



Spring 2011

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 2010 and we look forward to seeing you at Flora Group events during 2011.

This year our Annual General Meeting (AGM) will be held at Mottisfont on Saturday 4 June 2011. If you are interested in joining the Flora Group committee, please let Catherine Chatters (Flora Group Secretary) know prior to the AGM. Catherine's contact details can be found at the end of this newsletter.

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 Catherine.

Reducing the cost of distributing Flora News

As mentioned in the Spring 2010 edition of Flora News the cost of printing and posting paper copies of Flora News is taking up most of our budget. For obvious reasons we need to reduce the cost of distributing Flora News and we would like to send people their Flora News via e-mail in as many cases as possible. If you have already let us know that you are happy to receive your Flora News via e-mail, thank you. We are aware that some people don't have access to e-mail and will need to continue to receive a paper copy.

If you have not already done so, please do let us know how you would like to receive Flora News in the future. Please let Catherine Chatters know via catherinec@hwt.org.uk; if you don't have access to e-mail please drop a line to Catherine at the address given at the end of this newsletter. Thank you.

50th Anniversary of Hampshire & Isle of Wight Wildlife Trust

In November 2010 HIWWT started to celebrate its 50th Anniversary. Special celebratory events will continue to be held during 2011. Flora Group is celebrating the anniversary during special Wildflower Walks to nature reserves at Roydon Woods, Crab Wood, Old Burghclere Lime Quarry and Noar Hill. Full details are given in this newsletter.

If you are not already a member of HIWWT, why not help to celebrate the 50th Anniversary of the Trust by becoming a member? As well as receiving the Trust's magazine and events diary, you will also be contributing to the important work of the Wildlife Trust which is looking after our wonderful wildlife and landscapes in our two counties.

If you would like to join the Hampshire & Isle of Wight Wildlife Trust please contact our membership team on 01489 774400 or visit our website for further details: www.hwt.org.uk

New date for joint BSBI / Flora Group exhibition meeting at Testwood

It was a great shame that we had to cancel the joint BSBI / Flora Group meeting scheduled for Saturday 4 December but the seriously icy conditions at Testwood meant it was far too dangerous to allow access to the Centre, by car or on foot. The decision to cancel the event was made at 8.45 am that morning as conditions had seriously deteriorated since the previous evening. What had been mainly snow the previous evening had turned to a treacherous ice rink following the rain and freezing temperatures during the night. Sincere apologies to those people who turned up at Testwood only to discover that the event had been cancelled. The organisers immediately tried to contact as many people as possible to let them know of the decision to cancel but we know that a few people arrived at Testwood without them knowing about the cancellation.

As it would be such a pity not to have our annual winter get-together, a new date has been chosen for our joint BSBI / Flora Group event. Please put the new date in your diary – Saturday 12 February 2011 - and see below for full details.

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 12 February 2011, 11am – 4pm
Flora Group / BSBI Exhibition Meeting
Testwood Lakes Centre, Totton, SU 345155

As we had to cancel our traditional winter get-together / social event originally scheduled for 4 December 2010, we will now meet up on Saturday 12 February 2011. Please bring along cakes and other goodies to eat, or sandwiches for us to share, plus your specimens, photos, material for display boards, and any other botanical talking point. This is a splendid informal event for meeting others interested in Hampshire's wildflowers. A digital projector will be available, so please can you bring a few digital photos to show us (but only British plants and preferably species found in Hampshire!).

If you don't wish to talk about your photos then please at least bring a few prints of photos (or pressed specimens) that you can put on the display tables – ideally annotated with where the photo was taken. Failing that, bring a few biscuits etc and help us munch them!

Testwood Lakes Centre is reached from Brunel Road, a turning off the A36 at a roundabout between Totton and Ower. After entering Brunel Road, look for a small turning on the left after the block of industrial units. Go along this track, ignoring the first (public) car park, until the Centre comes into view above the lake. There is plenty of parking there.

Contact: Tony Mundell 01252 614516.

Thursday 5 May 2011, 6pm
Crab Wood
HIWWT 50th Anniversary Wildflower Walk
Leader: Martin Rand



Meet in the County Council car park at SU 433 292. From there we shall walk to the reserve on the far side of Sparsholt Road to look at woodland

Spring flowers. After the walk rendezvous at The Plough, Sparsholt for those who feel like it.

Contact: Martin Rand 07531 461442

Tuesday 17 May 2011, 6pm to 7.30pm
Old Burghclere Lime Quarry
HIWWT 50th Anniversary Wildflower Walk
Leaders: Sarah Ball and Peter Billinghamurst

Join Sarah Ball and Peter Billinghamurst for a tour round this nature reserve as part of a series of events to celebrate the 50th anniversary of the Wildlife Trust. Fly Orchids should be appearing at this time and other late Spring flowers. Meet at 6pm at the farmyard at grid reference SU 469577, where cars may be parked. The farmyard is just south of the road between Old Burghclere and Kingsclere, about 1km from the junction with the old A34 (which runs very close to the modern road). At a very sharp bend in the road, turn south onto a small cul-de-sac and the farm yard is about 200m on the left. For those who wish, we can go on to a local pub to eat after the tour. **Queries** to Sarah on 01635 297367 or Peter on 01264 736359.



Wednesday 18 May 2011, 10.30am – 3.30pm
Burnt Common sand quarry
Leader: Tony Mundell

This meeting is by booking only through Tony Mundell. Details about the meeting place will be provided on booking. The area is still a working quarry so visitors need to be checked in and out, and to wear safety kit. Following on from earlier quarrying, there are large areas in the early stages of succession back to heathland. We will explore these areas and look in particular for spring ephemeral plants. Bring a packed lunch.

Contact: Tony Mundell 01252 614516.

Saturday 21 May 2011
Dur Hill, near Burley
Leader: Martin Rand

This meeting is the first of a pair in 2011 to record in a tetrad (SU10V) in the south-west of the New Forest. Hectad SU10 has not been as well-recorded in the last 10 years as some other parts of the Forest, and some of the records of notables are not well localised. The meetings will help to rectify this and will contribute to the BSBI Atlas updating project.

The tetrad contains substantial tracts of heathland and mire with a rich flora.

Target species of note across the two visits include *Callitriche brutia*, *Carex montana*, *Dactylorhiza incarnata* subsp. *pulchella*, *Deschampsia setacea*, *Eleocharis quinqueflora*, *Euphrasia officinalis* subsp. *anglica*, *Galium constrictum*, *Gentianella campestris*, *Gymnadenia borealis*, *Hammarbya paludosa*, *Littorella uniflora*, *Moenchia erecta*, *Parentucellia viscosa*, *Persicaria minor*, *Pinguicula lusitanica*, *Pulmonaria longifolia*, *Schoenus nigricans*, various *Trifolium* spp., and *Viola lactea*.

Other New Forest specialities likely to be seen include *Centunculus minimus*, *Cicendia filiformis*, *Euphrasia micrantha* and hybrids, *Genista anglica*, *Gentiana pneumonanthe*, *Lycopodiella inundata*, *Osmunda regalis*, *Pilularia globulifera*, *Radiola linoides*, *Rhynchospora fusca* and *Sanguisorba officinalis*.

Most of the tetrad is remote from roads, and participants should expect some moderate stretches of rough and wet walking. The meeting is a joint national BSBI / Flora Group event, and numbers will be limited to 20 on each trip. Priority will be given to those booking for both trips by 31 March, to provide continuity in the recording effort. Bookings by post to Martin Rand, 21 Pine Road, Chandlers Ford, Eastleigh, Hampshire SO53 1LH or by email to vc11recorder@hantsplants.org.uk.

Saturday 4 June 2011, 10am
Mottisfont Estate (including Flora Group AGM)
Leader: Martin Rand

This meeting is to explore parts of the National Trust's Mottisfont Estate not readily accessible to visitors. It will include visits to a wetland restoration area close to the Test, and to areas of woodland. Please bring a packed lunch. During the lunch break we will hold our traditionally brief and informal AGM. Meet at the main National Trust car park for Mottisfont Abbey, SU328267. Please park at the right-hand end of the car park, away from the house, and congregate by the map and notice board on the north side of the car park near the start of the estate circular walk (SU3283 2687).

Contact: Martin Rand 07531 461442

Sunday 5 June 2011, 11am
West Wight Heaths, Isle of Wight
Leader: Clive Chatters

Meet at the Yarmouth ferry terminal at 11am. We will be visiting the recently restored species-rich heaths between Newtown and Yarmouth. Depending on the weather and enthusiasm, this 7km round trip can be shortened by taking the regular bus to 'The Horse and Groom' at Ningwood. Species to search for include pillwort and pale dog violet in rich clay heathland reminiscent of the Headon Beds of the New Forest. Anyone arriving early can enjoy the excellent Norton Spit at the mouth of Yarmouth Harbour.

Contact: Clive Chatters clivec@hwt.org.uk Mobile: 07770 923315



Tuesday 7 June 2011, 6pm
Roydon Woods
HIWWT 50th Anniversary Wildflower Walk
Leader: Clive Chatters

A brisk 2km walk to the nicest area of coppice to see late woodland flowers including bastard balm. Meet and park at SU 305 004. This location is quite convenient for the Brockenhurst train. The Filly Inn is comfortably near where we park. Contact: Clive Chatters via e-mail on clivec@hwt.org.uk

Tuesday 14 June 2011, 10am – 3pm
Conservation task to pull Himalayan balsam 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 Lymington River. This non-native invasive plant was introduced to the UK as an ornamental but has 'jumped the garden fence' and become established in the countryside. Luckily it can easily be pulled-up. Come and join forces with the

Friends of Lepe Conservation Volunteers to help pull up 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

Wednesday 15 June 2011, 10am – 3pm
Conservation task to pull Himalayan balsam at Boldre Bridge in the New Forest
Leader: Catherine Chatters

Come and help another of our Flora Group members by pulling up Himalayan balsam on her land along the Lymington River. The banks of this beautiful river are 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. The Manager of the Red Lion has kindly let us park our cars in the field to the rear of the pub car park. 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

Wednesday 22 June 2011, 6pm – 9pm
The Hatch, adjacent to Mapledurwell Fen
Leader: Tony Mundell

This is an evening meeting aimed at a botanical survey of land close to Mapledurwell Fen where the Hants & IOW Wildlife Trust is aiming to restore fen habitat. A few years ago an area of rough grassland was stripped of soil down to the underlying peat, and hay cut from Mapledurwell Fen was spread there. We want to find out what plants are now colonising. Meet beside Greywell Road SU6780 5525, just south of the junction of this minor road and the A30. Parking is probably available at Conkers Garden Centre SU6774 5232 at that junction. We will also pay a brief visit to Mapledurwell Fen with its rich fen flora.
Contact: Tony Mundell 01252 614516.



Wed 29 June 2011, 6pm – 8pm
Noar Hill, near Selborne
HIWWT 50th Anniversary Wildflower Walk
Leader: Tony Mundell

An evening stroll to enjoy the display of orchids and other flowers, starting at 6pm at the road verge near Charity Farm SU737321. After the walk rendezvous at The Selborne Arms pub in Selborne for those that fancy it.
Contact: Tony Mundell 01252 614516.

Sunday 3 July 2011, 10.30am - 4pm
Ashford Hill Meadows
Leader Tony Mundell

Park and meet at the Recreation Ground car park, on the SW corner of Chapel Lane, Ashford Hill SU5554 6213. Chapel Lane is a U-shaped lane having two junctions with the main road, and just SW of the Ship Inn.

Ashford Hill Meadows has a very rich flora. Amongst other 'goodies' we should see *Cardamine amara* (Large Bitter-cress), many different sedges, *Genista tinctoria* (Dyer's Green-weed), *Hottonia palustris* (Water-violet), *Oenanthe fistulosa* (Tubular Water-dropwort), *Orobanche rapum-genistae* (Greater Broomrape), *Pedicularis palustris* (Marsh Lousewort) and *Stellaria palustris* (Marsh Stitchwort).

We should also try to re-find *Taraxacum akteum* found by Lady Anne in May 1989 in SU5662. According to the grand bible of Sell & Murrell (2006) as well as the BSBI Dandelion Handbook (1997), when first identified this species only known from Ashford Hill Meadows and a slightly saline meadow in the Netherlands, though it has since been found in several other counties.
Bring a packed lunch or have a meal at the Ship Inn.
Contact: Tony Mundell 01252 614516.

Sunday 17 July 2011, 10.30am - 4pm
Joint meeting with Plantlife surveying Westover Farm, Goodworth Clatford
Leaders: John Moon & Dominic Price

The aim is to survey arable field margins and other habitats at the invitation of the farmer. Meet in the farmyard at SU363407 (post code SP11 7LF). Previous recent surveys here have found such goodies as *Anthemis cotula* (Stinking Chamomile), *Euphorbia exigua* (Dwarf Spurge), *Fumaria densiflora* (Dense-flowered Fumitory), *Hyoscyamus niger* (Henbane), *Papaver argemone* (Prickly Poppy) and *Silene noctiflora* (Night-flowering Catchfly).
Bring a packed lunch.
Contact: John Moon 01264 710123

**Sunday 31 July 2010, 10.30am – 4.30pm
Hamble**

Leader: Martin Rand

Hamble Common and the nearby coast hold a wide range of habitats, including fragmentary coastal heath and scrub, Oak / Holly / Birch woodland, grassland, soft cliff, vegetated shingle and saltmarsh. Don't come expecting any great rarities, but this is a good chance to familiarise yourself with a wide range of plants if you are a relative beginner, and to participate in updating records whatever your level. Persons of more exalted status will be persuaded to look out for coastal ecotypes of some common plants.

Meet at the car park by the coast on the southern edge of Hamble Common, SU483058. Head down the B3397 to Hamble; when approaching the village centre turn right into Copse Lane, signposted "Hamble Common". Continue past the car park on the L marked "Long Stay" and park in the car park overlooking the shore on the R, just before the marina entrance.

The morning will be spent close by, and the latter part of the afternoon will involve a rather longer walk (about 3km in all) along the coast towards Hound and Netley.

Martin's contact email:

vc11recorder@hantsplants.org.uk, phone number: 07531 461442.

**Sunday 7 August 2010
Square-bashing, North Hampshire
Leader: John Norton**

In the last newsletter (Autumn 2010) Tony Mundell highlighted the fact that several 10km squares in Hampshire are poorly recorded, by virtue of their relatively low species totals. We will meet at one such square in the southern part of his Vice-county for a bit of square-bashing. The venue will be decided nearer the time and full details will be provided in the Summer newsletter.

Contact: John Norton, john.norton01@ntlworld.com tel. 023 9252 0828 / 07892 257746

**Sunday 14 August 2011, 10.30am – 4pm
Remarkable mixture of plants at Thruxton
Leader: Tony Mundell**

Park and meet at SU2762 4492 on the minor perimeter track south of Thruxton Airfield & Motor Racing Circuit, just N of the A303. This site has large quantities of introduced and disturbed soil and has a bizarre range of mainly alien plants, including many originally of garden origin. Following on from a successful visit in 2010 we

will explore other similar areas nearby. Bring a packed lunch.

Contact: Tony Mundell 01252 614516.

**Saturday 20 August 2011
Dur Hill, near Burley
Leader: Martin Rand**

This meeting is the second of a pair in 2011 to record in a tetrad (SU10V) in the south-west of the New Forest. For details see 21 May.

Most of the tetrad is remote from roads, and participants should expect some moderate stretches of rough and wet walking. The meeting is a joint national BSBI / Flora Group event, and numbers will be limited to 20 on each trip. Priority will be given to those booking for both trips by 31 March, to provide continuity in the recording effort. Bookings by post to Martin Rand, 21 Pine Road, Chandlers Ford, Eastleigh, Hampshire SO53 1LH or by email to vc11recorder@hantsplants.org.uk.

**Sunday 18 September 2010, 10.30am
Cotoneasters, Portsdown Hill
Leaders: John Norton and Martin Rand**

With the publication of Jeanette Fryer's book in 2009 and a useful vegetative key in 'Poland & Clement', Cotoneasters are becoming a little more easy to name, even though the number of potential species in the wild in Britain is bewildering. We hope that Jeanette will be free to come along to the meeting to provide some guidance. Meet at the car parking area on the west side of Fort Widley, SU653065. If travelling on the M27 come off at J12 (Cosham) and go straight over at the large and confusing traffic-lighted junction. Follow the road towards Cosham for nearly a mile, turn left at the roundabout onto the A3, first left onto Southwick Hill Road and right at the roundabout at the top of the hill. The entrance road to the car park is a quarter mile on the left.

Contact: John Norton, john.norton01@ntlworld.com tel. 023 9252 0828 / 07892 257746

Reports of Recent Events

South Hayling on 16 May 2010

A report by John Norton and Debbie Allan

Only six Flora Group regulars turned out for this meeting; the numbers possibly being reduced due to cool temperatures and windy conditions. However, it was a very rewarding visit with more than 170 species recorded, all in a relatively small area of consolidated sand and shingle habitat around the Beachlands funfair and car parks. We recorded most of the characteristic specialised species of these habitats, many of course uncommon or rare in Hampshire, such as Sea Bindweed *Calystegia soldanella*, Little Mouse-ear *Cerastium semidecandrum*, Bulbous Meadow-grass *Poa bulbosa* and Lyme Grass *Leymus arenarius*. We also found plentiful Heath Pearlwort *Sagina subulata*, Mossy Stonecrop *Crassula tillaea* and a range of maritime clovers, including the nationally scarce Suffocated Clover *Trifolium suffocatum*. Other good finds during the day included a single spike of Green-winged Orchid *Orchis morio* (a new tetrad record), several small patches of Fiddle Dock *Rumex pulcher* and Narrow-leaved Meadow-grass *Poa angustifolia* (probably the first Hayling record for this overlooked grass).

We also recorded the first Hayling record for the naturalised garden plant Seaside Daisy *Erigeron glaucus* and the second record for Sea Buckthorn *Hippophae rhamnoides* (only a single bush, possibly planted - thankfully not yet a problem here as it is on some sandy beaches in the UK).



Green-winged Orchid *Orchis morio*, South Hayling, 16 May 2010 (Debbie Allan)

In a shrub container near the funfair entrance we also saw Long-headed Poppy *Papaver dubium* (new tetrad record) and nearby on the verge outside the public toilets, Small-flowered Crane's-bill *Geranium pusillum* (only one previous Hayling record in the MapMate database) and

Pellitory-of-the-Wall *Parietaria judaica*. The latter species is common on old, sunny walls where we live in Gosport, but surprisingly this seems to be the first Hayling record.



Mossy Stonecrop *Crassula tillaea*, South Hayling, 16 May 2010 (Debbie Allan). Close-up showing the intense crimson-coloured fleshy leaves (this patch is only about 10cm across).



Bulbous Meadow-grass *Poa bulbosa*, South Hayling, 16 May 2010 (Debbie Allan). The compact spike is not immediately recognisable as a *Poa*, but the keeled glumes and lemmas are characteristic of most members of the genus.

