-grass): Rockbourne Area, SU1020; 11 Aug 2011; BGo & JGo. In maize field. Voucher retained. **1st for SU12**

Forest of Bere Farm, SU4030; 02 Oct 2010; BGo. In maize crops. Great Up Somborne Wood, SU4031; 02 Oct 2010; BGo. In maize fields. Ham Green, SU435 302; 02 Oct 2010; BGo. Probably intentionally planted with maize as pheasant food. **1st for SU43**

*Skimmia japonica* (*Skimmia*): Tip's Copse, Stubbington, SU558 033; 07 Jul 2011; PAB. 2 individuals. Escape at SU55930 322 or possibly planted. **New vice-county record**

*Solanum dulcamara* var. *marinum* (Seaside Bittersweet): Hook Park area, SU4904; 02 Oct 2011; MR & RCR. **1st for SU40**

*Solanum physalifolium* (Green Nightshade): Water Lane Allotments, Totton, SU354 134; 16 Aug 2011; DC. **1st for SU31**

*Sorbus aria* (Common Whitebeam): The Warren, Havant, SU705 093; 11 May 2010; JMill. Rare. Hampshire Habitat Survey Partnership Project 2010. **1st for SU70**

✿ *Sorbus torminalis* (Wild Service-tree): Fishlake Meadows, Romsey, SU357221; 14 Apr 2011; MR. 1 individuals. Single multi-stemmed shrub in large roadside replanting of native and alien trees, almost certainly planted. **1st for SU32 since 1984**

*Spinacia oleracea* (Spinach): Admiralty Close / Orwell Drive, SU610 010; 04 Oct 2011; JAN, EJC & DRA. 1 individual. Cycleway. Weed in shrubbery behind houses, presumably from bird-seed (as with other nearby aliens). **1st for SU60**

*Spiraea douglasii* (Steeple-bush): Tredgould's Copse, North Baddesley, SU413 206; 11 Aug 2011; MR. Outcast or possibly planted on S edge. **1st for SU42**

*Spiraea japonica* (Japanese Spiraea): Southampton Old Cemetery, SU4113; 24 Aug 2010; PAB. In grassland on east side. **1st for SU41**

✿ *Spiranthes spiralis* (Autumn Lady's-tresses): Chiltern Drive, Barton-on-Sea, SZ23 2939; 22 Aug 2011; Mrs J Heslop. About twenty to thirty spikes of Autumn Lady's tresses in a front lawn. **1st for tetrad since 1930**

Knightwood Inclosure, SU258 062; 14 Aug 2011; RPR. This inclosure is being thrown into the Open Forest and the plant was on a rideside in an area cleared of conifers in the last few years. **New tetrad**

Poundhill Inclosure - near the ford, SU2773 0445; 28 Aug 2011; SCu. 1 individual. **New tetrad**

*Stachys byzantina* (Lamb's-ear): Shore Road, Warsash, SU4904 0612; 06 Jul 2010; ILR. Hampshire Habitat Survey Partnership Project 2010. **1st for SU40**

✿ *Stratiotes aloides* (Water-soldier): Queen Elizabeth CP, SU718 184; 24 Aug 2011; PM. Several large clumps in small pond near Visitor Centre. **1st for SU71**

*Symphoricarpos x chenaultii* (Pink Snowberry): Oliver's Battery, Winchester, SU450 269; 13 Nov 2010; PM. 1 individual. On south side of Port Lane at SU4509 2691 with fruits pink on upper side, white on lower side with spots of contrasting colours and leaves not lobed. **1st for SU42**

*Syringa vulgaris* (Lilac): Baybridge, SU5223; 29 Sep 2011; BGo & JGo. **1st for SU52**

*Tellima grandiflora* (Fringecups): Hinton Ampner, SU597 275; 20 May 2010; PM. Large patch with several flowering stems around old tomb at Hinton Ampner churchyard. **1st for SU52**

*Thuja plicata* (Western Red-cedar): Longwood Estate, SU5324; 07 Sep 2011; BGo, ARGM & MR. **1st for SU52**

*Thymus pulegioides* (Large Thyme): Home Covert, SU373 158; 31 May 2011; DRA & JAN. SU 3738 1587, one plant beside path just outside woodland. **1st for SU31**

☼ *Torilis arvensis* (Spreading Hedge-parsley): Park Farm, Colden Common, SU489 231; 2011; GDF. One small plant, edge of cornfield / track, N side close to Park Farm. **1st for tetrad since 1965**

E of Whitedell, N Fareham, SU594 081; 03 Aug 2011; HREC[MR]. 16 individuals. Edge of grassy track by Barley field, SU5943 0814 to SU5944 0814. **New tetrad**

*Trachystemon orientalis* (Abraham-Isaac-Jacob): Hamble Common, SU480 062; 31 Jul 2011; HFG[MR]. By entrance gate to common from School Lane. **1st for SU40**