Flora Group Visit to Mopley on 19 June 2010 A report by Neil Sanderson

The aim of this meeting was to explore the Stanswood valley below Mopley, with 12 people attending and led by Neil Sanderson. The valley is a valley mire on the North Solent National Nature Reserve on the Cadland Estate. It had been little explored, but the indomitable Paul Bowman had recorded there and I had carried out vegetation mapping in the late 1980s, after Paul's visit. At this time grazing had just been restored and a fantastic array of base rich fen to acid bog vegetation was found. Somewhat to my shock, in a visit in 2008 to check up on an interesting bryophyte record made during my first visit, I found that the grazing had lapsed and the fen and bog were very over grown and being tree invaded. Fortunately enquires revealed that plans to restore cattle grazing were well under way. This summer we started from Badminton Lane and walked through some heathland where grazing has been restored for a long time. An area of this heath had been used to stack pipes many years ago, when Pale Dog-violet *Viola lactea* appeared on disturbed ground in what had been tall gorse. At first sight this area was now over grown again by brambles but exploring found areas of short, grazed, open, ephemera-rich disturbed ground maintained by the grazing, which dually turned up both *Viola riviniana* x *lactea* and *Viola lactea* along with some tiny late flowering plants of Bird's-foot Clover *Trifolium ornithopodioides* and, unexpectedly, Sand Sedge *Carex arenaria*.

Reaching the mire, a remarkable transformation was found from 2008; grazing had been reinstated and high quality fen had been restored very rapidly. The base of the valley is fed by quite base rich water and supported a rush and sedge dominated rich fen vegetation, which is quite unusual in this area. Blunt-flowered Rush *Juncus subnodulosus*, a scarce species in south west Hampshire, was locally frequent along with Brown Sedge *Carex disticha*. One tall Yellow Rattle *Rhinanthus* growing in the sedgy fen caught our attention and was duly keyed out as the fen specialist *Rhinanthus minor* subsp. *stenophyllus*, a new taxon to me. There were lots of large yellow sedges but these were all found to be *Carex demissa* and not *Carex lepidocarpa* as hoped. The marsh orchids were more productive, with small specimens among the frequent *Dactylorhiza praetermissa*, being decided to be *Dactylorhiza praetermissa* x *traunsteineri*, although no convincing *D. traunsteineri* was found. Within the tall base rich fen were short patches of low productivity fen with frequent *Triglochin palustre* Marsh Arrowgrass along with Marsh Cinquefoil *Potentilla palustris* on a rich "brown moss" mat. Here two declining fen specialist mosses have large populations: *Calliergon giganteum* and *Philonotis calcarea*. The latter has its biggest

Hampshire population, and probably southern English population here. Nothing as rare was found in the vascular plant flora but an impressive habitat. The slopes and side valleys are marked by much more acid water rising higher on the slopes and the mire grades in to poor fen and then bog here adding species such as Round-leaved Sundew *Drosera rotundifolia* and Bog Asphodel *Narthecium ossifragum*. At the eastern end of the open ground the visual climax was a Royal Fern *Osmunda regalis* clump of immense width, at least as wide as a car.

We finished off the day by feeling our way through some wet woodland developed over a 18th century mill pond and then walking back to Badminton Common. A brief look at a known base rich flush within the heath produced Flea Sedge *Carex pulicaris*, surprisingly not seen in the main fen and, on a hummock, the scarce Bog Moss *Sphagnum molle*, a new record for this area. A nearby dry grassland produced more *Viola lactea*. Finally back near the cars a disturbed edge to the adjacent mineral working attracted attention with a population of Common Cudweed *Filago vulgaris* but it was sometime until the late survivors of a Mossy Stonecrop *Crassula tillaea* colony were noticed!

An enjoyable day botanising, with some effective habitat restoration seen. The base rich mires will certainly deserve another look as the restored vegetation matures.

**Brambles, Badminton and Blackwell
Commons with David Allen on
20 June 2010
A report by John Norton**

This meeting was co-organised with Southampton Natural History Society and was held on a pleasantly sunny day, which provided the perfect conditions for looking at brambles. This was the fifth such meeting that David Allen has led in the last five years and he enthusiastically as ever led us around the two commons telling us about the features of importance for *Rubus* identification and some background on their distribution and ecology. Unfortunately at the time of writing I have not had time to confirm with David the full list of species seen (please e-mail if you would like a list). Highlights of the day were the Hampshire rarities *Rubus altiarcuatus*, *R. questieri* and *R. rilstonei*, all western species which David had discovered here on past visits. We also saw a selection of the interesting Subsection *Rubus* group (formerly Section *Suberecti*) which have quite distinctive-looking shiny leaflets and rounded, often cupped petals.

Email: john.norton01@ntlworld.com



***Rubus divaricatus*, Blackwell Common 20 June 2010
(John Norton). A member of Subsection *Rubus*, a
fairly common species in the New Forest.**

**Visit to Aldersbrook, Headley on
25 July 2010
A report by Tony Mundell**

This meeting was slotted into the programme too late to be advertised in Flora News. Instead Sarah Ball emailed several Hants Flora Group members to request help with surveying some land where the Trust is advising on management. A comprehensive plant (and butterfly) list was produced, but my personal interest was in trying to re-find *Epipactis muelleri* [= *E. leptochila*] (Narrow-lipped Helleborine) that had been reported in this area growing with *Epipactis helleborine* (Broad-leaved Helleborine) and *E. phyllanthes* (Green-flowered Helleborine) by Martin Jenkinson, and recorded in his book 'Wild Orchids of Hampshire and the Isle of Wight', published in 1995.

On arrival we found a shady lane that had been planted with many Lime trees. These were mostly the common hybrid *Tilia x europaea* (Lime) but some seemed to pass as *T. platyphyllos* (Large-leaved Lime). In one area beneath these Limes we found *Epipactis purpurata* (Violet Helleborine) and nearby *E. helleborine*. There were also two plants not yet in flower that I decided to return to a few weeks later (but on this return visit they were seen to be *E. helleborine*).

The area had several different habitats, adding to the plant diversity. There were several meadows; one gave us *Silvaum silaus* (Pepper-saxifrage) another had *Glyceria declinata* (Small Sweet-grass) but the richest had *Carex pallescens* (Pale Sedge), *Lychnis flos-cuculi* (Ragged-robin) and *Achillea ptarmica* (Sneezewort). A stream bank added *Elymus caninus* (Bearded Couch)



***Rubus questieri*, Blackwell Common 20 June 2010
(John Norton). Showing the distinctive bronzy tinge
to the young foliage.**

and a damper area had *Chrysosplenium oppositifolium* (Opposite-leaved Golden-saxifrage) and *Scirpus sylvaticus* (Wood Club-rush). It was interesting to see *Chenopodium bonus-henricus* (Good-King-Henry) thriving close to the owner's house, though this had originally been planted as a pot-herb.



Mystery Epipactis at Headley, photo Clive Chatters

We found a curious *Epipactis* that puzzled all of us. It did not quite match *E. muelleri* but had very pale green flowers with the epichile (the lower petal lip) somewhat pointed and not so recurved as most plants of *E. helleborine*. Much correspondence later ensued about this plant and I

have included a photo of it taken by Clive Chatters. The BSBI *Epipactis* Referee, Prof. A J Richards thought it was *E. x schulzei*, the hybrid between *E. helleborine* and *E. purpurata*, but he did not sound very convinced. A small group of us returned a few weeks later and Gareth Knass invited along a friend of his, Sean Cole, who seemed very knowledgeable about *Epipactis*. Only a few metres away from the original mystery *Epipactis* we found another plant that was going over, and I was convinced was the same as the previous one (though there is the possibility that they were not the same). I have included a photo of it that I took. Sean named it as *E. helleborine* var. *viridiflora* Irmisch syn. var. *chlorantha* Vermeulen as described in Derek Turner Ettliger's books 'Illustrations of British and Irish Orchids' and 'Notes on British and Irish Orchids' published privately in 1998 and 1997 respectively. Sean tells me that this taxon is also mentioned in 'Orchids of Britain and Ireland', by Anne & Simon Harrap, published 2009.



Later mystery Epipactis at Headley, photo ARGM

Visit to New Forest Inclosures on 7 August 2010 A report by Martin Rand

For this meeting we were joined by members of the British Pteridological Society, the main aim of the trip being to study and record Male-ferns and Buckler-ferns (*Dryopteris* species); but we were also able to enjoy some of the other woodland fern species that thrive in the humid depths of these woodlands.

First stop was at South Oakley Inclosure (SU2205), where we made a bee-line for a small dark valley which is one of the great fern sights of the area, with head-high groves of Golden-scaled Male-fern (*Dryopteris affinis* subsp. *affinis*) making a magnificent show. Around the fringes there were a few Borrer's Male-fern (*Dryopteris borrieri*); otherwise this stand was rather uniform, although a few puzzling specimens were collected for expert determination. Here we also recorded Broad Buckler-fern (*Dryopteris dilatata*) and Narrow Buckler-fern (*Dryopteris carthusiana*), but without finding any convincing hybrids between the two; and good patches of Lemon-scented Fern (*Oreopteris limbosperma*).



Flora Group members in South Oakley Inclosure on
7 August 2010

From here we route-marched along forestry rides to Beech Bed Inclosure (SU2206 / SU2306), where our objective was one of the Forest's scattered populations of Hay-scented Buckler-fern (*Dryopteris aemula*). This proved to be in excellent shape, growing in quantity along wood drains and around root-plates in an area over 100 metres across. We lunched in this remote spot, enjoying the peace, and Richard Reeves showed us the mortal remains of the rare fungus *Hydnellum spongiosipes*. There was also plenty more Lemon-scented Fern to appreciate. While ferns dominated the

day, on the way back to our cars we were able to take in a very strong population of Tormentil (*Potentilla erecta*), Trailing Tormentil (*Potentilla anglica*), and the largely sterile hybrid between them (*Potentilla x suberecta*).

For the rest of the afternoon we moved to Highland Water Inclosure (SU2408 / SU2508), to see how the less celebrated of Hampshire's two populations of Beech Fern (*Phegopteris connectilis*) was faring. It is much less abundant here than at Wood Crates, but one good patch of about 4m x 2m was noted in the combe bottom, and again there was plenty of Lemon-scented Fern. Both *Dryopteris affinis* and *D. borrieri* were recorded here. Populations of the Golden-scaled Male-fern group seemed to be much more variable in this area, but unfortunately time did not permit a very detailed examination. It will be worth revisiting.

Visit to Noar Hill for roses on 5 September 2010 A report by Tony Mundell

Paul Stanley came from his home on the Isle of Wight to lead this meeting, which was mainly to look for the various roses growing at Noar Hill. Roses can be a bit difficult to identify as they hybridise so freely. It is difficult to get familiar with the pure species because they are often outnumbered by a confusion of hybrids. To complicate things further a rose hybrid tends more towards the appearance of its female parent than to the male parent, so *Rosa canina* (female) x *micrantha* (male) does not look the same as the reciprocal hybrid.

Paul tried to guide us through this minefield, steering us to interesting/puzzling bushes while I snipped off specimens to send to Roger Maskew, the BSBI *Rosa* Referee. I have listed the roses we saw in the VC12 Records section at the end of this newsletter. We started with *R. arvensis x canina*, the hybrid between the commonest two species (by far) in Hampshire. Nearby we saw *R. stylosa x canina* which is more frequent than pure *R. stylosa* in Hampshire. *R. micrantha* is positively abundant at Noar Hill, so Paul demonstrated its characters, and also showed us *R. micrantha x canina* and *R. micrantha x rubiginosa*, the latter showing a few of the characteristic acicles (small needle-like thorns) of *R. rubiginosa*.

We paid our respects to the single bush of the rare hybrid *R. x belnensis*, between *R. canina* and *R. agrestis*. Pure *R. agrestis* used to be known at Noar Hill and I suspect it is still hanging on somewhere. On leaf characters Paul did indicate a contender at SU73998 31923 but it is too immature to fruit and so cannot be positively identified yet. A bush with almost spherical large hips and purple/red stems was suggested as a possible *R. canina x arvensis*, but the specimen was

determined by Roger Maskew as *R. x dumalis*, the hybrid between *R. canina* and *R. caesia*.

Apart from the roses, we occasionally diversified. It was good to see *Tetragonolobus maritimus* (Dragon's-teeth) still in flower. This benign and attractive alien has been known at Noar Hill since at least 1970 and still persists in two spots. Martin Rand pointed out *Euphrasia pseudokernerii* and also *Euphrasia nemorosa x confusa*, whilst a few flowering *Spiranthes spiralis* (Autumn Lady's-tresses) were also noted.

Before leaving Noar Hill we managed to re-find *R. canina x obtusifolia* near the northern reserve entrance gate, we then drove off to Selborne for a walk up to Selborne Hill. Walking en-route we saw a splendid roadside bush of the native *Berberis vulgaris* (Barberry) covered in red fruits, though it was close to gardens and probably planted. Near that we re-found *R. rubiginosa x canina* and after a steep climb, we reached known bushes of *R. micrantha x rubiginosa* and *R. stylosa x arvensis*, the latter climbing to about 5.5m. Here there was a curious tree of *Acer campestre* (Field Maple) with almost every leaf having only three lobes instead of the usual five.

My thanks go to Paul for enabling us to add, or update, records of many roses.

Visit to Keyhaven and Pennington Marshes on 11 September 2010 – A report by Martin Rand

This meeting was to enjoy the coastal marshes of the Keyhaven area in early autumn, and in particular to look at members of the family Amaranthaceae, which now includes Goosefoots, Oraches, Glassworts and their relatives as well as the more exotic Amaranths and Pigweeds. This is a family that many people prefer to pass by, with their usually uncolourful flowers and identification problems, but up close they reveal many strange and interesting, even attractive, features.

We started from Keyhaven under the wing of Pete Durnell, the County Council warden for the Keyhaven-Lymington Nature Reserve, who quickly led us into a small brackish marsh on the east side of the harbour. Here we were immediately able to examine some of the common members of the family such as Spear-leaved Orache (*Atriplex prostrata*) and Sea Beet (*Beta vulgaris* subsp. *maritima*) as well as fine stands of the coastal Umbellifers Wild Celery (*Apium graveolens*) and Parsley Water-dropwort (*Oenanthe lachenalii*).

From here we entered the grazing marsh, not usually accessible to visitors, and soon, around a watering-place for the stock, we were able to compare two

Goosefoots: the widespread Red Goosefoot (*Chenopodium rubrum*) and, growing with it, the much rarer and rather attractive Oak-leaved Goosefoot (*Chenopodium glaucum*). As we made our way towards the large saline lagoon to the east, winding amongst the ditches, banks and mounds of the old saltings, we could enjoy numerous other species of damp and dry coastal grassland, including a good range of sedges: Prickly Sedge (*Carex muricata* subsp. *pairae*), Spiked Sedge (*Carex spicata*), False Fox-sedge (*Carex otrubae*), Oval Sedge (*Carex ovalis*) and Dotted Sedge (*Carex punctata*); also Sea Club-rush (*Bolboschoenus maritimus*), Common Spike-rush (*Eleocharis palustris*), and Grey Club-rush (*Schoenoplectus tabernaemontani*).

The lagoon is a remarkable sight, more closely resembling some of the salt flats of the Mediterranean than a typical English saltmarsh. Here a limited range of plant species grows in great abundance, freed from competition by the harsh saline conditions. Most spectacular at this time of year are the sheets of deep crimson Purple Glasswort (*Salicornia ramosissima*), but equally notable was the big population of Oak-leaved Goosefoot. We were also able to identify Common Glasswort (*Salicornia europaea*) and Yellow Glasswort (*Salicornia fragilis*), which are not usually found behind the sea-wall.

Pete left us at lunch-time, which was taken on the old track down to the jetty on Pennington Marshes. Just before the jetty the short turf provided us with several of the smaller Clovers, some enjoying a Mediterranean-style autumn flowering, and we were also able to add Distant Sedge (*Carex distans*) to our sedge list.

We spent the afternoon returning along the coast, where the high tide limited our activities on the salt-marsh. Nevertheless we were able to study several more members of our target family, including Babington's Orache (*Atriplex glabriuscula*), Grass-leaved Orache (*Atriplex littoralis*), Sea-purslane (*Atriplex portulacoides*), Long-spiked Glasswort (*Salicornia dolichostachya*), Perennial Glasswort (*Sarcocornia perennis*) and Annual Sea-blite (*Suaeda maritima*). Sadly the little sandy strand in a bay of the sea wall that in 2009 supported a few plants of the Frosted Orache (*Atriplex laciniata*) had washed away. But we were also able to look at Beaked Tasselweed (*Ruppia maritima*) in the borrow-pit, and on the edges of one stretch of pit was a *Salicornia* that might just be a first British record for *Salicornia obscura* subsp. *rubescens*, a taxon that is probably of hybrid origin between Glaucous Glasswort (*S. obscura*) and Purple Glasswort. But Glaucous Glasswort is a tricky plant at the best of times, living up to its scientific name, and this requires confirmation.

We are grateful to Pete for making himself and his marshland available to us for the day. A set of notes on Amaranthaceae identification and the family in

Hampshire, which was provided to participants on the day, can be downloaded from the Hants Plants web site <http://hantsplants.org.uk> (look under 'Articles and Papers').

Visit to Thruxton on 10 Oct 2010 A report by Tony Mundell

I wrote an article about this remarkable site in BSBI News, January 2010. It was first brought to my attention by Miles Hodgkiss who continues to turn up surprising plants there. Basically the area is used by the firm Earthline to process soil and builder's rubble for resale. A constant supply of topsoil and building debris is being brought in from far and wide, then dumped prior to reprocessing. The areas left for a year or two support an amazing collection of plants, mainly garden annuals or 'weeds' but also a sprinkling of rare natives, evidently taken from diverse habitats like cornfields or river banks. This makes for some surprising bedfellows. Where else could you find *Fumaria densiflora* (Dense-flowered Fumitory) growing near *Myosoton aquaticum* (Water Chickweed) and a flowering *Citrus lanatus* (Water Melon)?

I got Eric Clement to visit the site in 2009 and with his help added 17 extra species to the VC12 list. All of these were garden plants of no conservation significance, but it was certainly great fun seeing what we could find. For the visit in 2010 there was a splendid turn out of members in spite of the location being tucked away in the extreme NW of the county. Armed with the likes of Martin Rand, John Poland, Eric Clement and even Ian Denholm from Hertfordshire, we made a splendid list of the more uncommon plants, adding a further 12 new species for VC12. There were so many surprises that it is difficult to know where to start. I will just list some alphabetically omitting the English names to save space: *Abutilon theophrasti*, *Apium graveolens* var. *dulce*, *Cerinth major*, *Cerinth minor*, *Chaenorhinum organifolium*, *Citrullus lanatus*, *Cucumis melo*, *Euphorbia myrsinites*, *Guizotia scabra*, *Leonurus cardiaca* and *Saponaria ocymoides*. Eric confirmed the *Guizotia scabra* and thought it was probably the first British record for it.



HFG members at Thruxton, photo ARGM

We were all fooled into thinking we had found the rarity *Torilis arvensis* (Spreading Hedge-parsley) but later, after careful examination of our photos those plants were proved to be compact rabbit-cropped examples of ordinary *Daucus carota* (Carrot). We were also very puzzled by a *Hypericum* which had evidently not read the books. Initially I was willing to call it the hybrid *H. x desetangsii* but it was 'not really right' and the wiser amongst us decided it was *H. perforatum* but without its characteristic 'perforations' (actually transparent oil glands) – see the splendid photo sent to me by Jan Blizzard, of us puzzling over it.



4 unwise men, photo Jan Blizzard

This site is such fun that I have fixed another visit in 2011 (see Forthcoming Events), when I hope to also visit an adjacent area where Earthline have built up the race-track perimeter banks with tipped soil.



Abutilon theophrasti at Thruxton, photo ARGM



Guizotia scabra at Thruxton, photo ARGM

**Conservation work-party for Red-tipped
Cudweed on 11 Nov 2010
A report by Tony Mundell**

For very many years this has been an annual event, lightly disturbing the soil surface, allowing seeds of the annual extreme rarity *Filago lutescens* (Red-tipped Cudweed) to germinate. Without this disturbance we will certainly eventually lose one of Hampshire's rarest plants. Interest in helping with a bit of spade & fork work has flagged over the years, and each year I fear nobody will turn up. Luckily I had one helper this year (our insurance forbids lone working).