*Trifolium resupinatum* (Reversed Clover): Longwood Estate, SU5324; 07 Sep 2011; BGo, ARGM & MR. 4 individuals. Margin of setaside sown with wildflower mix, SU5360 2441. **1st for SU52**

☼ *Trifolium striatum* (Knotted Clover): Warblington Meadows, SU729 050; 04 Jun 2011; JAN. Abundant. In large patches on inner bank of sea wall. Just finished flowering after warm, dry spring. **1st for SU70 since 1969**

☼ *Trifolium subterraneum* (Subterranean Clover): Sparsholt College Grounds, SU4332; 16 May 2011; BGo & JGo. **1st for SU43**

☼ *Trifolium suffocatum* (Suffocated Clover): Mude Valley - north, SZ1893; 03 May 2011; PAB. 40 individuals. Many in grass by car park at SZ183 930 in Compartment 6b. **1st for tetrad since 1960**

*Triticum turgidum* (Rivet Wheat): Longwood Estate, SU5324; 07 Sep 2011; BGo, ARGM & MR. Relic of planting, SU535244. **1st for SU52**

☼ *Ulex gallii* (Western Gorse): Highland Water Inclosure, SU252 094; 09 Oct 2011; MR & RCR. Rare. A scattering of plants along forestry ride, SU2525 0949. **1st for SU20**

☼ *Umbilicus rupestris* (Navelwort): Botley Road, Curdridge, SU533 144; 2010; GDF. Rare. Small population on and at base of large oak in The Plantation roadside, just as it leaves the Botley Road. **1st for SU51**

*Verbascum blattaria* (Moth Mullein): Wellow, SU300 181; 2010; GDF. Scruffy ground outside hedge of house - planted?. **1st for SU31 since 1972**

Winchester, SU462272, SU463272; 19 Oct 2010; PM. 5 individuals. Plants with white flowers on north side of bridleway to Bushfield Farm at SU4629 2723. Bushfield Roundabout, B3335 Winchester, SU472 268; 17 Jul 2011; EJC & JAN. White-flowered form, single flowers, purple stamens, glandular. On road verge at start of St Cross Road, by roundabout. **1st for SU42 since 1964**

*Verbena x hybrida* (Bedding Verbena): Thornhill Roundabout, SU473 129; 10 Jun 2011; DTr. 2 individuals. **New vice-county record**

*Viburnum lantana* (Wayfaring-tree): Purewell Meadow, SZ1693; 11 May 2011; PAB. Purewell Meadows Reserve - Compartment 5 - east, SZ170 933; 11 May 2011; PAB. **1st for SZ19**

*Viburnum rhytidophyllum* (Wrinkled Viburnum): Zionhill Cope area, SU4120; 11 Aug 2011; MR. **New vice-county record**

*Viburnum tinus* (Laurustinus): Downton, SZ263 943; 18 Jan 2011; PM. Large bush beside path at Hooper's Hill, SZ2637 9435. **1st for SZ29**

Rownhams Church Compartment E4, SU384 170; 23 Sep 2011; PAB. In hedge by tarmac road. **1st for SU31**

Romsey, SU359 218; 02 Mar 2011; MR. Single bush in scrub by old canal. **1st for SU32**

Sinah Common, Hayling Island, SZ702 993; 25 Oct 2010; PM. Small shrub 1 metre tall with flower buds at SZ7021 9930. **1st for SZ79**

☼ *Vicia tenuifolia* (Fine-leaved Vetch): Gullycroft Mead, Hedge End, SU485 132; 01 Nov 2011; PAB. 10 individuals. On south edge of woodland by Turnpike Way. **1st for SU41**

*Vicia villosa* (Fodder Vetch): SE of Exbury, SZ432 997; 14 Oct 2011; DC. Locally abundant. Hundreds in an arable field now abandoned and fallow, clearly a relict of earlier cultivation. Series of photos provided. **1st for SZ49**



**Fodder Vetch *Vicia villosa*, near Exbury – David Caals**

This looks most like a white-winged form of the plant described as subsp. *varia*, with relatively large broad leaflets and not conspicuously hairy.

*Vinca major* var. *oxyloba* (Greater Periwinkle): Wintershill, Durley - SW corner of B2177/B3342 junction, SU538 182; 30 Jun 2010; PAB. Abundantly naturalised. **1st for SU51**

☼ *Viola canina* (Heath Dog-violet): Southampton Common - Reservoir East, SU4171 1519; 23 Apr 2011; PAB. **New tetrad**

*Viola odorata* var. *dumetorum* (Sweet Violet): Lower Brook, SU3327; 27 Mar 2011; MR. **1st for SU32**

*Viola odorata* var. *imberbis* (Sweet Violet): NW of Mount Pleasant, Lockerley, SU294 250; 02 Apr 2010; MR & RCR. Nr Curlew's Farm, Critchells Green, SU290 260; 02 Apr 2010; MR & RCR. **1st for SU22**

☼ *Viola riviniana* x *lactea*: SE of Beaulieu Road Station, verge, SU353 060; 11 May 2011; MR. 2 individuals. Amongst populations of both parents. **New tetrad**

*Viola x wittrockiana* (Garden Pansy): N of Preshaw House, SU5624; 05 Sep 2011; BGo. A very mixed lot, on disturbed ground on roadside, with *V. arvensis*, conf. MR. **1st for SU52**

*Zanichellia palustris* subsp. *palustris* (Horned Pondweed): Fort Brockhurst / Elson Road, SU597 019; 06 Nov 2011; DRA, JAN & EJC. SU 5974 0198, Ft. Brockhurst moat, E of the most westerly bridge. Ripe fruit found in specimen of *Myriophyllum*. **New tetrad**

## 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.

There has been an upsurge in recording during 2011 by myself and others as effort starts to crank up for the new national Atlas 2020. So I have a wealth of records to choose from for inclusion here – my apologies if I have not listed yours.

2012 will be the last year for BSBI's Threatened Plant Project searching for specific rare species at known former sites. See the BSBI website for more details. I can always do with more help with this so (as last year) I have advertised the dates on which I expect to be searching for particular plants on the website at <http://www.hantsplants.org.uk>. The plants I will be searching for in 2012 are Man Orchid, Green-winged Orchid, Fine-leaved Fumitory, Smooth Cat's-ear, Small Water-pepper, Corn Buttercup and Field Fleawort. If you wish to join me please phone me a day or two before the advertised date to check if it is still on (many of you know that I dissolve in the rain so I avoid it).

One of the species on the list for checking under the Threatened Plant Project in 2011 was Dodder (*Cuscuta epithymum*). Of course this is hardly threatened in Hampshire as it is widespread especially on heathland. I surveyed 12 widely spaced sites for the Threatened Plant Project but what was most interesting was the variety of its host species. On heathland the commonest hosts are *Calluna vulgaris*, *Erica cinerea*, *Ulex europaeus* and *Ulex minor* but on chalk downland at just one spot within Porton Down a team of us (Anne Appleyard, Sue Fitzpatrick and I) carefully checked which species were actually penetrated by the parasitic haustoria of Dodder. We came up with an amazing list of 23 species. These were: *Agrimonia eupatoria*, *Bromopsis erecta*, *Cirsium acaule*, *Clinopodium vulgare*, *Euphrasia nemorosa*, *Festuca rubra*, *Galium mollugo* subsp. *erectum*, *Galium verum*, *Hypericum perforatum*, *Knautia arvensis*, *Leontodon autumnalis*, *Lotus corniculatus*, *Pastinaca sativa*, *Potentilla reptans*, *Rumex acetosa*, *Sanguisorba minor*, *Senecio jacobaea*, *Succisa pratensis*, *Thymus polytrichus*, *Veronica chamaedrys*, *Veronica officinalis*, *Vicia cracca* and *Viola hirta*.

Surely the most exciting find in VC12 in 2011 was a thriving colony of Martin's Ramping-fumitory *Fumaria reuteri*. On 23 Sep 2011 John Moon was with Henry Edmunds, visiting his organic farm near Cholderton, when they first spotted a group of about 20 unusual Fumitories. A small piece was sent to the Fumitory Referee, Rose Murphy, who determined it as the very rare *F. reuteri*. John and Henry returned on 27 Sep 2011 and found that there were actually a few thousand plants of it scattered widely amongst the turnip crop. (A fuller account will be published in BSBI News.) Apart from that, the records for *Chenopodium urbicum* and *Herniaria glabra* (also referred to above in the account about the visit to Thrupton) are pretty amazing.

Alien plants continue to invade Britain. One to watch for in future is *Senecio inaequidens* – a very large bushy plant with very narrow leaves and a mass of typical 'ragwort' flowers. It has spread northwards up through France and I'm sure that its parachute seeds can cross the channel. The first Hampshire record was 1962 but since 2000 it has been increasingly found in both VC11 and VC12. Martin Rand tells me it is self-incompatible but once a couple of plants are found within 'bee-range' for pollination it will really take off. I found three plants growing within a few square metres this year, so I await developments.

RDNHS = Reading District Natural History Society

HFG = Hants Flora Group

HCC = Hampshire County Council

***Agrimonia procera*** (Fragrant Agrimony) A single plant at Tweseldown 8247 5234 and a few more at 8265 5232, both beside paths, Tony Mundell 1 Oct 2011.

***Alisma lanceolatum*** (Narrow-leaved Water-plantain) Three plants at Popley 6398 5491 plus two at 6399 5491, Ted Pratt 1 Sep 2011.

***Ambrosia artemisiifolia*** (Ragweed) A large multi-branched 1m plant in a garden at Whitedown, Alton 7110 3893, evidently arising from birdseed, Clive Carter 11 Sep 2011.