Rachel Arden came all the way from Southampton, driving all the way in non-stop rain. What an angel! The rain just about stopped as she arrived, and within a couple of hours we finished the task. Perhaps next year the encroaching brambles and scrub should be cut back, but at least I am confident that a few plants will re-appear, buying more time before the site can be better managed. One day I would love to get a petrol-driven garden 'rotovator' in there, as originally done by Andy Byfield and me in 1986.

Monitoring Wild Gladiolus (*Gladiolus illyricus*) in the New Forest

Following the very successful conference at Brockenhurst in March last year, a number of the participants and interested parties met up in the Forest in mid-May to carry out a flying survey of several sites that have been studied over recent decades. The aim was to form a quick view of how well *Gladiolus* was faring, and to consider management measures and how their effects should be monitored.

We decided that some sites were best left to themselves, even if they were not strictly optimal for the species; populations were reasonably stable in a complex mosaic of vegetation, and any intervention would be of doubtful benefit. One site, on which bracken cutting is currently carried out annually, was in hearteningly superb condition not only for the *Gladiolus* but for a whole suite of attractive and notable plants that typically form part of its community. In a couple of others it was clear that *Gladiolus* was losing out to heathland and woodland encroachment, almost certainly through attrition of the flushed 'brown earth' soil lenses that favour it. We formed some hypotheses about this, and suggested some limited management experiments that would show whether habitat could be restored under these conditions.

This requires monitoring to ensure that any action is actually beneficial to the *Gladiolus* communities, and not significantly harmful to other Forest wildlife. We shall be drawing up a protocol for this, but this is what it is likely to entail:

- Visiting a managed site a couple of times (spring and summer) each year, over several years;
- Recording the total population of *Gladiolus* at the site;
- Recording flowering success;
- Recording the dominant vegetation of the site;
- Recording the abundance or absence of a short list of indicative 'companion species';
- Recording the height of live bracken at midsummer, and the depth of accumulated bracken litter;
- Taking reference photographs.

The number of sites to be monitored will be very small and the area under management at each will not be huge. We are looking for volunteers willing to spend a couple of days a year, in nice bits of the Forest at nice times of year looking at some of our nicest vegetation. Now how could you resist?

Also we would like to run another 'Domesday' of all the known sites (about 60) on which *Gladiolus* has been recorded, to compare their present state with how they were in the 1970s and 1980s. The New Forest Study Group has done quite a bit of this in past years; but they weren't able to deal with them all, and their resources are now more stretched. It would be good to have a 'blitz' over the next 2-3 years to make sure that each site is visited at least once. Would you like to join in?

If you would like to take part in either of these activities, on however small a scale, please get in touch with Martin Rand, 21 Pine Road, Chandlers Ford SO53 1LH, email vc11recorder@hantsplant.org.uk.

Atlas of the Bryophytes of South Hampshire a note by Neil Sanderson

Rod Stern has followed up his account of the bryophytes of South Wiltshire published in the *Journal of Bryology* with an atlas for south Hampshire. This, however, has been published as a stand alone book. This, usefully, includes a facsimile of Jean Paton's pioneering "Bryophyte Flora of South Hampshire" published in 1961, as well as an atlas type flora, where possible, mapping Jean's 1950s records along with more modern additions in 5 x 5km grid squares with species accounts. There is also a selection of high quality colour pictures of typical species. Over 70 new taxa have been added to the vice-county since Jean Paton's work. There is no analysis of changes since 1960 but browsing through the species accounts suggests that the presence of the New Forest has provided a buffer to the declines often seen in other lowland counties. The book is published by Pisces Publications and is available for £9.95 or less.

New and Interesting Lichens and Associated Fungi from Hampshire 2009 & 2010

a note by Neil Sanderson

This report rolls together two years, as I missed a year due to pressure of work.

Enterographa elaborata Project

The 2009 report left off in the middle of the Natural England funded search for new sites for the internationally rare *Enterographa elaborata* (CR NR BAP). At the end it raised the total of known trees in the New Forest (and hence Britain) from two live Beeches and one standing dead Beech at three sites to 17 live trees in seven sites, along with one dead tree at a site with live trees. Since then I have managed to locate further trees and the total is now 22 live trees in eight sites, along with one dead tree. In several cases, it

appeared likely that there had been relatively recent colonisation from larger established rain track populations into pioneer communities invading wound tracks on nearby trees. This work suggests that the New Forest has a small but viable population of this lichen. Along with the new species found as a by-catch of intensive surveying mentioned in the report on 2009, the newly described widespread oceanic lichen *Anisomeridium robustum* (NS) was identified from material collected from a rain track at James's Hill (SU28 08) and subsequently found at Bignell Wood (SU28 13).

Usnea esperantiana (NT NR IR) is a distinctive *Usnea* with only soredia (powdery clumps of asexual propagules on surface) and no isidia (finger-like asexual propagules) and tightly twisted terminal branches. See www.irishlichens.ie/pages-lichen/l-47.html for good pictures. It is a south western species, which may have been recorded from Queens Bower as *Usnea fulvorenans*, a species not now accepted as occurring in England by Peter James c1978. In August 2009 *U. esperantiana* was confirmed when Andy M Cross and I found two thalli on a Beech branch on the edge of a sheltered glade in pasture woodland, Busketts Wood, New Forest (SU31 11). Subsequently in February 2010, John A Norton found another site on thorn scrub in a green lane, south end of Iley Lane, Keyhaven, VC11, S. Hampshire (SU30 90). This species should be looked out for in south west Hampshire.

Psilolechia clavulifera (NS): an upland species of shaded earth banks, which is turning up more on upturned root plates in the lowlands. This was found, new to Hampshire, in November 2009 on soil on root plate of fallen Beech in pasture woodland, White Moor, New Forest (SU27 05).

Sphinctrina tubiformis (DD NR) is a rarely recorded parasite of *Pertusaria* species (*Pertusaria leioplaca* on trees and *P. pseudocorallina* on rock). The only British record from *Pertusaria leioplaca* was in 1869, when the species was collected by the Rev Crombie from Brockenhurst and had not been seen since then in Hampshire. It was therefore quite a surprise when Andy M Cross and I found it parasitic on *Pertusaria leioplaca*, on trunk of a fallen ancient *Fagus* at what was about 7m up from the ground, in pasture woodland, The Ridge, Busketts Wood, New Forest (SU30 11). See pictures at www.uklichens.co.uk/speciesgallery.html. This was part of a very interesting exercise, systematically recording the lichen flora "up" a fallen Beech.

Multiclavula vernalis (DD NR) is very unusual lichen as it is a lichenised basidiomycete (mushroom), rather than the usual ascomycetes (cup fungi). It has a small orange club-shaped basidiomata rising out of a granular formless green thallus. Previously it was only known on wet peat in northern Scotland but in May 2010

it was found on bare mineral sand created by a tracked vehicle turning, on the south side of the grassy fire-break, in wet heath, Hawley Common, near Yateley (SU83 58), by Alex Cruickshank, Hampshire & Isle of Wight Wildlife Trust Grazing Project Manager. Identified by L. Goodwin and K Waterman and confirmed by B M Spooner. Subsequently given press publicity, mentioning a slight resemblance to the football world cup. Clearly something to look out for on wet heaths elsewhere in Hampshire.

Natural History Museum Project

To leave on another cliff hanger (well perhaps not that exciting!) I am currently involved with a biodiversity project to survey intensively random plots within the New Forest. I am recording those plots in the woodlands for lichens. As always with such intensive survey in the New Forest something exciting always seems to turn up. To date this is *Micarea hedlundii* (NT NR) a lichen of damp lignum in old growth woodland and the second English and first lowland record. This is inconspicuous, occurring as a green scum on damp lignum, but once spotted is easily distinguished by small but beautiful pale brown stalked pycnidia (structures producing asexual spores) with white pruina which positively shine out in the dark dank habitat that it occurs in. Certainly over-looked as this damp wood is not usually very productive of lichens. More details next year.

Wessex Lichen Group

The Wessex Lichen Group meets somewhat erratically to record lichens and encourage lichenology in Hampshire, Dorset and Wiltshire. All interested in lichens are welcome and to be placed on the email list; please email Neil at neilsand@dircon.co.uk.

Key: CR Critically Endangered RDB species, NT CR Near Threatened RDB species, DD = Data Deficient RDB species, NR = Nationally Rare, Nationally Scarce & BAP = Biodiversity Action Plan species.

Wessex Bryology Group Field Meetings for 2011

Here is the programme of meetings for the coming season. The Wessex Bryology Group extend a warm welcome to Flora Group members. They have tried to include a good range of habitats and sites across Dorset, Wiltshire, Somerset and Hampshire. 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 and, in early 2011, there are a couple of meetings specifically aimed at beginners to bryophytes, including a joint meeting with Flora Group at Blashford Lakes. Beginners are, of course, most

welcome at all the 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 the Group plans to visit 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.

Contact: Andrew Branson tel: 01747 838223; e-mail andrew@britishwildlife.com or Sharon Pilkington tel: 01225 775945; e-mail: sharon.pilkington1@btinternet.com

20 February 2011 Corfe Common, Dorset. An exploration of this rich area of common land with both acid and calcareous flushes; may also visit surrounding chalk slopes in afternoon. Leader Andrew Branson. Meet at car park in Corfe Castle at SY 958817.

20 March 2011 Sandpool Nature Reserve, North Wiltshire. This site is a new Wiltshire Wildlife Trust Reserve, following a period of sand and gravel extraction. Habitats of interest include willow carr, scrub, aggregate piles and disturbed wet ground. Leader Sharon Pilkington. Meet in the car park at Lower Moor Farm Visitor Centre near Somerford Keynes at SU 008938.

17 April 2011 Brean Down, North Somerset. Superb limestone headland in the Bristol Channel, with many rare and local species. Leader Sharon Pilkington. Meet at car park at ST 297587 by the Tropical Bird Gardens.

Getting to grips with bryos 2011

Following the success of the last season's introductory meetings, The Wessex Bryology Group have arranged a couple more specifically to encourage those starting out with bryophytes. Beginners are, of course, always very welcome to come along to any of the main meetings.

23 January 2011 Joint meeting with Hampshire and Isle of Wight Wildlife Trust's Flora Group. Morning in the field in the New Forest and afternoon indoor session introducing use of microscopes and use of keys, etc. Leaders Sharon Pilkington and Andrew Branson. Meet at Hampshire & Isle of Wight Wildlife Trust Education Centre at Blashford Lakes Nature Reserve at SU 151079.

5 February 2011 A gentle ramble around the Dorset countryside looking at bryos of riverside, buildings, ancient woodland and farmland. Leader Andrew Branson. Meet at car park at Fiddleford Manor off A357 between Sturminster Newton and Shillingstone, Dorset, at ST 801134.

'Weeds – How Vagabond Plants Gatecrashed Civilisation and Changed the Way We Think About Nature' **by Richard Mabey** **a note by Catherine Chatters**

Richard Mabey, the well-known writer on countryside matters (whose previous publications include 'Food for Free', 'Beechcombings' and 'Nature Cure') has recently written a fascinating and eloquent book about weeds. This cultural history (published by Profile Books) focuses on people's attitudes to 'weeds' and how perceptions have changed over time. It is bursting with interesting examples of non-native plants which have, deliberately or accidentally, been introduced to the UK and considers why some of these have become invasive. Having spent the past 18 months tackling the spread of weeds such as Himalayan balsam and giant hogweed in the New Forest area, I found the book particularly relevant and it offers plenty of food for thought. I was surprised to read that Richard Mabey has 'yet to see a site where Indian [Himalayan] balsam has convincingly *displaced* native plant communities'. If any Flora Group members have evidence of native plant communities being displaced by Himalayan balsam along rivers in the New Forest area, please contact Catherine Chatters, New Forest Non-Native Plants Officer, at HIWWT on 023 8042 4205 or e-mail catherinec@hwt.org.uk

New Forest Non-Native Plants Project

The New Forest Non-Native Plants Project has been extended to include the River Avon and its tributaries. Project Officer Jo Gore is keen to receive records of non-native invasive plants growing in the Avon Valley and along the tributaries. Please also continue to send Catherine Chatters your records of non-native invasives growing elsewhere within the New Forest area. The Project Officers are particularly keen to receive records of Himalayan balsam, New Zealand pygmyweed, giant hogweed, Japanese knotweed, American skunk cabbage, parrot's feather and creeping water primrose. You can submit your records on-line at <http://www.hwt.org.uk/pages/new-forst-non-native-plants-project.html> or you can request a supply of recording cards from Jo or Catherine on 023 8042 4205 or via catherinec@hwt.org.uk or joanneq@hwt.org.uk

New Plants for Gosport in 2010 a note by John Norton and Debbie Allan

This year Debbie Allan, Eric Clement and I have not done a great deal of botanising in our home Borough, but we have nevertheless had quite a good year, following a relatively lean spell during 2008 and 2009. The best find was Beggarticks *Bidens frondosa*, which we first saw in early September in leaf only. The plants were growing in shallow water in a ditch on the south side of Frater armaments depot, in an area open to the public. Having guessed at *Bidens*, we managed to identify the species fairly quickly using Stace, and confirmed from the illustration in Clement, Smith & Thirwell *Illustrations of Alien Plants of the British Isles* (p. 357). For once Poland & Clement's vegetative key did not work as the authors (perhaps unfamiliar with the plant) did not seem to realise that the leaves are truly pinnate (three leaflets on the upper leaves and five on the lower leaves - see photo).



Beggarticks *Bidens frondosa*, Heritage Way, Gosport, 5 October 2010 (Debbie Allan). Two shots showing the distinctive pinnate, toothed leaves, purple stems and yellow flowers.

The species is native to North America, but in Britain is naturalised in ditches and canals in the Midlands, South Wales and the London area. It has not previously been recorded in Hampshire or, as far as we are aware, any neighbouring counties. The ditch at Frater straddles a 10km square boundary, so we were able to record it in both SU50 and SU60! It does not seem to be serious weed where it occurs, but any alien water-plant is potentially worrying. The plants were growing as fairly dense stands up to a metre tall in water about 30-50cm deep, with a few much smaller plants growing in wet grassland at the edge. They did not come into flower until the beginning of October, by which time the Trifid Bur-marigold *Bidens tripartita*, which also occurs along the ditch, had already gone over. The grassy fields either side of ditch are visited by Canada Geese, Curlew and Black-tailed Godwit in winter, so perhaps one of these birds was the vector (the seeds are well-adapted to stick to feathers, fur and clothing). We had not visited this area since July 2004, so it is possible that it had arrived sometime since that date, although we may have missed it then. Its apparent preference for fairly deep water could mean that it may not appear in dry summers. *Bidens frondosa* could well turn up at similar bird-frequented wetland sites elsewhere in the county, so keep a look out!

In the same ditch we also noticed an interesting-looking Starwort *Callitriche*, with mixtures of medium-length and very long (25-30mm), parallel-sided submerged leaves with a small notch at the apex. This seems to be a good fit for the aptly named Various-leaved Water-starwort *C. platycarpa*, which neither of us had seen before and is also new for Gosport and SU50. Unfortunately, the plants did not produce any fruit, which may have helped to confirm its identity. The photo shows the slightly more spatulate shape of the floating rosette leaves, with a comparison image of the much broader leaves of Common Water-starwort *C. stagnalis*.



Various-leaved Water-starwort *Callitriche platycarpa*, Heritage Way, Gosport, 5 October 2010 with (inset) Common Water-starwort *C. stagnalis* (Debbie Allan).

One of our more pleasing and unexpected finds of the year was made by accident during the grasses workshop field day at Browdown Common on 18th July. As we were making our way from the open heathland towards the willow carr and fen area, Debbie spotted a spike of Broad-leaved Helleborine *Epipactis helleborine* growing under the dense gorse and willow scrub at the southern end of the common. During a later visit we counted at least 150 spikes in a relatively small area. This orchid had not previously been recorded in Gosport and the nearest other known colonies are about 10km away in north Fareham and the north-east coast of the Isle of Wight.



**Broad-leaved Helleborine *Epipactis helleborine*,
Browdown Common, Gosport, 7 August 2010
(Peter Raby).**

Plantlife needs help with arable plant monitoring

Dominic Price of Plantlife is keen for Flora Group members to help with the long-term monitoring of arable plants. Dominic says:-

“2011 is the final year of Plantlife’s Arable project, which has worked across England to look at the distribution of rare plants on arable land, and assess whether agri-environment schemes are managing to

conserve them. One of the aims of the project is to establish a volunteer network for a long-term monitoring programme, not only to find the rare plants in the first instance, but to monitor their survival over years of changing farming practices.

To this effect Plantlife will aim to recruit more volunteers throughout 2011, looking for people with an interest in identifying rare arable species and the ability to visit sites into the future. We may do this through one large open day in the summer, acting as a contact point for people who would be interested in doing this work, or identifying gaps in recording at county level and where recording effort should be concentrated (probably a combination of all three!)”

If anyone is interested in getting involved with long-term monitoring of arable plants (or would like to find out more about what is involved) please contact Dominic Price at Plantlife on 01722 342730 or by e-mail Dominic.Price@plantlife.org.uk

Botanical Recording in adjacent counties

During a recent Flora Group AGM it was suggested that our Members might be interested to know about other botanical recording societies which exist to serve adjacent counties. Below are the relevant contact details for the Wiltshire Botanical Society and the Sussex Botanical Recording Society:-

Wiltshire Botanical Society

For information about the Wiltshire Botanical Society please contact Dr Pat Woodruffe, Anchorsholme, Hop Gardens, Whiteparish, Salisbury, Wiltshire, SP5 2ST, tel 01794 884436 e-mail: pmw.bentley@waitrose.com

The Wiltshire Botanical Society welcome members and their friends to their meetings, beginners and experts alike.

Sussex Botanical Recording Society (SBRS)

If you would like to join the SBRS and assist with their recording work please send you name and address (with postcode), telephone number and e-mail address to Trevor Lording SBRS Treasurer, Westfield House, Church Road, Crowborough, E. Sussex, TN6 1EE together with a cheque for £5.00 for a single member or £7.00 for 2 people sharing the same address made out to: Sussex Botanical Recording Society.

It is important that prospective members understand that the focus of SBRS is recording and that they expect their members to be actively involved in recording and improving the understanding of the distribution and status of wild plants in Sussex.

Please note that the SBRS shares plant records obtained from their members with the BSBI (Botanical Society of the British Isles) and the Sussex Biodiversity Records Centre and that, in joining the society, you are

agreeing to this. Note however that SBRS do have a facility for keeping some records confidential if they are clearly marked as such when submitted to the recorders.

SBRS members are entitled to full access to the SBRS web site. If you wish to arrange this please email Alan Knapp (aknapp2000@btinternet.com) once you have paid your subscription.

Book Review by Martin Rand: Flora of Cardiganshire, A.O. Chater, privately published, Aberystwyth, 2010

Why on earth is a book on one of the lesser-known Welsh counties being reviewed for the Hampshire and Isle of Wight Wildlife Trust's Flora Group? Simply, this is a book that anyone with a serious interest in British botany should be acquainted with. If you don't buy a copy, then beg, borrow or otherwise obtain one for a while and read it cover to cover.