***Anisantha diandra*** (Great Brome) All along field margin at Sutton Down Farm 457385, Barry Goater 19 Jul 2011. At edge of rape field, south of Stoke Charity 4880 3867, Barry Goater 14 Jul 2011.

***Anthemis tinctoria*** (Yellow Chamomile) Single flowering plant on disturbed soil at Thrupton 2756 4505, HFG meeting 14 Aug 2011.

***Arctium lappa*** (Greater Burdock) Many plants along road verge at 6906 5596, SE of Sherfield on Loddon, Tony Mundell 7 Aug 2011. At Hazeley Heath at 7646 5755, 7653 5752 and 7571 5829, Tony Mundell 17 Aug 2011. Several on disturbed soil at Thrupton 2756 4505, HFG meeting 14 Aug 2011.

***Baldellia ranunculoides*** (Lesser Water-plantain) Fleet Pond, East Marsh, 20 plants at 8243 5509, 90 at 8244 5509 and 2 at 8244 5508 in area scraped by a JCB last winter. The plants seem to be intermediate between subsp. *repens* and subsp. *ranunculoides*. Fleet Pond, Coldstream Marsh only a single plant found at 8251 5498 on a recently scraped area, we could not re-find it at three spots nearby where last reported on 19 Jun 2008 as currently too dried up there. All Ginnie Copey, Mary Parker & Tony Mundell 24 Jul 2011.

***Berberis vulgaris*** (Barberry) One large bush with many fruits at Itchen Wood 5361 3576, Peter Marston 12 Nov 2011.

***Bidens ferulifolia*** (Fern-leaved Beggarticks) Several plants in paving cracks by walkway to car park, Hartley Wintney 767569, Tony Mundell 17 Aug 2011.

***Cabomba caroliniana*** (Carolina Water-shield) Plentiful in the Basingstoke Canal at Claycart 851527, Ginnie Copey, Mary Parker & Tony Mundell 24 Jul 2011. Unfortunately this aggressive alien is still plentiful in the Basingstoke Canal even though the opaque water has led to the demise of virtually all the canal's scarce native species.

***Carex rostrata*** (Bottle Sedge) In the drained reservoir at Bourley 827498 growing near *Viola palustris*, Chris Hall 13 Aug 2011. On edge of Lodge Pond 8128 4291, Tony Mundell 21 Jul 2011.

***Carex vesicaria*** (Bladder Sedge) In swamp at south end of Lodge Pond 8111 4284, Tony Mundell 21 Jul 2011.

***Catabrosa aquatica*** (Whorl-grass) Itchen headwaters and water meadows at North End, Cheriton 5829 and in Cheriton Mill area 5729, Barry & Jane Goater 25 & 29 Jul 2011.

***Centaurea cyanus*** (Cornflower) A single plant shown to Tony Mundell on 10 Aug 2011 in grassland at Old Down, Basingstoke

5968 4870, where the soil had been disturbed by rabbits. This area was arable 12 years ago, and the Cornflower is surely an archaeophyte here.

***Centaurea pulchellum*** (Lesser Centaury) At least 20 plants, maybe more, at Hawley Common 8459 5889 near the disused airstrip, Owen Burnham and Richard Bullock 30 Sep 2011, photos conf. ARGM. Heath Warren, c.6 plants at 7653 6008, 5 at 7654 6007 and one at 7646 6017, Owen Burnham and Richard Bullock 14 Aug 2011.

***Ceratochloa carinata*** (California Brome) South of Wonston, plentiful from 4732 3830 to 4731 3828 on arable field edge, Martin Rand, Barry Goater & Tony Mundell 20 Jul 2011.

***Chamaemelum nobile*** (Chamomile) Small patches in a grassy clearing within woodland near Bartley Heath at 7259 5249 and 7262 5251 shown to Tony Mundell by Mike Morton on 28 Aug 2011 (where it has been recorded by others since c.1959).

***Chenopodium giganteum*** (Tree Spinach) In game strip sowing at Flint Farm, Goodworth Clatford 348400 and 347400, HFG meeting 17 Jul 2011. In planted game strip at Berry Court Farm, Nether Wallop 300356, Martin Rand, Mary Parker & Ginnie Copsey 20 Jul 2011.

***Chenopodium quinoa*** (Quinoa) In planted game strip at Flint Farm, Goodworth Clatford 347400, HFG meeting 17 Jul 2011.

***Chenopodium urbicum*** (Upright Goosefoot) Several plants at Thruxton 2757 4504, HFG meeting 14 Aug 2011, specimen det. Eric Clement.

***Cirsium eriophorum*** (Woolly Thistle) Single plant, leaves only, on north side of road at Balksbury Hill, Anna Valley 350443, Mike Wildish 23 Jul 2011.

***Clinopodium acinos*** (Basil Thyme) On steep, bare chalk, South Stoke Farm railway cutting 4915 3571, Barry & Jane Goater 9 Jul 2011.

***Coeloglossum viride*** (Frog Orchid) Ladle Hill, scattered over square bounded by 4774 5694 and 4778 5699, Peter Billingham 20 Jul 2011. On 10 Jul 2011 Bill Helyar & Tony Mundell counted 34 spikes here at Ladle Hill whilst on 21 Jul 2011 Simon Melville estimated about 50 on the north-west slope. Two plants in seed at Porton Down 2574 3828, Tony Mundell & Anne Appleyard et al 27 Aug 2011.

***Datura stramonium* var. *chalybaea*** (Purple-flowered Thorn-apple) On disturbed soil at Thruxton 2754 4503 and 2787 4524, HFG meeting 14 Aug 2011.

***Dianthus deltoides*** (Maiden Pink) A single plant at Old Down, Basingstoke 5961 4872, shown to Tony Mundell in seed on 10 Aug 2011, where first found on 7 Jun 2011 by Shaila Lambert. A specimen collected in flower was det. by Eric Clement. This area was arable 12 years ago and I believe it is native as the site is very close to Pardown where it was recorded in a field in 1914. (See also record for *Centaurea cyanus*).

***Dipsacus pilosus*** (Small Teasel) A large group of plants in SW corner of the overflow car-park for Overton railway station 518507, Margaret Rainford 11 Sep 2011, confirmed by Tony Mundell 24 Sep 2011.

***Elatine hexandra*** (Six-stamened Water-wort) Many tiny plants in flower on bare scraped mud at Fleet Pond 8251 5500, 8251 5499, locally abundant at 8251 5498, Ginnie Copsey, Mary Parker & Tony Mundell 24 Jul 2011.

***Eleocharis acicularis*** (Needle Spike-rush) Patch 2m x 2m at Fleet Pond 8244 5508 and closely grazed by geese and ducks at 8239 5499, Ginnie Copsey, Mary Parker & Tony Mundell 24 Jul 2011.

***Epilobium lanceolatum*** (Spear-leaved Willowherb) About 20 survivors at Kingsley 7811 3789 beside disused part of former B3004, but getting very overgrown and shaded out, plus a few

more at 7794 3775 on steep sandy bank above B3004, Tony Mundell 27 Jul 2011.

***Epipactis palustris*** (Marsh Helleborine) c.500 plants at Greywell Water Works 7225 5140, Chris Pines 9 Jul 2011.

***Epipactis phyllanthes*** (Green-flowered Helleborine) A splendid group of 13 stems at Hollywater Road, Bordon 8054 3446, but also found on both sides of the road between 8053 3441 (west side) to 8066 3495 (east side) Simon Melville 2 Aug 2011. Single spike at Porton Down in protective cage at 2475 3730, Anne Appleyard, Tony Mundell & Sue Fitzpatrick 6 Aug 2011. Single plant beside footpath at Easton 5032 3255, close to bridge carrying M3 above, Tony Mundell, Loraine Martin & Andrea Bassett 31 Aug 2011.

***Epipactis purpurata*** (Violet Helleborine) Total of 20 spikes shown to Tony Mundell by Jonathan Bills 16 Aug 2011, at Cockshott Lane 7374 2702 and 7377 2705, plus one plant in front lawn of house at 7338 2683. Still present at Monkwood 6730, Phil Budd 8 Aug 2011 who reported that 51 were later seen here by Bernard & Tara Dempsey. Another site found in Blackberry Lane, Four Marks 6754 3533 beside house named 'Magpies', also on road verge of Alton Lane 6752 3451 near Garthowen Garden Centre, both Diana Tennyson 13 Jul 2011. At least three fruiting plants at 550621 under the deep shade of the Lime trees that form Ashford Hill Churchyard boundary, Clive Chatters 13 Sep 2011. Chawton Park Wood ten plants with 15 flower stems at 673360, 8 plants with 8 flower stems at 673361 and 4 large plants but flower stems all eaten off at 676362, Peter Marston 17 Aug 2011.

***Equisetum sylvaticum*** (Wood Horsetail) Has responded really well to local tree removal last February by the army in an attempt to revive it at Beacon Hill Ewshot 8239 5046, Tony Mundell & Giles Groome 2 Aug 2011.

***Euphrasia anglica*** (Glandular Eyebright) c.50 plants scattered from 8280 4993 to 8279 4992 along c.30m of the edge of a derelict drainage channel (where refound recently by Chris Hall), also two small patches nearby at 8278 4995, Tony Mundell 21 Aug 2011. Eight plants in short grass at Pamber Pasture 6164 6196, Tony Mundell 9 Jul 2011.

***Fumaria densiflora*** (Dense-flowered Fumitory) Ladle Hill on arable edge, three at 4774 5675 and three at 4773 5676, Peter Billingham 20 Jul 2011. South of Wonston on arable field edges at 4739 3824 and 4743 3816, Martin Rand, Barry Goater & Tony Mundell 20 Jul 2011. Berry Court Farm, Nether Wallop 300356, Martin Rand, Ginnie Copsey & Mary Parker 20 Jul 2011. Flint Farm, Goodworth Clatford 346407, field margin, HFG meeting 17 Jul 2011.