The first impressive feature is the size. At over 900 A4 pages on good-quality paper in hardback format, this is not one that you are going to take into the field very often. However, as popular culture will tell you, size isn't everything, and what really takes the breath away is the range and depth. Not only is every species, including forestry, hedgerow and street tree plantings covered; subspecies, varieties, cultivars are all thoroughly and critically assessed and painstakingly documented. Consider the five beautifully illustrated and detail-packed pages on the clones of Black-poplar (*Populus nigra* subsp. *betulifolia*) – and this for a tree with just 30 individuals in the entire county!

In county Floras it is usually the rarities that excite the most interest. Here it is often the accounts of widespread and common species. The book is packed with historical and ecological insights on everyday things. It is enormously helpful to have the range of variation within a species so fully documented against hard field evidence in a well-circumscribed area, showing where there are races of real significance and where described variants are merely points on a continuum in almost any population. There is knowledge here that can be taken away and applied wherever you study your plants.

There are many colour illustrations throughout the text. So often the pictures in a modern Flora seem designed to do little more than grab the attention of the less committed reader (and potential buyer?) Here the emphasis is on plants in their setting, and no botanist could come away from these without a strong sense of the county and its vegetation, from the wild uplands to the most banal suburban verge, of a kind that

topographical narrative, or NVC community lists, could never convey.

For those who want to track down some of the rarer or more recondite plants in the area, there are many detailed localities recorded, often down to 10-metre precision. Usually the spots from which photographs are taken are similarly detailed. This is a tremendous boon if you want to be sure of having relocated the site of a critical plant.

Finally one must celebrate the humanity of this work. An account of past botanists is *de rigueur* in every county Flora, but here it is supplemented by delightful snapshots of everyone who has worked the county recently to produce this book, along with occasional pictures of local farmers, and some of the occupations and circumstances, traditional or quirky, in which plants have found themselves.

We are unlikely to see another local Flora quite like this, yet every Flora writer could take away something from it for their own work.

Are you interested in helping to monitor vegetation at Hazeley Heath? If so, please read on.....

Hampshire County Council (HCC) are currently involved in a 5 year grazing trial at Hazeley Heath Site of Special Scientific Interest (SSSI) near Hartley Wintney. This is partly to compare the effects of grazing by cattle with mechanical management, including scraping/turf removal. HCC need to organise some regular (annual) 'micro-monitoring' of the scrapes and also of the adjacent grazed areas to record which plants colonise. Jonathan Mycock (Land Management Officer at HCC) was wondering whether any Flora Group members would be keen to get involved with this monitoring project. If you are interested, or would like to find out more about what is involved, please contact Jonathan Mycock on 01962 832331 (office) or 07818 014209 (mobile) or by e-mail at jonathan.mycock@hants.gov.uk

BSBI Atlas Updating Project – a progress report by Martin Rand

In the last issue Tony Mundell publicised the project to update the national BSBI Atlas of the British and Irish Flora, aiming for publication in 2024-2025 (the last one was in 2002, with data up to 2000). The bulk of the work on this will be done in the seven years from 2013-2019, but here in Hampshire we aim to hit the ground running, and are already doing some planning work and even some early recording!

Adopting a 10km square

We've had a good response to Tony's appeal for people to take on a hectad (10km x 10km square), but there are lots left to go round. Here's our coverage so far:

Hectad	Area	VC(s)	Tetrads	Personnel
SZ08/SZ09	Branksome	9/11	8	
SZ08/SZ09/SZ19	Bournemouth & Christchurch	11	25	
SU00/SU10	Ringwood	9/11	27	
SU01/SU11	Fordingbridge	8/9/11	24	
SU02/SU12	Whitsbury Down	8/11	6	
SZ29	New Milton	11	22	Mike Rowe
SU20	Burley	11	25	
SU21	Fritham	11	21	Carolyn Thorne, Roger Veall
SU22	Sherfield English & Tytherleys	8/11	13	?Wiltshire Bot Soc
SU23	Wallops & Buckholt	8/11/12	16	
SU24/SU25	Tidworth & Thruxton	8/11	25	
SZ38/SZ39	Lymington	11	18	Mike Rowe
SU30	Denny Lodge	11	25	
SU31	Totton	11	25	
SU32	Romsey	11	25	
SU33	Stockbridge	11/12	25	Martin Rand
SU34	Andover	12	25	Mike Wildish
SU35	Hurstbourne Tarrant	9/12/22	21	Peter Billingham (VC 12 part)
SZ49/SU40	Waterside	11	27	
SU41	Southampton	11	25	
SU42	Winchester S & Chandlers Ford	11/12	25	Martin Rand
SU43	Winchester N	11/12	25	Barry and Jane Goater
SU44	Whitchurch	12	25	
SU45	Litchfield	12	25	Peter Billingham (VC 12 part)
SU36/SU46	Highclere	12/22	18	Peter Billingham (VC 12 part)
SZ59/SU50	Fareham and Gosport	11	25	John Norton, Debbie Allan
SU51	Bishops Waltham & Wickham	11	25	Ginnie Copsey
SU52	Upham & Cheriton	11/12	25	
SU53	Alesford & Micheldever	12	25	Lorraine Martin
SU54	Overton & North Waltham	12	25	
SU55	Kingsclere & Oakley	12	25	
SU56	Ashford Hill	12/22	10	
SZ69	Portsmouth S	11	6	?Geoff Farwell
SU60	Portsmouth N	11	23	?Geoff Farwell
SU61	Hambledon & Denmead	11	25	
SU62	Meons	11/12	25	
SU63	Four Marks	12	25	John Norton, Debbie Allan

SU64	Herriard	12	25	
SU65	Basingstoke	12	25	
SU66	Silchester	12/22	10	
SZ79/SU70	Hayling and Havant	11/13	17	John Norton, Debbie Allan, Brian Fellows
SU71	Rowlands Castle & Chalton	11/13	14	
SU72/SU82	Petersfield	11/12/13	23	Dawn Nelson (VC12 part)
SU73	Alton S and Selborne	12	25	
SU74	Alton N & Bentley	12	25	
SU75	Hook & Hartley Wintney	12	25	
SU76	Bramshill	12/22	10	
SU83	Liphook & Headley	12/13/17	17	
SU84	Alice Holt & Crondall	12/17	10	
SU85/SU86	Rushmoor	12/17/22	26	Tony Mundell, Dorothy Brookman (VC12)
Bold: principal hectad				
Normal: added fragments of neighbouring hectads				
		Hectads	50	
		Covered	21	

What will I have to do?

First, perhaps we should say what it **won't** require.

- **You won't have to do all the recording yourself.** Although of course, if that's what you'd like to do, we won't stand in your way... But other people will be recruited to help, and we'll organise "mopping up" sessions in your hectad to deal with any areas that have proved difficult or time-consuming to cover.
- **You won't have to be an expert on everything you see.** Of course, you should have a reasonable knowledge of common plants, and, most importantly, an eye for spotting something a bit different from what you are used to. Anything you don't recognise can be referred to a panel of local experts, including the two BSBI recorders, and we expect to hold convivial "sort out" sessions on a regular basis.

Here's what we will expect:

- You'll do a certain amount of the recording yourself. That's the fun bit, after all.
- You'll probably do some talking to local landowners and land managers to negotiate access, help them understand what we're doing and get them "on side" where possible; also to local amenity and conservation groups.
- You'll be prepared to put your records onto computer, either onto Mapmate or onto a spreadsheet: or else you'll have a hectad "partner" who does this.
- You'll collate the field record sheets, and any other records, from anyone working in the hectad.
- You'll "manage" the hectad, making sure that coverage in the square is adequate and there isn't unnecessary duplicated effort.

Here are some other things you might take on:

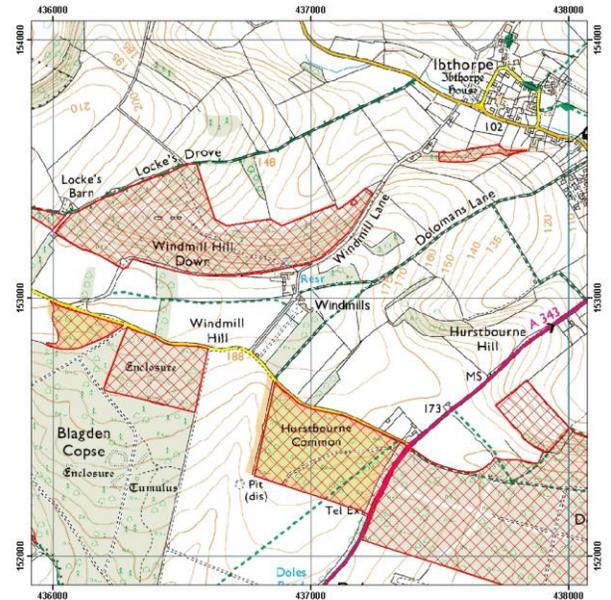
- You could help enter other people's records if you are agreeable. Tony and I will help organise labour on this to prevent it becoming an overwhelming burden on any individual.

- If you're knowledgeable about a particular group of plants, helping other people ID them, or having a "roving remit" around the county to seek them out.

What we will do to help

We can't be too specific about how you will be expected to record, as we are still waiting on national guidance from the BSBI, which has been promised this winter. But there are a few things that are likely to emerge, or that we have decided on ourselves to make the exercise as useful as possible for our local recording.

- The BSBI wants recording resolution to be down to a tetrad (2km x 2km) level this time round. That shouldn't be too much of a problem – that's what we actually did last time! But your BSBI recorders, cruel taskmasters that they are, want things recorded at least to a 1km resolution. (This doesn't mean you will have to visit every one of the hundred 1km squares of your hectad.)
 - We'll run field sessions introducing you and your co-workers to the recording process.
 - We'll provide lists of species previously recorded in each tetrad, with dates last seen.
 - We'll provide precise locations of the rarer plants, wherever we have them.
 - We will provide a tetrad map extract, showing areas designated as Sites of Interest for Nature Conservation, on which you can plan and then document the routes you have taken.
 - We'll provide 'tetrad' recording cards with a simple facility for checking off which 1km square(s) you've seen a species in.
- We can't be sure yet, but we expect that, in line with other recent surveys, the BSBI will be interested in getting coverage of planted and introduced species in the wider countryside. These are things that are often not so well covered in field guides.



Also, this is a great opportunity to get information up to date for a 'Supplement to the Flora of Hampshire'. It's surprising how much has changed since 1995, and in another 15 years we don't expect change to slow down. So as well as lamenting losses, this is an opportunity to find out just how far newcomers have penetrated our county. Also, it's a chance to record in more detail some of the variation that's found within plants, especially where this can have ecological and conservation significance.

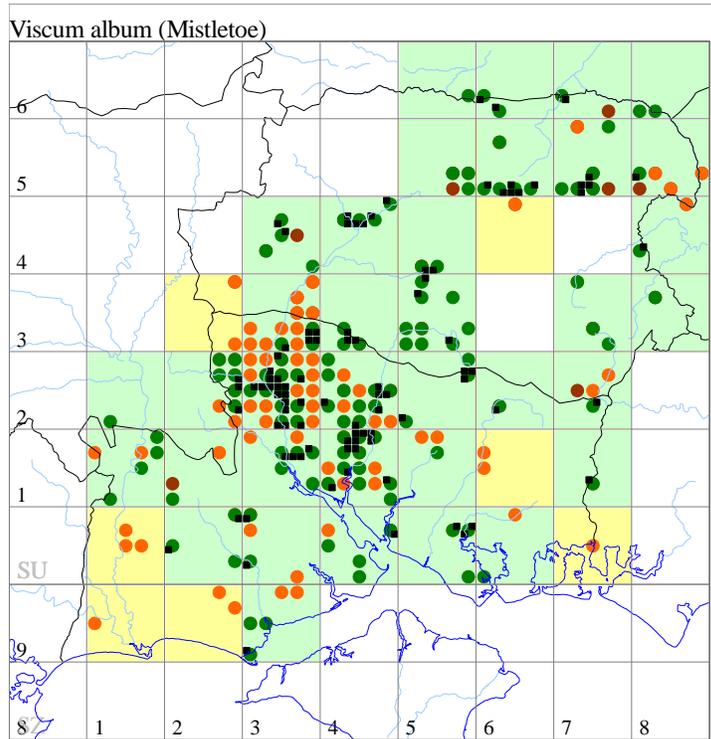
- We'll distribute any information produced by BSBI that helps with identification of these more difficult things (hopefully in a more portable format than 'Plant Crib 1998'!)
- Where possible, we'll add to this material.
- We'll continue the run of workshop sessions that we've been organising over the last few years, probably holding more mini-sessions for very specific groups.
- We'll have a network of local experts who will be there to help with ID and, where necessary, to pass on material to the national referees.
- We'll organise group ID sessions.

So what are you waiting for?

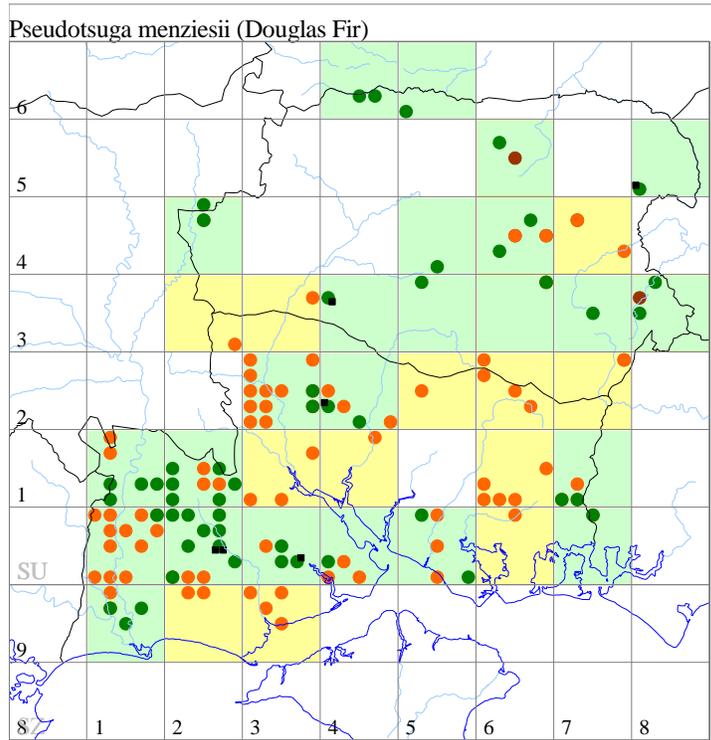
OK, it's the middle of winter, it's two years to go to the official start of the project, but is that any reason not to get out there?

Last year we encouraged people to get out and re-record Mistletoe. This is what we've got so far. Black dots are the new 1km records; green circles are tetrads recorded since 2000; brown circles those before 2000. The

green hectads have at least one record since 2000; yellow hectads probably need bringing up to date. There are still gaps to fill – and no doubt you can add some new dots.



And since it's winter, how about tackling those evergreens? For instance, there's plenty of scope for re-recording Douglas Fir, which is an easy one to recognise. Just remember to note whether your trees were obviously planted or are naturally regenerating saplings.



VC11 Records compiled by Martin Rand

It has been an excellent year for new discoveries in South Hampshire. Pride of place must go to Gareth Knass's find of Martin's Ramping Fumitory (*Fumaria reuteri*) on allotments at Fareham. The plant appears well-established here and this makes only the fourth such extant site in Britain. But equally notable is an "old new" discovery, Andy Smith's finding of Bremi's Bladderwort (*Utricularia bremii*) in the New Forest, finally confirmed in 2008 after its original discovery nearly 20 years ago. This is the first reliably confirmed report in Britain. Fuller accounts of both of these will be appearing in *BSBI News*.

Matt Stribley, pteridologist and general botanist from Cornwall, has pinned down *Polypodium cambricum* in Winchester, and also recorded its hybrid *P. x shivasiae*. Now I wonder what those fronds are tantalisingly high up on the ruins of Titchfield Abbey? This and Portchester are among the few mediaeval masonry sites in South Hampshire where *cambricum* hasn't yet been recorded. We've also managed to add the nationally scarce hybrid *Equisetum x rothmaleri* to the county list.

You'll see that there has been a switch to the scientific names used in the 3rd edition of Stace's *New Flora*. It's good to see quite a few new recorders' initials among the list; please keep the records coming. Apologies to those whose 2010 records didn't make it into this issue, either because they came quite late in the year or because they needed some more effort on my part. They should come up in the next issue. Remember, if you are able to use it and you have more than a handful of records to submit, it's a big help if you can put them on the recording spreadsheet, a template for which can be found on the Hants Plants web site hantsplants.org.uk.

The most significant finds of native and archaeophyte plants are picked out with a box. '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 brackets: [🌿]. A **tetrad** is a 2km x 2km square – the basic distribution mapping unit of the 1996 *Flora of Hampshire*. Records for those parts of VC8 (South Wiltshire) now in administrative Hampshire are also included. Records for the next issue by the end of June, please.

Recorder and determiner abbreviations: AMar = Adam Marshall, ASm = Andy Smith, BF = Brian Fellows, BGo = Barry Goater, CCha = Catherine Chatters, CNP = Chris Page, CRH = Chris Hall, DC = David Caals, DHub = David Hubble, DL = David Leadbetter, DRA = Debbie Allan, EAP = Rev. Ted Pratt, EJC = Eric Clement, GCo = Ginnie Copsey, GFa = Geoff Farwell, GK = Geoffrey Kitchener, GKn = Gareth Knass, HFG = Hampshire Flora Group meeting, JAN = John Norton, JCre = Jon Crewe, JF = Jeanette Fryer, JGo = Jane Goater, JRC = Jonathan Cox, JRWH = Ralph Hollins, KTr = Ken Trewren, MCl = Martin Clarke, MPa = Mary Parker, MR = Martin Rand, MSt = Matt Stribley, MWR = Mike Rowe, NJ = Nigel Johnson; NMR = Nick Rumens, PAB = Phil Budd, PDS = Peter Sell, PGS = Paul Stapleton, PM = Peter Marston, PMa = Pam Marchant, PQ = Phil Quinn, PS = Paul Stanley, RCo = Rob Cooke, RCR = Clare Rand, RJ = Richard Jones, RJM = Rose Murphy, RMas = Roger Maskew, RMW = Robin Walls, SCu = Simon Currie, SWa = Sarah Warriss.