***Fumaria parviflora*** (Fine-leaved Fumitory) A couple of plants amongst other *Fumaria* species at Andover 3387 4587 on the south-facing bank of the east side of the newly-constructed underpass, by the small retaining wall, Ian Ralphs 13 Jul 2011. Flint Farm, Goodworth Clatford, in field corner and track running NW from it at 3537 4058 to 3533 4060, HFG meeting 17 Jul 2011. On field edge at Henry Edmund's farm near Cholderton at 2431 4312 and 2447 4320, Tony Mundell, Renée Grayer & RDNHS 25 Jun 2011.

***Galeopsis angustifolia*** (Red Hemp-nettle) On a bare chalk cutting at Morn Hill 5181 2915, Phil Budd 30 Aug 2011.

***Galium pumilum*** (Slender Bedstraw) Single patch 50cm x 20cm at Ladle Hill 4767 5673 beside a minor trampled animal track close to the scrub/woodland edge, Bill Helyar & Tony Mundell 10 Jul 2011.

***Galium x pomeranicum*** (Hedge Bedstraw x Lady's Bedstraw) Ladle Hill 7418 2738, Bill Helyar & Tony Mundell 10 Jul 2011. Ladle Hill 4790 5674, Simon Melville 21 Jul 2011, photos confirmed Tony Mundell.

**Gentianella campestris** (Field Gentian) Hundreds of plants now dead, but five still in flower, Highclere Estate 455600, Phil Budd 5 Nov 2011.

**Gentianella germanica** (Chiltern Gentian) Many hundreds of plants, beginning to come into flower, from 4632 5534 to 4631 5524, with somewhat fewer *G. amarella*. [In fact many of the plants here are known to be the hybrid *G. x pamplinii* – ARGM].

**Glebionis segetum (=Chrysanthemum segetum)** (Corn Marigold) On field margin at Flint Farm, Goodworth Clatford 346401 & 346399, HFG meeting 17 Jul 2011.

**Gnaphalium sylvaticum** (Heath Cudweed) Still present in small quantity at Stony Brow, Monkwood 678306, but not quite at the spot where I saw it before due to scarcity of disturbed ground, Phil Budd 8 Aug 2011.

**Groenlandia densa** (Opposite-leaved Pondweed) A 7m clump in the Itchen headwaters at Cheriton, North End 5809 2913.

**Gunnera manicata** (Brazilian Giant Rhubarb) Three plants at Burghclere 4662 6003, Ted Pratt 11 Oct 2011.

**Herniaria glabra** (Smooth Rupturewort) Two plants on area of disturbed soil at Thrupton 2757 4495, HFG meeting 14 Aug 2011, small voucher piece confirmed by Eric Clement.

**Hieracium scotostictum** (Dappled Hawkweed) 30 plants at Winnall on SE side of road by Jewsons 4916 3009 to 4917 3010, plus five plants at 4917 3010 on NW side of road, Ted Pratt 11 Oct 2011.

**Hordeum distichon** (Two-rowed Barley) Flint Farm, Goodworth Clatford, field bund at 349408, HFG meeting 17 Jul 2011.

**Hottonia palustris** (Water-violet) A few plants at 8510 5269 at Claycart Flash, but a severe *Crassula helmsii* problem in the flash, Joel Miller 22 Jul 2011.

**Hyoscyamus niger** (Henbane) Six small plants, two flowering, four fruiting, at edge of barley field at No Man's Land, Winchester 5080 2960, Peter Marston 28 Aug 2011.

**Hypopitys monotropa (=Monotropa hypopitys)** (Yellow Bird's-nest) 12 plants on north side of metalised track north of Bordon at 7968 3723, Bill & Chris Wain 10 Aug 2011.

**Illecebrum verticillatum** (Coral-necklace) Has exploded at Broxhead Common and is now abundant in a pink-white carpet within 10-20m of A325, e.g. 7986 3736, 7997 3719, 8001 3724, 8000 3722 etc. Bill & Chris Wain 10 Aug 2011. This colony was found independently by Chris Slack on 21 Aug 2011 who sent me the photos included here.

**Juncus x diffusus** (Soft Rush x Hard Rush) Near Isington beside Bottom Copse on public footpath at 7789 4197, close to a stream, Tony Mundell 29 Sep 2011. NW of Fleet in a roadside ditch at 7921 5605, Tony Mundell 30 Sep 2011.

**Legousia speculum-veneris** (Large Venus's-looking-glass) A glorious display south of Upper Wootton, counted 234 plants, but certainly an underestimate. At its densest in the field corner at 57387 53939 extending east to 57430 53921 and south down the headland to 57365 53924. Didn't search further east than 57477 53894, Fred Rumsey 24 Jul 2011. [However Simon Melville visited on 28 July 2011, by which time the rape had been harvested and the machinery had decapitated most of the *Legousia*].

**Lithospermum arvense** (Field Gromwell) At least 130 plants scattered along arable field edge beside public footpath at Watership Down, e.g. 54 at 4944 5688 and five at 4943 5688, over 50 at 4954 5682, 10 at 4955 5680, 8 at 4953 5682 and three at 4952 5684, Tony Mundell 10 Jul 2011.

**Littorella uniflora** (Shoreweed) Still in the largest pond at Bourley 830505, Chris Hall 13 Aug 2011. Locally abundant at Long Valley, Aldershot 8368 5270 in shallow pond / scrape, Tony Mundell 1 Oct 2011. Locally abundant in previously scraped areas at Fleet Pond 8247 5494 to 8248 5492 and at 8246 5507 and 8251 5498, Ginnie Copsey, Mary Parker & Tony Mundell 24 Jul 2011.



**Coral-necklace *Illecebrum verticillatum* at Broxhead  
Common in 2011 – Chris Slack**

**Malva alcea** (Greater Musk-mallow) Two plants on disturbed soil at Thrupton 2769 4497, HFG meeting 14 Aug 2011.

**Meconopsis cambrica** (Welsh Poppy) Plentiful along 20m of roadside bank at Binsted 7745 4109, Tony Mundell 29 Sep 2011.

**Melilotus indicus** (Small Melilot) Single plant on grass trackway at Pilot Hill 399596, shown to Mike Wildish by Mervyn Grist 28 Sep 2011.

**Mentha x smithiana** (Tall Mint) Morn Hill 516292, Phil Budd 10 Aug 2011.

**Mentha x verticillata** (Whorled Mint) Bentley Station Meadow 794430, Phil Budd 1 Sep 2011.

**Nepeta cataria** (Cat-mint) A fine plant on disturbed soil at Thrupton 2756 4504 plus two where previously recorded at 2768 4498, HFG meeting 14 Aug 2011. Field margin at Flint Farm, Goodworth Clatford 3461 4011 and at 3529 4063 on verge between track and hedge, HFG meeting 17 Jul 2011. Two clumps north of South Wonston at 4604 3747, on field edge beside a gate, shown to Martin Rand & Tony Mundell on 20 Jul 2011 by Barry Goater, who had found them the previous day.

**Oenothera rubricaulis** c.20 plants still present at Long Valley, Aldershot 8377 5268. Several hundred plants at Kingsley 7782 3777 in a disused sand-pit, plus about 20 nearby at the Tower Mustard site, 7787 3776. All Tony Mundell 27 Sep 2011, confirmed Rose Murphy Oct 2011, though in Nov 2011 she pointed out that the somewhat reddish sepals on the Kingsley photos indicated possible hybridization.

**Onobrychis viciifolia** (Sainfoin) Abundant in open area near site of a long barrow at South Wonston 472360, Peter Marston



16 May 2011. Five at edge of barley field at No Man's Land, Winchester 508295, Peter Marston 28 Aug 2011.

***Onoclea sensibilis*** (Sensitive Fern) Several plants along 7m at Burghclere 4662 6003, Ted Pratt 11 Oct 2011.

***Orobanche hederæ*** (Ivy Broomrape) Increased at Impstone Road, Pamber Heath 4662 6003 with 157 spikes of normal purple form on verge by 30mph sign, Bill Helyar & Tony Mundell 9 Jul 2011.

***Papaver argemone*** (Prickly Poppy) Ladle Hill c.4778 5672, a couple of plants on arable field edge about 15 yards from the NE corner of the field bounded by Wayfarer's Walk, Simon Melville 21 Jul 2011. Ladle Hill along tracks from 4808 5673 to 4803 5673, and at 4838 5699, Peter Billingham 20 Jul 2011. Watership Down at 4945 5688 and 4956 5679 on arable field edge beside public footpath, Tony Mundell & Bill Helyar 10 Jul 2011. Hampshire Gap, Porton Down, few on arable field edges at 2429 3993, 2429 3991 and 2428 3991, Anne Appleyard, Tony Mundell & Sue Fitzpatrick 6 Aug 2011.

***Persicaria bistorta*** (Common Bistort) North end of meadow north of Cheriton Mill 578297, Barry & Jane Goater 29 Jul 2011.

***Phyteuma orbiculare*** (Round-headed Rampion) Three on bank of old fort at Stockbridge Down 3805 3519, plus over 100 at 3775 3505, Peter Billingham 4 Sep 2011.

***Potentilla argentea*** (Hoary Cinquefoil) About ten plants in flower at Oxney Farm, Bordon 7919 3709, Bill & Chris Wain 10 Aug 2011.

***Potentilla indica* (= *Duchesnea indica*)** (Yellow-flowered Strawberry) Patch 3m across in mown grass of Easton Churchyard 5089 3225, Tony Mundell, Loraine Martin & Andrea Bassett 31 Aug 2011.