Acer rufinerve (Grey-budded Snake-bark-maple): Great Covert, North Baddesley, SU411196; 12 Aug 2009; MR. Large sapling with mature (planted) tree. **New vice-county record**

Amaranthus bouchonii (Indehiscent Amaranth): Hatchley Lane, Lower Upham, SU518203; 15 Sep 2010; MR & GCo. Maize field. **1st for SU52**

Anagallis arvensis subsp. *arvensis* f. *azurea* (Scarlet Pimpernel azure form): N of Mayhill Lane, Droxford, SU599178; 02 Aug 2010; PM. Three blue flowered plants at SU599178 at the edge of a very large arable field along with many ordinary Scarlet Pimpernels and some good arable plants including both Fluellens and Small Toadflax. **1st for SU51**

Anagallis tenella (Bog Pimpernel): Havant Thicket, SU711106; 09 Jul 2009; JAN & DRA. SU 7114 1065, very locally frequent, track. **1st for SU71**

Anthemis tinctoria (Yellow Chamomile): Normandy, Lymington, SZ330939; 03 Aug 2010; BGo & JGo. Five flowering clumps on landward side of sea wall, on introduced soil, with *Rapistrum rugosum* and *Linaria maroccana*. **1st for SZ39**

Asparagus officinalis subsp. *officinalis* (Garden Asparagus): Yew Hill, Kings Somborne, SU352314; 07 Sep 2010; MR & RCR. Arable field margin. **1st for SU31**

Azolla filiculoides (Water Fern): Beechwood Way Pond, Dibden Purlieu, SU405069; 18 Aug 2010; CCha. **1st for SU40 since 1989**

Bergenia crassifolia (Elephant-ears): Catherington, SU696145; 09 Apr 2010; PM. In churchyard: 2 large clumps, 1 of 3 sq metres covering 3 graves the other of 3m x 2m covering 1 grave. **1st for SU61**

Bergenia x schmidtii (*B. crassifolia* x *ciliata*): Tourner Bury Marsh, Hayling Island, SU7300; 08 Sep 2010. JAN, MR, DRA et al. One patch, in rubble/debris of sea defences. **1st for SU70**

Betula x aurata (B. pendula x pubescens): Foulford Bottom, SU183052; 16 May 2010; MR & GCo. At SU1830 0523. **1st for SU10.**

Hale Purlieu, SU2019; 15 May 2010; MR & RCR. **1st for SU21**

Bidens frondosa (Beggarticks): ;Gunners Way (Elson), SU599024, SU600024; 04 Sep 2010;JAN & DRA. Several plants (20+) Many plants along and at eastern end of water-filled ditch, which runs between two small grassy fields between Heritage Way and southern boundary of Frater armaments depot SU60050244. **New vice-county record**

☼ *Briza minor* (Lesser Quaking-grass): Stockers Mead, Christchurch, SZ148925; 17 Aug 2010; PAB. **New tetrad and 1st in SZ19 since 1926**

Bromopsis inermis (Hungarian Brome): Lee-on-the-Solent W, SU559009; 02 Jun 2010; DRA. Promenade embankment & retaining wall. **1st for SU50**

☼ *Bromus commutatus* (Meadow Brome): Hayling Island (W), SU711006; 07 Aug 2010; DRA, JAN & EJC. Locally frequent in area of 3-4m (at least) in SW corner of arable (wheat) field, adjacent to saltmarsh. **1st for SU70 since before 1904**

☼ *Bromus racemosus* (Smooth Brome): Twiggs Lane, Marchwood, SU383098; 27 May 2010; JAN & DRA; Hb DRA. SU 3830 0986 field W of lane N of A326. **1st for SU30.**

Tourner Bury Marsh, SU730000; 08 Sep 2010; JAN, DRA, MR et al. Gutner LNR meadow, SU734019; 08 Sep 2010; MR & BSBI members. NW corner of meadow by gate. **New tetrad**

☼ *Bromus secalinus* (Rye Brome): Farley Farm, SU396274; 22 Jun 2010; MR. A few plants in margin of arable. **New tetrad**

Cardamine bulbifera forma *ptarmicifolia* (Coralroot): Lords Wood, Southampton, SU403171; Apr 2010; PAB. In the centre of Lords Wood - in an old bomb crater well away from any garden, SU 4033 1715. **1st for SU41**

☼ *Carex arenaria* (Sand Sedge): Penerley Wood, SU3704; 28 May 2010; BGo & JGo. A few plants in dry, open area at top of wood. **New tetrad**

Carthamus tinctorius (Safflower): Cherque Way, SU571011; 04 Sep 2010; JAN. Seven plants in full flower on disturbed soil bund around small car park area, with other bird seed aliens. **1st for SU51**

[☼] *Catabrosa aquatica* (Whorl-grass): Buckland, SZ307962; 27 Jun 2009; MWR. Abundant in stream at E end of Yaldhurst Copse, SZ3078 9620. **New tetrad**

☼ *Centaureum pulchellum* (Lesser Centaury): S side of Horsham Copse, Marwell, SU502219; 19 Jul 2010; CRH. Floor of old quarry on south side of Horsham Copse, 47 plants in c. 5 x 2 metres, SU 5029 2192. **1st for SU51**

Ceratochloa cathartica (Rescue Brome): Bournemouth, Stour Barn, SZ095959; 14 Jun 2010; RMW. **1st for SZ09**

☼ *Centunculus minimus* (Chaffweed): Havant Thicket, SU711106; 09 Jul 2009; JAN & DRA. SU 7114 1065, track (near stream/bottom of slope). **1st for SU71**

Ceterach officinarum (Rustyback): Ringwood town centre, SU148053; Oct 2010; ASm. Old wall, next to Chinese takeaway, SU14893 05315. **1st localised record for SU10 since ?1860**

☼ *Chamaemelum nobile* (Chamomile): Durrants, SU720090; 29 May 2009; JAN & DRA. Several patches (maybe more), in lawn near steps SE of the Lake. **1st for SU70**

Cicerbita macrophylla (Common Blue-sow-thistle): Stubbington Lane / Sea Mead, SU554018; 02 Jun 2010;JAN & DRA. SU5566 0186, grass verge. Large patch c. 4 x 1.5m. First seen 2006. **1st for SU50**

☼ *Comarum palustre* (Marsh Cinquefoil): Bourne Stream, upper gardens, SZ073918; 27 Apr 2009;RMW & JCre. **1st for SZ09**

Consolida ajacis (Larkspur): Millbrook, SU383131; 15 Jun 2009; DC. On a raised bank at SU3830 1315, on the north side of a one way side road going west to east off the dock gate road. **1st for SU31**

Convallaria majalis (Lily-of-the-valley): Hayling Billy Trail, SU711003; 07 Aug 2010; DRA, JAN & EJC. SU 7116 0036, by track at edge of Salix carr. **1st for SU70**; surely an introduction here

Conyza floribunda (Bilbao's Fleabane): Keyhaven Marsh, SZ310917; 11 Sep 2010;HFG. **1st for SZ39.**

Tourner Bury Marsh, SU730000; 08 Sep 2010; JAN, DRA, MR et al. Lake, N edge. **1st for SU70.**

Tournerbury Farm, Hayling Island, SZ729999; 08 Sep 2010; JAN, DRA, MR et al. SU 7293 9997. **1st for SZ79**

Conyza sumatrensis (Guernsey Fleabane): Honeyman Lane, SU529251; 06 Dec 2009; MSt. **1st for SU52**

Cornus sericea (Red-osier Dogwood): Manor Farm, Botley, SU509118; 11 Aug 2010; MR, EJC & GCo. No doubt planted but now suckering into hedge / spinney. **1st for SU51**

Cotoneaster dielsianus (Diels' Cotoneaster): Waterford, Lymington, SZ333948; 04 Jun 2009; MWR det. JF. One bush, c. 60cm tall, on bank by sea wall at marina, SZ3335 9483. **1st for SZ39**

Cotoneaster hjelmqvistii (Hjelmqvist's Cotoneaster): Lymington, SZ322955; 24 Oct 2009; MWR det. JF. 1-2 plants self-sown or bird-sown at garden wall/pavement junction near planted specimen in garden, footpath behind High Street, SZ3220 9556. **1st for SZ39**

☼ *Crassula tillaea* (Mossy Stonecrop): Badminton Common, SU460020; 19 Jun 2010; HFG. In / around gateway. **New tetrad**

Hayling Island (W), SU710006; 07 Aug 2010; DRA, JAN & EJC. One trodden plant on sea wall. **New tetrad**

Cyclamen coum (Eastern Sowbread): Manor Farm, Exton, SU615211; 19 Apr 2009; DHub. **1st for SU62**

☼ *Cynoglossum officinale* (Hound's-tongue): Above Orkney Road, Portsdown, SU658062; 19 May 2009; RJ. Among cleared holm oak. It has appeared on ground that was previously under trees. **1st for SU60**

Dryopteris affinis (Golden-scaled Male-fern): Crab Wood, Sparsholt, SU438301; 05 Dec 2009; MSt. SU4387 3018. **1st for SU43**

Dryopteris borrieri (Borrer's Male-fern): Crab Wood, Sparsholt, SU439300; 05 Dec 2009; MSt. SU 4391 3004. **1st for SU43**

☼ *Dryopteris cambrensis* (Narrow Male-fern): Crab Wood, Sparsholt, SU438300; 05 Dec 2009; MSt conf. KTr. SU 4384 3006. **1st for SU43**

Dryopteris x deweveri (*D. carthusiana* x *dilatata*): Nevil's Copse, Ampfield Wood, SU412235; 02 Jun 2010; MR & GCo. **1st for SU42.**

Furzy Plain, Havant Thicket, SU722102; 17 Jun 2009; DRA. Apparently frequent, but some plants may be the parent species. **1st for SU71**

Echinops bannaticus (Blue Globe-thistle): Monks Brook, Fleming Park, SU441190; 11 Sep 2010; EAP. W side of Monk's Brook SU4410 1907. **1st for SU41**

Elaeagnus x submacrophylla (Hybrid Oleaster): Monks Brook, Fleming Park, SU441190; 11 Sep 2010; EAP.

Redetermined by EAP from *E. pungens* previously recorded here.

☼ *Elytrigia juncea* (Sand Couch): Lee-on-the-Solent E, SZ565999; 29 Jun 2009; JAN & DRA. SZ5658 9991, patch c.1m diam., on shingle beach. **1st for SZ59**

☼ *Epilobium lanceolatum* (Spear-leaved Willowherb): Chewton Bunny - north end, Highcliffe, SZ221937; 04 Sep 2009; PAB. **New tetrad**

Epilobium x aggregatum (*E. montanum* x *obscurum*): Ashley Common Road, Ashley, SZ252960; 27 Sep 2009; MWR det. GK. One plant, garden fence/pavement junction, SZ2526 9605. **New vice-county record**

Epilobium x dacicum (*E. obscurum* x *parviflorum*): Mill Lane, Sway, SZ288970; 27 Jun 2009; MWR det. GK. Damp shady lane, Mill Lane, between Sway and Lymington. **2nd vice-county record; 1st for SZ29**

Epilobium x haussknechtianum (*E. montanum* x *tetragonum*): Bank View, Lymington, SZ319967; 05 Sep 2009; MWR det. GK. One plant at garden wall / pavement junction, SZ3191 9678. Tentative determination. **New vice-county record**

Epilobium x interjectum (*E. montanum* x *ciliatum*): Flexford Lane, Sway, SZ286967; 19 Sep 2009; MWT det. GK. One plant by ditch/hedge, SZ2868 9670. **1st for SZ29**

Epilobium x palatinum (*E. parviflorum* x *tetragonum*): Nr Great Newbridge Copse, Everton, SZ299935; 24 Aug 2009; MWR det. GK. Among dense vegetation at overgrown field edge by woodland (Great Newbridge Copse), SZ2991 9355. Tentative determination. **New vice-county record**

☼ *Equisetum x rothmaleri* (*E. arvense* x *palustre*): Wickham Parish Meadow, SU574108; 11 Aug 2010; MR, EJC & GCo conf. CNP. Dominant - frequent over an area of about 70m x 20m, SU573108, SU574108. **New vice-county record**

Erica lusitanica (Portuguese Heath): Bournemouth cliffs, SZ071900; Apr 2010; EAP. Bournemouth cliffs, SZ0715 9003 One, low on cliff. **2nd vice-county record; 1st for SZ09**

Erigeron glaucus (Seaside Daisy): South Hayling, SZ710988; 16 May 2010; HFG. SZ7104 9886, behind beach huts, patch of c.2 x >1m. **1st for SZ79**

Erigeron karvinskianus (Mexican Fleabane): Test Valley: North Houghton area, SU3433; 27 May 2009; HFG. **1st for SU33.**

Dean, nr Winchester, SU4431; 16 Sep 2010; BGo & JGo. On garden wall in village. **1st for SU43**

☼ *Erodium maritimum* (Sea Stork's-bill): Green N of Burley Street, SU201044; 25 Aug 2010; MR & EJC. 3 patches at edge of Forest lawn bordering gravel drive to house, SU2018 0445. Perhaps brought in with gravel or on vehicle. **1st for SU20** and another somewhat surprising inland record.

☼ *Erodium moschatum* (Musk Stork's-bill): Two Riversmeet, Purewell; SZ165924; 29 Aug 2009; MR. W edge of pitch and putt course. **New tetrad.**

Morrisons car park, Tatchbury, SU337138; 15 Sep 2010; DC. 4 plants growing on 2 islands of neglected much-trodden land marooned in Morrisons car park. **New tetrad.**

Lakewood Road, Chandlers Ford, SU436213; 07 Oct 2010; MR & RCR. Fairly recent arrival in verge after road works reinstatement, now in some quantity. **New tetrad.**

Rowan Way, Fareham - eastern end, SU555054; 11 Apr 2009; PAB. **New tetrad.**

Ham Lane, Elson, SU603020; 01 Mar 2010; JAN & DRA. Edge of recreational grass area. **New tetrad**

Erophila verna s.s. (Common Whitlowgrass): Hinton Ampner, SU595275; 04 Apr 2010; MR. Walls of of kitchen garden. **1st for SU52**

Euphorbia characias (Mediterranean Spurge): Gutner LNR lane sides, SU734019; 08 Sep 2010; MR, EJC et al. Spread into lane side from neighbouring garden. **1st for SU70**

Euphorbia oblongata (Balkan Spurge): Hunts Pond Road allotments, Titchfield Common, SU525060; 13 Oct 2010; GK n & MR. One large plant, probably planted, and several smaller self-sown. **1st for SU50**

✿ *Euphorbia platyphyllos* (Broad-leaved Spurge): Ganger Farm, Ampfield, SU375234; 22 Jun 2010; MR & GCo. W field, 40 plants from SU3756 2342 to SU3756 2344. **New tetrad**

✿ *Euphrasia officinalis* subsp. *anglica* (English Eyebright): Oxenbourne Down QECP, Exton, SU709189; 30 Jun 2010; MR, GCo & NJ. In valley bottom track, SU7096 1896. Wascoombe Bottom, SU711187; 30 Jun 2010; MR, GCo & NJ. Extended colony along track in valley bottom from SU7124 1855 to SU7102 1882. **New tetrad**

✿ *Euphrasia micrantha* (Slender Eyebright): Cunniger Bottom, nr. Deadman Hill, SU196164; 01 Sep 2010; MR, JAN et al. SU1967 1642. Deadman Hill, SU198164; 01 Sep 2010; MR, JAN et al. **1st for SU11**.

Deadman Hill, SU200165; 01 Sep 2010; MR, JAN et al. **New tetrad**

Euphrasia nemorosa x *micrantha*: B3078 Deadman Hill, Godshill, SU195164; 01 Sep 2010; MR, JAN et al. E.g. at SU1953 1642. **1st for SU11**

Euphrasia nemorosa x *pseudokernerii*: Beacon Hill, Ashley, SU402292; 30 Aug 2010; MR. With both parents. **1st for SU42**

✿ *Euphrasia pseudokernerii* (Chalk Eyebright): Beacon Hill, Ashley, SU402292; 30 Aug 2010; MR. In a small population mixed with hybrids with *E. nemorosa*. **New tetrad**

Fagopyrum esculentum (Buckwheat): Cherque Way, SU571011; 04 Sep 2010; JAN det. EJC. Two well grown plants on disturbed soil bund around small car park area, with other bird seed aliens. **1st for SU50**.

✿ *Festuca arenaria* (Rush-leaved Fescue): Mudeford, Gundimore Beach, SZ1872 9202; 15 Apr 2009; RMW. **1st in tetrad since 1900**

Festuca brevipila (Hard Fescue): Testwood Lakes, SU348153; 05 May 2010; MR. EJC et al. Frequent on embankment above lower lake, no doubt originally sown. **1st for SU31**

✿ *Festuca rubra* subsp. *juncea* (Tufted Red Fescue): Hayling Island (W), SU710005; 07 Aug 2010; DRA, JAN & EJC. Locally frequent in 1.5 x 0.7m patch. **1st for SU70**

✿ *Fumaria reuteri* (Martin's Ramping-fumitory): Hunts Pond Road allotments, Titchfield Common, SU525059, SU525060; 13 Oct 2010; MR & GK n conf. RJM & PDS, following earlier discovery by GK n. E.g. at SU5258 0597, SU5251 0600, SU5257 0600. Vouchers retained by Rose Murphy, one deposited Hb BM. **New vice-county record**

✿ *Galeopsis angustifolia* (Red Hemp-nettle): South Downs Way at Old Winchester Hill Nature Reserve, SU643204; 17 Jul 2010; NMR. Old Winchester Hill, SU642204, SU643204, SU643205; 21 Jul 2010; MR & NMR. 1000+ plants. Last recorded here in 2001 but the numbers this year are extraordinary.

✿ *Galium x pomeranicum* (*G. mollugo* x *verum*): Old Winchester Hill, SU642205; 21 Jul 2010; MR & NMR. One or two plants on N side of hill fort at SU6425 2056. **1st for SU62**

Gaultheria shallon (Shallon): Redhill Common, SZ086952; 24 Mar 2009; RMW. **1st for SZ09**

Geranium macrorrhizum (Rock Crane's-bill): Upham, SU540203; 09 May 2010; PM. Covering hedgebank for 3m on east side of road. **1st for SU52**

✿ *Geranium rotundifolium* (Round-leaved Crane's-bill): Wessex Way verge, SZ0953 9195; 09 May 2009; RMW. **1st in SZ09 since 1954**

Geranium x oxonianum (Druce's Crane's-bill): King's Somborne, SU3430; 07 Sep 2010; MR & RCR. Escape at back of gardens. **1st for SU33**

✿ *Glaucium flavum* (Yellow Horned-poppy): Stoke Common, Hayling, SU7103; 20 Apr 2009; MR & EJC. **New tetrad**

✿ *Gnaphalium sylvaticum* (Heath Cudweed): Brockwood Park, SU624263; 24 Jul 2010; PQ. 10 plants, edge of south lawn of Brockwood Park School. **New tetrad** and **1st in vice-county for over 10 years**

Griselinia littoralis (New Zealand Broadleaf): St Patricks Church, Hayling Island, SU718005; 07 Aug 2010; DRA, JAN & EJC. Cemetery, N part. Hedgerow by Manor Road. Self-sown? (planted nearby) **1st for SU70**

Hippophae rhamnoides (Sea-buckthorn): South Hayling, West Town, SZ713988; 16 May 2010; HFG. 1 ?self-sown, near road behind beach. **1st for SZ79**

Hippuris vulgaris (Mare's-tail); Tournier Bury Marsh, SU730000; 08 Sep 2010; JAN, DRA, MR et al. Lake, N edge. No doubt introduced. **1st localised record for SU70**

Hordeum secalinum (Meadow Barley): Farley, SU395274; 22 Jun 2010; MR. A few plants in grassy road margin. **1st localised record for SU32**

Hypericum calycinum (Rose-of-Sharon): Dean, nr Winchester, SU4431; 16 Sep 2010; BGo & JGo. **1st for SU43** in vc11

Impatiens glandulifera (Indian Balsam): Ashley Close, Havant, SU706075; 28 May 2009; JAN & DRA. **1st for SU70** (surprisingly)

☼ *Juncus subnodulosus* (Blunt-flowered Rush): Mopley, SU4501; 19 Jun 2010; HFG. **1st in tetrad since 1966.**
Badminton / Sprats Down, SU4601; 19 Jun 2010; HFG. **1st in tetrad since 1966**

Juncus tenuis (Slender Rush): Crab Wood, E of Sparsholt road, N end, SU4330; 16 Jul 2010; MR. **1st for SU43**

☼ *Juncus x surrejanus* (*J. acutiflorus* x *articulatus*): Millersford Bottom, SU192164; 01 Sep 2010; MR, EJC et al. **1st for SU11**

Lampranthus roseus (Rosy Dewplant): Boscombe Cliffs, SZ11079115; 27 Jun 2010; MR & GCo. **New vice-county record**

Lathraea clandestina (Purple Toothwort): Nr Little Bull Lane, Shedfield, SU558143; Apr 2010; MCI. On bank of small stream under footbridge leading into the golf course from Little Bull Lane, SU5588 1437. **1st for SU51**

☼ *Lathraea squamaria* (Toothwort): Swanmore, SU576168; 03 May 2010; PM. On hedgebank on east side of road at Hampton Hill at SU57681688. **New tetrad.**

Green Lane, NW of Hambledon, SU638160; 18 Apr 2009; PAB. **New tetrad.**

Felicity Woodhead tells me that she has known the Bournemouth site for this species given in last year's Flora News for some years.