***Ranunculus trichophyllus*** (Thread-leaved Water-crowfoot) Still present in the dew pond at Ladle Hill 4868 5681, but lost from the nearby dew pond very close to the ancient earthworks, which is now overgrown, Tony Mundell & Bill Helyar 10 Jul 2011.

***Raphanus sativus*** (Garden Radish) Fruiting in great abundance across whole field NW of 7968 5636 near Fleet, mixed with *Setaria pumila*, Tony Mundell 30 Sep 2011, presumably sown to attract birds.

***Rosa obtusifolia*** (Round-leaved Dog-rose) Single bush in meadow at Beggarwood, Basingstoke 6044 4818, Tony Mundell 10 Aug 2011.

***Rosa x scabriuscula*** (*Rosa canina* x *tomentosa*) In hedgerow bordering track at Hurstbourne Tarrant 3889 5377, Peter Billingham 15 Aug 2011, specimen det. Roger Maskew.

***Rubus echinatus*** Ridges Copse, hedges by Stoke Road 387494, Mike Wildish 14 Sep 2011.

***Rumex cristatus*** (Greek Dock) Just in Hampshire, west of Tadley beside the A340/B3051 roundabout at 5842 6271 and beside the A340 at 5880 6266, Bill Helyar & Tony Mundell 10 Jul 2011.

***Salvia verbenaca*** (Wild Clary) Still present at Overton Church with c.100 plants on road verge at 5149 4996 and in adjacent part of churchyard, Tony Mundell 24 Sep 2011.

***Sambucus ebulus*** (Dwarf Elder) On road verge at Easton from 5114 3223 to 5115 3231, Loraine Martin, Tony Mundell & Andrea Bassett 31 Aug 2011.

***Scabiosa columbaria*** (Small Scabious) Remarkably abundant in a meadow at Beggarwood, Basingstoke 601483, with thousands of plants over a wide area, Tony Mundell et al, 10 Aug 2011.

***Securigera varia*** (Crown Vetch) Well established over a large area on both sides of track near barrow at Micheldever Wood 532368, Peter Marston 12 Nov 2011.

***Senecio inaequidens*** (Narrow-leaved Ragwort) In central reservation of A3 near Petersfield 7324, spotted whilst driving, Tony Mundell 25 Sep 2011. Long Valley, Aldershot, three plants close together at 8367 5276, beside much *Senecio viscosus*, Tony Mundell 1 Oct 2011.

***Silene noctiflora*** (Night-flowering Catchfly) Flint Farm, Goodworth Clatford, at 348408, 346407 and 348400, HFG meeting 17 Jul 2011.

***Spiranthes spiralis*** (Autumn Lady's-tresses) Magdalen Hill Down four flowering plants at 503292, Peter Marston 28 Aug 2011.

***Thesium humifusum*** (Bastard-toadflax) Danebury Hill 325376 and in other spots in the south and east of the SSSI, Mike Wildish 27 Jul 2011.

***Turritis glabra* (= *Arabis glabra*)** (Tower Mustard) Many hundreds of plants at Kingsley 7787 3776 following scrub clearance by HCC last winter, Tony Mundell 27 Jul 2011.

***Valerianella carinata*** (Keeled-fruited Cornsalad) Three on east side of West Hill Road, South Wonston 472358, Peter Marston 16 May 2011.

***Valerianella dentata*** (Narrow-fruited Cornsalad) South of Upper Wootton, a few scattered plants, densest in field corner at 5739 5394 extending east to at least 5748 5389, Fred Rumsey 24 Jul 2011. North-east of Cheriton, in entrance to field at 5959 2989, Barry & Jane Goater 25 Jul 2011.

***Viola lactea*** (Pale Dog-violet) Seven plants at Pondtail Heath 8289 5357, scattered through grazed *Molinia* near the group of poplars close to the canal, where seen previously in 2003 and 2010. However also 72 plants at 8289 5358 where a turf-scraper was made last autumn, funded by Plantlife. *Viola riviniana* is plentiful in the scrub belt near the canal so hybridization may occur. All Chris Hall 28 Sep 2011.

***Wahlenbergia hederacea*** (Ivy-leaved Bellflower) Surviving at several spots despite absence of any management there. One plant in flower under alders at 8262 5018. Three or four plants in flower at 8253 5011. A small group, c.8 plants, some with flowers at 8251 5011. Two small plants with no flowers at 8250 5011. The plants refound in June at 8272 5020, where some trees were felled, have survived in the only fairly open patch amongst rather dense grass and herbage. All Chris Hall 13 Aug 2011.

Compiled 22 November 2012

Please send your plant records for VC12 to Tony Mundell at [vc12recorder@hantsplants.org.uk](mailto:vc12recorder@hantsplants.org.uk) (see back page).

**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.

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Participants at the joint BSBI/Hampshire Flora Group meeting at Dur Hill, New Forest, August 2011 (see p. 5).

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