Lathyrus grandiflorus (Two-flowered Everlasting-pea): Battramsley Lodge, SZ308988; 28 May 2009; MWR det. EJC. Clearly planted originally but established for many years (first observed 29 May 1993) among *Rubus* near garden, SZ3081 9887. **1st for SZ39**

Laurus nobilis (Bay): Michelmersh, SU346267; 13 Nov 2010; MR. In woodland close to gardens. **1st for SU32.**

Hinton Ampner gardens, SU596274; 04 Apr 2010; MR. Small self-sown plant in paving crack. **1st for SU52**

☼ *Legousia hybrida* (Venus's-looking-glass): South of Old Winchester Hill NR, SU642203; 17 Jul 2010; NMR. One plant found growing on the edge of arable field with *Valerianella dentata*, *Kickxia spuria*, *Sherardia arvensis*. **1st in tetrad since 1959**

Leucanthemum x superbum (Shasta Daisy): S of Black Point on Hayling Island, SZ750984; 29 Jul 2010; MR & GCo. **1st for SZ79**

Leucojum aestivum subsp. *pulchellum* (Summer Snowflake): Bourne Stream, upper gardens, SZ073918; 27 Apr 2009; RMW & JCre. **1st for SZ09**

Leycesteria formosa (Himalayan Honeysuckle): Houghton, SU340317; 05 Dec 2009; DHub. **1st for SU33.**

Hayling Billy Trail, SU711003; 07 Aug 2010; DRA, JAN & EJC. SU 7116 0036, by track at edge of *Salix* carr (probably bird-sown). **1st for SU70**

Lilium candidum (Madonna Lily): Gilkicker Point / Golf course, SZ607976; 05 Jun 2009; DRA, JAN & EJC. 2 in bud (EJC says this one has white flowers). SW corner of the lagoon. **New vice-county record**

Linaria maroccana (Annual Toadflax): Normandy, SZ330939; 03 Aug 2010; BGo & JGo. 3 plants on introduced soil beside path behind sea wall, SZ33069397, with *Anthemis tinctoria*. **1st for SZ39**

☼ *Linum bienne* (Pale Flax): Fair Oak, SU496182; 07 Sep 2010; JAN. Frequent in patch of rough grass near to main road (proposed housing development). **New tetrad.**

Alver Valley, Sandhill Lane, SU575006, SU576006; 09 Jun 2009; DRA, PAB et al. 5 plants, track edge by hedge. **New tetrad**

Lotus corniculatus var. *sativus* (Fodder Bird's-foot-trefoil): Sparsholt, SU433313; 27 Aug 2010; BGo & JGo. Evidently introduced on grassy triangle at W end of village, SU43383132. **1st for SU43**

Lysichiton americanus (American Skunk-cabbage): Harcourt Wood, Minstead, SU288100-SU289102; 13 May 2010; CCha. **1st for SU21.** Also in neighbouring parts of SU2809, SU2909.

Malva arborea (Tree-mallow): Bunny Meadows, Warsash, SU487069; 03 Jan 2010; MR. 2 on sea wall. **1st for SU40**

Mentha aquatica (Water Mint): Bourne Stream, upper gardens, SZ073918; 27 Apr 2009; RMW & JCre. **1st for SZ09 in vc11 since 1930**

Nectaroscordum siculum (Honey Garlic): Oliver's Battery, SU453270; 23 May 2010; PM. Large patch 1.5 m² at SU45352702 + single plant nearby. **1st for SU42**

Nepeta racemosa (Eastern Cat-mint): Moses Dock, Pennington, SZ327934; 07 Nov 2010; MR; Hb MR. 1 plant on bank remade with hoggin. **New vice-county record**

Nicandra physalodes (Apple-of-Peru): Hiltingbury, SU444219; 24 Sep 2010; BGo & JGo. Single plant near bird-feeder in garden. **1st for SU42.**

Hunts Pond Road allotments, Titchfield Common, SU525060; 13 Oct 2010; MR & GKn. Rather widely self-sown in central part of allotments. **1st for SU50**

Nymphoides peltata (Fringed Water-lily): Tournier Bury Marsh, SU730000; 08 Sep 2010; JAN, DRA, MR et al. Lake, N edge, probably introduced. **1st for SU70**

Oenothera x fallax (*O. glazioviana* x *biennis*): Sandy Point, Hayling Island, SZ750983; 29 Jul 2010; MR & GCo. Rare. **1st for SZ79**

Ornithogalum umbellatum (Garden Star-of-Bethlehem): Stubbington Lane / Sea Mead, SU554018; 02 Jun 2010; JAN & DRA. SU 5544 0186, W side of Stubbington Lane by SE corner of horse field. **1st for SU50**. This is a much rarer plant outside gardens than *O. angustifolium*, with which it has been confused.

Orobancha minor (Common Broomrape): Sandy Beach Estate, SZ747981; 2009; SWa. Along the southern most part of the reserve, to the south of the drainage ditch and at the bottom of the shingle bank. **1st for SZ79** for many years. This may be var. *compositarum*, which has been recorded elsewhere on Hayling in similar habitat, and deserves further investigation.

Panicum capillare (Witch-grass): Lymington, SZ325955; 30 Oct 2009; MWR. One plant, Angel Courtyard, SZ3251 9556. **1st for SZ39**

☼ *Papaver argemone* (Prickly Poppy): Boscombe Chine, SZ110912; 27 Jun 2010; MR & GCo. Associates of *Chrysanthemum segetum* (SZ1108 9122 to SZ1109 9122) in area sown with "wild flower mix". **New tetrad, 1st in SZ19 since 1950s**

Parthenocissus quinquefolia (Virginia-creeper): Hall Lands, SU509159; 25 Aug 2009; GCo. Seedling in long grass. **1st for SU51**

Petasites japonicus (Giant Butterbur): Ampfield, Jermyns Lane, SU354234; 11 Jun 2009; BGo & JGo. Foliage identified using Poland's key. **1st for SU32**

Petunia x hybrida (Petunia): By B3090 opposite Bushfield Camp, Winchester, SU4686 2703; 15 Oct 2009; PAB. Established throw outs. **1st for SU42**

Phacelia tanacetifolia (Phacelia): Hunts Pond Road allotments, Titchfield Common, SU525060; 13 Oct 2010; MR & GKn. Apparently self-sowing. **1st for SU50**

Phlomis fruticosa (Jerusalem Sage): Lower Tye, Hayling Island, SU728017; 07 Jun 2010; PM. Large shrub with several flowers on open ground at SU72850178. **New vice-county record**

Physocarpus opulifolius (Ninebark): Ambulance Station Carpark, SU422123; 27 Jun 2009; PAB. On waste ground on south side of Charlotte Place - 2 foot tall - probably not planted. **New vice-county record**

☼ *Poa angustifolia* (Narrow-leaved Meadow-grass): South Hayling, SZ715989; 16 May 2010; HFG. Roadside &/or adjacent. **1st for SZ79**

☼ *Polemonium caeruleum* (Jacob's-ladder): Winchester, SU481284; 17 Jun 2010; PM. 8 plants with blue flowers + 1 with white flowers on east bank of River Itchen. **1st for SU42**

Polygonatum multiflorum (Solomon's-seal): Bell's Copse, SU704098, SU705097; 10 May 2009; JAN & DRA. 9 or 10 flowering stems near stream. **1st for SU70**

☼ *Polygonum oxyspermum* subsp. *rail* (Ray's Knotgrass): Scalps off Normandy, Lymington, SZ339939; 2009; JRC. **New tetrad**

☼ *Polypodium cambricum* (Southern Polypody): Nr Winchester College, Winchester, SU482288; 05 Dec 2009; MSt. One plant on wall beside stream, SU 4827 2881. College Walk, Winchester, SU483289; 05 Dec 2009; MSt. On roadside face of wall beside Winchester College, SU 4837 2891. Winchester Cathedral Precinct, SU483292; 05 Dec 2009; MSt. On wall top, beside footpath leading from east end of the cathedral, SU 4835 2921. Cathedral Close, Winchester, SU482292; 05 Dec 2009; MSt. There is a good number of plants ... growing on the wall to the south of the path at the east end of the Cathedral. **1st for SU42**

☼ *Polypodium x shivasiae* (*P. cambricum* x *interjectum*): Winchester, SU485290; 05 Dec 2009; MSt. conf. RCo. North side of weir, between the weir and path - couple of patches of the fern present. **3rd vice-county record, 1st for SU42**

Polypogon viridis (Water Bent): Stokes Bay (Batt. No.2), SZ586988; 07 Sep 2010; JAN. Edge of car park, by cafe. **1st for SZ59**

Pontederia cordata (Pickerelweed): Barton Golf Course, SZ259930; 28 Sep 2009; BGo & JGo. On north side of smaller pond. **1st for SZ29**

Portulaca oleracea (Common Purslane): St Vincent Road E, SU608008; 21 Aug 2009; JAN & DRA. 4 plants in formal raised flower bed, introduced with soil. **1st for SU60**

☼ *Potamogeton pusillus* (Lesser Pondweed): Blashford Lakes: Ibsley Water, SU154088; 26 Aug 2009; HFG. East shore. Conf. by microscopic examination – JAN. **New tetrad**

☼ *Potentilla anglica* (Trailing Tormentil): South Oakley Inclosure, SU224054; 07 Aug 2010; HFG. **New tetrad**. A326 Marchwood, SU380097; 22 Jun 2009; JAN & DRA. Locally frequent, North verge. **New tetrad**. Badminton / Sprats Down, SU4601; 19 Jun 2010; HFG. **New tetrad**

☼ *Potentilla argentea* (Hoary Cinquefoil): Blashford Lakes NR, SU150077; 26 Aug 2009; JAN, DRA & EJC. 10 plants, SU1506 0779 on gravelly track between Ellingham L. & NW part of Ivy Lake. **New tetrad**

☼ *Potentilla x suberecta* (*P. anglica* x *erecta*): South Oakley Inclosure, SU224054; 07 Aug 2010; HFG. 2 plants with both parents, completely sterile and with small flowers. **New tetrad**.

Havant Thicket, SU7110;11; 16 Jul 2009; DRA, JAN et al. Infertile. Bench-confirmed by MR. **1st for SU71**

Prunus domestica subsp. *italica* (Greengage): River Hamble, Durley Mill, SU524151; 11 Aug 2010; MR, EJC & GCo. 8 trees in line, presumably originally planted but outside any garden / orchard boundary. **1st for SU51**
Prunus lusitanica (Portugal Laurel) : Rowlands Castle, SU7310; 28 Feb 2009; MR. **1st for SU71**
Pseudosasa japonica (Arrow Bamboo): Bournemouth cliffs, SZ071900; Apr 2010; EAP. SZ07159004 Clump on cliff. **1st for SZ09**

☼ *Puccinellia distans* (Reflexed Saltmarsh-grass): ;Exbury shore, SZ417997; 04 Jul 2009; HFG. At sz4178 9974. **New tetrad**

☼ *Puccinellia rupestris* (Stiff Saltmarsh-grass): Hayling Island (W), SU711005; 07 Aug 2010; DRA, JAN & EJC. Locally frequent on trodden path (from railway trail to the shore on N side of the saltmarsh). **New tetrad**

Pulmonaria officinalis (Lungwort): Holbury, SU427031; 06 Apr 2010; PM. On west bank at south end of Park Lane. **1st for SU40**

Pyrus communis (Pear): Dibden Bay, SU4108; 22 Jul 2010; MR, GCo & PGS. 3 trees. **1st for SU40 since 1930**

Quercus x rosacea (Q. petraea x robur): Holywell and Cott Street, Swanmore, SU5915; 13 Apr 2010; MR, GCo & MPa. **1st for SU51**

Ranunculus ficaria subsp. *chrysocephalus* (Lesser Celandine): Hillier Gardens, Braishfield, SU3723; 10 Apr 2010; MR & RCR. **1st for SU32**

☼ *Ranunculus lingua* (Greater Spearwort): Nr Iley Lane, Lower Pennington, SZ313933; 18 Jul 2009; DL. SE side of lake N of tip near Iley Lane. **New tetrad**. With other species clearly introduced.

Raphanus sativus (Garden Radish): Lymore Lane, Keyhaven, SZ300920; 09 Aug 2009; MWR. One large plant at edge of pea field, SZ3008 9202. **1st for SZ39**.

Mislingford, SU589142; 22 Sep 2009; GCo. 3 plants on newly dug verge. **1st for SU51**

Rhinanthus minor subsp. *stenophyllus* (Fen Yellow-rattle): Nr Deans Bridge, Mopley, SU459012; 19 Jun 2010; HFG. In mesic fen at SU4597 0127. Well-defined characters. **1st for SU40**

Rhododendron luteum (Yellow Azalea): Nr Asher's Bottom, SU261110, SU262109; 12 May 2010; MR & GCo. NE and SW sides of road on open Forest. **1st for SU21**

☼ *Rosa agrestis* (Small-leaved Sweet-briar): Deadman Hill, Godshill, SU199164; 01 Sep 2010; MR, JAN, DRA et al. conf. PS. SU1993 1649, also in SU - 193164, 193165, 194164, 195164, 196164, 197164, & 198164. **New tetrad**

Rosa multiflora (Many-flowered Rose): Chalton Peak, SU737160; 03 Aug 2009; RMas. Pink-flowered form. **1st for SU71**

☼ *Rosa rubiginosa* (Sweet-briar): May Hill House, SU600177; 04 May 2010; GCo. Acicles on lower stem. **1st for SU61**

Rosa stylosa x canina (*Rosa x andegavensis*) (f x m): Old Winchester Hill, SU6421; 03 Aug 2009; RMas. **1st for SU62**. Chalton Down, SU736149, SU736155; 03 Aug 2009; RMas. **1st for SU71**

Rosa x dumalis (*Rosa caesia x canina*): Old Winchester Hill, SU6421; 03 Aug 2009; RMas. Common. **1st for SU62**.

Butser Hill, SU7119; 03 Aug 2009; RMas. Chalton Down, Chalton; SU7315; 03 Aug 2009; RMas. Common. **1st for SU71**

☼ *Rumex crispus* subsp. *littoreus* (Beach Curled Dock): Eastoke, SZ7598; 29 Jul 2010; MR & GCo. **New tetrad**

☼ *Rumex pulcher* (Fiddle Dock): Tournier Bury Marsh, Hayling Island, SU735004; 08 Sep 2010; JAN, DRA, MR et al. SU 7359 0042, 20 or more plants behind back of shore bank. Tournier Bury Marsh, Hayling Island, SU736002; 08 Sep 2010; JAN, DRA, MR et al. 2 plants, SU 7362 0028. **1st for SU70 since 1930**.

Rumex x duftii (*R. obtusifolius x sanguineus*): Sarum Farm, Winchester, SU451296; 05 Dec 2009; MSt. 1 plant in verge on the west side of road, SU 4518 2963. **1st for SU42**

Rumex x pratensis (*R. crispus x obtusifolius*): Ganger Farm, Romsey, SU3723; 22 Jun 2010; MR & GCo. In W field. S of Charwood Copse, Ashley, SU381297; 08 Oct 2010; MR & RCR. Resown grass strip marginal to arable. **1st for SU32**. Needs Ore, SZ413973; 02 Oct 2009; BGo & JGo. Foliage intermediate and variable. **1st for SZ49**.

Olivers Battery, SU455271; 15 Jun 2010; MR. In fallow grassland. **1st for SU42**

☼ *Salicornia dolichostachya* (Long-spiked Glasswort): Calshot, SU484018, SU485017; 11 Sep 2009; MR, BGo & GCo. Back of bank, edge of dyke / lagoon. **1st in tetrad since 1975**

☼ *Salicornia europaea* (Common Glasswort): Keyhaven Marshes, SZ313918; 11 Sep 2010; HFG. Unusually, edge of saline lagoon behind sea-wall, SZ3136 9183. **New tetrad**

☼ *Salicornia fragilis* (Yellow Glasswort): Pennington / Keyhaven Marshes, SZ318922; 27 Aug 2010; JAN. Presumed to be this species by 'elegant' upright form and bright yellow-green colour. **New tetrad**

Salix x multinervis (*S. aurita x cinerea*): Below Dean's Bridge, SU461013; 19 Jun 2010; HFG. **1st for SU40**

Salix x reichardtii (*S. caprea x cinerea*): Lymington; SZ322944; 16 May 2009; MWR. Tree c. 6m tall, Woodside, Lymington, SZ3226 9445. Very possibly planted. **1st for SZ39**

☼ *Salvia verbenaca* (Wild Clary): Christopher Way, Emsworth, SU749069; 05 Jul 2010; BF. 24 plants, Christopher Way wayside in north Emsworth at the junction with New Brighton Road. SU 7492 0691. **1st for SU70**.

Sarracenia purpurea (Pitcherplant): Acres Down, SU270085; 27 Jun 2010; SCu. Acres Down, SU270088; 04 Aug 2010; MR et al. Some way down tunnel in bog running roughly S from near summit, SU27087 08825. **New tetrad**. Would whoever keeps introducing this into the highest-quality Forest mires please stop it?

Scilla bithynica (Turkish Squill): Great Holywell Copse, SU594152; 13 Apr 2010; MR, GCo & MPa. **1st for SU51**

Sedum forsterianum (Rock Stonecrop): Boscombe Cliffs, SZ1110 9117; 27 Jun 2010; MR & GCo. Naturalising introduction. **1st for SZ19**

Selaginella kraussiana (Krauss's Clubmoss): Holly Hill Woodland Park - Compartment 7b, SU499077; 05 Jan 2009; PAB. Abundant on wet lawn. **1st for SU40**

Setaria verticillata (Rough Bristle-grass): Bransgore, SZ184980; Oct 2010; PMA conf. MR; Voucher Specimen Hb MR. Along the bottom of a wall in a residential area. **1st for SZ19**

Setaria viridis (Green Bristle-grass): Hatchley Lane, Lower Upham, SU518203; 15 Sep 2010; MR & GCo. Rare, Maize field, with more abundant *S. pumila*. **1st for SU52**

Solanum dulcamara var. *marinum* (Shingle Bittersweet): Eastoke, SZ7598; 29 Jul 2010; MR & GCo. **1st for SZ79**

Solanum physalifolium (Green Nightshade): Cherque Way, SU571011; 04 Sep 2010; JAN det. EJC. **1st for SU50**

Solidago gigantea (Early Goldenrod): Dean, nr Winchester, SU4431; 16 Sep 2010; BGo & JGo. In lane in front of gardens in village. **1st for SU43**

Sorbus hybrida (Swedish Service-tree): SW of Brownwich Lake, SU5185 0382; 30 Aug 2009; PAB. Specimen retained. **1st for SU50**

Spiraea douglasii (Steeple-bush): King's Somborne, SU3530; 07 Sep 2010; MR & RCR. **1st for SU33**

Stachys byzantina (Lamb's-ear): Lower Preshaw Lane, SU565217; 20 May 2010; GCo. **1st for SU51**

Stachys x ambigua (Hybrid Woundwort) (*S. palustris* x *sylvatica*): Twyford Down, SU490277; 30 Jun 2010; MR, NJ & GCo. Single patch in area of cleared scrub, SU4902 2772. **1st record in SU42 since 1922**

☼ *Torilis arvensis* (Spreading Hedge-parsley): The Old Farm House Havant, SU721053; 29 Jul 2010; 8 plants. Subsp. *arvensis*. Garden weed. Confirmation of record made 20 Jul 2010 by JRWH. **1st for SU70**

Tragopogon porrifolius (Salsify): Oliver's Battery, SU456271; 23 May 2010; PM. Large patch on north side of path for 1.5 metres at SU4562 2716 + single plants at SU4561 2716 and SU4560 2715. **1st for SU42**

☼ *Trifolium glomeratum* (Clustered Clover): Salterns Road, Hill Head, SU547018; 03 Jun 2010; JAN. Abundant in mown grassy S-facing bank of lane, between c. SU 5479 0190 and 5480 0189 - covering about 16m x 1m. New site and only confirmed record for SU50. Recorded for Hill Head by Townsend according to 'The Insects and plants of Titchfield Haven', Appleton et al. 1983. **1st for SU50 since ?1900**

Trifolium incarnatum subsp. *incarnatum* (Crimson Clover): Hunts Pond Road allotments, Titchfield Common, SU525060; 13 Oct 2010; MR & GK. Perhaps originally sown but persisting in one bed. **1st in SU50 since 1957**

☼ *Trifolium suffocatum* (Suffocated Clover): Wessex Way verge, SZ09539195; 09 May 2009; RMW. **New tetrad**

Tristagma uniflorum (Spring Starflower): Linden Grove, Chandlers Ford, SU431218; 21 Apr 2010; MR & RCR. Garden escape as pavement weed. **1st for SU42**

Ulmus minor subsp. *minor* (Small-leaved Elm): Lower Swanwick, SU4908; 08 Jun 2010; MR. **New tetrad**

☼ *Utricularia bremii* (Bremi's Bladderwort): Woodfidley Passage, Denny Lodge, SU3405; 25 Aug 2010; MR & ASm. First found by ASm in the early 1990s and conf. A. Fleischmann & Dr J. Schlueter in 2008. **New vice-county record**

☼ *Valerianella dentata* (Narrow-fruited Cornsalad): South of Old Winchester Hill Nature Reserve, SU635203; 17 Jul 2010; NMR. c. 100 plants growing with *Kickxia elatine* and *Sherardia arvensis*, concentrated in corner of field where the south downs way goes into Mill End lane. **New tetrad**.

South of Old Winchester Hill Nature Reserve, SU642203; 17 Jul 2010; NMR. c. 200 plants growing along edge of arable field, along footpath (South Downs Way) with *Kickxia spuria*, *Sherardia arvensis* and *Legousia*. **New tetrad**

☼ *Veronica catenata* (Pink Water-speedwell): Tournier Bury Marsh, Hayling Island, SU7300; 08 Sep 2010; DRA, JAN, MR et al. Wet ditch. **1st in SU70 since ?1960**

☼ *Viola lactea* (Pale Dog-violet): Badminton Common, Blackfield, SU459019; 19 Jun 2010; HFG. **New tetrad**. Badminton Common; SU460019; 19 Jun 2010; HFG. At / around SU4604 0196. **New tetrad**

Viola odorata var. *dumetorum* (Sweet Violet): Finchdean, SU7313; 24 Apr 2010; AMar conf. MR. **New tetrad**

Viola odorata var. *praecox* (Sweet Violet): Chandlers Ford, SU435220; 05 Apr 2010; MR. Escaped into roadside verges and amenity grassland. **1st for SU42**

☼ *Viola riviniana* x *lactea*: Boundway Hill, Sway, SZ262987; 16 May 2010; MR & GCo. Associates of *V. lactea* at SZ2622 9874. **New tetrad**.

Badminton Common, SU460019; 19 Jun 2010; HFG. At / around SU4604 0196 with both parents. **New tetrad**

Viola x bavarica (*V. reichenbachiana* x *riviniana*): Ham Green, SU4330; 09 Apr 2010; MR. Pollen checked. **1st for SU43**

Vulpia myuros (Rat's-tail Fescue): Eastoke, SZ7598; 29 Jul 2010; MR & GCo. **1st for SZ69**

☼ *Zostera marina* (Eelgrass): Off Needs Ore Point, SZ430969; 2009; HIWWT survey team. Drop-down and handheld cameras. **New tetrad.**

Off Lepe; SZ4497, SZ4597; 2009; HIWWT survey team. Drop-down and handheld cameras. **New tetrad.**

Off Brownwich, SU5103; Sep 2009; HIWWT survey team. **New tetrad**

☼ *Zostera noltei* (Dwarf Eelgrass): Off Brownwich, SU5202, SU5203; HIWWT survey team. **New tetrad.**

Foxbury, SU5904; HIWWT survey team. **New tetrad.**

Fareham Lake, SU6004, SU6104; 2009; HIWWT survey team. **New tetrad**

Martin Rand, 21 Pine Road, Chandlers Ford, Eastleigh, Hants SO53 1LH.

Tel: 07531 461442

Email: vc11recorder@hantsplants.org.uk

VC12 Records compiled by Tony Mundell

Once 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.

Following the publication of the 3rd edition of 'Stace' in 2010 we have decided to use the nomenclature in that volume. I have added the previous 2nd edition name within square brackets.

In 2010 I checked more than 30 former sites for Juniper (not including the huge colonies still at Porton Down). This generated far too much data to repeat here, but as expected there have been major losses, as Juniper rarely manages to produce seedlings that survive to maturity. I was delighted to find two tiny seedlings only 1cm high on Leckford Golf Course, but when I went back a few months later to photograph them, they had already been eaten off by rabbits. Together with other volunteers I am now trying to count the thousands of Junipers at Porton Down. When they were last systematically counted in 1970 by Lena Ward there were c.5,700 bushes in the Hampshire parts of nine 1km squares (and many more than that in the Wiltshire part of Porton Down). There is also a project at Porton to propagate plants from cuttings and seed, and similar work involving Plantlife is underway at many other sites, including Noar Hill and Ashford Hangers.

I have included a number of records for rose hybrids, including most of those pointed out by Paul Stanley during the Hants Flora Group meeting at Noar Hill on 5 September. Note that by convention for roses the female parent is given first, and *Rosa canina* x *stylosa* looks different to *Rosa stylosa* x *canina*. However the hybrid names that include an 'x' like *Rosa* x *andegavensis* covers either of the combinations above. One of the specimens from Paul's meeting sent to Roger Maskew for determination turned out to be *R. x dumalis*. As one of its parents, *R. caesia*, has a distinctly northern distribution I had not thought of looking out for it, but Roger assured me that *R. x dumalis*, the hybrid between *R. caesia* and *R. canina* is quite common even in southern England. I have evidently been overlooking *R. x dumalis* as *R. canina*, but soon found some once I was aware of its characters.

I have also included a few records for Stoneworts. You won't find these in most flower books as they are not vascular plants, but are in a family of green algae known as Charophytes. They have often historically been regarded by many botanists as 'honorary plants' partly because they have a superficial resemblance to 'real' aquatic plants like *Ceratophyllum* or *Myriophyllum*.

I have a correction to the previous Flora News. For Alex Cruickshank's record for *Lycopodiella inundata* on 3 June 2010, I wrote that Chris Hall confirmed it on 4 Jun 2010 growing amongst c.700 *Drosera intermedia*. That should have read *Drosera rotundifolia*.

Abutilon theophrasti (Velvetleaf) S of Thruxton Race Circuit SU2755 4505, Hants Flora Group 10 Oct 2010.

Acer rubrum (Red Maple) A single large spreading tree at Leckford Golf Course 3706 3655 on the steep chalky slope recently cleared of scrub. First noted by Glynne Evans who sent photos taken in April & July 2010 to Tony Mundell, who had found it independently on 20 Jun 2010. Specimen and photos confirmed by Cameron Crook.

Acorus calamus (Sweet-flag) Winnall Moors, Winchester, accessible plants at 4906 3926 and 49133035 probably still widespread, Barry Goater 28 Sep 2010.

Agrimonia procera (Fragrant Agrimony) Beside the main gravel track at Longmoor 7847 2953 and 7857 2963, Tony Mundell 29 Jul 2010. A few at Eelmoor Marsh 8359 5328 Tony Mundell 5 Aug 2010. At Hawley Common 83480 58171 on edge of gravel track, capsules checked carefully, Matthew Berry & Roy Wells 19 Aug 2010.

Ajuga chamaepitys (Ground-pine) 30 plants at SE of Freefolk Wood 5040 4392, Tony Mundell with Reading District Nat. Hist. Soc. 24 Jul 2010. 43 plants counted at c.503439 in a c.50m strip along field margin, Gareth Knass 19 Jul 2010 (but Gareth said that Plantlife counted 77 individuals a month or so later).

Amaranthus bouchonii (Indehiscent Amaranth) S of Thrupton Race Circuit 2752 4496, capsule not splitting, Hants Flora Group 10 Oct 2010.

Amaranthus hybridus (Green Amaranth) S of Thrupton Race Circuit 2754 4506. Hants Flora Group 10 Oct 2010 (many scattered plants of *Amaranthus retroflexus* also found).

Anagallis arvensis subsp. arvensis f. azurea (Scarlet Pimpernel azure form) South Wonston 4612 3564, several plants along field border with typical form, 17 Sep 2010; Chilbolton 4095 3984, several plants, under microscope hairs 3-celled, 3 Sep 2010. Both Barry & Jane Goater.

Apium graveolens var. dulce (Celery) S of Thrupton Race Circuit 2763 4498, Hants Flora Group 10 Oct 2010.

Baldellia ranunculoides (Lesser Water-plantain) Eelmoor Flash, 65 young plants, with a few already up to flowering size, at 8425 5281 in area scraped with a JCB last autumn, there are probably more small seedlings as I did not have time for a thorough search, Tony Mundell 20 Aug 2010 (this colony and others noted nearby at 8422 5276, Tony Mundell & Fred Rumsey 30 Jul 2010).

Berberis vulgaris (Barberry) Gracious Street, Selborne, a large bush, covered in fruit at 7377 3373, the native species but close to houses, Hants Flora Group 5 Sep 2010.

Buddleja x weyeriana (B. davidii x globosa) S of Thrupton Race Circuit 2780 4524, two bushes in flower, Hants Flora Group 10 Oct 2010.

Butomus umbellatus (Flowering Rush) Several flowering clumps at Turners Pond, Elvetham Heath 8018 5541, Tony Mundell 24 Jul 2010, presumably planted.

Camelina sativa (Gold-of-pleasure) Roundwood Estate 5135 4480 in sown game strip, Tony Mundell with Reading District Nat. Hist. Soc. 24 Jul 2010. Specimen in Hb.ARG.M.

Campanula persicifolia (Peach-leaved Bellflower) One on east side of path at Isington 7800 4257, Ted Pratt 18 Oct 2010.

Campanula poscharskyana (Trailing Bellflower) Harestock, Winchester, bank on Hampton Lane, 4645 3026, Barry & Jane Goater 14 Sep 2010.

Carex elata (Tufted Sedge) Winnall Moors 491 305, several clumps around fishing lakes, Barry & Jane Goater 28 Sep 2010.

Carex pallescens (Pale Sedge) Aldersbrook, Headley, several at 5049 6286 in flower-rich meadow, Hants Flora Group 25 Jul 2010.

Carex rostrata (Bottle Sedge) Locally plentiful at Liss Forest, Longmoor 7829 2982 around pond, Tony Mundell 29 Jul 2010.

Carex strigosa (Thin-spiked Wood-sedge) SE of Ashford Hill in shady ditch at 5771 5990, 5776 5996, 5777 5997 to 5779 5998, Tony Mundell 17 Aug 2010.

Carex vesicaria (Bladder-sedge) At Bramshill, Old Chapel Farm, 7584 6296 on island in pond, with a smaller patch at adjacent pond edge, and covering several square metres at 7581 6295, and a small patch 1m x 0.5m at 7591 6297, Tony Mundell 10 Aug 2010.

Centaurea cyanus (Cornflower) Stony Heath, Ramsdell, two plants at 5781 5861, recent ditching work along the field edge here at may well have brought up some old seed, Andrew Bolton 28 Jul 2010. However on a later visit on 14/08/10, it looks as though a pollen and nectar strip has been sown, which wasn't so evident on the July visit.

Cerintho minor (Lesser Honeywort) S of Thrupton Race Circuit, one plant in seed at 2754 4503, Hants Flora Group 10 Oct 2010.

Cerintho major (Greater Honeywort) S of Thrupton Race Circuit, 2779 4510, one plant in flower, Hants Flora Group 10 Oct 2010.

Chaenorhinum origanifolium (Malling Toadflax) S of Thrupton Race Circuit, single small plant, now dying, at 2759 4497, Hants Flora Group 10 Oct 2010, where first found by Miles Hodgkiss 19 Aug 2010.

Chara vulgaris (Common Stonewort) Specimens of both var. *papillata* and var. *vulgaris* growing with two other Stonewort species (*C. hispida* and *Tolypella glomerata*) at Eelmoor Flash 8425 5279 where a scrape was made last autumn to encourage *Baldellia ranunculoides* and other plants, Tony Mundell 20 Aug 2010, specimens det. Nick Stewart 13 Nov 2010.

Chara hispida (Bristly Stonewort) 33 plants at Eelmoor Flash 8425 5279 where a scrape was made last autumn to encourage *Baldellia ranunculoides* and other plants, Tony Mundell 20 Aug 2010, specimens det. Nick Stewart 13 Nov 2010.

Chenopodium bonus-henricus (Good-King-Henry) Aldersbrook, Headley, abundant at 5071 6301 as a weed in a garden, presumably originally planted, Hants Flora Group 25 Jul 2010.

Chenopodium giganteum (Tree Spinach) Roundwood Estate, several plants at 5135 4480 scattered in arable strip sown for game birds, Tony Mundell with Reading District Nat. Hist. Soc. 24 Jul 2010, plants all immature and not flowering, but specimen confirmed John Poland.

Chenopodium glaucum (Oak-leaved Goosefoot) At least 20 plants at 4968 3041 on the south part of the M3 junction 9 roundabout, Tony Mundell 11 Sep 2010, also noted by Barry Goater 4 Sep 2010.

Citrullus lanatus (Water Melon) S of Thrupton Race Circuit, one plant flowering at 2753 4495, Hants Flora Group 10 Oct 2010.

Claytonia sibirica (Pink Purslane) Ashford Hill Meadows 564617, several clusters of plants amongst damp alder carr, Andrew Bolton 5 May 2010.

Clinopodium ascendens (Common Calamint) South Wonston, roadside 46013567, several plants, Barry & Jane Goater 17 Sep 2010.

Coeloglossum viride (Frog Orchid) Noar Hill 741320, eight flower spikes on a parched chalky ridge, remarkably for this time of year, all looking fresh some with buds still unfurling, Clive & Catherine Chatters 18 Sep 2010.

Crepis biennis (Rough Hawk's-beard) Anton Lakes, Coleman's Hill 358468, Mike Wildish 5 Jul 2010, but only found one plant this year as the area is now grazed (Mike saw it here in 1997).

Cucumis melo (Melon) S of Thrupton Race Circuit, one plant flowering at 2753 4502, Hants Flora Group 10 Oct 2010.

Cuscuta epithymum (Dodder) Longmoor, patches on mown heather at 7841 2941, 7834 3046, 7839 2941 and locally abundant in an area 10m x 5m at 7853 2946 to 7853 2948, Tony Mundell 29 Jul 2010.

Cynara scolymus (Globe Artichoke) S of Thrupton Race Circuit, 2722 4489, Ted Pratt & David Leadbetter 21 Aug 2010.

Dactylorhiza x grandis (*D. fuchsii x praetermissa*) Several very robust spikes of this hybrid at Headley 5195 6262 mixed with pure *D. praetermissa* (Southern Marsh Orchid) c.23 spikes in all, Tony Mundell 25 Jul 2010.

Datura stramonium var. chalybaea (Purple-flowered Thorn-apple) S of Thrupton Race Circuit, one plant in flower at 2753 4506, with many of the usual white-flowered form scattered nearby, Hants Flora Group 10 Oct 2010.

Dipsacus pilosus (Small Teasel) A single plant on bank of River Whitewater at Heckfield 7395 6106, Alison Cross 9 Aug 2010.

Elymus caninus (Bearded Couch) Aldersbrook, Headley 5065 6304 near footbridge over stream and in wood at 5056 6280, Hants Flora Group 25 Jul 2010.

Epilobium palustre (Marsh Willow-herb) 35 plants at 8273 5695 on south side of the bog at Foxlease Pond, Chris Hall 28 Jul 2010.

Epipactis purpurata (Violet Helleborine) Ecchinswell, Springbourne Stud Farm, clump with three flower stems under an oak at 5005 6124 and another clump with eight flower stems under an adjacent oak at 5006 6124. Although definitely *E. purpurata* these plants are unusual as the flowers go pink as they age, Tony Mundell 12 Aug 2010. An additional spike was found at 50044 61221 up against the boundary hedge by Gareth Knass & Tony Mundell on 17 Aug 2010. Again it is a very unusual pink-flowered form, but clearly *E. purpurata*. Typical plants seen by Hants Flora Group on 25 Jul 2010 at Aldersbrook, Headley, with 7 spikes at 5075 6284, 3 at 5073 6283, one at 5075 6276 and one at 5074 6318. Two robust spikes in green seed SE of Ashford Hill at 5729 6024, Tony Mundell 17 Aug 2010. At Axmansford 5682 6095 beside the drive to Little Ham Farm, photos of a plant in green seed showing the characteristic narrow leaves, Andrew Bolton 16 Oct 2010. A solitary plant on a wood bank at 648346, beneath an ash stool, along south-east boundary of an isolated wood west of Soldridge, Geoff Farwell 27 Aug 2010.

Equisetum dycei (*E. fluviatile x palustre*) Eelmoor Flash, shown to Tony Mundell by Fred Rumsey, who first recorded it here on 25 Jul 2009. It occupies quite a large area centered at 8423 5279 but *E. x litorale* is also there confusing identification. *E. palustre* and *E. fluviatile* also nearby.

Eruca vesicaria (Garden Rocket) Along E margin of Recreation Ground, Kings Worthy 492323, Barry & Jane Goater 25 Sep 2010.

Euphorbia characias (Mediterranean Spurge) S of Thrupton Race Circuit, one plant at 2758 4495, Hants Flora Group 10 Oct 2010. Also nearby at 2727 4484 beside road, Tony Mundell & Miles Hodgkiss 7 Oct 2010.

Euphorbia cyparissias (Cypress Spurge) S of Thrupton Race Circuit, at 2764 4498, Hants Flora Group 10 Oct 2010. Also nearby at 2750 4500, Tony Mundell & Miles Hodgkiss 7 Oct 2010.

Euphorbia myrsinites (Broad-leaved Glaucous-spurge) S of Thrupton Race Circuit, one plant at 2756 4496, Hants Flora Group 10 Oct 2010.

Euphorbia oblongata (Balkan Spurge) S of Thrupton Race Circuit, at 2752 4507, Hants Flora Group 10 Oct 2010. Also nearby at 2725 4489, Tony Mundell & Miles Hodgkiss 7 Oct 2010.

Euphrasia micrantha (an Eyebright) A colony at Woolmer, Linchborough 8139 3343 on the SW side of the open grassy site for *Arabis glabra* (of which I can find no trace, though two plants were reported earlier this year), Tony Mundell 2 Sep 2010.

Euphrasia nemorosa x confusa (an Eyebright) Noar Hill, pointed out by Martin Rand at 7426 3190 and 7408 3186, Hants Flora Group 5 Sep 2010.

Euphrasia pseudokernerii (an Eyebright) In herb-rich grassland at Atners Hill, Leckford 3657 3671, Tony Mundell 26 Sep 2010, scanned specimens confirmed by Martin Rand. E of Hurstbourne Tarrant 4002 5280, 4002 5305 and 4005 5309 growing near *E. nemorosa* for comparison, Tony Mundell 12 Sep 2010. Specimens collected from very large flowered plants at Rushmore Down 3481 5446 key to this, Tony Mundell 12 Sep 2010. Noar Hill, pointed out by Martin Rand at 73941 31943, 73970 31948 and 74009 31933, HFG meeting 5 Sep 2010. It is probably in many other places at Noar Hill.

Fagopyrum esculentum (Buckwheat) Abundant across a fallow field centered at Rushmore Down 3437 5413, evidently sown with several species for game, Tony Mundell 12 Sep 2010.

Fallopia sachalinensis (Giant Knotweed) Still present at Sutton Scotney 4651 3995 beside the roundabout, opposite a garage, despite attempts to remove it in 2008, Tony Mundell 7 Nov 2010.

Filago lutescens (Red-tipped Cudweed) Fleet c.812563, 40 plants estimated, possibly a few more, along c.30m x 5m of road verge at junction between B3013 and entrance to Broomhurst Farm Cattery, Gareth Knass 25 Jul 2010.

Fuchsia magellanica South Wonston 4619 3564, one plant in rough ground not far from houses, flowering, Barry and Jane Goater 17 Sep 2010.

Fumaria densiflora (Dense-flowered Fumitory) Chilbolton Down 416369, two plants on opposite sides of track, on disturbed ground at field margins, Barry & Jane Goater 12 Sep 2010. Several plants along field margin, South Wonston 46313563, Barry & Jane Goater 17 Sep 2010. S of Thruxton Race Circuit, at 2792 4525, 2753 4504 and 2752 4494, Hants Flora Group 10 Oct 2010. Also nearby at 2759 4498 and 2758 4496, Ted Pratt & David Leadbetter 21 Aug 2010 and also 2756 4506, Tony Mundell & Miles Hodgkiss 7 Oct 2010. Few amongst much *F. officinalis* at Roundwood Estate 5092 4427 and 5156 4491, Tony Mundell with Reading District Nat. Hist. Soc. 24 Jul 2010.

Fumaria muralis* subsp. *boraei (Common Ramping-fumitory) S of Thruxton Race Circuit, one plant at 2753 4495, Hants Flora Group 10 Oct 2010. Amongst maize crop at Crawley 4134, Barry & Jane Goater 7 Sep 2010.

Fumaria parviflora (Fine-leaved Fumitory) One plant shown to Gareth Knass by Phil Wilson and Kate Still on 16 Jun 2010 at Roundwood Estate c.5079 4434 on an arable edge.

Geranium phaeum* var. *punctata (Dusky Crane's-bill) S of Thruxton Race Circuit, 2759 4496, var. *punctata* with dark spots on leaves, Hants Flora Group 10 Oct 2010.

Geranium pusillum (Small-flowered Crane's-bill) East of Chilbolton 406395 on disturbed ground, Barry & Jane Goater 3 Sep 2010. North of Littleton 462335 in headland near A34 roundabout, Barry & Jane Goater 7 Oct 2010. West Stoke Farm 4841 3721, extensive patch on field margin and elsewhere, Barry & Jane Goater 9 Oct 2010.

Geranium robertianum (Herb Robert) S of Thruxton Race Circuit, at 2767 4499 several plants with white flowers, Hants Flora Group 10 Oct 2010, and more surprising Miles Hodgkiss photographed white and pink flowers on the same plant here.

Gnaphalium sylvaticum (Heath Cudweed) In addition to the hundreds of rather small plants at Longmoor, Liss Forest 7960 3003, the colony extends with hundreds more in 7958 3001, 7959 3001 and amongst Calluna and small conifers in 7959 3000, with a few outliers beside the main gravel track to 7955 3000, but most are droughted and not flowering, Tony Mundell 29 Jul 2010. 63 rosettes and small groups through 4m of heath at Warren Heath 7793 5892, plus two small groups at 7792 5893 on track margin, also two plants at 7793 5899 on margin of a forest ride, Chris Hall 5 Aug 2010.

Guizotia scabra S of Thruxton Race Circuit, at 2754 4506, Hants Flora Group 10 Oct 2010, specimen det. Eric Clement 16 Oct 2010 "probably new to Britain".

Hirschfeldia incana (Hoary Mustard) Two large plants with flowers and fruit at 4779 3031, at extreme north end of Winchester Station car park, Barry & Jane Goater 1 Oct 2010.

Hottonia palustris (Water Violet) Six rosettes at Fleet Pond in Coldstream Ditch 8254 5493 (which had been cleared by the rangers early in 2010), this was one of the 1984 introduction sites, but it did not survive long at that time, Chris Hall 22 Oct 2010.

Hyoscyamus niger (Henbane) W of Wootton St Lawrence, the whole field centered on 57423 53947 is almost a biculture of *Mercurialis annua* and *Hyoscyamus niger*, Ian Denholm 24 Jul 2010.

Illecebrum verticillatum (Coral Necklace) Locally abundant in puddles at Longmoor, Liss Forest 7853 2959, Tony Mundell 5 Oct 2010.

Impatiens parviflora (Small Balsam) Along 110m of S side of Honey Lane, Selborne 7453 3330 to 7462 3337, Ted Pratt 11 Sep 2010.

Lathyrus tuberosus (Tuberous Pea) S of Thruxton Race Circuit, many plants, some still flowering, at 2752 4506, Hants Flora Group 10 Oct 2010.

Legousia hybrida (Venus's-looking-glass) S of Freefolk Wood 503439, abundant in a c.50m x 3m stretch of the headland, Gareth Knass 19 Jul 2010.

Leonurus cardiaca (Motherwort) S of Thruxton Race Circuit, single plant at 2779 4513, Hants Flora Group 10 Oct 2010.

Lotus corniculatus* var. *sativus Plants with hollow stems on track verge with arable at Ibthorpe 377532 - probably sown but now established, Peter Billingham 1 Sep 2010. This European alien variety evidently sown on the Roundwood Estate at 5151 4481 and 5090 4425, Tony Mundell with Reading District Nat. Hist. Soc. 24 Jul 2010.

Lycopodiella inundata (Marsh Clubmoss) Bramshill, Birch Bottom 13 plants at 7704 5897, including seven with strobili, Chris Hall 5 Aug 2010. Hawley Common, hundreds on disused track starting at 83582 58030, and a few plants on bare peat of fire break at 83647 58048, Matthew Berry and Roy Wells 19 Aug 2010.

Menyanthes trifoliata (Bogbean) Crawley, small pond at 4256 3524, Barry and Jane Goater 24 Aug 2010. Wonston, beside R. Dever 4739, Barry and Jane Goater 1 Sep 2010. Rushmoor Flash, now so abundant here that it is even out-competing the *Crassula helmsii* by shading it, Tony Mundell 2 Aug 2010.

Narthecium ossifragum (Bog Asphodel) Locally in ditches and patches of sphagnum bog at Longmoor 7861 3073, 7860 3074 and 7859 3077, Tony Mundell 29 Jul 2010. A patch 10m across at Woolmer Forest 79325 33816, a small patch 1m across at 79318 33758 with a few scattered plants nearby, shown to ARGM by John Buckley 4 Nov 2010.

Osmunda regalis (Royal Fern) Two plants at Bourley, Aldershot 8296 5015 a couple of metres north of the Myrica/willow dominated glade, within a foot of each other, both with the remains of sporangia, Alex Cruickshank 29 Sep 2010. Six or seven crowns clustered together in one spot near a ditch at Woolmer Forest 79285 33865 shown to ARGM by John Buckley 4 Nov 2010.

Petroselinum segetum (Corn Parsley) About six rabbit-cropped plants at 2794 4524, S of Thrupton Race Circuit, Hants Flora Group 10 Oct 2010.

Plantago major* subsp. *intermedia Two plants at 2781 4510, S of Thrupton Race Circuit, Hants Flora Group 10 Oct 2010, photo taken, leaves with only 3 veins, pointed at apex and with toothed edges.

Populus nigra* subsp. *betulifolia (Black Poplar) A huge high level pollard at 71593 50845, north of Greywell Mill, "possibly the largest Black Poplar in the UK, with a bole around 8 feet in diameter", Ken Adams 7 Aug 2010. (In 2010 Ken also visited most of the known VC12 sites for this rare tree).

Pyrola minor (Lesser Wintergreen) Longmoor, at south side of the main gravel track, 15 spikes (now over) at 7914 2972 plus a patch 1.5m x 1m at 7912 2971, Tony Mundell 29 Jul 2010. Patch 4m x 2.5m at Longmoor 7909 2969 under pine tree beside main track, Tony Mundell 5 Oct 2010.

Rhynchospora alba (White Beak-Sedge) Longmoor, in area of sphagnum at 7859 3077, Tony Mundell 29 Jul 2010.

Rosa arvensis* x *canina The bush at Noar Hill c.73884 31943 inside Quarry Pit was confirmed by Paul Stanley on 5 Sep 2010 as this hybrid (it was first found ARGM 12 Sep 2007 and a specimen collected on 23 Aug 2008 was confirmed by Roger Maskew). The plant originally recorded by Paul Stanley in Sep 2001 at "S entrance in scrub just west of a small chalk pit by entrance gate" was relocated by Paul on 5 Sep 2010 at 73873 31938. It is a small bush beside the main track just outside Quarry Pit, and had evidently been cut back during scrub clearances in the past, so was not yet fruiting much.

Rosa canina* x *obtusifolia Confirmed by Paul Stanley on 5 Sep 2010 at Noar Hill 74215 32030 directly opposite the northern entrance gate beside the main track at the scrub/tree edge (where first recorded by ARGM & Steve Povey on 15 Sep 2001, specimen then det. Rev A Primavesi).

Rosa canina* x *rubiginosa SE of Burghclere at 4610 6064, Peter Billingham 4 Sep 2010, determined by Mr. R. Maskew, stating: "I think you can record both *R. rubiginosa* and *R. canina* x *rubiginosa* from this spot. Judging by the photographs it looks as though it has been planted here and no doubt there has been some back-crossing."

Rosa canina* x *stylosa Pointed out by Paul Stanley 5 Sep 2010 at Noar Hill 73955 31945, 73944 31932 and 74168 31913.

Rosa micrantha* x *canina At Noar Hill 74125 32090, specimen det. Roger Maskew 10 Sep 2010 as *R. micrantha* (female) x *canina* (male), confirming the suggested identity by Paul Stanley 5 Sep 2010. Beside path and gate at Ibthorpe 3791 5386, Peter Billingham 4 Sep 2010, Mr. R. Maskew states: "...specimen clearly is *R. micrantha* but hips vary in size, one or two being rather large, and a few of the prickles appear more typical of *R. canina*, so on balance this should be recorded as *R. micrantha* (female) x *canina*."

Rosa micrantha* x *rubiginosa At Noar Hill 7417 3191 growing adjacent to *R. canina* x *stylosa*, specimen det. Roger Maskew 10 Sep 2010 as *R. micrantha* (female) x *rubiginosa* (male), confirming Paul Stanley's original suggested identity on 5 Sep 2010. Paul also confirmed on 5 Sep 2010 the known bush on the east side of the track at Noar Hill 7337 3358. (This had been first recorded ARGM 3 Jul 2007 and confirmed by Roger Maskew by a specimen collected on 16 Sep 2008).

Rosa rubiginosa* x *canina Still present in NE roadside hedge of Gracious Street, Selborne 7377 3383, Paul Stanley 5 Sep 2010 (where first noted by ARGM 16 Sep 2008, specimen det. Roger Maskew).

Rosa stylosa* x *arvensis On 5 Sep 2010 Paul Stanley confirmed the known bush on the west side of the track at Selborne Hill 7336 3358, which has climbed to about 5.5m high with slender stems. (A specimen collected ARGM 16 Sep 2008, was confirmed by Roger Maskew). At Beacon Hill, Burghclere 4574 5695 at bottom of steep slope, growing near ten bushes of typical *R. micrantha*, Tony Mundell 17 Sep 2010, specimen det. Roger Maskew 29 Sep 2010 as *R. stylosa* (female) x *R. arvensis* (male).

Rosa stylosa* x *canina The bush overhanging the edge of Quarry Pit at Noar Hill 7389 3194 was confirmed by Paul Stanley on 5 Sep 2010 (it had also earlier been confirmed by Roger Maskew). At Ashford Chace 7396 2664 beside footpath, Tony Mundell 18 Sep 2010.

Rosa x belnensis (*R. agrestis* x *canina* or vice-versa) The well-known bush of this rare hybrid at Noar Hill 74036 31884 in Horse-shoe Pit is still present, Paul Stanley 5 Sep 2010. (There seems doubt which is the female parent so I am amending all records of it here to the undirectional hybrid).

Rosa x dumalis (*R. canina* x *caesia* or vice-versa) At Noar Hill 7400 3194 with almost spherical large hips with a flat disc and purple/red stems, suggested as a possible *R. canina* x *arvensis* by Paul Stanley 5 Sep 2010, but specimen det. Roger Maskew 10 Sep 2010 who commented "the purple/red pigment has come from *R. caesia*, apart from this there are no obvious *R. arvensis* characters". At Micheldever 5073 4300 on minor road just south of tunnel beneath A303 and nearby at 5073 4293, Tony Mundell 14 Sep 2010, det. Roger Maskew 29 Sep 2010 as *R. x dumalis*, *R. caesia* subsp. *vosagiaca* x *canina*.

Saponaria ocymoides (Rock Soapwort) At 2765 4502, S of Thruxton Race Circuit, Hants Flora Group 10 Oct 2010.

Silaum silaus (Pepper Saxifrage) A few plants at Aldersbrook, Headley 5059 6289, Hampshire Flora Group 25 Jul 2010. Burghclere 4759 5927 and 4746 5928 – latter site now badly overgrown and crowding out this species, Peter Billingham 24 Jul 2010.

Solanum physalifolium (Green Nightshade) One large plant E of Kingsley at 7960 3841 on sandy soil dug from a new ditch near the roadside, Tony Mundell 1 Sep 2010 (this was a former site for *Turritis glabra* [*Arabis glabra*] (Tower Mustard) but despite the splendid disturbance it failed to reappear).

Solanum rostratum (Buffalo-bur) S of Thruxton Race Circuit at 2777 4511, single plant in flower, Ted Pratt and David Leadbetter 21 Aug 2010 (where first found by Miles Hodgkiss on 19 Aug 2010).

Solidago virgaurea (Goldenrod) Small colony on both sides of main track at Longmoor 7862 2964, Tony Mundell 5 Oct 2010.

Sorbaria sorbifolia (Sorbaria) S of Thruxton Race Circuit at 2765 4499, Miles Hodgkiss 17 Oct 2010, identified by ARGM from photos.

Spergularia marina (Lesser Sea-spurrey) Still in some quantity around rim of M3/A34 roundabout at Winnall 496304, Barry Goater 4 Sep 2010. Locally plentiful on verge of slip-road leaving north-bound M3 at junction 5, Tony Mundell 26 Sep 2010. Two patches c.75cm x 90cm at Aldershot SU8533 5082 on verge of A325 by the large roundabout at end of Wellington Avenue, Chris Hall 29 Oct 2010.

Spiranthes spiralis (Autumn Lady's-tresses) Total of 106 spikes in garden lawns of No.60, 62, 64, 66 and 68, Portway, Heath End, 5798 6229 to 5794 6230, Jean Pennington 1 Sep 2010. Several spikes visible from road in lawn of No.90, Franklin Avenue, Tadley, Jean Pennington 8 Sep 2010. Sutton Scotney 4639 3958, 30 flowering stems on grass in front of Fire Station, Barry and Jane Goater 1 Sep 2010.

Tetragonolobus maritimus (Dragon's-teeth) Still flowering on 5 Sep at Noar Hill 7426 3194 in Wayfaring Pit, Hants Flora group visit.

Thalictrum flavum (Common Meadow-rue) Lower Bullington, abundant with thousands of plants extending 4565 4127 to 4571 4129 in an overgrown damp meadow, Tony Mundell, 28 Jul 2010.

Thesium humifusum (Bastard Toadflax) Patch flowering at Porton Down 24087 36463, right on VC8/12 border, plus patches at 24097 36589 and 24088 36576, just in VC12, Ailsa McKee 5 Sep 2010.

Teucrium botrys (Cut-leaved Germander) Micheldever Spoil Heaps 519444, not counted but reasonably abundant on SW end of main spoil heap area, Gareth Knass 19 Jul 2010.

Tolypella glomerata (Clustered Stonewort) A few plants growing amongst *Chara vulgaris* and *Chara hispida* at Eelmoor Flash 8425 5279 where a scrape was made last autumn to encourage *Baldellia ranunculoides* and other plants, Tony Mundell 20 Aug 2010, specimen det. Nick Stewart 13 Nov 2010 who commented that August was an unusual time to find this Nationally Scarce species as it is a winter/spring annual that is not usually found before October.

Turritis glabra [*Arabis glabra*] (Tower Mustard) At least 100 plants still present at Kingsley 7787 3776, but site is getting very overgrown again, Tony Mundell 1 Sep 2010. A new tarmac path has recently been constructed along the road edge here.

Utricularia australis (Bladderwort) At least 12 flower spikes at Eelmoor Flash 8425 5281 on the new scrape made late in 2009, Tony Mundell and Fred Rumsey 30 Jul 2010. (Unlike *U. minor*, Lesser Bladderwort, *U. australis* very rarely flowers).

Valerianella dentata (Narrow-fruited Cornsalad) S of Freefolk Wood 503439, abundant in a c.20m x 1m stretch of the headland, Gareth Knass 19 Jul 2010.

Verbascum chaixii (Nettle-leaved Mullein) Numerous very large plants at Barton Stacey 4349 4058, 4348 4057 and 4348 4060, rather like giant versions of *V. nigrum* (which also grows in the same disused field) Tony Mundell 28 Jul 2010, where first found recently by John Moon.

Verbascum phlomoides (Orange Mullein) Seven plants in a group on field margin at Chilbolton, 40407382, Barry and Jane Goater 6 Sep 2010, confirmed Martin Rand.

Yucca gloriosa (Spanish-dagger) Single plant rather hidden at Woolmer Forest 79298 33958 in pine woods, Tony Mundell 4 Nov 2010, but evidently surviving from garden rubbish dumped many years ago.

Compiled 29 Nov 2010,

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

Many thanks to everyone who has contributed to this edition of Flora News.

For comments, articles, or to join the Flora Group please contact:

Catherine Chatters
Flora Group Secretary
Ivy Cottage
Ashurst Bridge Road
Totton
Southampton
SO40 7EA
Tel: 023 8086 3920
Website: www.hwt.org.uk

If you would like to become a member of Hampshire and Isle of Wight Wildlife Trust, please contact our membership team on 01489 774400 or visit our website for further details: www.hwt.org.uk

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Flora Group member Geoffrey Field tackling the invasion of Himalayan balsam in the New Forest in June 2010



Himalayan balsam – a non-native plant invading watercourses in Hampshire and on the Isle of Wight

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